

# 45th ANNIVERSARY MEETING

EAST MEETS WEST



APA  
AMERICAN PANCREATIC  
ASSOCIATION

JAPAN  
PANCREAS  
SOCIETY



NOVEMBER 5-8, 2014  
HAPUNA BEACH PRINCE HOTEL  
BIG ISLAND OF HAWAII

# SUPPORTERS

The American Pancreatic Association would like to extend a special thank you to the following organizations for their support of this meeting through educational grants:

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*Advancing Early Detection of Pancreatic Cancer to Improve Survival.*

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*Please visit our exhibitors' booths in the Hapuna Ballroom Foyer.*



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AMERICAN PANCREATIC  
ASSOCIATION

Discover. Share. Conquer.

## AMERICAN PANCREATIC ASSOCIATION

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### Governing Board

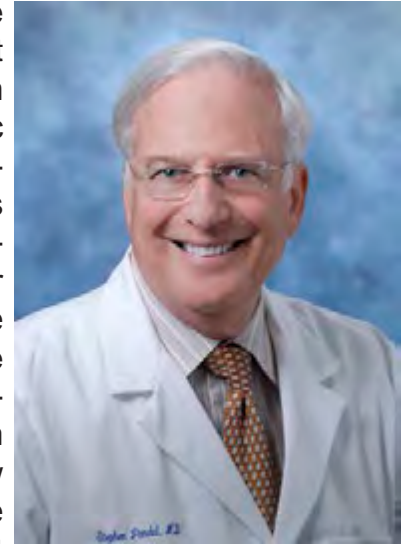
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# MESSAGE FROM THE PRESIDENTS

## WELCOME TO HAWAII!

On behalf of the Boards of both the Japanese Pancreatic Society and the American Pancreatic Association, we are delighted to have you present at the 45th anniversary of both of our societies. The meeting is overflowing with symposia, featured speakers and outstanding presentations of new scientific findings that represent the best in our field. We have two bonus symposia addressing critical areas in our field. One is focused on challenges and directions in acute pancreatitis management; the other is a collaboration with the Kenner Family Research Fund on a Summit Conference to develop strategies for advancing the field in early detection of sporadic pancreatic cancer. We are committed to using these symposia to accelerate important advances in the treatment of patients with these disorders. In addition, the Hirshberg Foundation has continued to support outstanding symposia on important fields in pancreatic cancer research. This year's symposium addresses important new findings in cancer immunology and the tumor microenvironment. Also, at the close of the meeting, we are co-hosting an event with the UCLA Department of Surgery, in honor of Dr. Howard Reber's retirement. Dr. Reber has been a towering figure in the pancreas world and this is a time to celebrate his accomplishments. US, Japan and internationally. So, make sure to plan to come Tuesday, November 4, if you are planning to attend either pre-meeting &/or stay through Sunday to attend Dr. Reber's event.



We were amazed at the attention this meeting has received. We have over 600 participants and we have over 400 presentations both oral and poster from individuals from 23 countries. We are enormously indebted to those who were integrally involved in organizing symposia and speakers at the symposia and featured talks throughout the meeting. We are so thankful for their enthusiasm. We also are so thankful to Erin Brudvik and Ashok Saluja for their tireless effort making all the parts of the meeting happen and come together seamlessly.



Stephen Pandol, MD  
President, American Pancreatic Association  
Director, Basic and Translational Pancreas Research  
Gastroenterology and Cancer Biology  
Department of Medicine & Biomedical Sciences  
Cedars-Sinai Medical Center

Tooru Shimosegawa, MD, PhD  
President, Japan Pancreas Society  
Professor, Department of Gastroenterology  
Tohoku University Graduate School of Medicine

# MEETING AT A GLANCE

## WEDNESDAY, NOVEMBER 5

8:00 am - 4:30 pm	Pre-Meeting: Acute Pancreatitis Progress & Challenges
8:00 am - 4:30 pm	APA/KFRF Symposium: Early Detection of Sporadic Pancreatic Cancer Summit Conference
5:30 pm - 7:00 pm	Hirshberg Opening Symposium: Tumor Microenvironment & Immunotherapy in Pancreatic Cancer
7:00 pm - 9:00 pm	Presidential Reception

## THURSDAY, NOVEMBER 6

7:00 am - 8:00 am	Poster of Distinction Highlights
8:00 am - 9:30 am	Abstract Session: Pancreatic Cancer
9:30 am - 10:00 am	Mini-Symposium: IPMN Special Session
10:15 am - 11:30 am	Mini-Symposium: Molecular pathophysiology of pancreatic duct cells & pancreatitis
11:30 am - 12:00 pm	Frank Brooks State of the Art Lecture: Anil Rustgi, MD
12:00 pm - 2:00 pm	Lunch & Poster Session
2:00 pm - 3:15 pm	Abstract Session: Pancreatitis
3:15 pm - 4:15 pm	Mini-Symposium: The Whipple procedure at age 80: Where are we & where are we going?
4:30 pm - 6:00 pm	Mini-Symposium: Pancreatitis: Conversion of local disease to systemic
7:00 pm - 10:00 pm	Awards Dinner

## FRIDAY, NOVEMBER 7

7:00 am - 8:00 am	Poster of Distinction Highlights
8:00 am - 9:00 am	APA/KFRF: innovations in Early Detection of Sporadic Pancreatic Cancer
9:00 am - 10:25 am	Abstract Session: Pancreatitis
10:40 am - 11:30 am	Mini-Symposium: Pancreas Exocrine Insufficiency Update and Case Presentations
11:30 am - 12:00 pm	Paul Webster Clinical State of the Art Lecture: Andrew Warshaw, MD
12:00 pm - 2:00 pm	Lunch & Poster Session
2:00 pm - 2:30 pm	APA Business Meeting
2:30 pm - 3:55 pm	Mini-Symposium: Innovation in Pancreatic Cancer Treatment
4:10 pm - 5:10 pm	Parallel Sessions: Clinical Controversy: Challenges to Diagnosing Early-stage Chronic Pancreatitis - Therapeutic Implications & Basic Science Controversy: Stroma in Pancreatic Cancer: Friend or Foe?
5:10 pm - 6:30 pm	Parallel Sessions: Basic Science Abstracts & Clinical Science Abstracts
6:30 pm - 8:00 pm	Women In Pancreas Reception & Dinner

## SATURDAY, NOVEMBER 8

7:00 am - 8:00 am	Poster of Distinction Highlights
8:00 am - 10:00 am	Abstract Session: Pancreatic Cancer
10:15 am - 11:30 am	Mini-Symposium: Pancreatic Neuroendocrine Tumors
11:30 am - 12:00 pm	Tadashi Takeuchi State of the Art Lecture: Kazuichi Okazaki, MD
12:00 pm - 2:00 pm	Lunch & Poster Session
3:00 pm - 5:00 pm	Reber Scientific Session
7:00 pm - 9:00 pm	Reber Retirement Dinner



# MEETING INFORMATION

## ONSITE REGISTRATION HOURS

Location: Hapuna Ballroom Foyer

Wednesday, 11/5: 7:00 AM - 7:00 PM  
Thursday, 11/6: 7:00 AM - 6:00 PM  
Friday, 11/7: 7:00 AM - 6:30 PM  
Saturday, 11/8: 7:00 AM - 12:30 PM

## ABSTRACT SELECTION COMMITTEE

The APA & JPS Boards wish to thank the following for reviewing the over 400 abstracts received:

Sulagna Banerjee	Karen Horvath	Masaki Ohmuraya	Vikesh Singh
Howard Crawford	Sohail Husain	Hirohide Ohnishi	Kyoichi Takaori
Carlos Fernandez-del Castillo	Shuji Isaji	Kazuichi Okazaki	Yoshifumi Takeyama
Toru Furukawa	Kim Kelly	Marina Pasca di Magliano	Aliye Uc
Junji Furuse	Myung-Hwan Kim	Nagi Reddy	Huaizhi Wang
Pramod Garg	Min Li	Miklos Sahin-Toth	Andrea Wang-Gilliam
Guy Groblewski	Anirban Maitra	Veena Sangwan	Bechien Wu
Anna Gukovskaya	Atsushi Masamune	Kyoko Shimizu	Koji Yamaguchi
Aida Habtezion	Julia Mayerle	Diane Simeone	Hiroki Yamaue
Peter Hegyi	Nipun Merchant	Vijay Singh	Nick Zyromski
Joe Hines			

## SOCIAL EVENTS

### PRESIDENTIAL RECEPTION

Wednesday, November 5

7:00 – 9:00pm Poolside

The Presidential Reception is held in honor of APA President Stephen Pandol and JPS President Toru Shimosegawa. Catch up with friends and colleagues while taking advantage of the Hawaiian weather and enjoying local entertainment.

### AWARDS DINNER

Thursday, November 6

7:00 – 8:00pm Reception - Courtyard

8:00 – 10:00pm Dinner & Awards - Hapuna Ballroom

During the dinner, awards will be given for the top abstracts in Pancreatitis and Pancreatic Cancer. Additionally, those receiving young investigator travel awards will be acknowledged. The Distinguished Service Award and the Vay Liang & Frisca Go Award for Lifetime Achievement will both be presented.

### WOMEN IN PANCREAS RECEPTION AND DINNER

Friday, November 7

6:30 – 7:00pm Reception

7:00 – 9:00pm Dinner & Speaker

All women are invited to attend this event. RSVPs are required; please check in with the registration desk if you have not RSVPed. Janet Bickel, MA, a Leadership and Career Development Coach will give a presentation followed by an interactive question and answer period. This event is co-chaired by Diane Simeone, Aida Habtezion, and Kim Kelly.

### 35 YEARS OF PANCREATIC RESEARCH – A REVIEW AND WAY FORWARD

#### RETIREMENT CELEBRATION FOR HOWARD REBER

Saturday, November 8

3:00 - 5:00pm Scientific Session (Hapuna Ballroom - Mauka)

7:00 - 10:00pm Reception & Dinner (Hapuna Ballroom - Makai)

Dr. Reber will be retiring this year. During the Scientific Session, several of Dr. Reber's past fellows and other colleagues will present on his research, career and impact. Presenters include: Robin Lightwood, Nariman Karanjia, Guidi Eibl, Keita Wada, Hui-Hua Chang, Michael Larvin. A dinner to celebrate his career is co-sponsored by UCLA Department of Surgery and the American Pancreatic Association. All are welcome. Please register prior to the meeting by emailing JRitch@med-net.ucla.edu or check in at the registration desk.

# PRE-MEETINGS/APA FOUNDATION

## ASSOCIATED MEETINGS

### PRE-MEETING SYMPOSIUM – ACUTE PANCREATITIS: PROGRESS & CHALLENGES

Wednesday, November 5  
Hapuna Ballroom

This meeting is being organized by Stephen Pandol (Cedars-Sinai, Los Angeles), Tooru Shimosegawa (Tohoku University Graduate School of Medicine, Sendai), Robert Sutton (University of Liverpool, Liverpool), Santhi Swaroop Vege (Mayo Clinic, Rochester) and Bechien Wu (Kaiser Permanente, Los Angeles). Topics to be addressed will include the current management issues, updates on promising treatments, development of teams & quality indicators and the international pancreatitis study group for development and implementation of clinical trials. A paper will be published in early 2014.

### EARLY DETECTION OF SPORADIC PANCREATIC CANCER SUMMIT CONFERENCE

Wednesday, November 5  
Lehua/Hau Conference Room

A strategic map for future innovation through interdisciplinary collaboration will be formulated as a result of a seminal summit conference on early detection of sporadic pancreatic cancer. Invited leading experts representing a variety of disciplines, research specialties, clinical practice arenas, and scientific fields will convene for the intensive forum on Wednesday, November 5th prior to the Joint 45th Anniversary Meeting of the American Pancreatic Association and Japan Pancreas Society.

Facilitated idea generation will be constructed upon pre-summit partnerships of four distinct collaborative groups representing: Case for Early Detection: Definitions, Detection, Challenges and Survival; Biomarkers for Early Detection; Imaging; and Collaborative Studies. Summit recommendations will be organized within the domains of research, protocol development, dissemination, translation, and collaborative interdisciplinary funding.

The summit results will be presented during a special symposium, Innovations in Early Detection of Sporadic Pancreatic Cancer, that will be open to the general APA/JPS audience on Friday, November 7th from 8 AM to 9 AM. Critical elements of this newly charted direction for the field will be subsequently published in a white paper and integrated across scientific disciplines in order to develop a consensus protocol for early detection of pancreatic cancer.

Kenner Family Research Fund (a fund of JCF, a registered 501(c)3 organization) is committed to investing in initiatives to establish an early detection protocol for pancreatic cancer. The fund was formed by family and friends of Peter Kenner, who died shortly after his diagnosis of neuroendocrine pancreatic cancer ([www.kennerfamilyresearchfund.org](http://www.kennerfamilyresearchfund.org)).

## APA FOUNDATION

The American Pancreatic Association Foundation was officially launched during the 44th Annual Meeting last November to provide charitable, educational, and research support for the American Pancreatic Association's initiatives and mission. It is incorporated in Minnesota with the official offices at 1020 Tyrol Trail, Golden Valley, MN 55416. The inaugural board of directors consists of Dr. Steve Pandol, Dr. Ashok Saluja, Dr. Ed Bradley, Dr. William Chey, Ms. Agi Hirshberg, Dr. Barbara Kenner, Dr. Howard Reber, Dr. Peter Banks, Dr. Andrew Warshaw, Dr. Paul Webster, Dr. Ed Purich, and Dr. Vay Liang Go as the Chair of the Board.

The future of our society and its mission as well as the development of the discipline of pancreatology is in our own hands, so please make a contribution today and add your name to the list of those who have already contributed.

Contributions received from November 2013 to September 2014:

\$20,000+	Vay Liang and Frisca Yan-Go	\$1,000+	Dan Longnecker
\$10,000+	Barbara Kenner		Diane Simeone
	Paul and Betty Webster		William Steinberg
\$5,000+	Ed Bradley		Andrew Warshaw
	Agi Hirshberg	\$500 & under	Dana Andersen
	Stephen Pandol		Laura Cosen de Binker
	Ashok Saluja		Carlos Fernandez-del Castillow
\$2,000+	Peter Banks		Jeffrey E Lee
	William Chey		

Please send your contributions to:  
American Pancreatic Association Foundation  
1020 Tyrol Trail  
Golden Valley, MN 55416



# AWARDS

## YOUNG INVESTIGATOR AWARD RECIPIENTS

Congratulations to the 2014 Young Investigator Award Winners: We received a record number of applications this year, so it was especially competitive.

Makoto Abue	Bryan J Holtz	Sandrina Maertin	Alexander P Stark
Jenifer Barrie	Wei Huang	Scott Messenger	Hsin-Yuan Su
Lisa A Brown	Naureen Javeed	Shrey Modi	Xiaotian Sun
Ana I Cases	Shunrong Ji	Hiroyuki Monma	Andras Szabo
Xiao-Bo Cheng	ShunQian Jin	Takashi Murakami	Yamato Tada
Zobeida Cruz-Monserrate	John George	Nagaraj Nagathihalli	Guru Trikudanathan
KoushikK Das	Marianne Johnstone	Akifumi Nakagawa	Viktória Venglovecz
Khadija El Jellas	Mee Joo Kang	Shigenori Ota	Zheng Wang
John George	Eriko Katsuta	Priya Pai	Moyuru Yamada
Arja Gerritsen	Tomoya Kawase	Irene Sangrador	Misa Yokoyama
Shin Hamada	Somashekar Krishna	Veena Sangwan	Guisheng Zhou

## DISTINGUISHED SERVICE AWARD

Stephen P. James, MD



Dr. Stephen James is the Director, Division of Digestive Diseases and Nutrition, National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK), National Institutes of Health (NIH) in Bethesda, Maryland. He graduated from Cornell University and then earned his M.D. degree at the Johns Hopkins University, where he completed subsequent residency training in Internal Medicine. This was followed by GI and hepatology fellowship training at the University of Maryland in Baltimore and in the Liver Unit, NIDDK.

At the NIH Dr. James conducted research directed at understanding the human immune system and its role in both liver and alimentary diseases as well as immunodeficiency diseases, with a particular focus on the effector and regulatory functions of T cells in pathophysiology. He then moved to the University of Maryland School of Medicine, in Baltimore, as Professor of Medicine and Head of the Division of Gastroenterology. His agenda there was diverse, including upgrading clinical services, initiating new research programs, developing new medical school curricula and revamping the GI fellowship program.

Dr. James returned to the NIH to the extramural Division of Digestive Diseases and Nutrition, where he has been Director for the last 10 years. The Division is responsible for providing grant support for scientists throughout the United States and the world who are engaged in basic, translational and clinical research in digestive diseases, nutrition and obesity. The program includes a diverse array of large and small grants, career development and fellowship awards, Digestive Diseases and Nutrition Centers, and multi-center clinical trials. The division organizes meetings and workshops aimed at identifying new research opportunities and barriers. Dr. James was the Chair of the National Commission on Digestive Diseases, which released a comprehensive plan for research needs and opportunities in 2009. The Division has developed multiple new programs based on emerging technologies in genetics, stem cell biology, the human microbiome, metabolomics, and high-throughput preclinical translation to name a few.

To promote NIDDK's broad research mission, Dr. James has developed many partnerships with professional and lay organizations as well as other agencies and Departments of the Federal government, including the FDA, CDC and USDA. He has been a long-standing scientific advisor to many organizations including the Crohn's and Colitis Foundation of America, the Crohn's and Colitis Foundation of Canada, the Broad Medical Research Program, the American Gastroenterological Association, the National Association for Pediatric Gastroenterology, Hepatology and Nutrition, and the American Association for the Study of Liver Diseases. Dr. James currently is a member of the Advisory Board of the Institute for Nutrition, Metabolism and Diabetes of the Canadian Institutes for Health Research.

Along with many leaders of the scientific community, he has worked to accelerate and expand research in pancreatic diseases. The NIDDK has recently sponsored individual research workshops on pancreatitis, on pancreatic cancer and diabetes, and this year, total pancreatectomy and auto-islet cell transplantation.

Dr. James is the author of over 200 scientific publications, books, book chapters, editorials and commentaries, reviews, and educational courses. He is the recipient of a number of commendations, including the PHS Commendation Medal, the NIH director's Award, and the AGA Research Service Award.

*Complete biographies for all awardees can be found in the November edition of Pancreas.*



## VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT

### William Chey, MD

Dr. William Y. Chey received his MD from Seoul National University, College of Medicine before serving in the Republic of Korea Army as a medical officer in the Korean War. After the war, he immigrated to the US in 1954 and received postgraduate training in internal medicine and pathology at New York City Hospital, Mount Sinai Hospital and University of Pennsylvania Graduate School of Medicine Affiliated Hospitals. He completed a fellowship in Gastroenterology and Hepatology at Medical University of New Jersey and Temple University Health Sciences Center.

Dr. Chey has made a number of seminal observations relevant to exocrine pancreatic physiology. His team defined the importance of secretin as a circulating hormone and was the first to prove its critical role in pancreatic secretion of water and bicarbonate. In highly quoted papers published in JCI, AJP, Gastroenterology, and Pancreas, Dr. Chey's team was the first to report on secretin-releasing peptide. His group has also made key observations regarding the neuro-hormonal regulation of exocrine pancreatic function by CCK, pancreatic polypeptide, and PYY. In manuscripts published in Annals of Internal Medicine, Gastroenterology, and Annals of Surgery, his group was also the first to report the existence of a gastric acid hypersecretory syndrome resulting from a non-gastrin peptide.

Dr. Chey has devoted considerable effort to teaching as well as serving as a role model and mentor to generations of gastroenterologists. More than 100 physicians and scientists from the US, Asia, Africa and Europe received their internal medicine and/or gastroenterology training from Dr. Chey. Many of these individuals hold leadership positions in their respective countries, including Department Chairs, Deans, Journal Editors, and Medical Center CEOs. He has served as a visiting professor and an invited speaker/lecturer at numerous national and international scientific meetings.

He has served as a regular member of National Institute of Health, Surgery and Bioengineering Study Section, and a member, Food and Drug Administration, Gastrointestinal Drugs Advisory Committee of US Government. He is an Emeritus professor at Catholic University, College of Medicine in Seoul, Korea and visiting professor at Chinese Academy of Medical Science, Peking Union Medical College, Beijing and Shanghai Medical University, Shanghai, China, and Yon-Sei University, College of Medicine, Seoul, Korea University College of Medicine, Seoul and Hallym University, College of Medicine, Choonchun, Korea. He had the honor of serving as President of the American Pancreatic Association in 1999.

After completing his tour of duty at the University of Rochester in 2000, Dr. Chey established the Rochester Institute for Digestive Diseases and Sciences, a private institute that combined cutting edge clinical science with the art of medicine to provide extraordinary clinical care to patients with gastrointestinal and liver diseases. At the age of 82, Dr. Chey retired in 2012. He is now enjoying retirement with his wife Fan, 4 children, and 9 grandchildren in Rochester, NY.



## VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT

### Ashok K. Saluja, PhD

Dr. Ashok Saluja obtained his B.Sc. and M.Sc. in Punjab, India before moving to the US where he obtained his doctoral degree in Biochemistry from Washington State University and completed his post doc at Cornell. He then spent twenty years at Harvard, after which he joined University of Massachusetts Medical School. In 2006, Dr. Saluja joined the faculty of the Department of Surgery at the University of Minnesota Medical School as Professor and Vice Chair. He also holds the Sit Family Chair in Pancreatic and GI Cancer Research as well as a University of Minnesota McKnight Presidential Endowed Chair.

Dr. Saluja's research focuses on understanding the physiology of the pancreas and the pathophysiology of pancreatic diseases. He is internationally renowned for his work on the pathogenesis of pancreatitis. His group has shown that pancreatic tumors overexpress Heat Shock Protein 70 and its inhibition causes death of these cells not only in *in vitro* settings but also in mouse models of pancreatic cancer. Dr. Saluja's group has been successful in developing a small molecule which they have named Minnelide. This compound is very efficacious in several models of pancreatic cancer. This novel drug entered Phase I clinical trials in Fall 2013. In other studies, Dr. Saluja is evaluating novel strategies in combination with Minnelide to treat otherwise non-responsive and very aggressive pancreatic tumors.

Dr. Saluja has published more than 120 original research papers along with several review articles and book chapters. His research has been funded by the NIH and several biotechnology companies in addition to philanthropic support. Additionally, he is an inventor on two patents. He is one of the largest NIH funded investigator at the U of MN. He also is CSO and co-founder of a start-up biotechnology company. He has served on numerous NIH panels and the editorial boards of several scientific journals. Dr. Saluja is the past president of American Pancreatic Association and International Association of Pancreatology. He is currently Secretary-Treasurer of American Pancreatic Association.

Dr. Saluja would like to thank APA for honoring him with the Go Lifetime Achievement Award. He would also like to express his gratitude to all the hardworking scientists in his lab, both past and present, who work tirelessly researching the pancreas and its diseases. Of course, none of this would be possible without the consistent and never failing support of his wife (Manju), his two sons (Varun and Anuj), and daughter-in-law. He would like to dedicate this award to the individuals who are suffering and have suffered from pancreatic cancer and their families. It is for them that we strive daily to find a cure for this terrible disease.



# ACCREDITATION

## LEARNING OBJECTIVES

At the end of this activity, participants will be able to:

1. Create collaborative opportunities between clinicians and basic scientists interested in diseases of the pancreas.
2. Understand the advances in pancreatic cancer treatment including advances in radiotherapy, chemotherapy, genetic profiling and surgical treatments.
3. Explain advances in the diagnosis and treatment of patients with pancreatic diseases, including: Pancreatic Neuroendocrine Tumors, IPMN and Autoimmune Pancreatitis.
4. Recognize the bench to bedside applications of basic science research such as the conversion of local disease to systemic in pancreatitis, molecular pathophysiology of pancreatic duct cells and pancreatitis, the tumor microenvironment and immunotherapy in pancreatic cancer.
5. Discuss the latest research on early detection and biomarkers in pancreatic cancer.
6. Discuss the most up-to-date research results in pancreatic diseases and their key role in defining future therapies in pancreatic diseases.
7. Discuss the current standards and best practices for the use of the Whipple procedure.
8. Identify the current and evolving diagnosis and therapeutic implications for patients with Early Stage Chronic Pancreatitis.

## Acute Pancreatitis Pre-Meeting

1. Learn current management practices and reasons of variation between countries
2. Discuss promising treatments and importance of rapid initiation
3. Understand the need for development of quality indicators and how that can be tested in clinical trials
4. Identify how to become involved in study groups for development of new treatments & testing of quality indicators

## ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American College of Surgeons and the American Pancreatic Association. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

## AMA PRA CATEGORY 1 CREDITS™

The American College of Surgeons designates this live activity for a maximum of 27.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*\*20.5 credits for the Annual Meeting; 7 credits for the Pre-Meeting Symposium on Acute Pancreatitis*

## DISCLOSURE INFORMATION

In compliance with ACCME Accreditation Criteria, the American College of Surgeons, as the accredited provider of this activity, must ensure that anyone in a position to control the content of the educational activity has disclosed all relevant financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation. Please see the insert to this program for the complete disclosure list.



American College of Surgeons  
Division of Education

All oral sessions (excluding the POD Highlights) are accredited. To claim your credits, please turn in your evaluation form to the registration desk.

## Acute Pancreatitis: Progress & Challenges

### COURSE DIRECTORS:

Stephen Pandol, MD - Cedars-Sinai  
Tooru Shimosegawa, MD, PhD - Tohoku University  
Robert Sutton, MD - University of Liverpool  
Santhi Swaroop Vege, MD - Mayo Clinic  
Bechien Wu, MD - Kaiser-Permanente

7:00 - 8:15 AM     **REGISTRATION** - HAPUNA BALLROOM FOYER  
**BREAKFAST** - COURTYARD

8:15 - 8:30 AM     **COURSE OVERVIEW**  
Steven Pandol, MD, Cedars-Sinai Medical Center

8:30 - 10:00 AM     **CURRENT MANAGEMENT ISSUES**  
Moderators: Tooru Shimosegawa, MD, PhD - Tohoku University  
Stephen Pandol, MD - Cedars-Sinai Medical Center  
Jose Serrano, MD, PhD - National Institutes of Health

**Introduction** - Tooru Shimosegawa, MD, PhD - Tohoku University

**Where We Are and Where We Need To Go in Treatment of Acute Pancreatitis**  
Fred Gorelick, MD - Yale University

**Clinical Practice of Application of Treatment Including the Issues of Rapid Deployment of Treatment and How This Is Done**  
Morihsa Hirota, MD, PhD - Tohoku University

**Consideration of Prevention and Treatment of Multiorgan Failure in Acute Severe Pancreatitis**  
John Windsor, MD - University of Auckland

### Panel Discussion

Leader: Stephen Pandol

Discussants: Morihsa Hirota, Fred Gorelick, Jose Serrano, Tooru Shimosegawa, and John Windsor

10:00 - 10:15 AM     **BREAK** - HAPUNA BALLROOM FOYER

# PRE-MEETING SYMPOSIUM

10:15 - 12:00 PM

## **UPDATE ON PROMISING TREATMENTS**

Moderators: Michael Dunn, MBA - CalciMedica  
Simon Lo, MD - Cedars-Sinai Medical Center  
Vijay Singh, MD - Mayo Clinic

**Introduction** - Simon Lo, MD - Cedars-Sinai Medical Center

### **Prevention of Post-ERCP Pancreatitis**

Martin Freeman, MD - University of Minnesota

### **Importance of Fluid Resuscitation in Acute Pancreatitis and Methods to Prevent ERCP Induced Pancreatitis**

Markus Lerch, MD - University of Greifswald

### **The Use and Importance of Intra-arterial Protease Inhibitor Treatment**

Yoshihisa Tsuji, MD, PhD - Kyoto University

### **Key Issues in Treatment Trial Design and Execution**

Santhi Swaroop Vege, MD - Mayo Clinic

### **Panel Discussion**

Leader: Vijay Singh

Discussants: Michael Dunn, Martin Freeman, Markus Lerch, Simon Lo, Yoshihisa Tsuji and Santhi Swaroop Vege

12:00 - 1:00 PM

**LUNCH** - COURTYARD

1:00 - 2:30 PM

## **DEVELOPMENT OF TEAMS AND QUALITY INDICATORS**

Moderators: James Buxbaum, MD - University of Southern California  
Timothy Gardner, MD - Dartmouth-Hitchcock  
David Whitcomb, MD, PhD - University of Pittsburgh

**Introduction** - Timothy Gardner, MD - Dartmouth-Hitchcock

### **Report of National Data on Clinical Performance in Acute Pancreatitis**

Tooru Shimosegawa, MD, PhD - Tohoku University

### **Development of Quality Indicators in Inflammatory Bowel Disease**

Gil Melmed, MD, MS - Cedars-Sinai Medical Center

### **Quality Indicator Development for Acute Pancreatitis**

Wahid Wassef, MD, MPH - University of Massachusetts

### **Panel Discussion**

Leader: James Buxbaum

Discussants: Timothy Gardner, Gil Melmed, Tooru Shimosegawa, Wahid Wassef and David Whitcomb

2:30 - 4:15 PM

## INTERNATIONAL PANCREATITIS STUDY GROUP

Moderators: Yoshifumi Takeyama, MD, PhD - Kinki University  
Hjalmar van Santvoort, MD, PhD - Academic Medical Center, Amsterdam

**Introduction** - Hjalmar van Santvoort, MD, PhD - Academic Medical Center, Amsterdam

### Goals of International Pancreatitis Study Group

Robert Sutton, MD - University of Liverpool

### 2012 IAP/APA Guidelines for the Management of Acute Pancreatitis – Next Steps?

Julia Mayerle, MD - University of Greifswald

### Consideration of Potential Targets for Treatment

Stephen Pandol, MD - Cedars-Sinai Medical Center

### Unique Study Designs Needed for Acute Pancreatitis

Bechien Wu, MD, MPH - Kaiser Permanente

### Panel Discussion

Leader: Yoshifumi Takeyama

Discussants: Julia Mayerle, Stephen Pandol, Robert Sutton, Hjalmar van Santvoort and Bechien Wu

4:15 - 4:30 PM

## FUTURE GOALS AND DIRECTORS

### A look to the Future: What I Expect Treatment will be in 2025

Carlos Fernandez-del Castillo, MD - Massachusetts General Hospital

### Wrap Up

Stephen Pandol, MD - Cedars-Sinai Medical Center

*End of Pre-Meeting Symposium*



Photo: Hawaii Tourism Authority (HTA) / Tor Johnson

# SCIENTIFIC PROGRAM - WEDNESDAY/THURSDAY

## 45<sup>th</sup> Anniversary Meeting of the American Pancreatic Association & Japan Pancreas Society November 5-8

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### WEDNESDAY, NOVEMBER 5

5:30 - 7:00 PM

**HIRSHBERG OPENING SYMPOSIUM  
TUMOR MICROENVIRONMENT & IMMUNOTHERAPY IN PANCREATIC CANCER  
HAPUNA BALLROOM**

Moderators: Stephen Pandol, MD & Tooru Shimosegawa, MD, PhD

**An Overview of Immunotherapeutic Approaches in Pancreatic Cancer**

Elizabeth Jaffee, MD - Johns Hopkins, USA

**WT1 Cancer Vaccine in Pancreatic Cancer**

Haruo Sugiyama, MD, PhD - Osaka University Graduate School of Medicine, Japan

**Management of Familial Pancreatic Cancer**

Teresa Brentnall, MD - University of Washington, USA

7:00 - 9:00 PM

**PRESIDENTIAL RECEPTION - POOLSIDE**

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### THURSDAY, NOVEMBER 6

7:00 AM - 6:00 PM

**REGISTRATION - HAPUNA BALLROOM FOYER**

6:30 - 8:00 AM

**BREAKFAST - COURTYARD**

**POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS**

7:00 - 8:00 AM

**POSTER OF DISTINCTION HIGHLIGHTS  
HAPUNA BALLROOM**

Moderators: Vikas Dudeja, MD & Matt DiMagno, MD

Please see pages 26 & 27 for a listing of the Posters of Distinction, each of whom will give a 3 minute presentation.



# SCIENTIFIC PROGRAM - THURSDAY

8:00 - 9:30 AM

## SCIENTIFIC SESSION 1: PANCREATIC CANCER HAPUNA BALLROOM

Moderators: Howard Crawford, PhD & Kim Kelly, PhD

**CD133 Drives Invasion Through IL-1 Mediated NF- $\kappa$ B Activation.** A. Nomura, R.Chugh, V.Dudeja, O.McGinn, A.K. Saluja, S. Banerjee. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

**Proposal of a Refined Histopathologic Staging for Resectable Pancreatic Adenocarcinoma.** O. Strobel, T. Hank, U. Hinz, L. Schneider, S. Fritz, F. Bergmann, M. Büchler, T. Hackert. Dept. of General Surgery, University Hospital Heidelberg, Heidelberg, Germany.

**Optical Method for Real-Time Diagnosis of Pancreatic Cancer.** J.M. Scheiman<sup>1</sup>, R.H. Wilson<sup>2</sup>, M. Chandra<sup>2</sup>, D. Simeone<sup>3</sup>, B. McKenna<sup>4</sup>, J.M.G. Taylor<sup>5</sup>, O.E. Lee<sup>5</sup>, W.R. Lloyd<sup>2</sup>, S.Y. Lee<sup>2</sup>, and M.-A. Mycek<sup>2</sup>. <sup>1</sup>Dept. of Internal Medicine, Div. of Gastroenterology; <sup>2</sup>Dept. of Biomedical Engineering; <sup>3</sup>Dept. of Surgery; <sup>4</sup>Dept. of Pathology; <sup>5</sup>Dept. of Biostatistics; Univ. of Michigan, Ann Arbor, MI.

**A Prospective Randomized Comparison Between Pylorus- and Subtotal Stomach-Preserving Pancreato-duodenectomy on Postoperative Delayed Gastric Emptying Occurrence and Long-Term Nutritional Status.** I. Matsumoto<sup>1,2</sup>, M. Shinzeki<sup>2</sup>, H. Toyama<sup>2</sup>, S. Asari<sup>2</sup>, T. Goto<sup>2</sup>, S. Shirakawa<sup>2</sup>, T. Ajiki<sup>2</sup>, T. Fukumoto<sup>2</sup>, Y. Ku<sup>2</sup>. <sup>1</sup>Department of Surgery, Kinki University Faculty of Medicine, Osaka, Japan; <sup>2</sup>Division of Hepato-Biliary-Pancreatic Surgery, Department of Surgery, Kobe University Graduate School of Medicine.

**Exosomal Adrenomedullin Causes Paraneoplastic  $\beta$ -cell Dysfunction in Pancreatic Cancer.** N. Javeed<sup>1</sup>, G. Sagar<sup>1</sup>, S.K. Dutta<sup>1</sup>, T.C. Smyrk<sup>2</sup>, J.S. Lau<sup>1</sup>, S. Bhattacharya<sup>1</sup>, M. Truty<sup>5</sup>, G.M. Petersen<sup>3</sup>, S.T. Chari<sup>4</sup>, D. Mukhopadhyay<sup>1</sup>. <sup>1</sup>Department of Biochemistry and Molecular Biology, Mayo Clinic, Rochester, MN; <sup>2</sup>Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN; <sup>3</sup>Department of Health Sciences Research, Mayo Clinic, Rochester, MN; <sup>4</sup>Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN; <sup>5</sup>Department of Surgery, Mayo Clinic, Rochester, MN.

**The Glasgow prognostic score in resectable pancreatic cancer is a valuable predictor for long term survival and prognosis: results of a retrospective single-center experience.** ES Jun, SC Kim, KB Song, JH Lee, DW Hwang, DJ Lee, JW Lee, SH Shin, HE Kim, K-M Park, Y-J Lee. Division of Hepatobiliary and Pancreatic Surgery, Department of Surgery, Ulsan University College of Medicine and Asan Medical Center, Seoul, Republic of Korea.

**Anti-TGF-beta Antibody Inhibits Regulatory T Cell Pathway And Induces Anti-tumor Effector T Cell Response In a Vaccine-Dependent Manner.** KC Soares<sup>1,2</sup>, AA Rucki<sup>1</sup>, Q Xiao<sup>1</sup>, A Wu<sup>1,2</sup>, E Lutz<sup>1</sup>, BH Edil<sup>1,2</sup>, RD Schulick<sup>1,2</sup>, CL Wolfgang<sup>1,2</sup>, EM Jaffee<sup>1,2</sup>, L Zheng<sup>1,2</sup>. Departments of <sup>1</sup>Oncology and <sup>2</sup>Surgery, Johns Hopkins University School of Medicine, Baltimore, MD.

9:30 - 10:00 AM

## IPMN SPECIAL SESSION HAPUNA BALLROOM

Moderators: Diane Simeone, MD & Kenji Yamao, MD, PhD

**Perspectives of the International Consensus Guidelines**  
Masao Tanaka, MD, PhD - Kyushu University, Japan

**A Cut-off of 2 cm Or Less Instead of 3 cm Would Detect More Malignant BD IPMNs, Opposite the Sendai Criteria**  
O. Joe Hines, MD - UCLA, USA

10:00 - 10:15 AM

**BREAK** - HAPUNA BALLROOM FOYER



# SCIENTIFIC PROGRAM - THURSDAY

10:15 - 11:30 AM **MOLECULAR PATHOPHYSIOLOGY OF PANCREATIC DUCT CELLS & PANCREATITIS**  
**HAPUNA BALLROOM**

Moderators: Guy Groblewski, PhD & Sohail Husain, MD

**Intracellular Cl<sup>-</sup> as a Regulator of Pancreatic Duct HCO<sub>3</sub><sup>-</sup> Secretion**

Shmuel Muallem, PhD - National Institutes of Health, USA

**Functional Coupling of Apical H<sup>+</sup>/HCO<sub>3</sub><sup>-</sup> Transporters and CFTR in Pancreatic Duct Cells**

Hiroshi Ishiguro, MD, PhD - Nagoya University, Japan

**Pathophysiology of Ductal Functions in Pancreatitis (alcohol, bile, trypsin, smoking)**

Peter Hegyi, MD, PhD - University of Szeged, Hungary

**Bicarbonate Permeability of CFTR and Pancreatitis**

Min Goo Lee, MD, PhD - Yonsei University, South Korea

11:30 - 12:00 PM **FRANK BROOKS STATE OF THE ART LECTURE**  
**HAPUNA BALLROOM**

Introduction: Stephen Pandol, MD

**A New Perspective on IPMN, PanIN and PDAC Pathogenesis**

Anil Rustgi, MD - University of Pennsylvania, USA

12:00 - 2:00 PM **LUNCH - COURTYARD**

**POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS**

2:00 - 3:15 PM **SCIENTIFIC SESSION 2: PANCREATITIS**  
**HAPUNA BALLROOM**

Moderators: Aida Habtezion, MD & Naohiro Sata, MD, PhD

**Keynote: Pancreatitis is a Genetic Disease**

Miklos Sahin-Toth, MD, PhD, Boston University

**The Impact of Diabetes Mellitus on Clinical Outcome of Acute Pancreatitis in Japan.** K. Kikuta, A. Masamune, S. Hamada, T. Shimosegawa, and Research Committee of Intractable Diseases of the Pancreas. Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan

**Upregulation of Atg4B Mediates Inhibition of Pancreatic Autophagy by Ethanol.** GE Lee,<sup>1,2</sup> J Ni,<sup>1</sup> SW French,<sup>2</sup> AS Gukovskaya,<sup>1,2</sup> I Gukovsky,<sup>1,2</sup> OA Mareninova,<sup>1,2</sup> <sup>1</sup>VAGLAHS and University of California at Los Angeles; <sup>2</sup>Southern California Research Center for ALPD and Cirrhosis, Los Angeles, CA.

**The Diagnosis of Chronic Pancreatitis: A Systematic Review and Meta-analysis.** M. Johnstone<sup>1</sup>, R. Jackson<sup>2</sup>, T. Hanna<sup>1</sup>, J. Nicholson<sup>1</sup>, J.P. Neoptolemos<sup>1</sup>, W. Greenhalf<sup>1</sup>, R. Sutton.<sup>1</sup> <sup>1</sup>Liverpool NIHR Pancreas Biomedical Research Unit, Royal Liverpool and Broadgreen University Hospital Trust; <sup>2</sup>Liverpool Cancer Trials Unit, Cancer Research UK Centre, Liverpool, UK.

**Targeting Macrophage IL-4R $\alpha$  Signaling: a Novel Immune Therapy for Chronic Pancreatitis.** J. Xue<sup>1</sup>, V. Sharma<sup>1</sup>, R. Murali<sup>2</sup>, S.J. Pandol<sup>2</sup>, A. Habtezion<sup>1</sup>. <sup>1</sup>Department of Medicine, Stanford University School of Medicine, Stanford, CA; <sup>2</sup>Cedars-Sinai Medical Center, Los Angeles CA.

**Predicting Success of Catheter Drainage in Infected Necrotizing Pancreatitis.** RA Hollemans, TL Bollen, S van Brunschot, OJ Bakker, U Ahmed Ali, H van Goor, MA Boermeester, HG Gooszen, MG Besselink and HC van Santvoort for the Dutch Pancreatitis Study Group.



# SCIENTIFIC PROGRAM - THURSDAY

3:15 - 4:15 PM

## **THE WHIPPLE PROCEDURE AT AGE 80: WHERE ARE WE & WHERE ARE WE GOING?** **HAPUNA BALLROOM**

Moderators: Carlos Fernandez-del Castillo, MD & Nipun Merchant, MD

### **Introduction**

Carlos Fernandez-del Castillo, MD - Massachusetts General Hospital, USA

### **Standards for Pancreatoduodenectomy in the XXI Century**

Christopher Wolfgang, MD, PhD - Johns Hopkins, USA

### **Artery-first Pancreatoduodenectomy: Japanese Contributions Over the 45 Years**

Kyoichi Takaori, MD, PhD - Kyoto University, Japan

### **Will Laparoscopic and Robotic Approaches Replace Open Surgery in PD?**

Jennifer F Tseng, MD, MPH - Beth Israel Deaconess Medical Center, Harvard Medical School, USA

### **Can We Reduce Complications Following Pancreatoduodenectomy? The Mesenteric Approach and Clinical Trials**

Hiroki Yamaue, MD, PhD - Wakayama Medical University, Japan

4:15 - 4:30 PM

**BREAK** - HAPUNA BALLROOM FOYER

4:30 - 6:00 PM

## **PANCREATITIS: CONVERSION OF LOCAL DISEASE TO SYSTEMIC** **HAPUNA BALLROOM**

Moderators: Markus Lerch, MD & Craig Logsdon, PhD

PART 1: CLINICAL DETERMINANTS OF OUTCOME IN ACUTE PANCREATITIS

### **SIRS, Organ Failure and Mortality of Acute Pancreatitis**

Toshihiko Mayumi, MD, PhD - University of Occupational and Environmental Health, Japan

### **Lipotoxic Switching from Mild to Severe Acute Pancreatitis**

Vijay Singh, MD - Mayo Clinic Arizona, USA

### **Can We Improve Outcomes? A Peak Into the Future**

Hjalmar van Santvoort, MD, PhD - AMC Amsterdam, Netherlands

PART 2: PANCREATITIS A MULTI-PHASE DISEASE – WHAT WE GAINED FROM ANIMAL MODELS

### **Is Local Damage Predicting Severity?**

Ashok K. Saluja, PhD - University of Minnesota, USA

### **Serine Protease Inhibitor Kazal (SPINK) Insufficiency Causes Impaired Autophagy and Chronic Pancreatitis**

Masaki Ohmuraya, MD, PhD - Kumamoto University, Japan

### **Can We Influence the Immune Response?**

Julia Mayerle, MD - University Medicine, Ernst-Moritz-Arndt-University, Greifswald, Germany

# SCIENTIFIC PROGRAM - THURSDAY/FRIDAY

7:00 - 10:00 PM **COCKTAIL RECEPTION - COURTYARD**  
**AWARDS DINNER - HAPUNA BALLROOM**

Presentation of Awards  
Hirshberg Award for Best Abstracts in Pancreatic Cancer  
National Pancreas Foundation Award for Best Abstracts in Pancreatitis  
Young Investigator Travel Awards

APA Distinguished Service Award: Stephen James

Presentation of the Vay Liang & Frisca Go Award  
for Lifetime Achievement  
Recipients: William Chey & Ashok Saluja

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## FRIDAY - NOVEMBER 7

7:00 AM-6:30 PM **REGISTRATION - HAPUNA BALLROOM FOYER**

6:30 - 8:00 AM **BREAKFAST - COURTYARD**  
**POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS**

7:00 - 8:00 AM **POSTER OF DISTINCTION HIGHLIGHTS**  
**HAPUNA BALLROOM**  
Moderators: Sulagna Banerjee, PhD & Jeremy Wilson, MD

Please see pages 34-35 for a listing of the Posters of Distinction, each of whom will give a 3 minute presentation.

8:00 - 9:00 AM **INNOVATIONS IN EARLY DETECTION OF SPORADIC PANCREATIC CANCER**  
**SYMPOSIUM**  
**HAPUNA BALLROOM**

Summary report from the Kenner Family Research Fund/APA Summit Conference held on November 5.

Presenters:  
Stephen Pandol, MD  
Barbara Kenner, PhD  
Deborah Cleeter, EdD  
Suresh Chari, MD  
Vay Liang W Go, MD

# SCIENTIFIC PROGRAM - FRIDAY

9:00 - 10:25 AM

## SCIENTIFIC SESSION 3: PANCREATITIS HAPUNA BALLROOM

Moderators: Anna Gukovskaya, PhD & Junichi Sakagami, MD

**The Role of Innate Immunity in the Pathogenesis of Type 1 Autoimmune Pancreatitis.** K Uchida<sup>1</sup>, Y Fukui<sup>1</sup>, M Yanagawa<sup>1</sup>, T Mitsuyama<sup>1</sup>, K Sumimoto<sup>1</sup>, T Ikeura<sup>1</sup>, Y Sakaguchi<sup>1</sup>, M Shimatani<sup>1</sup>, T Fukui<sup>1</sup>, M Matsushita<sup>1</sup>, M Takaoka<sup>1</sup>, A Nishio<sup>1</sup>, S Sato<sup>2</sup>, AH Kwon<sup>2</sup>, K Okazaki<sup>1</sup>. <sup>1</sup>Department of Gastroenterology and Hepatology, <sup>2</sup>Department of Surgery, Kansai Medical University, Hirakata, Japan.

**Evaluation of Rosemont Classification for Non-Calclific Chronic Pancreatitis Based on Histopathology-A Retrospective Study.** G Trikudanathan<sup>1</sup>, S Munigala<sup>2</sup>, U Barlass<sup>3</sup>, A Malli<sup>4</sup>, Y Han<sup>5</sup>, M Bellin<sup>6</sup>, S Chinnakotla<sup>3</sup>, T Dunn<sup>3</sup>, T Pruetz<sup>3</sup>, G Beilman<sup>3</sup>, J-V Peralta<sup>1</sup>, M Arain<sup>1</sup>, S Mallery<sup>1</sup>, ML Freeman<sup>1</sup>, R Attam<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, University of Minnesota, Minneapolis; <sup>2</sup>Department of Internal Medicine, University of Minnesota, Minneapolis; <sup>3</sup>Division of Gastroenterology, St Louis University School of Medicine; <sup>4</sup>Department of Pathology, University of Minnesota, Minneapolis; <sup>5</sup>The Schulze Diabetes Institute, University of Minnesota, Minneapolis, MN; <sup>6</sup>Department of Surgery, University of Minnesota, Minneapolis.

**The Absence of Pancreatic Ductal Dclk1 Entirely Reverses the Progression of Cerulein-Induced ADM in Mice.** R. May<sup>1</sup>, D. Qu<sup>1</sup>, N. Weygant<sup>1</sup>, S. Sureban<sup>1</sup>, S.A. Lightfoot<sup>2</sup>, J.T. Maple<sup>1</sup>, C. W. Houchen.<sup>1</sup> <sup>1</sup>Department of Medicine, <sup>2</sup>Center for Cancer Prevention and Drug Development, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA.

**Suppressor Leukocytes are Protective in Acute Pancreatitis.** E. Alabraba,<sup>1</sup> F. Campbell,<sup>2</sup> D. Lataweic,<sup>1</sup> J. Neoptolemos,<sup>1</sup> R. Sutton<sup>1</sup>. <sup>1</sup>NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; <sup>2</sup>Dept of Molecular and Clinical Cancer Medicine, University of Liverpool, Liverpool, UK.

**Management for Pancreatolithiasis: A Japanese Multicenter Study.** Y Suzuki<sup>1,2</sup>, MSugiyama<sup>1,2</sup>, K Inui<sup>1,3</sup>, Y Igarashi<sup>1,4</sup>, H Ohara<sup>1,5</sup>, S Tazuma<sup>1,6</sup>, T Tsuji<sup>1,7</sup>, H Miyakawa<sup>1,8</sup>, Y Atomi<sup>1,2</sup>. <sup>1</sup>Japanese Study Group for Pancreato-Biliary Lithiasis; <sup>2</sup>Department of Surgery, Kyorin University School of Medicine, Tokyo; <sup>3</sup>Department of Internal Medicine, Fujita Health University, Second Teaching Hospital, Nagoya; <sup>4</sup>Department of Internal Medicine, Division of Gastroenterology and Hepatology, Toho University, Omori Medical Center, Tokyo; <sup>5</sup>Department of Gastroenterology and Metabolism, Nagoya City University Graduate School of Medical Sciences, Nagoya; <sup>6</sup>Department of General Medicine and Clinical Pharmacotherapy, Graduate School of Biomedical Sciences, Hiroshima University, Hiroshima; <sup>7</sup>Department of Gastroenterology, Saitama Cooperative Hospital, Saitama; <sup>8</sup>Department of Gastroenterology, Sapporo Kosei Hospital, Hokkaido, Japan.

**Radioccontrast Exposure Provokes Post-ERCP Pancreatitis by Selectively Triggering Aberrant Ca<sup>2+</sup> Signals and Activating Calcineurin.** S. Jin, A.I. Orabi, T. Le, J.F. Eisses, S. Sah, S.Z. Husain. Pediatrics, University of Pittsburgh, Pittsburgh, PA, USA.

**Combined Therapy with Steroid and Azathioprine in Naïve Autoimmune Pancreatitis.** T.J. Song, M.H. Kim, D.W. Oh, D.H. Park, S.S. Lee, D.W. Seo, S.K. Lee. Department of Internal Medicine, University of Ulsan College of Medicine, Asan Medical Center, Seoul, South Korea.

10:25 - 10:40 AM

**BREAK** - HAPUNA BALLROOM FOYER



# SCIENTIFIC PROGRAM - FRIDAY

10:40 - 11:30 AM **PANCREAS EXOCRINE INSUFFICIENCY UPDATE AND CASE PRESENTATIONS**  
Moderators: Darwin Conwell, MD, MS & Christopher Forsmark, MD

**Challenges and Updates in the Management of Exocrine Pancreatic Insufficiency**  
Phil Hart, MD - Ohio State University, USA

**Case Presentations**

Darwin Conwell, MD, MS - Ohio State University, USA

**Panel Discussion:**

Walter G. Park, MD, MS - Stanford University School of Medicine, USA

Vikesh Singh, MD - Johns Hopkins, USA

Julia McNabb-Baltar, MD - Brigham & Women's USA

Phil Hart, MD - Ohio State University, USA

Kyoko Shimizu, MD - Tokyo Women's Hospital, Japan

Yoshifumi Takeyama, MD, PhD - Kinki University, Japan

**Conclusion**

Darwin Conwell, MD, MS - Ohio State University, USA

11:30 - 12:00 PM **INAUGURAL PAUL WEBSTER CLINICAL STATE OF THE ART LECTURE**  
**HAPUNA BALLROOM**  
Introduction: Ashok K. Saluja, PhD

**Appropriate Health Care: A Surgeon's View of the Patient with Pancreatic Disease**  
Andrew L. Warshaw, MD, Massachusetts General Hospital, USA

12:00 - 2:00 PM **LUNCH - COURTYARD**  
**POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS**

2:00 - 2:30 PM **APA BUSINESS MEETING**  
**HAPUNA BALLROOM**

**President's Address**

Stephen Pandol, MD

**Report from the Secretary-Treasurer**

Ashok K. Saluja, PhD

**Report from the Nominating Committee**

Anirban Maitra, MD

**New Initiatives at NIH**

# SCIENTIFIC PROGRAM - FRIDAY

2:30 - 3:55 PM

## **INNOVATION IN PANCREATIC CANCER TREATMENT HAPUNA BALLROOM**

Moderators: Guido Eibl, MD & Sarah P. Thayer, MD, PhD

### **Radiotherapy for Pancreas Cancer: Where Are We and Where Should We Be Going?**

Richard Tuli, MD, PhD - Cedars Sinai Medical Center, USA

### **What Is New in Chemotherapy?**

Anirban Maitra, MD - UT MD Anderson Cancer Center, USA

### **Genetic Profiling**

Andrew Biankin, MD, PhD - University of Glasgow, Scotland

### **S-1: A Hope From the East?**

Junji Furuse, MD, PhD - Kyorin University, Japan

### **Innovation of Surgery in Combination With Hent-1-oriented Chemotherapy**

Shuji Isaji, MD, PhD - Mie University, Japan

3:55 - 4:10 PM

**BREAK** - HAPUNA BALLROOM FOYER

4:10 - 5:10 PM

## **PARALLEL SESSION: CLINICAL CONTROVERSY CHALLENGES TO DIAGNOSING EARLY STAGE CHRONIC PANCREATITIS & THERAPEUTIC IMPLICATIONS HAPUNA BALLROOM**

Moderators: Martin Freeman, MD & Dana Andersen, MD

### **Keynote: Challenges to Diagnosing Early Stage Chronic Pancreatitis - Therapeutic Implications**

Tooru Shimosegawa, MD, PhD - Tohoku University, Japan

### **Therapeutic Implications Debate**

TPIAT - Greg Beilman, MD, University of Minnesota, USA

Non-TPIAT - Robert Sutton, MD - University of Liverpool, UK

### **Current Diagnostic Strategies for Diagnosis - Where are we in 2014?**

Panel: Shawn Mallery, MD - University of Minnesota, USA

Atsushi Irisawa, MD, PhD - Fukushima Medical University, Aizu Medical Center, Japan

Keiko Shiratori, MD - Tokyo Women's Medical University, Japan

4:10 - 5:10 PM

## **PARALLEL SESSION: BASIC SCIENCE CONTROVERSY STROMA IN PANCREATIC CANCER: FRIEND OR FOE? KAMANI ROOM**

Moderators: Kennichi Satoh, MD & Anirban Maitra, MD

### **Why Target Stroma?**

Atsushi Masamune, MD, PhD - Tohoku University, Japan

### **Debate**

#### **Stromal Re-engineering to Treat Pancreas Cancer**

Sunil Hingorani, MD, PhD - Fred Hutchinson Cancer Research Center, USA

#### **Elements of the Stroma Constrain Pancreas Tumors: The Plot Thickens**

Andrew Rhim, MD - University of Michigan, USA

# SCIENTIFIC PROGRAM – FRIDAY

5:10 - 6:30 PM

## PARALLEL SESSION: SCIENTIFIC SESSION 4: CLINICAL SCIENCE HAPUNA BALLROOM

Moderators: Johanna Laukkarinen, MD, PhD & Shigeyuki Kawa, MD

### Best of EPC – Clinical Science

**Re-Classification of Mixed-Type IPMNs Allows for Better Definition of Epidemiology, Biology and Outcomes after Surgical Resection.** G Marchegiani, M Mino Kenudson, K Sahara, C Ferrone, S Thayer, A Warshaw, Keith Lillemoe, C Fernandez-del Castillo. MGH Harvard Medical School, United States.

**Clinical Profiles and Outcomes in Type 2 Autoimmune Pancreatitis (AIP): the Mayo Clinic Experience.** P Hart, M Levy, T Smyrk, N Takahashi, BA Dayyeh, J Clain, F Gleeson, R Pearson, B Petersen, MTopazian, SS Vege, L Zhang, S Chari. Division of Gastroenterology and Hepatology, Mayo Clinic Rochester, Minnesota.

**A Minimally Invasive Screening Test to Detect Pancreatic Ductal Adenocarcinoma Using Biomarkers in the Duodenal Fluid; an Up-to-Date Report.** T. Matsunaga,<sup>1</sup> T. Ohtsuka,<sup>1</sup> K. Asano,<sup>2</sup> T. Fujimoto,<sup>1</sup> K. Date,<sup>1</sup> H. Kimura,<sup>1</sup> Y. Watanabe,<sup>1</sup> K. Tamura,<sup>1</sup> K. Ohuchida,<sup>1</sup> S. Takahata,<sup>1</sup> K. Mizumoto,<sup>1</sup> S. Guha,<sup>3</sup> M. Raimondo,<sup>4</sup> M. Tanaka,<sup>1</sup> <sup>1</sup>Department of Surgery and Oncology, and <sup>2</sup>Department of Medicine and Clinical Science, Kyushu University, Fukuoka, Japan; <sup>3</sup>Division of Gastroenterology, Hepatology, and Nutrition, The University of Texas Medical School and University of Texas Health Science Center, Houston, USA; <sup>4</sup>Division of Gastroenterology and Hepatology, Mayo Clinic Jacksonville, Florida, USA.

**Are IPMN of the Pancreas Associated To an Increased Prevalence or Incidence of Extra-pancreatic Neoplasms? A Multicentre European Observational Study.** G Marchegiani<sup>1</sup>, JG D'Haese<sup>2</sup>, M Keskin<sup>3</sup>, P Wenzel<sup>4</sup>, L Pugliese<sup>5</sup>, G Malleo<sup>1</sup>, A Borin<sup>1</sup>, L Nilsson<sup>6</sup>, V Benning<sup>2</sup>, N Oruc<sup>3</sup>, R Segersvard<sup>6</sup>, R Salvia<sup>1</sup>, GO Ceyhan<sup>2</sup>, and Marco del Chiaro<sup>6</sup>. <sup>1</sup>Department of Surgery, Pancreas Institute, Verona University Hospital, Verona, Italy; <sup>2</sup>Department of Surgery, Klinikum rechts der Isar, Technische Universität München, Munich, Germany; <sup>3</sup>Division of Gastroenterology, Department of Internal Medicine, Ege University, Izmir, Turkey; <sup>4</sup>Department of Gastroenterology, Klinikum rechts der Isar, Technische Universität München, Munich, Germany; <sup>5</sup>Unit of General Surgery 2, Department of Surgery, IRCCS Policlinico San Matteo, Pavia, Italy; <sup>6</sup>Division of Surgery, CLINTEC, Karolinska Institutet at Karolinska University Hospital, Stockholm, Sweden. This study was conducted as a project of the 6th Pancreas2000 education and research program.

**Significant Risk for Pancreatic Dysfunction During the Long-Term Follow-Up After First Episode of Acute Alcoholic Pancreatitis.** J. Nikkola<sup>1</sup>, J. Laukkarinen<sup>1,2</sup>, S. Järvinen<sup>2</sup>, R. Lappalainen-Lehto<sup>2</sup>, H. Seppänen<sup>2</sup>, I. Nordback<sup>1,2</sup>, J. Sand<sup>1,2</sup>. <sup>1</sup>University of Tampere, School of Medicine, Tampere, Finland; <sup>2</sup>Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland.

**Natural History of Branch Duct Intraductal Papillary Mucinous Neoplasms With Or Without Mural Nodule.** R. Minami, H. Maguchi, T. Kin, K. Takahashi, A. Katanuma, M. Osanai, K. Yane, S. Ikarashi, M. Sen-yo, I. Sano, H. Yamazaki. Center for Gastroenterology, Teine Keijinkai Hospital, Sapporo, Hokkaido, Japan.

5:10 - 6:30 PM

## PARALLEL SESSION: SCIENTIFIC SESSION 4: BASIC SCIENCE KAMANI ROOM

Moderators: Courtney Houchen, MD & Toru Furukawa, MD, PhD

### Best of EPC: Basic Science

**Comparative Effectiveness of Immune-cell Depletion and a Targeted Therapy Against LT $\beta$ R-signaling in the Treatment of Autoimmune Pancreatitis.** GM Seleznik,<sup>1</sup> T Reding,<sup>1</sup> S Sonda,<sup>1</sup> J Browning,<sup>2</sup> S Segerer,<sup>3</sup> M Heikenwalder,<sup>4</sup> R Graf<sup>1</sup>. <sup>1</sup>Swiss HPB Center, Visceral & Transplantation Surgery, University Hospital Zurich, Switzerland; <sup>2</sup>Department of Microbiology, Boston University School of Medicine, Boston, United States; <sup>3</sup>Division of Nephrology, University Hospital Zurich, Switzerland; <sup>4</sup>Institute of Virology, Technische Universität München–Helmholtz Zentrum München, Munich, Germany.

# SCIENTIFIC PROGRAM - FRIDAY/SATURDAY

Scientific Session: Basic Science cont

**Assessment of Clonality of Multisegmental Main Duct Intraductal Papillary Mucinous Neoplasms of the Pancreas Based on GNAS Mutation Analysis.** K.Tamura,<sup>1</sup> T.Ohtsuka,<sup>1</sup> M.Taketo,<sup>1</sup> K.Date,<sup>1</sup> T.Fujimoto,<sup>1</sup> H.Kimura,<sup>1</sup> Y.Watanabe,<sup>1</sup> T.Miyazaki,<sup>2</sup> K.Ohuchida,<sup>1</sup> S.Takahata,<sup>1</sup> Y. Oda,<sup>2</sup> K.Mizumoto,<sup>1</sup> and M.Tanaka<sup>1</sup>. Departments of <sup>1</sup>Surgery and Oncology, <sup>2</sup>Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

**AMPK Activation by Rottlerin Promotes ER stress- rather than Autophagy-mediated Apoptosis in Pancreatic Stellate Cells.** H-Y Su, RT Waldron, R Gong, SJ Pandol, A Lugea. Cedars-Sinai Medical Center, VAGLAHS & UCLA, Los Angeles, CA.

**Newcastle Disease Virus mediated tumor lysis of murine pancreatic adenocarcinoma.** T. Schwaiger<sup>1</sup>, M. Knittler<sup>2</sup>, M. Sendler<sup>1</sup>, C. Grund<sup>2</sup>, A. Römer-Oberdörfer<sup>2</sup>, T. C. Mettenleiter<sup>2</sup>, M.M. Lerch<sup>1</sup>, U. Blohm<sup>2</sup>, J. Mayerle<sup>1</sup>. <sup>1</sup>Department of Internal Medicine A, University Medicine, Ernst-Moritz-Arndt-University Greifswald, <sup>2</sup>Federal Research Institute of Animal Health Care, Friedrich-Loeffler-Institut, Riems, Greifswald, Germany.

**Pancreatic Lipases have a Redundant Role in Inducing Lipotoxic Cell Death.** P Noel<sup>1</sup>, RN Trivedi<sup>1</sup>, K Patel<sup>1</sup>, M Lowe<sup>2</sup>, VP Singh.<sup>1</sup> <sup>1</sup>Department of Medicine, Mayo Clinic, Scottsdale, AZ, <sup>2</sup>Division of Pediatric Gastroenterology, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

**Anterograde Endosomal Trafficking Acutely Regulates VAMP8-Dependent ZG Exocytosis.** SW Messenger, MA Falkowski, EK Jones, DDH Thomas, GE Groblewski. University of Wisconsin, Madison, USA

6:30 - 9:00 PM **WOMEN IN PANCREAS DINNER & RECEPTION**

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## SATURDAY - NOVEMBER 8

7:00 AM-12:30 PM **REGISTRATION** - HAPUNA BALLROOM FOYER

6:30 - 8:00 AM **BREAKFAST**- COURTYARD  
**POSTER VIEWING** - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS

7:00 - 8:00 AM **POSTER OF DISTINCTION HIGHLIGHTS**  
**HAPUNA BALLROOM**  
Moderators: Mark Lowe, MD, PhD & Koji Yamaguchi, MD, PhD

Please see pages 43-44 for a listing of the Posters of Distinction, each of whom will give a 3 minute presentation.

# SCIENTIFIC PROGRAM - SATURDAY

8:00 - 10:00 AM

## SCIENTIFIC SESSION 5: PANCREATIC CANCER HAPUNA BALLROOM

Moderators: Minoti Apte, MBBS, PhD & Min Li, PhD

**Multicenter Prospective Surveillance Study of BD-IPMN in Japan: Objectives and Registration Status in 2014.** H. Maguchi,<sup>1,2</sup> T. Ohtsuka,<sup>2</sup> S. Tanno,<sup>2</sup> G. Kobayashi,<sup>2</sup> W. Kimura,<sup>2</sup> T. Yamaguchi,<sup>2</sup> T. Hatori,<sup>2</sup> M. Tada,<sup>2</sup> S. Hijioka,<sup>2</sup> H. Uehara,<sup>2</sup> K. Hanada,<sup>2</sup> K. Yamaguchi,<sup>2</sup> M. Sugiyama,<sup>2</sup> and M. Tanaka.<sup>2</sup> <sup>1</sup>Center for Gastroenterology, Teine-Keijinkai Hospital, Sapporo, Japan; <sup>2</sup>The working group of Japan Pancreatic Society (JPS).

**Minnelide™ and Paclitaxel is an Effective Combination Against Pancreatic Cancer.** S. Modi, K. Majumder, S. Banerjee, R. Chugh, A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN, USA.

**NGAL in Pancreatic Juice (PJ) Helps to Discriminate Pancreatic Cancer (PC) Patients from Healthy Controls (HC): Report from a Prospective Trial.** J. Yang<sup>1</sup>, S. Guha<sup>1</sup>, T. Matsunaga<sup>2</sup>, T. Ohtsuka<sup>2</sup>, K. Asano<sup>2</sup>, T. Fujimoto<sup>2</sup>, K. Date<sup>2</sup>, H. Kimura<sup>2</sup>, Y. Watanabe<sup>2</sup>, K. Tamura<sup>2</sup>, K. Ohuchida<sup>2</sup>, S. Takahata<sup>2</sup>, K. Mizumoto<sup>2</sup>, V. Skinner<sup>3</sup>, M. Wallace<sup>3</sup>, T. Woodward<sup>3</sup>, M. Li<sup>1</sup>, M. Tanaka<sup>2</sup>, and M. Raimondo<sup>3</sup>. <sup>1</sup>The UT Medical School and Health Science Center, Houston, TX; <sup>2</sup>Kyushu University, Fukuoka, Japan; and <sup>3</sup>Mayo Clinic Jacksonville, FL, USA.

**The Prognostic Roles of Peripheral Lymphocyte Subsets Obtained From Pancreatic Ductal Adenocarcinoma Patients.** Y-F Xu<sup>1,2,3</sup>, Y Lu<sup>1,2,3</sup>, H Cheng<sup>1,2,3</sup>, S Shi<sup>1,2,3</sup>, J Xu<sup>1,2,3</sup>, J Long<sup>1,2,3</sup>, L Liu<sup>1,2,3</sup>, C Liu<sup>1,3</sup>, Q Ni<sup>1,2,3</sup>, X Yu<sup>1,2,3</sup>. <sup>1</sup>Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center, <sup>2</sup>Department of Oncology, Shanghai Medical College, Fudan University, <sup>3</sup>Pancreatic Cancer Institute, Fudan University, Shanghai 200032, P.R. China.

**Serum DCLK1 Levels are Elevated in Early Stage Pancreatic Cancer Patients.** D. Qu<sup>1</sup>, P. Chandrakesan<sup>1</sup>, J. Johnson<sup>1</sup>, N. Weygant<sup>1</sup>, R. May<sup>1</sup>, A. Rhim<sup>2</sup>, B. Stanger<sup>3</sup>, S.M. Sureban<sup>1</sup>, C. W. Houchen<sup>1</sup>. <sup>1</sup>Department of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK; <sup>2</sup>Department of Internal Medicine, University of Michigan, Ann Arbor, MI; <sup>3</sup>Department of Medicine, University of Pennsylvania, Philadelphia, PA, USA.

**Igf1R/IR Hybrid Receptors Regulate PI3K Signalling and thus Pancreatic Carcinogenesis.** E. Kaliders<sup>1</sup>, P. K. Mazur<sup>2</sup>, B. M. Grüner<sup>2</sup>, M. Trajkovic-Arsic<sup>1</sup>, A. Gupta<sup>1</sup>, R. M. Schmid<sup>1</sup>, J. T. Siveke<sup>1</sup>. <sup>1</sup>II. Medizinische Klinik, Klinikum rechts der Isar, Technische Universität München, Munich, Germany; <sup>2</sup>Department of Genetics, Department of Pediatrics, Stanford University, Stanford, CA, USA.

**The Evaluation of Circulating miR-483-3p and miR-21 in Plasma of Pancreatic Ductal Adenocarcinoma Patients.** M. Abue,<sup>1</sup> M. Yokoyama,<sup>1</sup> R. Shibuya,<sup>1</sup> K. Tamai,<sup>2</sup> I. Sato,<sup>3</sup> N. Tanaka,<sup>2</sup> K. Yamaguchi,<sup>4</sup> S. Hamada,<sup>5</sup> T. Shimosegawa,<sup>5</sup> K. Sugamura,<sup>4</sup> K. Satoh<sup>1</sup>. <sup>1</sup>Division of Cancer Stem Cell; <sup>2</sup>Division of Cancer Biology and Therapeutics; <sup>3</sup>Tissue Bank Center and <sup>4</sup>Division of Molecular and Cellular Biology, Miyagi Cancer Center Research Institute. Notori, Japan; <sup>5</sup>Division of Gastroenterology, Tohoku University Graduate School of Medicine. Sendai, Japan.

**Efficacy, Safety and Pharmacokinetics (PK) of Weekly Nab-Paclitaxel (P) plus Gemcitabine (G) in Japanese Patients (pts) with Metastatic Pancreatic Cancer (MPC): Phase I/II Trial.** A. Kasuga,<sup>1</sup> H. Ueno,<sup>2</sup> M. Ikeda,<sup>3</sup> M. Ueno,<sup>4</sup> N. Mizuno,<sup>5</sup> T. Ioka,<sup>6</sup> Y. Omuro,<sup>7</sup> T. E. Nakajima,<sup>8</sup> J. Furuse<sup>1</sup>. <sup>1</sup>Department of Medical Oncology, Kyorin University School of Medicine; <sup>2</sup>Hepatobiliary and Pancreatic Oncology Division, National Cancer Center Hospital; <sup>3</sup>Department of Hepatobiliary and Pancreatic Oncology, National Cancer Center Hospital East; <sup>4</sup>Division of Hepatobiliary and Pancreatic Medical Oncology, Kanagawa Cancer Center; <sup>5</sup>Department of Gastroenterology, Aichi Cancer Center Hospital; <sup>6</sup>Department of Hepatobiliary and Pancreatic Oncology, Osaka Medical Center for Cancer and Cardiovascular Diseases; <sup>7</sup>Department of Chemotherapy, Tokyo Metropolitan Cancer and Infectious diseases Center Komagome Hospital; <sup>8</sup>Department of Medical Oncology, St. Marianna University School of Medicine Hospital, Japan.





# SCIENTIFIC PROGRAM - SATURDAY

Scientific Session: Pancreatic Cancer cont

**Smoking-Induced DNA Damage Results in ATM-Dependent Phosphorylation of Histone H2AX in Pancreatic Cancer.** N. Nagathihalli<sup>1,4</sup>, K. Honnenahally<sup>1</sup>, H. Tanjore<sup>1</sup>, F. Revetta<sup>1</sup>, X. Chen<sup>3</sup>, J. Castellanos<sup>1</sup>, C. Shi<sup>2</sup>, N. Merchant<sup>1,4</sup>. Departments of <sup>1</sup>Surgery, <sup>2</sup>Pathology, <sup>3</sup>Biostatistics and <sup>4</sup>Cancer Biology, Vanderbilt University School of Medicine, Nashville, TN, USA.

**A Novel Technology for Fluorescence Guided Surgery and Photodynamic Therapy of Pancreatic Tumors.** Z. Cruz-Monserrate,<sup>1</sup> H. Wang,<sup>2</sup> W. R. Abd-Elgaliel,<sup>3</sup> C. Tung,<sup>3</sup> and C. D. Logsdon<sup>1</sup>. <sup>1</sup>Department of Cancer Biology, <sup>2</sup>Pathology, University of Texas, M. D. Anderson Cancer Center, Houston TX; <sup>3</sup>Department of Translational Imaging, The Methodist Hospital Research Institute, Houston TX, USA.

10:00 - 10:15 AM **BREAK** - HAPUNA BALLROOM FOYER

10:15 - 11:30 AM **PANCREATIC NEUROENDOCRINE TUMOR UPDATE**  
**HAPUNA BALLROOM**

Moderators: Vay Liang Go, MD & Masanori Sugiyama, MD

**Keynote: Management of Pancreatic Neuroendocrine Tumors**

Aaron Vinik, MD, PhD - Eastern Virginia Medical School, USA

**Mechanism of Tumor Development & Promotion**

F. Charles Brunicaudi, MD - UCLA, USA

**Staging and Proceeding to Therapy by Means of Surgical & Radiological Interventions Including TACE**

Wataru Kimura, PhD - Yamagata University, Japan

**Clinical Aspects of pNET**

Tetsuhide Ito, MD, PhD - Kyushu University, Japan

11:30 - 12:00 PM **TADASHI TAKEUCHI STATE OF THE ART LECTURE**  
**HAPUNA BALLROOM**

Introduction: Tooru Shimosegawa, MD, PhD

**Autoimmune Pancreatitis: Past, Present & Future**

Kazuichi Okazaki, MD, PhD - Kansai Medical University, Japan

12:00 - 2:00 PM **LUNCH** - COURTYARD  
**POSTER VIEWING** - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS

# POSTER SESSIONS - THURSDAY

## 45<sup>th</sup> Anniversary Meeting of the American Pancreatic Association & Japan Pancreas Society November 5-8

### POSTER SESSIONS

**THURSDAY, NOVEMBER 6**

**7:00 AM - 6:00 PM POSTER SESSION 1**

COURTYARD: P1-1 TO P1-32

LEHUA/HAU ROOM: P1-33 TO P1-72

BREEZEWAY: P1-73 TO P1-120

Posters P1-1:12 Posters of Distinction

**P1-1**

A Novel Paraneoplastic Fat Redistribution in Pancreatic Cancer (PC) induced Weight Loss Distinct from Non-PC Cachexia. RP Sah, S Nagpal, N Ahmed, N Takahashi, J Miles, D Mukhopadhyay, ST Chari. Div. of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

**P1-2**

Local Immunological Effect of Neoadjuvant Chemoradiotherapy in Patients with Borderline Resectable Pancreatic Cancer. T. Murakami,<sup>1</sup> R. Mori,<sup>1</sup> R. Matsuyama,<sup>1</sup> Y. Homma,<sup>1</sup> M. Nakazawa,<sup>2</sup> Y. Tanaka,<sup>1</sup> K. Miyake,<sup>1</sup> Y. Sawada,<sup>1</sup> Y. Oota,<sup>1</sup> Y. Hiroshima,<sup>1</sup> T. Kumamoto,<sup>1</sup> M. Ueda,<sup>1</sup> K. Takeda,<sup>1</sup> Y. Ichikawa,<sup>1</sup> K. Tanaka,<sup>1</sup> I. Endo<sup>1</sup>. <sup>1</sup>Department of Gastroenterological Surgery, Yokohama City University Graduate School of Medicine, Yokohama, Japan; <sup>2</sup>Department of Experimental Animal Medicine, Yokohama City University Graduate School of Medicine, Yokohama, Japan.

**P1-3**

Acute Pancreatitis In Pregnancy: A Report From The Nationwide Inpatient Sample. J. McNabb-Baltar,<sup>1</sup> L. Lee,<sup>1</sup> V. Kadiyala,<sup>1</sup> S.L. Suleiman,<sup>1</sup> P.A. Banks,<sup>1</sup> D.L. Conwell<sup>2</sup>. <sup>1</sup>Brigham and Women's Hospital, Harvard Medical School, Boston, MA; <sup>2</sup>Ohio State University, Columbus, OH.

**P1-4**

COPII Dependent ER Export: A Critical Component of ZG Biogenesis and Acinar ER Homeostasis. J Fang and X Chen. Department of Physiology, Wayne State University.

**P1-5**

Discovery and Validation of Biomarkers for the Differential Diagnosis of Pancreatic Cysts Using a Mass Spectrometry-Based Comprehensive Proteomics Approach. JK Lee,<sup>1</sup> KH Lee,<sup>1</sup> KT Lee,<sup>1</sup> JS Park,<sup>2</sup> SY Lee<sup>2</sup>. <sup>1</sup>Departments of Medicine, <sup>2</sup>Department of Laboratory & Genetics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea.

**P1-6**

Grading of Significant Risk Factors for Post-ERCP Pancreatitis: A Systematic Review of 39,229 ERCP Procedures. V. S. Akshintala,<sup>1</sup> S. M. Hutfless,<sup>2</sup> V. K. Singh,<sup>2</sup> D. Yadav<sup>1</sup>. Divisions of Gastroenterology, <sup>1</sup>University of Pittsburgh Medical Center, Pittsburgh, PA; <sup>2</sup>Johns Hopkins Medical Institutions, Baltimore, MD.

**P1-7**

High Fat Accelerates Pancreatic Cancer Development via Activation of Oncogenic K-Ras and COX2 Expression. B. Philip,<sup>1</sup> C. L. Roland,<sup>2</sup> J. Daniluk,<sup>5</sup> Y. Liu,<sup>1</sup> D. Chatterjee,<sup>2</sup> S. B. Gomez,<sup>1</sup> B. Ji,<sup>6</sup> H. Huang,<sup>1</sup> H. Wang,<sup>3</sup> J. B. Fleming,<sup>2</sup> C.D. Logsdon,<sup>1,4</sup> Z. Cruz-Monserrate<sup>1</sup>. <sup>1</sup>Department of Cancer Biology, <sup>2</sup>Surgical Oncology, <sup>3</sup>Pathology, <sup>4</sup>GI Medical Oncology, UT, M. D. Anderson Cancer Center, Houston, TX; <sup>5</sup>Department of Gastroenterology and Internal Medicine, Medical University of Bialystok, Bialystok, Poland, <sup>6</sup>Mayo Clinic, Rochester, Minnesota

**P1-8**

Improvement of the Chemoradiotherapy Followed by Surgery for Advanced Pancreatic Ductal Adenocarcinoma: Comparison of the Histopathological Effect Between Single-Agent Gemcitabine and S-1/Gemcitabine Combination Therapy. M.Kishiwada, H.Kato, Y.Murata, A. Tanemura, N. Kuriyama, Y. Azumi, S.Mizuno, M.Usui, H.Ssakurai, S. Isaji. Hepatobiliary Pancreatic and Transplant Surgery, Mie University School of Medicine, Tsu, Japan.

# POSTER SESSIONS - THURSDAY

## P1-9

Increased Risk of Pancreatic Cancer in Patients with Intraductal Papillary Mucinous Neoplasms of the Pancreas and a Family History or Past History of Cancer of the Pancreas or Other Organs. T Kaise,<sup>1</sup> K Shimizu,<sup>1</sup> K Ajihara,<sup>1</sup> J Akao,<sup>1</sup> T Shioga,<sup>1</sup> K Nagao,<sup>1</sup> J Tahara,<sup>1</sup> Y Takayama,<sup>1</sup> K Shiratori,<sup>1</sup> W Izumo,<sup>2</sup> T Hatori,<sup>2</sup> T Furukawa.<sup>3</sup> 1Department of Gastroenterology, 2Gastroenterological Surgery, 3Institute for Integrated Medical Science, Tokyo Women's Medical University, Tokyo, Japan.

## P1-10

Intra-pancreatic Trypsin Activation is not Essential for Development of Chronic Alcoholic Pancreatitis in Mice. R. Dawra, A. Bekolay, Y. Ryu, A. Saluja Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN, USA.

## P1-11

L1156F-CFTR Associated with Alcoholic Chronic Pancreatitis in Japanese. S. Kondo,<sup>1</sup> K. Fujiki,<sup>2</sup> S. B. Ko,<sup>3</sup> A. Yamamoto,<sup>1</sup> M. Nakakuki,<sup>1</sup> Y. Ito,<sup>4</sup> M. Kitagawa,<sup>2</sup> S. Naruse,<sup>5</sup> and H. Ishiguro<sup>1</sup>. 1Department of Human Nutrition, Nagoya University Graduate School of Medicine, Nagoya, Japan; 2Department of Nutrition, Nagoya University of Arts and Sciences, Nisshin, Japan; 3Department of Systems Medicine, Keio University School of Medicine, Tokyo, Japan; 4Division for Medical Research Engineering, Nagoya University Graduate School of Medicine, Nagoya, Japan; 5Miyoshi Municipal Hospital, Miyoshi, Japan.

## P1-12

A Systematic Review of Localization, Surgical Treatment Options and Outcome of Insulinoma. M. Hafezi,<sup>1</sup> L. Fischer,<sup>1</sup> L. Grenacher,<sup>2</sup> M. K. Diener,<sup>1</sup> J. Werner,<sup>1</sup> M. W. Büchler,<sup>1</sup> A. Mehrabi<sup>1</sup>. Department of General, Visceral and Transplantation Surgery; 2Department of Radiology, University of Heidelberg, Heidelberg, Germany.

## P1-13

Pancreatic Tuft Cells Principally Reside in the Ampulla and Proximal Intrapancreatic Biliary Duct in Mouse and Exhibit Increased Expression and Altered Localization in Response to Inflammatory Injury. A. Nakagawa,<sup>1</sup> M. Mino-Kenudson,<sup>2</sup> K.D. Lillemoe,<sup>1</sup> C. Fernández-del Castillo,<sup>1</sup> A.L. Warshaw,<sup>1</sup> S.P. Thayer,<sup>1</sup> A.S. Liss<sup>1</sup>. 1Warshaw Institute for Pancreatic Cancer Research and Departments of Surgery and 2Pathology, Massachusetts General Hospital and Harvard Medical School, Boston, MA.

## P1-14

Treitz Ligament Approach for Artery First PD. A Horiguchi, S Ishihara, M Ito, Y Asano. Department of General Surgery Pancreatic Surgery, Fujita Health University, Toyoake, Japan.

## P1-15

Usability of the First Jejunal Artery for Hepatic Arterial Reconstruction in Pancreatoduodenectomy with Combined Resection of the Hepatic Artery. A. Tanemura, Y. Okuda, R. Desaki, Y. Iizawa, N. Takahashi, H. Kato, Y. Murata, Y. Azumi, N. Kuriyama, M. Kishiwada, S. Mizuno, M. Usui, H. Sakurai, and S. Isaji. Department of Hepatobiliary Pancreatic and Transplant Surgery, Mie University Graduate School of Medicine, Tsu, Japan.

## P1-16

Protein Expression In Benign Biliary Strictures Before And After Treatment With Metal And Biodegradable Biliary Stents. A Siiki,<sup>1</sup> R Jesenofsky,<sup>2</sup> M Löhr,<sup>3</sup> I Nordback,<sup>1</sup> M Kellomäki,<sup>4</sup> J Mikkonen,<sup>5</sup> H Gröhn,<sup>5</sup> J Sand,<sup>1</sup> J Laukkarinen,<sup>1</sup>. 1Dept. of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; 2Dept. of Medicine II, University of Heidelberg, Mannheim, Germany; 3Gastrocentrum, Karolinska University Hospital, Huddinge, Sweden; 4Department of Biomedical Engineering, Tampere University of Technology, Tampere, Finland; 5Dept. of Clinical Physiology, University of Kuopio, Kuopio, Finland.

## P1-17

Morbid Obesity (MO) is an Independent Predictor of Mortality in Acute Pancreatitis (AP): A 5-year Analysis of the Nationwide Inpatient Sample (NIS). S.G. Krishna,<sup>1</sup> A. Hinton,<sup>2</sup> D. L. Conwell<sup>1</sup>. 1Section of Pancreatic Disorders, Department of Gastroenterology, Hepatology and Nutrition, 2Division of Biostatistics, The Ohio State University Wexner Medical Center, Columbus, OH.

## P1-18

Cystic Fibrosis in the United States: Trends in Healthcare Utilization and Resource Expenditures. S. Krishna, P. Hart, S. EIDika, R. Groce, S. Jones, A. Hinton, DL. Conwell. Section of Pancreatic Disorders, Division of Gastroenterology, Hepatology and Nutrition, The Ohio State University, Columbus, Ohio.

## P1-19

Transcriptome Analysis of Activating Transcription Factor 3 During Acute Pancreatitis. C Pin,<sup>1-3,5</sup> C Young,<sup>1,2,5</sup> W MacDonald,<sup>4,5</sup> C Johnson<sup>1,5</sup>. Depts. of 1Paediatrics, 2Physiology and Pharmacology, 3Oncology, and 4Biochemistry, Western University; 5Children's Health Research Institute, London, Ontario, CANADA.

## P1-20

Favorable Clinical Factors for Response in Gemcitabine/Erlotinib Chemotherapy for Unresectable Pancreatic Cancer. D. Moon, H. Lee, S. Kim, M. Chung, J. Park, S. Park, S. Song, J. Chung, S. Bang. Division of Gastroenterology, Department of Internal Medicine, Severance Hospital, Yonsei University College of Medicine and Yonsei Institute of Gastroenterology, Seoul, Korea.

# POSTER SESSIONS - THURSDAY

## P1-21

Inhibitive Effect of Adenylyl Cyclases 1 and 3 on Pancreatic Cancer Cell Proliferation. E. R. Floyd, K. Bathala, L. Chavez, S. Quinn, M. E. Sabatini. Department of Biological Sciences, Georgia Regents University, Augusta, GA, USA.

## P1-22

Hospital Admission Volume does not Impact the In-Hospital Mortality of Acute Pancreatitis. E Afghani,<sup>1</sup> SM Hutfless,<sup>1</sup> A Sinha,<sup>1</sup> MA Khashab,<sup>1</sup> AM Lennon,<sup>1</sup> D Yadav,<sup>3</sup> MA Makary,<sup>2</sup> DK Andersen,<sup>4</sup> AN Kalloo,<sup>1</sup> VK Singh<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, <sup>2</sup>Dept of Surgery, Johns Hopkins Hospital, Baltimore, MD; <sup>3</sup>Division of Gastroenterology, University of Pittsburgh SOM, Pittsburgh, PA; <sup>4</sup>National Institutes of Digestive and Kidney Disease, NIH, Bethesda, MD.

## P1-23

NMR-based Urine and Serum Metabolomics of ERCP-induced Pancreatitis. E Luszczyk,<sup>1</sup> K Colling,<sup>1</sup> JJ Glover,<sup>1</sup> D Conwell,<sup>3</sup> M Freeman,<sup>2</sup> G Beilman<sup>1</sup>. <sup>1</sup>Depts. of Surgery and <sup>2</sup>Medicine, University of Minnesota, Minneapolis, MN; <sup>3</sup>Dept. of Internal Medicine, Ohio State University, Columbus, OH.

## P1-24

Mitochondrial ATP Synthase Dysfunction Mediates L-arginine Induced Pancreatitis. G Biczó,<sup>1,2</sup> ET Vegh,<sup>1,2</sup> N Shalbueva,<sup>1</sup> SW French,<sup>3</sup> J Elperin,<sup>1</sup> E Lotshaw,<sup>1</sup> OA Mareninova,<sup>1</sup> P Hegyi,<sup>2</sup> Z Rakonczay Jr,<sup>2</sup> AS Gukovskaya.<sup>1</sup> <sup>1</sup>VA Greater Los Angeles and University of California Los Angeles, CA; <sup>2</sup>University of Szeged, Hungary; <sup>3</sup>Harbor-UCLA Medical Center, Torrance, CA.

## P1-25

Complications Associated With Endoscopic Ultrasound-Guided Fine Needle Aspiration of Solid Pancreatic Lesions. H. Miwa,<sup>1</sup> K. Sugimori,<sup>2</sup> T. Ishii,<sup>2</sup> T. Kaneko,<sup>2</sup> K. Numata,<sup>2</sup> K. Tanaka,<sup>2</sup> S. Maeda<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Yokohama City University School of Medicine, Yokohama, Japan; <sup>2</sup>Gastroenterological Center, Yokohama City University Medical Center, Yokohama, Japan

## P1-26

The Proteome of Surgical Pancreatic Juice. G Marchegiani,<sup>1</sup> JA Paulo,<sup>2</sup> K Sahara,<sup>1</sup> C Fernández-del Castillo<sup>1</sup>. <sup>1</sup>Department of Surgery, Massachusetts General Hospital - Harvard Medical School; <sup>2</sup> Department of Cell Biology, Harvard Medical School, Boston, MA.

## P1-27

Pancreaticogastrostomy Versus Pancreaticojejunostomy after Pancreaticoduodenectomy: A Meta-analysis of Randomised Controlled Trials. J.J. Xiong,<sup>1</sup> C.L. Tan,<sup>1</sup> P. Szatmary,<sup>3</sup> W. Huang,<sup>2,3</sup> N.W. Ke,<sup>1</sup> W.M. Hu,<sup>1</sup> Q.M. Nunes,<sup>3</sup> R. Sutton,<sup>3</sup> X.B. Liu<sup>1</sup>. Departments of <sup>1</sup>Pancreatic Surgery and <sup>2</sup>Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre, West China Hospital, Sichuan University, Chengdu, China; <sup>3</sup>NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK.

## P1-28

Use of Citrullinated Histones and Circulating Nucleosomes in Early Prediction of Organ Failure in Acute Pancreatitis. P. Szatmary,<sup>1</sup> T. Liu,<sup>2</sup> W. Huang,<sup>1</sup> G. Wang,<sup>2</sup> D. Latawiec,<sup>1</sup> K. Davies,<sup>1</sup> P. Ghaneh,<sup>1</sup> C. Halloran,<sup>1</sup> J.P. Neoptolemos,<sup>1</sup> M. Raraty,<sup>1</sup> C.H. Toh,<sup>2</sup> R. Sutton<sup>1</sup>. <sup>1</sup>NIHR Liverpool Pancreas Biomedical Research Unit, Institute of Translational Medicine; <sup>2</sup>Institute of Infection and Global Health, University of Liverpool.

## P1-29

The Role of Neutrophil Extracellular Traps in Acute Pancreatitis. P Szatmary,<sup>1</sup> T Liu,<sup>2</sup> L Wen,<sup>1</sup> W Huang,<sup>1</sup> M Awais,<sup>1</sup> G Wang,<sup>2</sup> CH Toh,<sup>2</sup> R Sutton<sup>1</sup>. <sup>1</sup>NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Institute of Translational Medicine; <sup>2</sup>Institute of Infection and Global Health, University of Liverpool.

## P1-30

Novel Mechanism for Inhibition of Pancreatic Ductal Adenocarcinoma by Metformin: Down-Regulation of Pancreatic Duodenal Homeobox-1. G. Zhou,<sup>1</sup> J. Yu,<sup>1</sup> J. Sinnott-Smith,<sup>2</sup> S.-H. Liu,<sup>1</sup> J. Wu,<sup>1</sup> R. Sanchez,<sup>1</sup> E. Rozengurt,<sup>2</sup> F. C. Brunicaardi<sup>1</sup>. <sup>1</sup>Departments of Surgery<sup>1</sup> and <sup>2</sup>Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA

## P1-31

Pancreatic Pseudocyst with Pseudoaneurysm Perforating to the Stomach: A Case Report. K. Hirose,<sup>1</sup> M. Hattori,<sup>1</sup> M. Tomita,<sup>1</sup> H. Kanazawa,<sup>1</sup> S. Isobe,<sup>1</sup> Y. Suzuki,<sup>1</sup> S. Ishihara,<sup>2</sup> A. Horiguchi,<sup>2</sup> and K. Inui<sup>3</sup>. <sup>1</sup>Department of Gastroenterology, Yamashita Hospital, Ichinomiya, Japan; <sup>2</sup>Department of Pancreatobiliary Surgery, Fujita Health University, Toyoake, Japan; <sup>3</sup>Department of Gastroenterology, Second Teaching Hospital, Fujita Health University, Nagoya, Japan

## P1-32

Endoscopic Transpapillary Drainage for Postoperative Pancreatic Fistula. K. Date, S. Takahata, K. Tamura, T. Fujimoto, H. Kimura, T. Matsunaga, Y. Watanabe, Y. Miyasaka, T. Ohtsuka, M. Tanaka. Department of Surgery and Oncology, Kyushu University, Fukuoka, Japan.

## P1-33

Laparoscopic Cholecystectomy for Severe Acute Gallstone Pancreatitis; Our Experiences at a Municipal Hospital and Review of Literatures. T Yasuda, T Aota, T Masuda, A Nozawa, T Tanaka, T Hamada, T Okuda, T Tsukazaki. Tsukazaki Hospital, Himeji, Japan.

## P1-34

Clinicopathological Features of Recurrent Intraductal Papillary Mucinous Neoplasms of Remnant Pancreases. H. Yamazaki, H. Maguchi, K. Takahashi, A. Katanuma, M. Osanai, K. Yane, T. Kin, S. Ikarashi, M. Senyo, R. Minami, and I. Sano. Center for Gastroenterology, Teine Keijinkai Hospital, Sapporo, Japan.

## P1-35

A Simplified Technique of Pancreas Transplantation Alone in a Porcine Model. H. Fonouni, M. Golriz, A. Majlesara, A. Mehrabi. Department of General, Visceral, and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany.

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## P1-36

Autophagy Inhibitors Enhance TRAIL-Induced Antitumor Effects on Human Pancreatic Cancer Cells. H. Monma,<sup>1,2</sup> N. Harashima,<sup>3</sup> Y. Hari,<sup>2,3</sup> S. Kishi,<sup>1</sup> Y. Tajima,<sup>2</sup> M. Harada<sup>3</sup>. 1Dept of Surgery, Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan; 2Dept of Surgery, Shimane University Faculty of Medicine, Shimane, Japan; 3Department of Immunology, Shimane University Faculty of Medicine, Shimane, Japan.

## P1-37

PI3K p110 $\alpha$  Regulation of RAC1 Activity is Required for the Development of Stable Metaplasia and Pancreatic Tumorigenesis. K.K. Takeuchi,<sup>1</sup> E.S. Carpenter,<sup>2</sup> C-Y.C. Wu,<sup>2</sup> R.Z. Lin,<sup>2</sup> H.C. Crawford<sup>1</sup>. 1Department of Cancer Biology, Mayo Clinic Florida, Jacksonville, FL; 2Department of Physiology and Biophysics, Stony Brook University, Stony Brook, NY.

## P1-38

Prostaglandin E2 Activates mTORC1 Pathway Through an EP Receptor/PKA-Mediated Mechanism. H. Chang and G. Eibl. Dept. of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA.

## P1-39

Long-term Outcomes of Incidental Pancreatic Cystic Neoplasms. HJ Kim,<sup>1</sup> JS Kim,<sup>1</sup> BJ Lee,<sup>1</sup> J-J Park,<sup>1</sup> HS Lee,<sup>2</sup> CD Kim,<sup>2</sup> Y-T Bak<sup>1</sup>. 1Dept of Gastroenterology, Korea University Guro Hospital, Seoul, Korea; 2Dept of Gastroenterology, Korea University Anam Hospital, Seoul, Korea.

## P1-40

Gene Expression in Blood During Increasingly Severe Cerulein-Induced Acute Pancreatitis. J. Armstrong, L. Wen, L. Rainbow, D. Latawiec, B. Lane, D. Criddle and R. Sutton. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK.

## P1-41

Surgical Outcomes of Solid Pseudopapillary Tumors of the Pancreas. L. Barreda, J. Targarona, E. Pando, L. Lopez, A. Yabar, L. Aliaga. Department of Surgery Edgardo Rebagliati Martins Hospital Lima Peru.

## P1-42

SRC-3 Targeted Nanomedicine as a Novel Therapy for Pancreatic Cancer. X. Song,<sup>1</sup> H. Chen,<sup>1</sup> A. Sizovs,<sup>1</sup> C. Zhang,<sup>1</sup> X. Liu,<sup>1</sup> D.M. Lonard,<sup>2</sup> B.W. O'Malley,<sup>2</sup> J. Wang<sup>1</sup>. 1Department of Pharmacology, 2Department of Molecular & Cellular Biology, Baylor College of Medicine, Houston, TX.

## P1-43

The Presence of Pancreatic Intraepithelial Neoplasia-3 Associated With Chronic Pancreatitis in Pancreata Resected for Pancreatic Ductal Adenocarcinoma is Associated with a Decreased Survival. J.H. Hwang,<sup>1</sup> I.K. Hwang,<sup>1</sup> H. Kim,<sup>2</sup> Y.S. Yoon<sup>3</sup> and H.S. Han.<sup>3</sup> 1Department of Internal Medicine, 2Department of Pathology, 3Department of Surgery, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Korea.

## P1-44

200 Consecutive Pancreatico-Duodenectomies with the Finnish Binding Pancreaticojejunostomy (FBPJ): The Prospective Trial Shows a Low Frequency of Pancreatic Fistula. J. Laukkarinen, I. Nordback, J. Sand. Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland.

## P1-45

Necroptosis is the Primary Mode of Caerulein- or TLCS-Induced Mouse Pancreatic Acinar Cell Death. J. Louhimo, M Steer, G Perides. Dept of Surgery, Tufts Medical Center, Boston, MA.

## P1-46

Comparing Liquid Based Cytology(cellprep) Methods with Conventional Smear Methods for EUS -FNA Cytology of Pancreas. HS Jeong,<sup>1</sup> H-C Lee,<sup>2</sup> J-H Han,<sup>1</sup> H Kim,<sup>1</sup> JT Kim,<sup>1</sup> HB Chae,<sup>1</sup> SM Park<sup>1</sup>. 1Department of Internal Medicine, 2Department of Pathology, School of Medicine and Medical Research Institute, Chungbuk National University, Cheongju, Korea.

## P1-47

Oncolytic Adenovirus for Iodine Radiotherapy and Imaging of Pancreatic Cancer. B. Eidenschink,<sup>1</sup> M. Trujillo,<sup>2</sup> J. Morris,<sup>2</sup> M. Sato,<sup>1</sup> M. Yamamoto,<sup>1</sup> J. Davydova<sup>1</sup>. 1Department of Surgery, University of Minnesota, Minneapolis, MN; 2Division of Endocrinology, Mayo Clinic, Rochester, MN.

## P1-48

Initial Change in Mesenteric Blood Flow as Studied by Pulse Doppler and Contrast-Enhanced US in Acute Pancreatitis. J. Sakagami, K. Kataoka, H. Yasuda, Y. Sogame, R. Kato, T. Doi, Y. Itoh. Department of Gastroenterology and Hepatology, Kyoto Prefectural University of Medicine, Kyoto, Japan

## P1-49

Gremlin is a Novel Mediator of Pancreatic Fibrosis in Chronic Pancreatitis. K. Liu,<sup>1</sup> Y. Cao,<sup>1,2</sup> G. Greeley, Jr,<sup>2</sup> and T.C. Ko<sup>1,2</sup>. 1Dept. of Surgery, UTHSC-H; 2UTMB, TX.

## P1-50

Quantitative Targeted Proteomics in Pancreatic Cancer: Combination of Enzyme and Efflux Transporter Protein Expression are New Indicators for Gemcitabine Sensitivity. K. Kawaguchi,<sup>1</sup> F. Motoi,<sup>1</sup> K. Fukase,<sup>1</sup> Y. Katayose,<sup>1,2</sup> M. Unno<sup>1,2</sup>. 1Department of Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan; 2Division of Integrated Surgery and Oncology, Tohoku University Graduate School of Medicine, Sendai, Japan.

## P1-51

Significance of Ductal Region in Anaplastic Pancreatic Cancer. K. Miura, K. Kimura, R. Amano, S. Yamazoe, G. Ohira, K. Nishio, M. Shibutani, K. Sakurai, H. Nagahara, T. Toyokawa, N. Kubo, H. Tanaka, K. Muguruma, H. Otani, M. Yashiro, K. Maeda, M. Ohira, K. Hirakawa. Department of Surgical Oncology, Osaka City University Graduate School of Medicine, Osaka, Japan.

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## P1-52

GSK-7975A Prevents Experimental Alcoholic Acute Pancreatitis by Blocking Store-Operated Ca<sup>2+</sup> Entry. L.Wen,<sup>1,2</sup> M.A.Javed,<sup>1,2</sup> M.Chvanov,<sup>2</sup> M.Awais,<sup>1</sup> J.Barrett,<sup>3</sup> M.Begg,<sup>3</sup> A. Tepikin,<sup>2</sup> D.N.Criddle,<sup>1,2</sup> R.Sutton<sup>1</sup>. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital; 2Department of Cellular and Molecular Physiology, University of Liverpool, Liverpool; 3Respiratory Therapy Area, GlaxoSmith-Kline, Stevenage, UK.

## P1-53

Elevated CA 19-9 in Obstructive Jaundice: True or False? L.A. Bliss,<sup>1</sup> D.K. Pleskow,<sup>2</sup> M.F. Eskander,<sup>1</sup> C.J. Yang,<sup>1</sup> R.A. Miksad,<sup>3</sup> S.C. Ng,<sup>1</sup> T.M. Berzin,<sup>2</sup> M.S. Sawhney,<sup>2</sup> R. Chuttani,<sup>2</sup> J.F. Tseng<sup>1</sup> 1Surgical Outcomes Analysis & Research, Beth Israel Deaconess Medical Center, Boston, MA; 2Division of Gastroenterology, Beth Israel Deaconess Medical Center, Boston, MA; 3Division of Hematology/Oncology, Beth Israel Deaconess Medical Center, Boston, MA.

## P1-54

Hypercalcemia and pancreatitis. Experience in a single Mexican institution. J Hernandez-Calleros,<sup>1</sup> M Janka-Zires,<sup>2</sup> P Almeda-Valdes,<sup>2</sup> LF Uscanga-Dominguez,<sup>1</sup> M Pelaez-Luna<sup>1</sup>. 1Department of Gastroenterology, Instituto Nacional de Ciencias Medicas y Nutricion, Mexico city, Mexico; 2Department of Endocrinology, Instituto Nacional de Ciencias Medicas y Nutricion.

## P1-55

Doppler Ultrasonography, Proinflammatory Cytokines and Adhesion Molecules in Acute Pancreatitis. S. Chooklin, I. Osmilovska, O. Usach, M. Shavarova. Regional Clinical Hospital, Lviv, Ukraine.

## P1-56

Validation of International Consensus Guidelines for the Resection of IPMN at Our Hospital. M. Yano, Y. Hara, H. Arihara, Y. Horita, K. Matsuda, M. Matsuda, A. Sakai, Y. Noda. Department of Internal Medicine (Gastroenterology), Toyama Prefectural Central Hospital, Toyama, Japan.

## P1-57

Routine Antibiotic Prophylaxis in Pancreatic Necrosis: Are We Done Yet? E. Psaltis,<sup>1</sup> J. Enright,<sup>2</sup> E. Villatoro,<sup>1</sup> M. Larvin.<sup>2</sup> 1 King's Mill Hospital, Mansfield, UK; 2Graduate Entry Medical School, University of Limerick, Limerick, Ireland.

## P1-58

mTOR Mediates p62/SQSTM1 Synthesis in Pancreatic Acinar Cells. M Pimienta, GE Lee, AS Gukovskaya, I Gukovsky, OA Mareninova. VA Greater Los Angeles, University of California Los Angeles, and Southern California Research Center for ALPD and Cirrhosis, Los Angeles, CA.

## P1-59

Influence of Preoperative Visceral Fat Area on Outcomes after Pancreaticoduodenectomy for Patients with Pancreatic Adenocarcinoma. M. Takahashi, Y. Kyoden, H. Kanemoto, N. Oba, M. Watanabe, K. Ohata, and M. Takagi Department of Surgery, Shizuoka General Hospital, Shizuoka, Japan.

## P1-60

Vasohibin-2 Reduces the Chemosensitivity to Gemcitabine in Pancreatic Cancer Cells via Upregulation of RRM2. M. Tu, W. Li, X. Liu, Z. Lu, J. Wei, J. Chen, F. Guo, K. Jiang, W. Gao, Y. Miao. Pancreas Center, The First Affiliated Hospital with Nanjing Medical University, Nanjing, P. R. China.

## P1-61

Clinical Characteristics of Hospitalized Acute Pancreatitis Patients in Our Hospital. M Kato, T Ito. Department of Gastroenterology, JCHO Osaka Hospital, Osaka, Japan.

## P1-62

The Clip & Wrap Method for the Stump of Gastroduodenal Artery Reduced Delayed Arterial Hemorrhage after Pancreatoduodenectomy. M. Takada, Y. Ambo, F. Nakamura, N. Kashimura. Department of Surgery, Teine Keijinkai Hospital, Sapporo, Japan.

## P1-63

Pyruvate Kinase Type M2 (PKM2) Is Selectively Expressed and Involved in Survival and Development in Pancreatic Ductal Adenocarcinoma Cells. M. Yokoyama,<sup>1</sup> R. Shibuya,<sup>1</sup> T. Shiroki,<sup>1</sup> N. Tanuma,<sup>2</sup> K. Tamai,<sup>3</sup> K. Yamaguchi,<sup>4</sup> N. Tanaka,<sup>3</sup> K. Sugamura,<sup>4</sup> K. Satoh<sup>1</sup>. 1Division of Cancer Stem Cell, 2Division of Cancer Chemotherapy, 3Division of Cancer Biology and Therapeutics, and 4Division of Molecular and Cellular Biology, Miyagi Cancer Center Research Institute. Notori, Japan.

## P1-64

Severe Acute Pancreatitis: Using a Percutaneous Drainage Protocol to Avoid Necrosectomy and Approach Zero Mortality. M. Sugimoto,<sup>1</sup> G.S. Flint,<sup>1</sup> C.J. Boyce,<sup>2</sup> J.C. Kirkham,<sup>2</sup> T.J. Harris,<sup>2</sup> S.M. Carr,<sup>2</sup> D.P. Sonntag,<sup>2</sup> B.D. Nelson,<sup>2</sup> J.G. Barton,<sup>1</sup> L.W. Traverso.<sup>1</sup> 1Center for Pancreatic and Liver Disease; 2Department of Radiology, St. Luke's Health System, Boise, ID, USA.

## P1-65

A Case of Mixed Ductal-neuroendocrine Carcinoma: Immunohistochemical Analysis for Histogenesis. M. Yamada,<sup>1</sup> M. Murata,<sup>1</sup> H. Takahashi,<sup>1</sup> K. Asai,<sup>1</sup> K. Saso,<sup>1</sup> T. Yagi,<sup>1</sup> S. Katsuyama,<sup>1</sup> H. Sawami,<sup>1</sup> O. Takayama,<sup>1</sup> N. Tanaka,<sup>1</sup> M. Baba,<sup>1</sup> M. Yamamoto,<sup>1</sup> M. Hiratsuka,<sup>1</sup> M. Song,<sup>2</sup> H. Kimura,<sup>2</sup> H. Fukuda.<sup>2</sup> 1Department of Surgery, Itami City Hospital, Itami, Hyogo, Japan; 2Department of Pathology, Itami City Hospital, Itami, Hyogo, Japan.

## P1-66

Triptolide Results in Accumulation of HIF-1 $\alpha$  but Reduces its Activity in Pancreatic Cancer. O. McGinn, S. Banerjee, A. Nomura, K. Jensen, S. Vickers, A.K. Saluja Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

## P1-67

Insulin Use Before and After Pancreatectomy in Elderly Patients with Pancreatic Adenocarcinoma. C. Y. Jeon, S. J. Pandol. Samuel Oschin Cancer Center, Cedars-Sinai Medical Center.

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## P1-68

The Oncologic and Long-term Outcomes of Laparoscopic Pancreatectomy for Pancreatic Cancer. A. Matsushita,<sup>1</sup> Y. Nakamura,<sup>1</sup> A. Katsuno,<sup>1</sup> H. Sumiyoshi,<sup>1</sup> T. Kanda,<sup>1</sup> T. Shimizu,<sup>1</sup> Y. Mizuguchi,<sup>1</sup> M. Yoshioka,<sup>1</sup> K. Yamahatu,<sup>2</sup> T. Yokoyama,<sup>3</sup> N. Taniai,<sup>1</sup> Y. Mamada,<sup>1</sup> and E. Uchida<sup>1</sup>. 1Dept of Gastrointestinal and Hepato-Biliary-Pancreatic Surgery, Nippon Medical School, Tokyo, Japan; 2Dept of Surgery, Nippon Medical School Chiba Hokusoh Hospital, Chiba, Japan; 3Dept of Surgery, Nippon Medical School, Tama Nagayama Hospital, Tokyo, Japan.

## P1-69

Fluid Collection in the Resection Area after Distal Pancreatectomy: Incidental Finding or Relevant Complication? Ch. Tjaden, U. Hinz, W. Hartwig, M. Hassenpflug, F. Fritz, S. Fritz, J. Werner, M.W Büchler, Th. Hackert. Department of Surgery, University of Heidelberg, Heidelberg, Germany.

## P1-70

Analysis of gut microbiome in KPC pancreatic tumour mice. N.Arora, K.Majumder, S.Modi, K.Jensen, S.Banerjee, A.Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota.

## P1-71

$\beta$ -catenin and MUC4 in the Pathogenesis of Pancreatic Cancer. P. Pai, S. Das, S. Rachagani, M. A. Macha and S. K. Batra, Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, Nebraska, USA.

## P1-72

Immortalized Human Stellate Cells exhibit Constitutive ERK that Promotes Cytokine Secretion and Restrains Akt. RT Waldron,<sup>1</sup> O Shauly,<sup>1</sup> A Mathison,<sup>2</sup> R Urrutia,<sup>2</sup> A Lugea,<sup>1</sup> SJ Pandolfi. <sup>1</sup>Cedars-Sinai Medical Center, VAGLAHS-UCLA, Los Angeles and <sup>2</sup>Mayo Clinic, Rochester.

## P1-73

Laparoscopic Versus Open Distal Pancreatectomy for the Treatment of Pre-malignant and Malignant Lesions. J. Barrie,<sup>1</sup> R. Deshpande,<sup>1</sup> D. O'Reilly,<sup>1</sup> N. De Liguori Carino,<sup>1</sup> B.J. Ammori<sup>2</sup>. <sup>1</sup>Department of Hepatopancreatobiliary Surgery, North Manchester General Hospital, Manchester, UK; <sup>2</sup>The University of Manchester, Manchester, UK.

## P1-74

Optical Method for Minimally Invasive Detection of Chronic Pancreatitis. R.H. Wilson,<sup>1</sup> J.M. Scheiman,<sup>2</sup> M. Chandra,<sup>1</sup> W.R. Lloyd,<sup>1</sup> L.-C. Chen,<sup>1</sup> S.Y. Lee,<sup>1</sup> O.E. Lee,<sup>3</sup> J.M.G. Taylor,<sup>3</sup> D. Simeone,<sup>4</sup> B. McKenna,<sup>5</sup> and M.-A. Mycek<sup>1</sup>. <sup>1</sup>Dept. of Biomedical Engineering; <sup>2</sup>Dept. of Internal Medicine, Div. of Gastroenterology; <sup>3</sup>Dept. of Biostatistics; <sup>4</sup>Dept. of Surgery; <sup>5</sup>Dept. of Pathology; Univ. of Michigan, Ann Arbor, MI.

## P1-75

Locally Advanced Cancer of the Pancreatic Tail Adjacent to Malignant Lymphoma of the Spleen. S. Shirakawa,<sup>1</sup> D. Lee,<sup>1</sup> S. Tsuchida,<sup>1</sup> and K. Teramura<sup>2</sup>. <sup>1</sup>Department of Surgery and <sup>2</sup>Pathology, Yodogawa Christian Hospital, Osaka, Japan.

## P1-76

Smad4 is Associated with Differentiation of Pancreatic Ductal Adenocarcinomas. S. Izumi, S. Ichihara, T. Kubo, H. Ohtani, M. Yano, N. Tanaka, R. Ohashi, Y. Onoda, I. Suzuka. Department of Gastroenterological Surgery, Kagawa Prefectural Central Hospital.

## P1-77

Quality of Life in Smokers with Chronic Pancreatitis. S. Han, J. Kheder, L. Bocelli, A. Wachholtz, W. Wassef. Department of Gastroenterology, University of Massachusetts Medical School, Worcester, MA.

## P1-78

Flavokawain B, a Kava Chalcone, Inhibits Growth of Human Pancreatic Cancer Cells Through G2/M Cell Cycle Arrest and Apoptosis. SH. Lee,<sup>1</sup> JM. Lee,<sup>2</sup> KH. Chung,<sup>1</sup> BS. Lee,<sup>1</sup> WH. Paik,<sup>3</sup> DW. Ahn,<sup>4</sup> JK. Ryu,<sup>1</sup> YT. Kim<sup>1</sup>. <sup>1</sup>Departments of Internal Medicine, Seoul National University Hospital, Seoul, Korea; <sup>2</sup>Department of Internal Medicine, Myongji Hospital, Goyang, Korea; <sup>3</sup>Department of Internal Medicine, Inje University Ilsan Paik Hospital, Goyang, Korea; <sup>4</sup>Department of Internal Medicine, Seoul National University Boramae Medical Center, Seoul, Korea.

## P1-79

Dissecting the Role of Hedgehog Signalling in the Interaction between Pancreatic Stellate Cells and Pancreatic Tumour Cells using 2D and 3D Modelling. S. Brumskill,<sup>1,2,4</sup> L. Barrera,<sup>1</sup> F. Campbell,<sup>3</sup> C. Halloran,<sup>1,2</sup> W. Greenhalf,<sup>1,2</sup> M.-A. Campbell,<sup>4</sup> E. Costello<sup>1,2</sup>. <sup>1</sup>Liverpool NWCR Centre, Molecular and Clinical Cancer Medicine; <sup>2</sup>NIHR Pancreas Biomedical Research Unit; <sup>3</sup>Department of Pathology, Royal Liverpool University Hospital, UK ; <sup>4</sup>Redx Oncology, UK.

## P1-80

Pancreatic Cystic Lesions Referred for Surgery Based on EUS Criteria: Correlation with Surgical Pathology. S Munigala, S B Javia, M Mehra and B Agarwal. Division of Gastroenterology and Hepatology, Saint Louis University School of Medicine, Saint Louis, MO, United States.

## P1-81

The VAMP8-Mediated ZG Secretory Pathway Plays a Key Role in Intracellular Trypsin Activation During Acinar Pancreatitis. SW Messenger, EK Jones, DDH Thomas, GE Groblewski. University of Wisconsin, Madison.

## P1-82

Preoperative CA19-9 is a Predictive Value for Early Recurrence After Resection of Pancreatic Adenocarcinoma. K.Suzumura, Y. Asano, H. Kosaka, Y. Iimuro, T. Hirano, T. Okada, N. Uyama, I. Nakamura, Y. Kondo, S. Hai, H. Sueoka, A. Yada, K. Ohashi, T. Okamoto, A. Kurimoto and J.Fujimoto Department of Surgery, Hyogo College of Medicine, Hyogo, Japan.

## P1-83

Selective Utilization of ERCP for Gallstone Pancreatitis in the Era of Endoscopic Ultrasound. S.M. Park, J.G. Park, K.B. Kim, J.Y. Lee, M.J. Kim, J.-H. Han, S.M. Yoon, H.B. Chae, S.J. Youn. Department of Internal medicine, Chungbuk National University College of Medicine, Cheongju, Korea.

# POSTER SESSIONS - THURSDAY

## P1-84

Vitamin A-Binding Liposome Containing Heat Shock Protein 47 siRNA Regulates Pancreatic Regeneration. S Ota<sup>1,2</sup>, T Mizuguchi<sup>1</sup>, M Nishimura<sup>2</sup>, M Ishi<sup>1</sup>, K Okita<sup>1</sup>, T Nishidate<sup>1</sup>, T Nobuoka<sup>1</sup>, Y Kimura<sup>1</sup>, Y Niitsu<sup>2</sup>, K Hirata<sup>1</sup>. Dept. of Surgery<sup>1</sup> and Molecular Target 2, Sapporo Medical University.

## P1-85

Prognostic significance of preoperative neutrophil-to-lymphocyte ratio in pancreatic cancer. S. Suzuki,<sup>1</sup> Y. Goto,<sup>1</sup> H. Kajiyama,<sup>1</sup> A Takemura,<sup>1</sup> S. Konishi,<sup>1</sup> J. Shimazaki,<sup>1</sup> G. Motohashi,<sup>1</sup> T. Nakachi,<sup>1</sup> T. Tabuchi,<sup>1</sup> K. Nishida,<sup>1</sup> H. Ubukata,<sup>1</sup> T. Tabuchi,<sup>1</sup> N. Harada<sup>2</sup>. 1Department of Gastroenterological Surgery, Ibaraki medical center, Tokyo Medical University, Ibaraki, Japan; 2Hachioji Digestive Disease Hospital, Tokyo, Japan.

## P1-86

Morphology-Based Pancreas Head Resection for Pancreas Tumors with Circumportal Pancreas. S. Takahata, Y. Miyasaka, D. Yamada, T. Ohtsuka, M. Tanaka. Department of Surgery and Oncology, Kyushu University, Fukuoka, Japan.

## P1-87

Profilin-1 Suppresses Tumorigenicity in Pancreatic Cancer Through A Novel SIRT3-HIF1 $\alpha$  Axis. S.R. Ji,<sup>1,2,3</sup> W.T. Yao,<sup>1,2,3</sup> Y. Qin,<sup>1,2,3</sup> J.X. Yang,<sup>4</sup> J. Xu,<sup>1,2,3</sup> B. Zhang,<sup>1,2,3</sup> W.Y. Xu,<sup>1,2,3</sup> J. Liu,<sup>1,2,3</sup> S. Shi,<sup>1,2,3</sup> Q.X. N,<sup>1,2,3</sup> M. Li,<sup>1,4</sup> and X.J. Yu<sup>1,2,3</sup> 1Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; 2Department of Oncology, Shanghai Medical College, Fudan University; 3Pancreatic Cancer Institute, Fudan University, Shanghai 200032, P.R. China; 4The Vivian L. Smith Department of Neurosurgery, The University of Texas Medical School at Houston, Houston, Texas, USA

## P1-88

Epigenetic Silencing Of GNMT Gene In Pancreatic Adenocarcinoma. A. Botezatu,<sup>1</sup> C. Bleotu,<sup>1</sup> A. Nastase,<sup>2</sup> G. Anton,<sup>1</sup> N. Bacalbasa,<sup>3</sup> D. Duda,<sup>4</sup> S.O. Dima,<sup>2</sup> I. Popescu<sup>2</sup>. 1Viral Genetic Engineering Laboratory, Romanian Academy "Stefan S. Nicolau" Virology Institute, Bucharest, Romania; 2Center of General Surgery and Liver Transplantation „ Dan Setlacec”, Fundeni Clinical Institute, Bucharest, Romania; 3Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania; 4Edwin L. Steele Laboratory for Tumor Biology, Department of Radiation Oncology, Harvard Medical School, Boston, USA.

## P1-89

Data from Over 1,000 Patients Support the Inclusion of Chymotrypsin C (CTRC) Gene Testing and the Exclusion of Cystic Fibrosis Transmembrane Regulatory (CFTR) Gross Deletion and/or Duplications. SB Keiles, E Chao. Ambray Genetics, Aliso Viejo, CA.

## P1-90

Minor Endoscopic Sphincterotomy to Prevent Post-ERCP Pancreatitis Before SEMS Insertion for Malignant Biliary Obstruction. S.J. Kim,<sup>1</sup> D.H. Kang,<sup>2</sup> H.W. Kim,<sup>1</sup> C.W. Choi,<sup>1</sup> S.B. Park,<sup>1</sup> B.J. Song,<sup>1</sup> Y.S. Shin.<sup>1</sup> 1Department of Internal Medicine, Pusan National University Yangsan Hospital, Yangsan, South Korea; 2Department of Internal Medicine, Pusan National University Hospital, Busan, South Korea.

## P1-91

Natural Course and outcomes for suspected pancreatic cystic tumours of the pancreas. S. Sanyal,<sup>1</sup> A. Siriwardena,<sup>1</sup> R.J. Byers<sup>2</sup>. 1Department of Hepatopancreatobiliary Surgery; 2Department of Pathology, Manchester Royal Infirmary, Manchester, UK.

## P1-92

Distinct Survival Outcomes in Patients with Invasive IPMN and MCN. T.B. Tran, D.J. Worhunsky, M.M. Dua, G.A. Poultides, B.C. Visser. Department of General Surgery, Stanford Hospital and Clinics, Stanford, CA.

## P1-93

Whole Exome Sequencing Uncovered Unexpected Recurrent Mutations in BRCA2 and FAT in Pancreatic Acinar Cell Carcinoma. T. Furukawa,<sup>1</sup> M. Ameri,<sup>1</sup> H. Sakamoto,<sup>1,5</sup> Y. Kuboki,<sup>1,3</sup> T. Hatori,<sup>2</sup> M. Yamamoto,<sup>2</sup> M. Sugiyama,<sup>5</sup> N. Ohike,<sup>6</sup> H. Yamaguchi,<sup>7</sup> M. Shimizu,<sup>7</sup> N. Shibata,<sup>4</sup> K. Shimizu,<sup>3</sup> and K. Shiratori<sup>3</sup>. 1Institute for Integrated Medical Sciences and 2Depts of Gastroenterological Surgery, 3Gastroenterology, and 4Pathology, Tokyo Women's Medical University, Tokyo, Japan; 5Dept of Surgery, Kyorin University School of Medicine, Mitaka, Japan; 6Dept of Pathology, Showa University School of Medicine, Tokyo, Japan; and 7Dept of Pathology, Saitama Medical University International Medical Center, Hidaka, Japan.

## P1-94

Reduction of the Incidence of Delayed Gastric Emptying in Side-to-Side Gastrojejunostomy in Subtotal Stomach- Preserving Pancreaticoduodenectomy. T Nakamura,<sup>1</sup> Y Ambo,<sup>2</sup> M Takada,<sup>2</sup> F Nakamura,<sup>2</sup> N Kashimura,<sup>2</sup> S Hirano<sup>1</sup>. 1Department of Gastroenterological Surgery II, Hokkaido University Graduate School of Medicine, Sapporo, Japan; 2Department of Surgery, Teine-Keijinkai Hospital, Teine-ku, Sapporo, Japan.

## P1-95

Small Bowel Obstruction from Pancreatic Cancer: Beyond the duodenum. T. Kachaamy, M. Kundranda, J. Weber. GI Oncology, Cancer Treatment Centers of America, Goodyear, Arizona, USA.

## P1-96

Tumor-Stromal Co-dependencies as Actionable Targets in Pancreatic Cancer. V Sangwan,<sup>1,2</sup> S Ricoult,<sup>5</sup> D Juncker,<sup>5</sup> A Saluja,<sup>6</sup> B Haibe-Kains,<sup>7</sup> M Park<sup>1,2,3,4</sup>. 1Goodman Cancer Research Center; 2Departments of Oncology, 3Medicine, 4Biochemistry, 5Biomedical Engineering, McGill University, Montreal, Quebec, Canada; 6Department of Surgery, University of Minnesota, Minneapolis, MN, USA; 7Department of Medical Biophysics, University of Toronto, Ontario, Canada.

## P1-97

Relationship Between Body Mass Index and Severity of Acute Pancreatitis in Japanese Patients. W. Yoshioka, T. Akiyama, K. Tanaka, T. Kumagai, Y. Kawaguchi, S. Kawazoe. Department of Hepatobiliary and Pancreatology, Saga-ken Medical Centre Koseikan, Saga, Japan.



# POSTER SESSIONS - THURSDAY

## P1-98

Effects of a Mitochondrial-Targeted Antioxidant Mitoquinone (MitoQ) in Murine Experimental Acute Pancreatitis (AP). W. Huang,<sup>1,2,3</sup> N. Cash,<sup>2</sup> L. Wen,<sup>1,3</sup> P. Szatmary,<sup>1,2</sup> J. Armstrong,<sup>1</sup> M. Chvanov,<sup>2</sup> A. Tepikin,<sup>2</sup> M.P. Murphy,<sup>4</sup> R. Sutton,<sup>1</sup> D.N. Criddle<sup>1,2</sup>. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, and 2Department of Cellular and Molecular Physiology, University of Liverpool, UK; 3Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, China; 4MRC Mitochondrial Biology Unit, Cambridge, UK.

## P1-99

PRMT5 Inhibits rRNA Transcription in PDAC Under Oxidative Stress. W Xu, B Zhang, Y Qin, J Liu, S Ji, S Shi, J Long, C Liu, L Liu, J Xu, X Yu. Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University, Pancreatic Cancer Institute, Fudan University, Shanghai, P.R. China.

## P1-100

ZIP4 Sensitizes Pancreatic Cancer to Chemotherapy. X Cui,<sup>1,2</sup> Y Zhang,<sup>3</sup> J Yang,<sup>2</sup> L Jiang,<sup>4</sup> P Cen,<sup>5</sup> L Zheng,<sup>6</sup> X Yu,<sup>1</sup> and M Li<sup>2\*</sup>. 1Department of Pancreas & Hepatobiliary Surgery, Pancreatic Cancer Institute, Shanghai Cancer Center, Fudan University, Shanghai, China; 2The Vivian L. Smith Department of Neurosurgery, the University of Texas Medical School at Houston, Houston, Texas; 3Department of Cancer Biology, UT MD Anderson Cancer Center, Houston, TX; 4 Dept of Pathology and Laboratory Medicine, Mayo Clinic, Jacksonville, FL; 5Dept of Internal Medicine, UT Medical School, Houston, Texas; 6The Sidney Kimmel Comprehensive Cancer Center and Department of Oncology, Johns Hopkins University School of Medicine, Baltimore, MD, USA.

## P1-101

EUS-assisted Cholangiopancreatography Reduces Post-ERCP. Y Tada,<sup>1</sup> K Yoshida,<sup>2</sup> T Iwao<sup>1</sup>. 1Div. Gastroenterology, Aizu Central Hospital, 2Div. Interventional Biliopancreatography, Kawasaki Medical School.

## P1-102

Inferior Mesenteric Vein Serves as an Alternative Guide for Transection of the Pancreatic Body During Pancreaticoduodenectomy with Concomitant Vascular Resection: a Comparative Study Evaluating Perioperative Outcomes. Y Chen, X Wang, N Ke, X Liu, G Mai. Department of Hepatobiliarypancreatic Surgery, West China Hospital, Sichuan University, Chengdu, China.

## P1-103

Endoscopic Management of Severe Necrotizing Pancreatitis Combined with Colonic Fistula. Y.D. Cho, S.W. Cha, H.J. Choi, J.H. Moon. Digestive Disease Center, Department of Internal Medicine, Soon Chun Hyang University College of Medicine, Seoul, Korea.

## P1-104

A Case of Chronic Pancreatitis in Child with the Point Mutation in SPINK1. Y Sasaki, H Nagata, T Shinkai, S Nakada, Y Shinzato, T Tamae, K Maeshiro. Okinawa Chubu Okusyukai Hospital, Okinawa, Japan.

## P1-105

Enucleation of Proximal Pancreatic Neoplasms: Indication and Outcome Compared to Standard Resections. M Ye, W Lu, B Xu, D Wu, Y Wu. Department of Surgery, Second Affiliated Hospital of Zhejiang University, Hangzhou, P.R. China.

## P1-106

Important Considerations in Mouse L-Arginine-Induced Acute Pancreatitis. Z. Rakonczay Jr,<sup>1</sup> B. Kui,<sup>1</sup> Z. Balla,<sup>1</sup> E.S. Kormányos,<sup>1</sup> B. Vasas,<sup>2</sup> B. Iványi,<sup>2</sup> T. Takács,<sup>1</sup> P. Hegyi<sup>1</sup>. 1First Department of Medicine; 2Department of Pathology, University of Szeged, Szeged, Hungary.

## P1-107

Pancreatic Injury is Attenuated by Inhibition of Different Members of Nuclear Factor Kappa B Pathway. Z. Yuan, U. Barlass, S.K. Garg, A.K. Dixit, A. Bekolay, R.K. Dawra, A.K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN, USA.

## P1-108

18F-FDG PET/CT Can Be Used to Detect Non-functioning Pancreatic Neuroendocrine Tumors. G. Luo,<sup>1,2</sup> X. Yu,<sup>1,2</sup> J. Long<sup>1,2</sup>. 1Department of Pancreatic&Hepatobiliary Surgery, Shanghai Cancer Center, Fudan University, Shanghai, China; 2Pancreatic Cancer Institute, Fudan University, Shanghai, China.

## P1-109

The Diagnosis and Surgical Treatment for Pancreatic Cystic Lesions. J. Chen, J. Wu, Z. Lu, K. Jiang, W. Gao, F. Guo, J. Wei, Y. Miao. Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China.

## P1-110

Design and Synthesis of Novel PEGylated Star Nanoparticles as Delivery Agents for Short-Interfering RNA (siRNA) to Pancreatic Cancer Cells. J. Teo,<sup>1,2,3</sup> C. Boyer,<sup>2</sup> G. Sharbeen,<sup>1</sup> S. Sagnella,<sup>2,3</sup> J. Liu,<sup>1</sup> J. Youkhana,<sup>1</sup> H.T. Duong,<sup>2</sup> D. Goldstein,<sup>1</sup> T. P. Davis,<sup>3</sup> M. Kavallaris,<sup>2,3</sup> J. McCarroll,<sup>2,3\*</sup> and P.A. Phillips<sup>1\*</sup>. \* Equal authors. 1Pancreatic Cancer Translational Research Group, Lowy Cancer Research Centre, UNSW Australia (University of New South Wales, UNSW), Sydney, Australia; 2Australian Centre for Nanomedicine and 3Children's Cancer Institute, UNSW; 3Monash Institute of Pharmaceutical Sciences, Monash University, Melbourne, Australia.

## P1-111

Categorizing the Resection Plane in Neck of the Pancreas. N. Fard,<sup>1\*</sup> A. Strauss,<sup>2\*</sup> M. Birdsey,<sup>2</sup> Ch. Weis,<sup>2</sup> G. Emami,<sup>1</sup> A. Mehrabi,<sup>1</sup> L. Grenacher<sup>2</sup>. 1Department of general, visceral and transplantation surgery, University of Heidelberg, Heidelberg, Germany; 2Department of diagnostic and Interventional Radiology, University of Heidelberg, Heidelberg, Germany; \*Equally contributed authors.

## P1-112

A Novel Human Specific lncRNA SZP1 Regulates Components of Polycomb Repressor Complex in Pancreatic Cancer. P.B. Hajeri,<sup>1</sup> W-O Lui,<sup>2</sup> S Subramanian<sup>1</sup>. 1Department of Surgery, University of Minnesota, Minneapolis, USA; 2Department of Molecular Genetics, Karolinska Institute, Sweden.

# POSTER SESSIONS - THURSDAY/FRIDAY

## P1-113

Factors Associated with Failure in Endoscopic Treatment of Pancreatolithiasis. K. Inui, J. Yoshino, S. Yamamoto, H. Miyoshi, T. Kobayashi, Y. Katano. Department of Gastroenterology, Fujita Health University, Second Teaching Hospital, Nagoya, Japan.

## P1-114

Pulmonary Embolism after Laparoscopic Distal Pancreatectomy: Report of a Case. T Goto,<sup>1</sup> I Matsumoto,<sup>2</sup> M Shinzeki,<sup>3</sup> H Toyama,<sup>1</sup> S Asari,<sup>1</sup> HKinoshita,<sup>1</sup> T Matsumoto,<sup>1</sup> K Kuramitsu,<sup>1</sup> M Tanaka,<sup>1</sup> M Kido,<sup>1</sup> T Ajiki,<sup>1</sup> T Fukumoto,<sup>1</sup> and Y Ku<sup>1</sup>. <sup>1</sup>Division of Hepato-Biliary-Pancreatic Surgery, Department of Surgery, Kobe University Graduate School of Medical Sciences, Kobe, Japan; <sup>2</sup> Department of Surgery, Kinki University Hospital, Osaka, Japan; <sup>3</sup>Department of Surgery, Saiseikai Nakatsu Hospital, Osaka, Japan.

## P1-115

Short-Term and Long-Term Outcomes after Pancreaticoduodenectomy Using Pair-Watch Suturing Technique According To Remnant Pancreas Volume. Y. Iizawa, Y. Azumi, H. Kato, A. Tanemura, Y. Murata, N. Kuriyama, M. Kishiwada, S. Mizuno, M. Usui, H. Sakurai, S. Isaji. Department of Hepatobiliary Pancreatic and Transplant Surgery, Mie University Graduate School of Medicine, 2-174 Edobashi, Tsu, Mie 514-8507, Japan.

## P1-116

Diagnosis and Surgical Management of Insulinoma: A Single Institutional Experience. J. Wei, <sup>1</sup> J. Wu,<sup>1</sup> X. Liu,<sup>1</sup> W. Xu,<sup>1</sup> W. Gao,<sup>1</sup> Q. Li, <sup>1</sup> K. Jiang,<sup>1</sup> C. Dai,<sup>1</sup> Z. Zhang,<sup>2</sup> Y. Miao<sup>1</sup>. <sup>1</sup>Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China; <sup>2</sup> Department of Pathology, the First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China.

## P1-117

Diagnostic Value of a Pancreatic Mass on Computed Tomography in Patients Undergoing Pancreaticoduodenectomy for Presumed Pancreatic Cancer. A. Gerritsen,<sup>1,2</sup> T. Bollen,<sup>3</sup> C. Nio,<sup>4</sup> Q. Molenaar,<sup>1</sup> M. Dijkgraaf,<sup>5</sup> H. van Santvoort,<sup>1</sup> J. Offerhaus,<sup>6</sup> L. Brosens,<sup>7</sup> K. Biermann,<sup>8</sup> E. Sieders,<sup>9</sup> K. de Jong,<sup>9</sup> R. van Dam,<sup>10</sup> E. van der Harst,<sup>11</sup> H. van Goor,<sup>12</sup> B. van Ramshorst,<sup>13</sup> B. Bonsing,<sup>14</sup> I. de Hingh,<sup>15</sup> M. Gerhards,<sup>16</sup> C. van Eijck,<sup>17</sup> D. Gouma,<sup>2</sup> I. Borel Rinkes,<sup>1</sup> O. Busch,<sup>2</sup> M. Besselink,<sup>2</sup> for the Dutch Pancreatic Cancer Group. Dept of Surgery, <sup>1</sup>University Medical Center Utrecht, <sup>2</sup>Academic Medical Center Amsterdam, <sup>9</sup>University Medical Center Groningen, <sup>10</sup>Maastricht University Medical Center, <sup>11</sup>Maasstad Ziekenhuis Rotterdam, <sup>12</sup>Radboud University Medical Centre Nijmegen, <sup>13</sup>St. Antonius hospital Nieuwegein, <sup>14</sup>Leiden University Medical Center, <sup>15</sup>Catharina hospital Eindhoven, <sup>16</sup>OLVG Amsterdam, <sup>17</sup>Erasmus Medical Center Rotterdam Dept of Radiology, <sup>3</sup>St. Antonius hospital Nieuwegein, <sup>4</sup>Academic Medical Center Amsterdam, <sup>5</sup>Clinical Research Unit, Academic Medical Center Amsterdam Dept of Pathology, <sup>6</sup>University Medical Center Utrecht, <sup>7</sup>Academic Medical Center Amsterdam, <sup>8</sup>Erasmus Medical Center Rotterdam, The Netherlands.

## P1-118

Long Term Results of Combined ESWL and ERCP Treatment of Chronic Calcific Pancreatitis. T. Korpela, M. Udd, A. Tenca, O. Lindstrom, J. Halttunen, L. Kylanpaa. Helsinki University Hospital, Helsinki, Finland.

## P1-119

Treatment Strategy for Patients with SMA Plexus Invasion on Preoperative CT Diagnosis in Pancreatic Head Cancer. A. Shimizu, M. Tani, M. Kawai, S. Hirono, K. Okada, M. Miyazawa, Y. Kitahata, and H. Yamaue. Second Department of Surgery, School of Medicine, Wakayama Medical University, Wakayama, Japan.

## P1-120

Inactivation of the Aurka-HP1γ-G9a Pathway Synergistically Inhibits PDAC Cell Growth by Triggering Cell Death via Mitotic Catastrophe. A. Mathison, M. Williams, R. Urrutia, G. Lomber. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Mayo Clinic, Rochester, MN.

## FRIDAY, NOVEMBER 7

### 7:00 AM - 6:30 PM POSTER SESSION 2

COURTYARD: P2-1 TO P2-32

LEHUA/HAU ROOM: P2-33 TO P2-72

BREEZEWAY: P2-73 TO P2-121

Posters P2-1:11 Posters of Distinction

## P2-1

### Best of EPC: Basic Science (Tie)

CFTR Loss of Function after Alcohol Consumption and in Alcoholic Pancreatitis. J Maléth,<sup>1</sup> P Pallagi,<sup>1</sup> LV Kemény,<sup>1</sup> Z Balla,<sup>1</sup> B Kui,<sup>1</sup> A Balázs,<sup>1</sup> L Judák,<sup>2</sup> I Németh,<sup>3</sup> Z Rakonczay,<sup>1</sup> V Venglovecz,<sup>2</sup> I Földesi,<sup>4</sup> Á Somorác,<sup>5</sup> K Borka,<sup>5</sup> D Perdomo,<sup>6</sup> GL Lukacs,<sup>6</sup> MA Gray,<sup>7</sup> S Monterisi,<sup>8</sup> M Zaccolo,<sup>8</sup> MM Lerch,<sup>9</sup> M Sahin-Tóth,<sup>10</sup> P Hegyi<sup>11</sup>. <sup>1</sup>First Dept. of Medicine, University of Szeged, Hungary; <sup>2</sup>Department of Pharmacology and Pharmacotherapy, University of Szeged, Hungary; <sup>3</sup>Department of Dermatology and Allergology, University of Szeged, Hungary; <sup>4</sup>Department of Laboratory Medicine, University of Szeged, Hungary; <sup>5</sup>2nd Department of Pathology, Semmelweis University, Budapest, Hungary; <sup>6</sup>Department of Physiology McGill University, Montréal, Canada; <sup>7</sup>Institute for Cell & Molecular Biosciences, Newcastle University, Newcastle upon Tyne, United Kingdom; <sup>8</sup>Department of Physiology, Anatomy and Genetics, Oxford University, Oxford, United Kingdom; <sup>9</sup>Department of Medicine A, University Medicine Greifswald, Greifswald, Germany; <sup>10</sup>Department of Molecular and Cell Biology, Boston University Henry M. Goldman School of Dental Medicine, Boston, United States; <sup>11</sup>MTA-SZTE Translational Gastroenterology Research Group, Szeged, Hungary.

# POSTER SESSIONS - FRIDAY

- P2-2**  
CCK-mediated ERK Activation is Required for Pancreatic Regeneration After Pancreatitis. BJ Holtz,<sup>1</sup> JA Williams<sup>1,2</sup>. <sup>1</sup>Departments of Physiology and <sup>2</sup>Internal Medicine, University of Michigan Ann Arbor, MI.
- P2-3**  
Laparoscopic Total Pancreatectomy with Islet Autotransplantation (TP-IAT) Reduces Post-Operative Gastrointestinal Dysmotility and Length of Hospital Stay Compared to Open TP-IAT. G. K. John, V. K. Singh, M. Makary, K. Hirose, N. Desai, C. Walsh, R. Kalyani, E. Hall, D. Warren, P. J. Pasricha, E. M. Stein. Pancreatitis Center, Johns Hopkins Medical Institutions, Baltimore, MD.
- P2-4**  
Phase I Clinical Trial Using Peptide Vaccine for Human Vascular Endothelial Growth Factor Receptor 2 in Combination with Gemcitabine for Patients with Advanced Pancreatic Cancer. M. Miyazawa, M. Tani, M. Kawai, S. Hirono, K. Okada, A. Shimizu, Y. Kitahata, H. Yamaue. Second Department of Surgery, Wakayama Medical University, School of Medicine, Wakayama, Japan.
- P2-5**  
Obstructive Jaundice in Autoimmune Pancreatitis Can Be Safely Treated with Corticosteroids Alone without Biliary Stenting. P Hart, Y Bi, JE Clain, MB Farnell, FC Gleeson, ML Kendrick, R Law, MJ Levy, RK Pearson, BT Petersen, LD Pisney, TC Smyrk, N Takahashi, MD Topazian, SS Vege, ST Chari. Division of Gastroenterology and Hepatology, Mayo Clinic Rochester, MN.
- P2-6**  
PPPD is not Inferior to SSPPD in Postoperative Oral Intake; Propensity Score Matching Analysis on 154 Consecutive Patients Who Underwent Pancreaticoduodenectomy. T. Ito, Y. Kimura, M. Imamura, T. Kyuno, T. Nobuoka, K. Hirata. Department of Surgery. Surgical Oncology and Science. Sapporo Medical University, Sapporo, Japan.
- P2-7**  
Simvastatin is Associated with Improved Survival in Patients Undergoing Resection for Pancreatic Cancer. J.I. Chang,<sup>1</sup> C.Y. Jeon,<sup>2</sup> S.J. Pandol,<sup>2</sup> B.U. Wu.<sup>3</sup> <sup>1</sup>Department of Internal Medicine, Kaiser Permanente Los Angeles, CA; <sup>2</sup>Basic and Translational Pancreatic Research, Cedars Sinai Medical Center, Los Angeles, CA; <sup>3</sup>Center for Pancreatic Care, Division of Gastroenterology, Kaiser Permanente Los Angeles, CA.
- P2-8**  
Comparison of the International Consensus Guidelines for Management of Intraductal Papillary Mucinous Neoplasm (IPMN) with Analysis of Pancreatic Cyst Fluid Aspirates for mAb Das-1 Reactivity in Identifying High-risk and Malignant IPMN. K.K. Das,<sup>1</sup> G. Marchegiani,<sup>2</sup> X. Geng,<sup>3</sup> H. Xiao,<sup>4</sup> T. Huynh,<sup>4</sup> C. Fernandez-del Castillo,<sup>2</sup> M.B. Pitman,<sup>4</sup> K.M. Das,<sup>3</sup> and M. Mino-Kenudson.<sup>4</sup> <sup>1</sup>Div of Gastroenterology, University of Pennsylvania, Philadelphia, PA; Dept of <sup>2</sup>Surgery & <sup>4</sup>Pathology, Massachusetts General Hospital, Boston, MA; <sup>3</sup>Div of Gastroenterology, Rutgers-RWJMS, New Brunswick, NJ.
- P2-9**  
Can hENT1 Expression in EUS-FNAB Samples be the Prognostic Factor of Pancreatic Ductal Adenocarcinoma before Gemcitabine-based Chemoradiotherapy? R. Yamada,<sup>1</sup> S. Mizuno,<sup>2</sup> H. Inoue,<sup>1</sup> Y. Murata,<sup>2</sup> N. Kuriyama,<sup>2</sup> Y. Azumi,<sup>2</sup> M. Kishiwada,<sup>2</sup> M. Usui,<sup>2</sup> Y. Sakurai,<sup>2</sup> S. Isaji.<sup>2</sup> Department of <sup>1</sup>Gastroenterology and Hepatology, <sup>2</sup>Department of Surgery, Mie University, Japan
- P2-10**  
Combination of HDAC1 and GSK-3 $\beta$  Inhibition as a Treatment Strategy for Pancreatic Cancer. M. Edderkaoui,<sup>1,2</sup> C. Chheda,<sup>1</sup> S. Xu,<sup>2</sup> D. Principe,<sup>3</sup> P. Grippo,<sup>3</sup> H. Benhaddou,<sup>1,4</sup> M. Bourhim,<sup>4</sup> A. Habtezion,<sup>5</sup> Y. Dale,<sup>6</sup> K. Pinkerton,<sup>6</sup> S. Pandol<sup>1,2</sup>. <sup>1</sup>Cedars-Sinai Medical Center, <sup>2</sup>UCLA, and Department of VA, Los Angeles, CA; <sup>3</sup>University of Chicago Illinois, Chicago, IL; <sup>4</sup>University of Fez, Morocco; <sup>5</sup>Stanford University, Stanford, CA; <sup>6</sup>UC-Davis, Davis, CA.
- P2-11**  
Validation of a Nomogram for Predicting the Probability of Carcinoma in Patients with Intraductal Papillary-Mucinous Neoplasm in 180 Pancreatic Resection Patients at 3 High Volume Centers. Y. Shimizu,<sup>1</sup> H. Yamaue,<sup>2</sup> H. Maguchi,<sup>3</sup> K. Yamao,<sup>4</sup> S. Hirono,<sup>2</sup> M. Osanai,<sup>3</sup> S. Hijioka,<sup>4</sup> Y. Kanemitsu,<sup>5</sup> T. Sano,<sup>1</sup> Y. Senda,<sup>1</sup> V. Bhatia,<sup>6</sup> A. Yanagisawa<sup>7</sup>. <sup>1</sup>Department of Gastroenterological Surgery, Aichi Cancer Center Hospital, Nagoya, Japan; <sup>2</sup>The Second Department of Surgery, Wakayama Medical University, School of Medicine, Wakayama, Japan; <sup>3</sup>Center for Gastroenterology, Teine-Keijinkai Hospital, Sapporo, Japan; <sup>4</sup>Department of Gastroenterology, Aichi Cancer Center Hospital, Nagoya, Japan; <sup>5</sup>Colorectal Surgery Division, National Cancer Center Hospital, Tokyo, Japan; <sup>6</sup>Department of Medical Hepatology, Institute of Liver and Biliary Sciences, Delhi, India; <sup>7</sup>Department of Pathology, Kyoto Prefectural University of Medicine, Kyoto, Japan.

# POSTER SESSIONS - FRIDAY

## P2-12

Etiological Distribution of Pancreatic Cystic Lesions Identified on CT/ MRI Using EUS. S Munigala, S B Javia and B Agarwal. Division of Gastroenterology and Hepatology, Saint Louis University School of Medicine, Saint Louis, MO, United States.

## P2-13

Gallstone Disease and Risk of Digestive and Non-Digestive System Cancers: A Retrospective, Population-Based, Veterans Administration Study. S. Munigala, B. Agarwal. Department of Internal Medicine, Division of Gastroenterology and Hepatology, Saint Louis University.

## P2-14

Acute Pancreatitis (AP) Incidence Is Increasing, But AP-Related Population Mortality Remains Constant. S Munigala,<sup>1</sup> D Yadav<sup>2</sup>. Divisions of Gastroenterology, <sup>1</sup>St. Louis University, St. Louis, MO; <sup>2</sup>University of Pittsburgh, Pittsburgh, PA.

## P2-15

Comparative Study on the Clinicopathological Effect Between Gemcitabine-Based and S-1/Gemcitabine-Based Chemoradiotherapy for Locally Advanced Pancreatic Ductal Adenocarcinoma. M.Kishiwada, H.Kato, Y.Murata, A. Tanemura, N. Kuriyama, Y. Azumi, S.Mizuno, M.Usui, H. Sakurai, S. Isaji. Hepatobiliary Pancreatic and Transplant Surgery, Mie University School of Medicine, Tsu, Japan.

## P2-16

Protective Effects of Lithospermum Erythrorhizon Against Cerulein-Induced Acute Pancreatitis. SB Choi, <sup>1</sup> I-J Jo, <sup>1</sup> D-G Kim, <sup>1</sup> J-Y Shin, <sup>1</sup> G-S Bae, <sup>2</sup> S-J Park <sup>1,2</sup> BK21 plus team, Professional Graduate School of Oriental Medicine, Wonkwang University, Iksan, Jeonbuk, South Korea; <sup>2</sup>Hanbang Body-fluid Research Center, Wonkwang University, Iksan, Jeonbuk, South Korea.

## P2-17

A 5-year Nationwide Analysis of Trends, Complications and Mortality of Acute Pancreatitis (AP) in Post-Bariatric Surgery Status (BRS). S.G. Krishna,<sup>1</sup> A. Hinton,<sup>2</sup> D. L. Conwell<sup>1</sup>. <sup>1</sup>Section of Pancreatic Disorders, Department of Gastroenterology, Hepatology and Nutrition, <sup>2</sup>Division of Biostatistics, The Ohio State University Wexner Medical Center, Columbus, OH.

## P2-18

HGF May Modulate the Total ROS Level, Mitochondrial Function and Death Pattern of Pancreatic Acinar Cells in Cerulein-Induced Acute Pancreatitis in Mice. J Ni,<sup>1</sup> R Shi,<sup>1</sup> W Liu,<sup>1</sup> Y Wu,<sup>1</sup> Y Yuan<sup>2</sup>. <sup>1</sup>11st Affiliated Hospital to Nanjing Medical University, Nanjing, Jiangsu, China; <sup>2</sup>Ruijin Hospital, Shanghai Jiaotong University, Shanghai, China.

## P2-19

Bedside Electromagnetic Guided Placement of Nasojejunal Feeding Tubes in Patients after Pancreatoduodenectomy: Prospective Single-Center Pilot Study. A. Gerritsen,<sup>1</sup> A. Duflou,<sup>2</sup> M. Ramali,<sup>2</sup> O. Busch,<sup>1</sup> D. Gouma,<sup>1</sup> E. Mathus-Vliegen,<sup>2</sup> M. Besselink<sup>1</sup>. Dept of <sup>1</sup>Surgery and <sup>2</sup>Gastroenterology, Academic Medical Center, Amsterdam, The Netherlands.

## P2-20

Early Organ Failure is Associated with a High Mortality in Acute Pancreatitis: A Systematic Review and Meta-analysis. J George, S Agarwal, R Padhan, TG Jacob, PK Garg. Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi, India.

## P2-21

The p.T221M Mutation Associated with Congenital Pancreatic Lipase Deficiency Causes Misfolding and ER Stress. A. Szabó,<sup>1</sup> X. Xiao,<sup>2</sup> M. Haughney,<sup>2</sup> M.E. Lowe,<sup>2</sup> M. Sahin-Tóth<sup>1</sup>. <sup>1</sup>Department of Molecular and Cell Biology, Boston University Medical Campus, Boston, MA; <sup>2</sup>Department of Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA.

## P2-22

Do We Need Additional Resection Based on Frozen Section Margin Status in IPMN. Z Wu, J He, CL Wolfgang. Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, Maryland.

## P2-23

Mechanism of Bile Acids Mediated Injury in Human Pancreatic Acinar Cells. R. Dawra, S. Sunderasan, A. Dixit, U. Barlass, A. Bekolay, Y. Ryu, B. Appakalai, B. Hering, A. Saluja Department of Surgery, University of Minnesota, Minneapolis, MN, USA.

## P2-24

SPINK1 Promoter Variants in Chronic Pancreatitis. E. Hegyi<sup>1,2</sup>, V Sahin-Tóth<sup>1</sup>, M Derikx<sup>1</sup>, A Geisz<sup>1</sup>, L Czako<sup>2</sup>, P Hegyi<sup>2</sup>, M Sahin-Tóth<sup>1</sup>. <sup>1</sup>Department of Molecular and Cell Biology, Boston University Medical Center, Boston MA; <sup>2</sup>First Department of Medicine, University of Szeged, Szeged, Hungary.

## P2-25

Distal Pancreatectomy with Resection of the Celiac Axis for Pancreatic Cancer. C. Dai, Z. Qian, K. Jiang, J. Wu, W. Gao, Q. Li, J. Chen, F. Guo, J. Wei, Z. Lu, Y. Miao. Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China.

## P2-26

Hyaluronic Acid Synthetic Genes in Pancreatic Mesenchymal Stem Cells. RT Waldron, O Shauly, A Lugea, H-Y Su, and SJ Pandol. Cedars-Sinai Medical Center, and VAGLAHS-UCLA, Los Angeles, CA.

## P2-27

Outcomes from Minimal Access Retroperitoneal and Open Pancreatic Necrosectomy in 394 Patients with Necrotizing Pancreatitis. I. Gomatos,<sup>1</sup> C. Halloran,<sup>1</sup> M. Raraty,<sup>1</sup> J. Evans,<sup>2</sup> P. Ghaneh,<sup>1</sup> H. Smart,<sup>3</sup> R. Yagati-Satchidanand,<sup>1</sup> J. Garry,<sup>1</sup> P. Whelan,<sup>1</sup> F. Hughes,<sup>1</sup> F. Polydoros,<sup>4</sup> H Wei,<sup>1</sup> R. Sutton,<sup>1</sup> J. Neoptolemos<sup>1</sup>. <sup>1</sup>Departments of Surgery, <sup>2</sup>Radiology and <sup>3</sup>Gastroenterology, NIHR Pancreas Biomedical Research Unit and Liverpool Clinical Trials Unit<sup>4</sup>, Royal Liverpool University Hospital, L69 3GA, UK.

# POSTER SESSIONS - FRIDAY

## P2-28

Does Subtotal Stomach-preserving Pancreaticoduodenectomy Improve Delayed Gastric Emptying Compared with Pylorus Preserving Pancreaticoduodenectomy? A Systematic Review and Meta-analysis. M.H. Wan,<sup>1</sup> J.J. Xiong,<sup>2</sup> P. Szatmary,<sup>3</sup> W. Huang,<sup>1,3</sup> S. Bharucha,<sup>3</sup> I. Gomasos,<sup>3</sup> Q. M. Nunes,<sup>3</sup> Q. Xia,<sup>1</sup> R. Sutton,<sup>3</sup> X.B. Liu<sup>2</sup>. <sup>1</sup>Sichuan Provincial Pancreatitis Center, and <sup>2</sup>Department of Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, China; <sup>3</sup>NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK.

## P2-29

Qualitative Assessment using a New Tool to Evaluate Clinical Applicability of Agents Tested in Treatment of Experimental Acute Pancreatitis. M.A. Javed,<sup>1</sup> L. Wen,<sup>1</sup> M. Mohan,<sup>1</sup> P. Szatmary,<sup>1</sup> K. Altaf,<sup>1</sup> W. Huang,<sup>1</sup> D.N. Criddle,<sup>1</sup> M.M. Lerch,<sup>2</sup> R. Sutton.<sup>1</sup> <sup>1</sup>NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; <sup>2</sup>Department of Medicine A, Ernst-Moritz-Arndt-University Greifswald, Greifswald, Germany.

## P2-30

Neoadjuvant Chemotherapy with Gemcitabine and S-1 for Locally Advanced Pancreatic Cancer. T. Kin, H. Maguchi, K. Takahashi, A. Katanuma, M. Osanai, K. Yane, S. Ikarashi, M. Sen-yo, R. Minami, I. Sano. Center for Gastroenterology, Teine-Keijinkai Hospital, Sapporo, Hokkaido, Japan.

## P2-31

Endoscopic Papillary Large Balloon Dilatation for Removal of Common Bile Duct Stones Does Not Increase the Risk of Post-ERCP Pancreatitis. A. Satoh,<sup>1,2</sup> S. Asonuma,<sup>1</sup> K. Umemura,<sup>1</sup> M. Hirota,<sup>3</sup> H. Konishi,<sup>2</sup> T. Arai,<sup>2</sup> H. Tamagawa,<sup>1</sup> K. Takahashi,<sup>1</sup> M. Onuma,<sup>1</sup> M. Miura<sup>1</sup>. <sup>1</sup>Department of Gastroenterology, South Miyagi Medical Center, Ohgawara, Japan; <sup>2</sup>Department of Internal Medicine, Kurihara Central Hospital, Kurihara, Japan; <sup>3</sup>Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan.

## P2-32

Predictive Factors of Malignant Lesions in the Remnant Pancreas After Surgery for IPMN. Y. Miyasaka,<sup>1</sup> T. Ohtsuka,<sup>1</sup> D. Yamada,<sup>1</sup> S. Takahata,<sup>1</sup> K. Mizumoto,<sup>1</sup> S. Shimizu,<sup>1</sup> Y. Oda,<sup>2</sup> and M. Tanaka<sup>1</sup>. <sup>1</sup>Department of Surgery and Oncology; <sup>2</sup>Department of Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

## P2-33

Evaluation of the Modified HTK Solution in Pancreas Transplantation. A. Majlesara,<sup>1</sup> H. Fonouni,<sup>1</sup> M. Golriz,<sup>1</sup> F. Bergmann,<sup>2</sup> M.M. Gebhard,<sup>3</sup> A. Mehrabi<sup>1</sup>. <sup>1</sup>Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany; <sup>2</sup>Department of Pathology, University of Heidelberg, Heidelberg, Germany; <sup>3</sup>Department of Experimental Surgery, University of Heidelberg, Heidelberg, Germany.

## P2-34

Renalase Protects Against Acute Pancreatitis. T. Kolodecik, F. Gorelick, G. Desir, A. Reed. Department of Medicine, Yale University School of Medicine, New Haven, CT.

## P2-35

Do We Need Animal Hands-on Courses for Pancreas Transplantation Surgery? J. Arvin, M. Golriz, M. Hafezi, C. Garoussi, N. Fard, P. Schemmer, A. Mehrabi. Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany.

## P2-36

The Validation Analysis of Our Prediction Method for Postoperative Pancreatic Fistula after Pancreas Head Resection. H. Kosaka, Y. Asano, K. Suzumura, H. Sueoka, N. Uyama, T. Okada, T. Hirano, Y. Iimuro, J. Fujimoto. Dept of Surgery, Hyogo College of Medicine, Nishinomiya, Japan.

## P2-37

Histone Deacetylase Inhibitors Unleash a Pro-inflammatory Tumor-supportive Phenotype in Pancreatic Cancer Fibroblasts. A. H. Nguyen,<sup>1</sup> S. Patel,<sup>1</sup> M. Vogelauer,<sup>2</sup> P. A. Toste,<sup>1</sup> N. Wu,<sup>1</sup> L. Li,<sup>1</sup> D. W. Dawson,<sup>3</sup> S. K. Kurdistani,<sup>2</sup> T. R. Donahue<sup>1</sup>. <sup>1</sup>Department of Surgery, <sup>2</sup>Department of Biological Chemistry, <sup>3</sup>Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA.

## P2-38

A Comprehensive Biopsychosocial Assessment of Patients with Pancreatobiliary Disorders (PD) Illuminates Mechanisms Underlying Symptoms and Alters Clinical Decision-Making. AH Soll; LA Keefer; ML Lee; DL Streiner; D Mahvi, J Buxbaum; S Pandol; S Lo; SD Freedman. UCLA, Cedars-Sinai, & USC, LA, CA.

## P2-39

Telomere Length Shortening Associated to the Malignant Potentials in Intraductal Papillary Mucinous Neoplasm (IPMN). A Miki,<sup>1,2</sup> Y. Sakuma,<sup>1</sup> J. Aida,<sup>2</sup> N. Izumiya-Shimomura,<sup>2</sup> Y. Sanada,<sup>1,2</sup> Y. Kawano,<sup>2</sup> H. Sasanuma,<sup>1</sup> K. Morishima,<sup>1</sup> N. Kasahara,<sup>1</sup> N. Ishikawa,<sup>2</sup> K. Nakamura,<sup>2</sup> Y. Matsuda,<sup>2</sup> N. Fukushima,<sup>3</sup> K. Takubo,<sup>2</sup> N. Sata,<sup>1</sup> Y. Yasuda,<sup>1</sup>. <sup>1</sup>Department of Surgery, Jichi Medical University, Tochigi, Japan; <sup>2</sup>Research Team for Geriatric Pathology, Tokyo Metropolitan Institute of Gerontology, and Department of Pathology, Tokyo Metropolitan Geriatric Hospital, Tokyo, Japan; <sup>3</sup>Department of Pathology, Jichi Medical University, Tochigi, Japan.

## P2-40

Toxic Modulation of Pancreatic Acinar Cell Mitochondrial Bioenergetics by Antioxidants. J. Armstrong,<sup>1</sup> R. Sutton,<sup>1</sup> DN Criddle<sup>1,2</sup>. <sup>1</sup>NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital; <sup>2</sup>Department of Cellular and Molecular Physiology, Institute of Translational Medicine, University of Liverpool, Liverpool, UK.

## P2-41

3 Cases of Main Duct Type Intraductal Papillary-Mucinous Neoplasm Which Recurred in the Remnant Pancreas after the First Pancreatectomy. A.Endo, H. Shimamura, K. Kanehara, K. Takeda. Department of Surgery, National Hospital Organization, Sendai Medical Center, Sendai, Japan.

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## P2-42

Epigenetic Reprogramming in Patients with Pancreatic Ductal Adenocarcinoma. C Pin,<sup>1</sup> K Leslie,<sup>2</sup> T Ponich,<sup>3</sup> N Hussain,<sup>3</sup> and C Johnson<sup>1</sup>. <sup>1</sup>Children's Health Research Institute, Depts. of Paediatrics, Physiology and Pharmacology, and Oncology, <sup>2</sup>Surgery, or <sup>3</sup>Medicine, Western University, London, ON, Canada.

## P2-43

Serum Interleukin-6 Associated With Tumor Progression Patterns in Patients With Pancreatic Adenocarcinoma. HW Kim, J-C Lee, K-H Paik, YS Lee, J Kim, J-H Hwang. Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam, Korea.

## P2-44

Humoral Communication Stimulates Pancreatic Acinar and Stellate Cells in a Novel Long-Term In Vitro Co-Culture Model. M. Bläuer,<sup>1</sup> M. Laaninen,<sup>1,2</sup> J. Sand,<sup>1,2</sup> J. Laukkarinen,<sup>1,2</sup>. <sup>1</sup>Tampere Pancreas Laboratory; <sup>2</sup>Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland.

## P2-45

Pigment Epithelium-Derived Factor (PEDF) Inhibits Wnt-Mediated Epithelial-Mesenchymal Transition in Primary PanIN Cells. J. Gong,<sup>1</sup> G.S. Belinsky,<sup>1</sup> B.N. Sreekumar,<sup>2</sup> A. Rhim,<sup>3</sup> C. Chung<sup>1,2</sup>. <sup>1</sup>Sections of Digestive Diseases, Dept of Medicine, Yale University School of Medicine, New Haven, CT; <sup>2</sup>Veterans Affairs Connecticut Healthcare System; <sup>3</sup>University of Michigan Medical School, Ann Arbor, MI.

## P2-46

Organoid Formation by Human Pancreatic Progenitors from Normal and Carcinoma Tissue. C. Dorrell,<sup>1</sup> B. Sheppard,<sup>2</sup> M. Grompe,<sup>1</sup> P.R. Streeter<sup>1</sup>. <sup>1</sup>Department of Pediatrics, Oregon Health & Science University, Portland, OR; <sup>2</sup>Department of Surgery, Oregon Health & Science University, Portland, OR.

## P2-47

Isocitrate Dehydrogenase (IDH1/2), A Potential Therapeutic Target In Pancreatic Cancer. K Jensen, S Banerjee, O. McGinn, A Nomura, A Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN.

## P2-48

A Step-up Approach for Infected Walled-off Necrosis: Experience of Four Patients Treated by Endoscopic Transgastric Necrosectomy. H. Yasuda, R. Kato, T. Doi, Y. Sogame, J. Sakagami, K. Kataoka, Y. Itoh. Division of Gastroenterology and Hepatology, Department of Medicine, Kyoto Prefectural University of Medicine, Kyoto, Japan.

## P2-49

Signaling Molecules Profile by Multiplex xMAP in Pancreatic Cancer Progression. C. Tanase,<sup>1,2</sup> M. Neagu,<sup>1</sup> S.O. Dima,<sup>3</sup> R. Albuлесcu<sup>1,4</sup>. <sup>1</sup>"Victor Babes" National Institute of Pathology, Bucharest, Romania; <sup>2</sup>Titu Maiorescu University, Bucharest, Romania; <sup>3</sup>"Fundeni" Clinical Institute, Bucharest, Romania; <sup>4</sup>Natl. Institute Chem. Pharm. R&D, Bucharest, Romania.

## P2-50

Evaluation of STEP-wise Diagnostic Test Algorithm Used in the Evaluation for Chronic Pancreatitis. D.L. Conwell, L. Lee, V. Kadiyala, S. Suleiman, A. Hinton, P. Banks. The Center for Pancreatic Disease, Brigham and Women's Hospital, Harvard Medical School, Boston, MA. Section of Pancreatic Disorders, Division of Gastroenterology, Hepatology and Nutrition, Ohio State University, Columbus, Ohio.

## P2-51

Optimal Follow-up and Long-term Clinical Outcome of Pancreatic Cystic Lesions. D.W. Ahn,<sup>1,3</sup> S.H. Lee,<sup>1,2</sup> D.K. Jang,<sup>1,2</sup> K.H. Chung,<sup>1,2</sup> B.S. Lee,<sup>1,2</sup> J.B. Jeong,<sup>1,3</sup> J.K. Ryu,<sup>1,2</sup> Y.T. Kim<sup>1,2</sup>. <sup>1</sup>Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea; <sup>2</sup>Department of Internal Medicine, Seoul National University Hospital, Seoul, Korea; <sup>3</sup>Department of Internal Medicine, Seoul National University Boramae Medical Center, Seoul, Korea.

## P2-52

Meta-Cancer Outlier Profile Analysis of Pancreatic Cancer Expression Data Identifies a Novel Intracellular Bone Morphogenetic Protein 2 (BMP-2) Splice Variant. E Cruz, SK Batra. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE, USA.

## P2-53

Morphology of Pancreatic Neuroendocrine Tumor (P-NET). E. Katsuta, A. Kudo, Y. Ohata, H. Ueda, T. Sato, A. Oba, K. Akahoshi, K. Nakao, T. Furuyama, H. Ito, S. Matsumura, A. Aihara, D. Ban, T. Ochiai, T. Irie, S. Tanaka, M. Tanabe. Department of Hepato-Biliary-Pancreatic Surgery, Tokyo Medical and Dental University, Tokyo, Japan.

## P2-54

Optimization Method for the Simultaneous Detection of Multiple Pancreatic Cancer Markers using a Surface-enhanced Raman Scattering (SERS) Immunoassay. G. Khanderao,<sup>1</sup> J.H. Granger,<sup>2</sup> M.C. Granger,<sup>1,2,3</sup> M.A. Firpo,<sup>1,2,5</sup> M.D. Porter,<sup>2,3,4</sup> and S.J. Mulvihill<sup>1,2,5</sup>. <sup>1</sup>Department of Surgery, University of Utah, School of Medicine, Salt Lake City, UT, USA; <sup>2</sup>Nano Institute of Utah, University of Utah, Salt Lake City, UT, USA; <sup>3</sup>Department of Chemical Engineering, University of Utah, Salt Lake City, UT, USA; <sup>4</sup>Departments of Chemistry, Pathology, and Bioengineering, University of Utah, Salt Lake City, UT, USA; <sup>5</sup>Huntsman Cancer Institute, Salt Lake City, UT, USA.

## P2-55

Quality of Life (QOL) Evaluation for Pancreatic Tumor Surgery Patients at the Three and Six Months After Surgery in A Single Center. Y Katayose,<sup>1,3</sup> N Sato,<sup>2</sup> F Motoi,<sup>3</sup> K Nakagawa,<sup>1,3</sup> H Yoshida,<sup>3</sup> T Morikawa,<sup>3</sup> H Hayashi,<sup>3</sup> M Mizuma,<sup>3</sup> K Fukase,<sup>3</sup> T Aoki,<sup>3</sup> K Kawaguchi,<sup>3</sup> T Naitoh,<sup>3</sup> M Unno<sup>1,3</sup>. <sup>1</sup>Integrated Surgery and Oncology, Tohoku University Graduate School of Medicine, Sendai, JAPAN; <sup>2</sup>Department of Oncology Nursing, Health Sciences, Tohoku University Graduate School of Medicine, Sendai, JAPAN; <sup>3</sup>Hepato-Biliary Pancreatic Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan.

# POSTER SESSIONS - FRIDAY

## P2-56

Lymphotoxin Promotes Acinar Cell Reprogramming and Accelerates Pre-neoplastic Conversion in Kras Induced Pancreatic Tumorigenesis. G. Seleznik,<sup>1</sup> T. Reding,<sup>1</sup> S. Sonda,<sup>1</sup> M. Heikenwälder,<sup>2</sup> R. Graf<sup>1</sup>. <sup>1</sup>Swiss HPB Center, Visceral & Transplantation Surgery, University Hospital Zurich, Switzerland; <sup>2</sup>Institute for Virology, Helmholtz-Centre Munich, Germany.

## P2-57

Clinicopathological Study of T1 Pancreatic Cancer. G. Kobayashi,<sup>1</sup> Y. Noda,<sup>1</sup> K. Ito,<sup>1</sup> S. Koshida,<sup>1</sup> Y. Kanno,<sup>1</sup> T. Ogawa,<sup>1</sup> K. Masu,<sup>1</sup> Y. Michikawa,<sup>1</sup> Y. Iwashita,<sup>1</sup> N. Fujita,<sup>1</sup> T. Sawai<sup>2</sup>. <sup>1</sup> Department of Gastroenterology, <sup>2</sup> Department of Pathology, Sendai City Medical Center, Sendai, Japan.

## P2-58

Characterization of Corticotropin-releasing Hormone (CRH) Type I System in Human Pancreatic Endocrine Tumors. S. V. Wu,<sup>1,2</sup> M. C. Chen,<sup>1</sup> Y. Taché,<sup>2</sup> and V.L.W. Go<sup>1</sup> <sup>1</sup>Center for Excellence in Pancreatic Diseases, David Geffen School of Medicine at UCLA; <sup>2</sup>VA Greater Los Angeles Healthcare System, Los Angeles, CA, USA.

## P2-59

Adequate Patient Selection for Total Pancreatectomy Based on Postoperative Assessments of Short- and Long-Term Outcomes. Y Watanabe,<sup>1</sup> T Ohtsuka,<sup>1</sup> T Matsunaga,<sup>1</sup> H Kimura,<sup>1</sup> K Tamura,<sup>1</sup> N Ideno,<sup>1</sup> T Aso,<sup>1</sup> Y Miyasaka,<sup>1</sup> D Yamada,<sup>1</sup> J Ueda,<sup>1</sup> S Takahata,<sup>1</sup> H Igarashi,<sup>2</sup> T Inoguchi<sup>2</sup> T Ito,<sup>2</sup> M Tanaka<sup>1</sup>. <sup>1</sup>Departments of Surgery and Oncology, and <sup>2</sup>Medicine and Bioregulatory Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

## P2-60

Artery-First Approach Pancreaticoduodenectomy with En-bloc Retroperitoneal Clearance (AFPD-ERC) for Pancreatic Head Cancer. K. Jiang, J. Wu, W. Gao, J. Chen, J. Wei, F. Guo, Z. Lu, Y. Miao. Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China.

## P2-61

A Case of Surgical Resection for Pancreatic Gastrinoma and Synchronized Multiple Liver Metastasis. H. Mizukami and J-I Tanaka. Showa University Fujigaoka Hospital General and Enterological Surgery.

## P2-62

Histological Invasive Patterns of Intraductal Tubulopapillary Neoplasms of the Pancreas. H. Yamaguchi,<sup>1</sup> M. Shimizu,<sup>1</sup> I. Koyama,<sup>2</sup> T Hatori,<sup>3</sup> M. Yamamoto,<sup>3</sup> K. Shimizu,<sup>3</sup> K. Shiratori,<sup>3</sup> T. Furukawa<sup>4</sup>. Dept of <sup>1</sup>Pathology and <sup>2</sup>Surgery, Saitama Medical University International Medical Center, Hidaka, Japan; <sup>3</sup>Institute of Gastroenterology, and <sup>4</sup>Institute for Integrated Medical Sciences, Tokyo Women's Medical University, Tokyo, Japan

## P2-63

Oral Udenafil and Aceclofenac for the Prevention of Post-ERCP Pancreatitis in High-Risk Patients: A Randomized, Placebo-Controlled, Double Blind, Multicenter Study. H-C Oh,<sup>1</sup> JS Choi,<sup>2</sup> TY Lee,<sup>3</sup> TJ Song,<sup>4</sup> JH Do,<sup>1</sup>YK Cheon.<sup>3</sup> <sup>1</sup>Division of Gastroenterology, Chung-Ang University College of Medicine, Seoul, Korea; <sup>2</sup>Division of Gastroenterology, Inje University College of Medicine, Busan Paik Hospital, Busan, Korea; <sup>3</sup>Division of Gastroenterology, Konkuk University College of Medicine, Seoul, Korea; <sup>4</sup>Division of Gastroenterology, Inje University College of Medicine, Ilsan Paik Hospital, Goyang, Korea.

## P2-64

Percutaneous Drainage of Pancreatic Necrosis - Beyond the PANTER Trial. M. Sugimoto,<sup>1</sup> G.S. Flint,<sup>1</sup> C.J. Boyce,<sup>2</sup> J.C. Kirkham,<sup>2</sup> T.J. Harris,<sup>2</sup> S.M. Carr<sup>2</sup> D.P. Sonntag,<sup>2</sup> B.D. Nelson,<sup>2</sup> J.G. Barton,<sup>1</sup> L.W. Traverso.<sup>1</sup> <sup>1</sup>Center for Pancreatic and Liver Disease; <sup>2</sup>Department of Radiology, St. Luke's Health System, Boise, ID, USA.

## P2-65

Over-Expression of Human SSTR5 in Murine Insulinoma Cells Potentiates Response to Somatostatin Receptor Agonists Compared to Hypofunctional Mutation SSTR5L335. J. X. Wu, S. H. Liu, G. S. Zhou, J. Yu, R. Sanchez, F. C. Brunicaudi. Department of Surgery, David Geffen UCLA School of Medicine, Los Angeles, CA, USA.

## P2-66

Change in Bone Mineral Density in the First Year after TPIAT for Chronic Pancreatitis. Y Lu, GJ Beilman, TB. Dunn, TL. Pruett, ML Freeman, M. Arain, P Ptacek, KL. Berry, KE Ensrud, LE Polgreen, MD Bellin. University of Minnesota, Minneapolis, MN.

## P2-67

Decrease in Fibroblast Growth Factor Receptor-4 Levels Inhibited the Proliferation, Migration, and Invasion of Pancreatic Cancer. T. Ishiwata,<sup>1</sup> H. Yoshimura,<sup>1</sup> Y. Matsuda,<sup>1,2</sup> M. Murase,<sup>1</sup> T. Suzuki,<sup>1</sup> Y. Kawamoto,<sup>1</sup> K. Kawahara,<sup>1</sup> S. Ishiwata,<sup>3</sup> Z. Naito.<sup>1</sup> <sup>1</sup>Department of Integrated Diagnostic Pathology, Graduate School of Medicine, Nippon Medical School, Tokyo, Japan; <sup>2</sup>Department of Pathology, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology, Tokyo, Japan; <sup>3</sup>Laboratory of Medical Pharmaceuticals & Therapeutics, Division of Clinical Pharmacy, Faculty of Pharmacy, Kinki University, Osaka, Japan.

## P2-68

Towards a Structure-Based Discovery of PKD Inhibitors for Acute Pancreatitis. R. Abrol,<sup>1</sup> J. Yuan,<sup>2,3</sup> H-Y. Su,<sup>1</sup> R. Waldron,<sup>1,2,3</sup> A. Lugea,<sup>1,2,3</sup> S.J. Pandol<sup>1,2,3</sup>. Pancreatic Research Group, <sup>1</sup>Cedars-Sinai Medical Center; <sup>2</sup>Veterans Affairs; <sup>3</sup>UCLA, Los Angeles, California.

## P2-69

Randomized Trial of Moderate versus Aggressive Fluid Therapy in Patients with Mild to Moderate Acute Pancreatitis. J. Buxbaum,<sup>1</sup> D. Mwengele,<sup>1</sup> N. Jani,<sup>1</sup> T. Kelly,<sup>1</sup> K. Dhanireddy,<sup>2</sup> J. Nneji,<sup>1</sup> P. Jhun<sup>3</sup>. <sup>1</sup>Departments of Medicine; <sup>2</sup>Surgery; <sup>3</sup>Emergency Medicine, University of Southern California, Los Angeles, CA.

# POSTER SESSIONS - FRIDAY

## P2-70

KRAS-Driven Post-Translational Activation of MYC in Pancreatic Cancer Provides a New Therapeutic Target. A.S. Farrell,<sup>1</sup> B. Allen-Petersen,<sup>1</sup> J.M. Link,<sup>1</sup> C.J. Daniel,<sup>1</sup> Z. Jenny,<sup>1</sup> J. Hooper,<sup>2</sup> G. Narla,<sup>3</sup> B.C. Sheppard,<sup>4</sup> R.C. Sears.<sup>1</sup> Depts of 1Molecular and Medical Genetics 2Anatomic Pathology, 4Surgery, Oregon Health & Science University, Portland, OR; 3Dept of Medicine, Case Western Reserve University, Cleveland, OH.

## P2-71

Alcohol-Induced Impaired Pancreatic Regeneration is Associated with Altered Notch Signaling. D.L. Clemens,<sup>1,2</sup> M.A. Wells,<sup>2</sup> K.J. Schneider,<sup>2</sup> S. Singh.<sup>2</sup> 1NEWI VA Med. Center; 2Dept. of Med., Univ. of NE. Med. Center, Omaha NE.

## P2-72

Isolation of Human Pancreatic Stellate Cells from Cadaveric Pancreatic Tissues. H-Y Su,<sup>1</sup> RT Waldron,<sup>1</sup> K Ferreri,<sup>2</sup> SJ Pandol,<sup>1</sup> A Lugea.<sup>1</sup> 1Cedars Sinai Medical Center, Los Angeles, CA; 2Beckman Research Institute of City of Hope, Duarte, CA.

## P2-73

Prognostic Factors After Curative Resection for Long Term Survival in Patients with Peri Ampullary Carcinoma. J. Targarona, L. Barreda, J.L. Calisto, W. Robles. Department of Surgery Edgardo Rebagliati Martins Hospital Lima Peru.

## P2-74

The Epidemiology and Outcome from Pancreatoduodenal Trauma in the U.K. 1989-2013. D.A. O'Reilly,<sup>1,2</sup> O. Bouamra,<sup>2</sup> A. Kausar,<sup>1</sup> D.J. Malde,<sup>1</sup> E.J. Dixon,<sup>4</sup> F. Lecky.<sup>2,3</sup> 1Department of Surgery, North Manchester General Hospital; 2Trauma Audit & Research Network (TARN) The University of Manchester; 3 EMRIS, Health Service Research, School of Health and Related Research, University of Sheffield. 4West of Scotland Pancreatic Unit, Glasgow Royal Infirmary, UK.

## P2-75

Fructose-Bisphosphate Aldolase A Is a Potential Metastasis-Associated Marker of Pancreatic cancer Tumorigenesis and Migration. J. Liu, S.R. Ji, Y. Qin, J. Xu, B. Zhang, W.Y. Xu, S. Shi, and X.J. Yu. Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University; Pancreatic Cancer Institute, Fudan University, Shanghai, P.R. China.

## P2-76

Serum Level of Pancreatic Stone Protein in Diabetic Nephropathy and Diabetic Peripheral Neuropathy. J Yang,<sup>1</sup> C Wu,<sup>1</sup> R Graf,<sup>2</sup> L Li.<sup>1</sup> 1Department of Endocrinology, Zhongda Hospital of Southeast University, Nanjing, China; 2Department of Visceral and Transplantation Surgery, University Hospital of Zurich, Zurich, Switzerland.

## P2-77

Solid Pseudopapillary Tumors of the Pancreas: Updated Experience from a Single Center with 73 cases. J. Wu, J. Wei, W. Xu, Z. Lu, Z. Qian, C. Dai, Z. Xu, K. Jiang, Q. Li, W. Gao, F. Guo, J. Chen, Y. Miao. Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P.R. China.

## P2-78

Malignant Potential of Intraductal Papillary Mucinous Neoplasms of the Pancreas: Special Reference to Minimally Invasive Carcinoma. K. Koikawa,<sup>1</sup> K. Nishihara,<sup>1</sup> Y. Akiyama,<sup>1</sup> Y. Nakashima,<sup>1</sup> H. Matsunaga,<sup>1</sup> Y. Abe,<sup>1</sup> T. Nakano,<sup>1</sup> S. Mitsuyama,<sup>1</sup> M. Tanaka.<sup>2</sup> 1Department of Surgery, Kitakyushu Municipal Medical Center, Kitakyushu, Japan; 2Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka, Japan.

## P2-79

Strategy against Venous Thromboembolism after Pancreatectomy, especially Anticoagulant Therapy. K. Kanehara, H. Shimamura, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

## P2-80

Importance of the Invasive Distance in Invasive IPMN as a Prognostic Factor. K. Kimura, R. Amano, S. Yamazoe, K. Miura, G. Ohira, K. Nishio, M. Shibutani, K. Sakurai, H. Nagahara, T. Toyokawa, N. Kubo, H. Tanaka, K. Muguruma, H. Otani, K. Maeda, M. Ohira, K. Hirakawa. Department of Surgical Oncology, Osaka City University Graduate School of Medicine, Osaka, Japan.

## P2-81

Tumor Protein D52 and VAMP8 Control Endosomal Trafficking Directly Impacting Autophagy. SW Messenger, M Koke, GE Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI.

## P2-82

Surgical Resection for Initially Unresectable Pancreatic Cancer after Preoperative Therapy. K. Fukase,<sup>1</sup> F. Motoi,<sup>1</sup> Y. Katayose,<sup>2</sup> M. Unno.<sup>1</sup> 1Department of Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan; 2Integrated Surgery and Oncology, Tohoku University Graduate School of Medicine, Sendai, Japan.

## P2-83

Prior Manipulation of Walled-Off Pancreatic Necrosis (WOPN) is a Significant Risk Factor for Infected Necrosis. K.A. Singer, S. Gaddam, A.L. Carlson, F.M. Murad. Department of Medicine, Washington University School of Medicine, St. Louis, MO.

## P2-84

Peri-Pancreatic Fat Necrosis (PPFN) Worsens Inflammation and Outcomes in Acute Pancreatitis (AP), Independent of Pancreatic Necrosis. K. Patel, P. Noel, R. Trivedi, V. P. Singh. Department of Medicine, Mayo Clinic - Arizona, Scottsdale, Arizona.

## P2-85

Screening for Pancreatic Cancer in New-Onset Diabetes Mellitus is Beneficial? L. Czako, D. Illés, G. Zsóri, V. Terzin, T. Wittmann, First Department of Medicine, University of Szeged, Szeged, Hungary.



# POSTER SESSIONS - FRIDAY

## P2-86

Characteristics and Natural History of Chyle Leak Following Pancreatectomy. L. Manos, N. Rezaee, T. Pawlik, M. Weiss, C. Wolfgang. Department of Surgery, Johns Hopkins Hospital, Baltimore, MD.

## P2-87

Accelerating Liquefaction of Pancreatic Necrosis with Enzymatic Solutions. L. Brown,<sup>1,2</sup> J. Hong,<sup>2</sup> M. Petrov,<sup>1</sup> R. Flint,<sup>3</sup> N. Zyromski,<sup>4</sup> J. Windsor,<sup>1</sup> A. Phillips<sup>2</sup>. 1Department of Surgery, University of Auckland, Auckland, New Zealand; 2Applied Surgery and Metabolism Laboratory, University of Auckland, Auckland, New Zealand; 3Department of Surgery, University of Otago, Christchurch, New Zealand; 4Department of Surgery, University of Indianapolis, Indianapolis, USA.

## P2-88

Hyperthermia Modulated Delivery of Abraxane to Tumors for the Treatment of Pancreatic Cancer. M. Xu,<sup>1</sup> RZ, Panni,<sup>2</sup> AC. Lockhart,<sup>1</sup> RJ. Myerson,<sup>3</sup> I. Zoberi,<sup>3</sup> DC. Linehan,<sup>2</sup> A. Wang-Gillam<sup>1</sup>. Department of 1Internal Medicine, 2Surgery, and 3Radiation Oncology, Washington University, St. Louis, Missouri, USA.

## P2-89

Targeting Endothelin Axis in Pancreatic Tumor Microenvironment. S. Gupta,<sup>1</sup> M.A. Macha,<sup>1</sup> S. Rachagani,<sup>1</sup> S.L. Johansson,<sup>2</sup> S.M. Lele,<sup>2</sup> L.M. Smith,<sup>3</sup> S.K. Batra,<sup>1,4,5</sup> M. Jain<sup>1,4,5</sup>. 1Departments of Biochemistry & Molecular Biology; 2Pathology & Microbiology; 3Biostatistics 4Eppley Institute for Research in Cancer & Allied Diseases; 5The Fred and Pamela Buffet Cancer Center; University of Nebraska Medical Center, Omaha, NE.

## P2-90

Serous Cystadenomas Follow A Benign Course and Minimal Growth Rate. M Pelaez-Luna,<sup>1,2</sup> L Uscanga-Dominguez,<sup>1</sup> J Hernandez-Calleros<sup>1</sup>. 1Pancreas Clinic. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubiran; 2Research Division, School of Medicine, Universidad Nacional Autónoma de México. Mexico City, Mexico.

## P2-91

A Comparison of a Set of Over-Expressed Genes in Pancreatic Juice in Patients with Pancreatic Adenocarcinoma Compared to Pancreatic Cystic Tumours Using Poly A RT PCR. S Sanyal<sup>1</sup>, A Siriwardena<sup>1</sup>, RJ Byers<sup>2</sup>. 1Department of Hepatopancreatobiliary Surgery, Manchester Royal Infirmary; 2Department of Pathology, Manchester Royal Infirmary.

## P2-92

Neoadjuvant Chemo-radiotherapy (NACRT) for Borderline Resectable Pancreatic Cancer. M Kawaguchi,<sup>1</sup> K Takori,<sup>1</sup> A Nakamura,<sup>2</sup> T Uemura,<sup>1</sup> M Mizumoto,<sup>1</sup> T Masui,<sup>1</sup> A Mori,<sup>1</sup> H Okajima,<sup>1</sup> M Hiraoka<sup>2</sup> S Uemoto.<sup>1</sup> 1HBP surgery and transplantation, 2department of radiotherapy, Kyoto University, Kyoto, Japan.

## P2-93

Expanding the Indications of Pancreas Transplantation Alone. M. Golriz,<sup>1</sup> F. Adili-Aghdam,<sup>1</sup> M. Hafezi,<sup>1</sup> M. Ashrafi,<sup>1</sup> C. Morath,<sup>3</sup> M. Zeier,<sup>3</sup> T. Hackert,<sup>1</sup> P. Schemmer,<sup>1</sup> A. Mehrabi<sup>1</sup>. 1Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany; 2Department of Nephrology, University of Heidelberg, Heidelberg, Germany.

## P2-94

TME Factors-Mediated Intracellular Communication in the Enrichment of PD2 Overexpressed Pancreatic Cancer Stem Cells. A.P. Vaz, S. Kumar, S. Joshi, P. Seshacharyulu, S.K. Batra and M.P. Ponnusamy. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, Nebraska, USA.

## P2-95

Combination Therapy with Gemcitabine and a Novel Plk1 Inhibitor Causes Caspase-Independent Cell Death in Pancreatic Cancer Cells. O.P. Jones, W. Greenhalf, C. Halloran, J.P Neoptolemos, P. Ghaneh. Institute of Translational Medicine, Royal Liverpool University Hospital, Liverpool, UK.

## P2-96

Pancreatic polypeptide response to a mixed meal as a marker of pancreatic cancer associated diabetes: a pilot study. P Hart, E Baichoo, Y Kudva, S Chari. Division of Gastroenterology & Hepatology, Mayo Clinic, Rochester, MN.

## P2-97

A New Surgical Technique of PD-SAR for Pancreatic Head-Body Cancer with Splenic Artery Invasion to Avoid Total Pancreatectomy, Based On the Preservation of Remnant Pancreatic Functions. R. Desaki, M. Kishiwada, S. Mizuno, Y. Murata, A. Tanemura, Y. Azumi, N. Kuriyama, M. Usui, H. Sakurai, S. Isaji. Department of Hepatobiliary Pancreatic and Transplant Surgery, Mie University School of Medicine, Tsu, Mie, Japan

## P2-98

Prosurvival Effect of Autophagy in Pancreatic Cancer Cells is Determined by Kras and p53 Mutational Status. S Maertin,<sup>1,2,3</sup> CJ Nitsche,<sup>3</sup> JM Elperin,<sup>1</sup> M Sendler,<sup>3</sup> PJ Grippo,<sup>4</sup> G Eibl,<sup>2</sup> J Mayerle,<sup>3</sup> MM. Lerch,<sup>3</sup> AS Gukovskaya.<sup>1,2</sup> 1VA Greater Los Angeles and 2University of California Los Angeles, CA, USA; 3University of Greifswald, Germany; 4University of Illinois, Chicago, IL, USA.

## P2-99

HDAC Inhibitors in Combination with Gemcitabine Induce the Epithelial-Mesenchymal Transition in Pancreatic Carcinoma Cells. S.M. Park, M. Ji, E.J. Lee, J.G. Park, K.B. Kim, J.Y. Lee, M.J. Kim, J.-H. Han, S.M. Yoon, H.B. Chae, S.J. Youn. Department of Internal medicine, Chungbuk National University College of Medicine, Cheongju, Korea.

## P2-100

The MiR-365 Increases Gemcitabine Resistance by Regulating Cell Cycle and Apoptosis-related Molecules. S. Hamada, A. Masamune and T. Shimosegawa Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Miyagi, Japan.

# POSTER SESSIONS - FRIDAY

## P2-101

Surgical Treatment of Solid-Pseudopapillary Neoplasm of the Pancreas: A Single Institution Experience. S. Sakuraba, Y. Toyoki, K. Ishido, D. Kudo, N. Kimura and K. Hakamada. Dept of Gastroenterological Surgery, Hirosaki University Graduate School of Medicine, Hirosaki, Japan.

## P2-102

Double Contrast-Enhanced Ultrasonography Improves the Detection and Localization of Occult Lesions in the Pancreatic Tail. G. Mai,<sup>1</sup> S.M. Xie,<sup>1</sup> Y.H. Cheng,<sup>1</sup> X.R. Wen,<sup>2</sup> H. Zhuang,<sup>2</sup> Y.Z. Li,<sup>2</sup> X. Zhou.<sup>2</sup> 1Department of Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, Sichuan, P. R China; 2Ultrasound Department, West China hospital, Sichuan University, Chengdu, Sichuan, P. R China.

## P2-103

New-onset Diabetes Mellitus as a Potential Initial Marker of Resectable Pancreatic Cancer: Data from EUS Registry. J Singh, DA Parikh, S Urayama. Division of Gastroenterology, University of California Davis, Sacramento, CA.

## P2-104

A Case of Intraductal Papillary-Mucinous Neoplasms with Developing Acute Pancreatitis. T Tamae, A Uejo, K Iha, K Miyagi, R Ikemura, Y Nakasone, Y Ikehara, M Eguchi, I Nishijima, H Kawamoto, Y Tedokon. Department of Surgery, Chubutokushukai Hospital, Okinawa, Japan.

## P2-105

Surgical Enucleation for Branch-Duct Type IPMNs - a Meaningful Alternative to Formal Pancreatic Resection. S. Fritz,<sup>1</sup> J. Kaiser,<sup>1</sup> M. Klaus,<sup>2</sup> F. Bergmann,<sup>3</sup> O. Strobel,<sup>1</sup> L. Schneider,<sup>1</sup> T. Hackert<sup>1</sup> and M.W. Büchler<sup>1</sup>. 1Dept of General, Visceral and Transplantation Surgery; 2Dept of Diagnostic and Interventional Radiology; 3Institute of Pathology; University of Heidelberg, Im Neuenheimer Feld 110, 69120 Heidelberg, Germany.

## P2-106

Comparison of 24-hour and 8-hour Infusion of Nafamostat Mesilate for the Prevention of Post-ERCP Pancreatitis: A Prospective Randomized Comparison Trial. S.J. Kim, <sup>1</sup>D.H. Kang,<sup>2</sup> H.W. Kim,<sup>1</sup> C.W. Choi,<sup>1</sup> S.B. Park,<sup>1</sup> B.J. Song,<sup>1</sup> Y.S. Shin<sup>1</sup>. 1Dept of Internal Medicine, Pusan National University Yangsan Hospital, Yangsan, South Korea; 2Dept of Internal Medicine, Pusan National University Hospital, Busan, South Korea.

## P2-107

Early Stage Pancreatic Cancer in the Remnant Pancreas Diagnosed during Strict Surveillance after Resection of Main Duct Intraductal Papillary Mucinous Neoplasm: A Case Report. T Fujimoto,<sup>1</sup> T Ohtsuka,<sup>1</sup> K Date,<sup>1</sup> H Kimura,<sup>1</sup> T Matsunaga,<sup>1</sup> Y Watanabe,<sup>1</sup> K Tamura,<sup>1</sup> S Takahata,<sup>1</sup> Y Oda,<sup>2</sup> M Tanaka<sup>1</sup>. Department of 1Surgery83 and Oncology, 2Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

## P2-108

The Clinical Implication of Repeat Pancreatectomy for Recurrent Pancreatic Cancer in the Remnant Pancreas after Initial Pancreatectomy. T. Kyuno, Y. Kimura, M. Imamura, T. Ito, T. Nobuoka, T. Mizuguchi, T. Furuhashi, K. Hirata. Department of Surgery, Surgical Oncology and Science, Sapporo Medical University, Sapporo, Japan.

## P2-109

Incidence of Thromboembolism and Significance of Plasma D-Dimer Levels in Pancreatic Cancer Patients. T Harada,<sup>1</sup> H Inoue,<sup>1</sup> R Yamada,<sup>1</sup> Y Takei<sup>1</sup>. 1Department of Gastroenterology and Hepatology, Mie University Graduate school of Medicine, Japan.

## P2-110

Roux-en-Y Reconstruction with Isolated Pancreaticojejunostomy versus Single Loop Reconstruction after Pancreaticoduodenectomy: Systematic Review and Meta-Analysis. U. Klaiiber, P. Probst, P. Knebel, P. Contin, M.K. Diener, M.W. Büchler, T. Hackert. Department of Surgery, University of Heidelberg, Germany.

## P2-111

Fibroblast Activation Protein activates proliferation and invasion of pancreatic adenocarcinoma. T Kawase, S Nishina, Y Hara, F Kishi, K Yoshida, K Hino. Department of Hepatology and Pancreatology, Kawasaki Medical School, Japan.

## P2-112

Endoscopic Retrograde Cholangiopancreatography Brush Cytology for Invasive Pancreatic Ductal Cancer: A Method to Improve the Diagnostic Accuracy Rate. T Sanuki,<sup>1</sup> M Kinoshita,<sup>1</sup> H Sakai,<sup>1</sup> Y Yamada,<sup>1</sup> A Sasaki,<sup>1</sup> K Tanaka,<sup>1</sup> T Yoshie,<sup>1</sup> J Hori,<sup>1</sup> H Sawa,<sup>2</sup> D Kuroda,<sup>2</sup> M Kanzawa,<sup>3</sup> Y Zen<sup>3</sup>. 1Department of Gastroenterology; 2Department of Surgery; 3Department of Diagnostic Pathology, Kita-Harima Medical Center, Ono, Japan.

## P2-113

The Impact of Minimally Invasive Retroperitoneal Necrosectomy on Organ Dysfunction in Patients with Infected Pancreatic Necrosis. VV Chandrabalan, CL Tam, Z Sherazi, D O'Reilly. Department of Hepato-pancreato-biliary Surgery, North Manchester General Hospital, United Kingdom.

## P2-114

Preoperative Independent Prognostic Factors in Patients with Borderline Resectable Pancreatic Adenocarcinoma Following Curative Resection: Neutrophil-Lymphocyte Ratio and Platelet-Lymphocyte Ratio. S. Asari, I. Matsumoto, H. Toyama, M. Shinzaki, T. Goto, J. Ishida, T. Ajiki, T. Fukumoto, Y. Ku. Division of Hepato-Biliary-Pancreatic Surgery, Department of Surgery, Kobe University Graduate School of Medicine, Kobe, Japan.

## P2-115

Selective Inhibition of BET Proteins Reduces Pancreatic Damage and Systemic Inflammation in Bile Acid and Fatty Acid Ethyl Ester but not Cerulein Experimental Acute Pancreatitis. W. Huang,<sup>1,3</sup> A.C. Haynes,<sup>2</sup> R. Mukherjee,<sup>1</sup> N. Smithers,<sup>2</sup> R.K. Prinjha,<sup>2</sup> D.N. Criddle,<sup>1</sup> P. Jeffrey,<sup>2</sup> R. Sutton<sup>1</sup>. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; 2Immuno-Inflammation Therapeutic Area Unit, GlaxoSmithKline, Stevenage, UK; 3Department of Integrated Traditional and Western Medicine, West China Hospital, Chengdu, China.

# POSTER SESSIONS - FRIDAY/SATURDAY

## P2-116

The Clinical Usefulness of 18 F-fluorodeoxyglucose Positron Emission Tomography/Computed Tomography (PET-CT) in Follow-Up of Curatively Resected Pancreatic Cancer Patients. W. Jung, J. Jang, M. Kang, Y. Chang, J. Chang, Y. Shin, S. Kim. Department of Surgery, Seoul National University College of Medicine, Seoul, Korea.

## P2-117

Metabolic Tumour Burden Assessed by 18F-FDG PET/CT Associated with Serum CA19-9 Predicts Pancreatic Cancer Outcome after Resection. X Yu, B Zhang, Y Qin, J Liu, S Ji, W Xu, S Shi, J Long, C Liu, L Liu, J Xua. Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University, Pancreatic Cancer Institute, Fudan University, Shanghai, P.R. China.

## P2-118

HMGB1 and Acetylated HMGB1 as Predictive Markers of Severe Acute Pancreatitis. A. Nieminen,<sup>1</sup> A. Rouhiainen,<sup>2</sup> H. Tukiainen,<sup>2</sup> J. Kuja-Panula,<sup>2</sup> L. Kylänpää,<sup>1</sup> P. Puolakkainen,<sup>1</sup> H. Rauvala,<sup>2</sup> H. Repo.<sup>3</sup> 1Department of Surgery, Helsinki University Central Hospital, Finland; 2Neuroscience Center, University of Helsinki, Finland; 3Department of Bacteriology and Immunology, University of Helsinki, Finland.

## P2-119

Bcl-2 Family Inhibitors Effectively Sensitize Human Pancreatic Cancer Cells to TRAIL. Y Hari,<sup>1</sup> N Harashima,<sup>2</sup> A Kidani,<sup>1</sup> H Hayashi,<sup>1</sup> Y Kawabata,<sup>1</sup> M Harada,<sup>2</sup> S Yano,<sup>1</sup> Y Tajima.<sup>1</sup> 1Department of Digestive & General Surgery, Shimane University Faculty of Medicine, Shimane, Japan; 2Department of immunology, Shimane University Faculty of Medicine, Shimane, Japan.

## P2-120

HP1-Histone Methyl Transferase Pathways Relay Epigenetic Signals Downstream of the Pancreatic Oncogenes, Aurora Kinases. M. Williams, A. Mathison, G. Lomberk and R. Urrutia. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Mayo Clinic, Rochester, MN.

## P2-121

Endoscopic Resection of Minor Duodenal Papilla: Report of 10 cases. Y. D. Cho,<sup>1</sup> S. W. Cha,<sup>1</sup> Y. S. Lee,<sup>1</sup> E. T. Park,<sup>2</sup> S. W. Jung,<sup>1</sup> J. Y. Jang.<sup>1</sup> 1Institute for Digestive Research, Digestive Disease Center, Division of Gastroenterology, Department of Internal Medicine, College of Medicine, Soonchunhyang University, Seoul, Republic of Korea; 2Division of Gastroenterology, Department of Internal Medicine, College of Medicine, Kosin University Hospital, Busan, Republic of Korea.

## SATURDAY, NOVEMBER 8

### 7:00 AM - 2:00 PM POSTER SESSION 3

COURTYARD: P3-1 TO P3-32

LEHUA/HAU ROOM: P3-33 TO P3-72

BREEZEWAY: P3-73 TO P3-120

### Posters P3-1:11 Posters of Distinction

#### P3-1

Derivation of a Non-invasive, Chronic Pancreatitis (CP) Risk Score. DL Conwell,<sup>2</sup> LS Lee,<sup>1</sup> V Kadiyala,<sup>1</sup> S Suleiman,<sup>1</sup> P Banks.<sup>1</sup> 1Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women's Hospital, Harvard Medical School, Boston, MA; 2Section of Pancreatic Disorders, Division of Gastroenterology, Hepatology and Nutrition, Ohio State University Wexner Medical Center, Ohio State University College of Medicine, Columbus, Ohio.

#### P3-2

Incidence and Exocrine Pancreatic Function of Cystic Fibrosis in Japan. S. Naruse,<sup>1</sup> H. Ishiguro,<sup>2</sup> A. Yamamoto,<sup>2</sup> S. Kondo,<sup>2</sup> M. Nakakuki,<sup>2</sup> M. Hoshino,<sup>1</sup> K. Fujiki,<sup>3</sup> M. Kitagawa,<sup>3</sup> K. Yoshimura,<sup>4</sup> T. Shimosegawa.<sup>5</sup> 1Departments of Medicine and Pediatrics, Miyoshi Municipal Hospital, Miyoshi; 2Laboratory of Human Nutrition, Nagoya University Graduate School of Medicine, Nagoya; 3Nagoya University of Art and Sciences, Nagoya; 4Omori Red Cross Hospital, Tokyo; 5Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan.

#### P3-3

Follow-up Strategy for IPMN of the Pancreas is Safe. M Del Chiaro,<sup>1</sup> R Segersvärd,<sup>1</sup> L Nilsson,<sup>1</sup> J Blomberg,<sup>1</sup> E Rangelova,<sup>1</sup> C Ansoorge,<sup>1</sup> R Pozzi-Mucelli,<sup>2</sup> N Kartalis,<sup>2</sup> M Lohr,<sup>1</sup> U Arnelo,<sup>1</sup> C Verbeke.<sup>3</sup> 1Karolinska Institute, Department of Surgery, Sweden; 2Karolinska Institute, Department of Radiology, Sweden; 3Karolinska Institute, Department of Pathology, Sweden.

#### P3-4

TRO40303 Reduces Mitochondrial Injury in Response to Fatty Acid Ethyl Esters and Ameliorates Alcoholic Pancreatitis. M.A.Javed,<sup>1,2</sup> L.Wen,<sup>1,2</sup> M.Awais,<sup>1,2</sup> T.Bordet,<sup>3</sup> M.Michaud,<sup>3</sup> S.Schaller,<sup>3</sup> R.Pruss,<sup>3</sup> A.Tepikin,<sup>2</sup> D.N.Criddle,<sup>1,2</sup> R.Sutton.<sup>1</sup> 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital and 2Department of Cellular and Molecular Physiology, University of Liverpool, UK; 3TROPHOS, Marseille, France.

# POSTER SESSIONS - SATURDAY

## P3-5

Long Term Survival in Patients with Pancreatic Ductal Adenocarcinoma. A. Stark,<sup>1</sup> M. Rochefort,<sup>1,2</sup> G. Sacks,<sup>1,2</sup> K. Hertzner,<sup>1</sup> J. Ankeny,<sup>1,2</sup> T. Donahue,<sup>1</sup> H. Reber,<sup>1</sup> J. Tomlinson,<sup>1,2</sup> G. Eibl,<sup>1</sup> O. Hines<sup>1</sup>. 1Department of Surgery, UCLA, Los Angeles, CA; 2Department of Surgery, GLA VA Healthcare System, Los Angeles, CA.

## P3-6

Timing of Cholecystectomy after Mild Biliary Pancreatitis: A Randomised Controlled Multicenter Trial. H. van Santvoort on behalf of the Dutch Pancreatitis Study Group, Dept. of Surgery, St. Antonius Hospital, Nieuwegein, The Netherlands.

## P3-7

Predictors of Post-Operative Pain Relief in Patients with Chronic Pancreatitis undergoing the Frey or Whipple Procedure. A. Sinha,<sup>1</sup> Y.A. Patel,<sup>1</sup> M. Cruise,<sup>2</sup> K. Matsukuma,<sup>2</sup> A. Zaheer,<sup>3</sup> D. Yadav,<sup>4</sup> M.A. Makary,<sup>5</sup> K. Hirose,<sup>5</sup> D.K. Andersen,<sup>6</sup> V.K. Singh<sup>1</sup>. 1Division of Gastroenterology, 2Department of Pathology, 3 Department of Radiology, 5 Department of Surgery, Johns Hopkins Hospital, Baltimore, MD; 4Division of Gastroenterology, University of Pittsburgh, Pittsburgh, PA; 6National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD.

## P3-8

The Treatment Strategy For the Patients with Borderline Resectable Pancreatic Cancer with Artery Involvement. S Hirono, M Tani, M Kawai, K Okada, M Miyazawa, A Shimizu, Y Kitahata, H Yamaue. Second Department of Surgery, Wakayama Medical University, Wakayama, Japan.

## P3-9

Downregulation of Sp1 Leads to ER Stress and Cell Death in Triptolide Treated Cells. P. Dauer, S. Banerjee, O. McGinn, A. Nomura, S. Modi, K. Majumder, R. Chugh, V. Dudeja, A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

## P3-10

Oral S-1 with Concurrent Radiotherapy Versus S-1 Alone in Patients with Locally Unresectable Pancreatic Cancer. H Shinchi,<sup>1</sup> S Takao,<sup>2</sup> K Maemura,<sup>3</sup> Y Mataka,<sup>3</sup> H Kurahara,<sup>3</sup> K Hiwatashi,<sup>3</sup> S Ino,<sup>3</sup> M Sakoda,<sup>3</sup> S Ueno,<sup>4</sup> S Natsugoe<sup>3</sup>. 1School of Health Sciences, 2 Frontier Science Research Center, 3Department of Gastroenterological Surgery, and 4Department of Clinical Oncology, Kagoshima University, Kagoshima, Japan.

## P3-11

Epigenetic Regulation Downstream of KRAS by the HP1-Histone Methyl Transferase Pathway Mediates Pancreatic Cancer Growth. G. Lomberk, A. Mathison, and R. Urrutia. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Mayo Clinic, Rochester, MN.

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## P3-12

The ABO Gene in Pancreatic Cancer: Non-O Phenotypes Increase the Risk for PDAC. K El Jellas,<sup>1,2</sup> H Immervoll,<sup>1,3</sup> KG Hagen,<sup>4</sup> S Aziz,<sup>2</sup> MB Kalvenes,<sup>1</sup> S Steine,<sup>1</sup> D Hoem,<sup>5</sup> S Johansson,<sup>6,7</sup> A Molven<sup>1,2,6</sup>. 1 Gade Laboratory for Pathology, University of Bergen; 2Department of Pathology, Haukeland University Hospital, Bergen; 3Department of Pathology, Ålesund Hospital; 4Department of Immunology and Transfusion Medicine, Haukeland University Hospital, Bergen; 5Department of Gastrointestinal Surgery, Haukeland University Hospital, Bergen; 6KG Jebsen Center for Diabetes Research, University of Bergen; 7Center for Medical Genetics and Molecular Medicine, Haukeland University Hospital, Bergen, Norway.

## P3-13

A Reliable Novel Entirely Continuous Running Suture of Transpancreatic Pancreaticojejunal Anastomosis: A Battle Against Postoperative Pancreatic Fistula. Z Wang, Q Ma, D Zhang, Z Wu Department of Hepatobiliary and Pancreas Surgery, Xi'an Jiaotong University, Xi'an, Shaanxi, China.

## P3-14

Valproic Acid Causes Pancreatitis by Inhibiting Histone Deacetylases and Provoking an Imbalance in Pancreatic Recovery. J.F. Eisses,<sup>1</sup> Z.R. Dionise,<sup>1</sup> S. Sah,<sup>1</sup> S. Sarwar,<sup>1</sup> A. Criscimana,<sup>2</sup> A.I. Orabi,<sup>1</sup> F. Esni,<sup>2</sup> and S.Z. Husain<sup>1</sup>. 1Pediatrics and 2Surgery, University of Pittsburgh, Pennsylvania, USA.

## P3-15

Prognostic Factors of Intraductal Papillary Mucinous Carcinoma. Y Okamura, T Sugiura, T Ito, Y Yamamoto, K Uesaka. Division of Hepato-Biliary-Pancreatic Surgery, Shizuoka Cancer Center Hospital, Shizuoka, Japan.

## P3-16

Metachronous Pancreatic Ductal Adenocarcinoma(PDAC) After Resection of Branch Duct Intraductal Papillary Mucinous Neoplasms 3-Month Interval of Surveillance CT/MR Still Insufficient for Early Detection. T. Abe,<sup>1</sup> H. Nakashima,<sup>1</sup> M. Nakamura,<sup>1</sup> M. Tanaka<sup>2</sup>. 1Department of Digestive Surgery, Kawasaki Medical College, Kurashiki, Japan; 2Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

# POSTER SESSIONS - SATURDAY

## P3-17

Cell-surface Profiling Reveals Ecto-5'-Nucleotidase (CD73) is Overexpressed in Pancreatic Cancer. R. S. Haun,<sup>1,2</sup> C. M. Quick,<sup>3</sup> E.R. Siegel,<sup>4</sup> and A. J. Tackett,<sup>5</sup> <sup>1</sup>Central Arkansas Veterans Healthcare System; Departments of <sup>2</sup>Pharmaceutical Sciences, <sup>3</sup>Pathology, <sup>4</sup>Biostatistics, and <sup>5</sup>Biochemistry & Molecular Biology, University of Arkansas for Medical Sciences; Little Rock, AR.

## P3-18

Extraction of Chinese Herbal Recipe Modified Da-Cheng-Qi Decoction could Alleviate Severe Acute Pancreatitis in Mice. J Ni,<sup>1</sup> D Su,<sup>1</sup> B Zhang,<sup>1</sup> Y Wang,<sup>1</sup> B Hao,<sup>1</sup> W Liu,<sup>3</sup> Y Wu,<sup>2</sup> X Feng<sup>3</sup>. <sup>1</sup>Department of Gastroenterology, 1st Affiliated Hospital to Nanjing Medical University, Nanjing, Jiangsu, China; <sup>2</sup>Yangzhou University, Yangzhou, Jiangsu, China; <sup>3</sup>Zhongshan Botanic Research Institute, Nanjing, Jiangsu, China.

## P3-19

Feeding Patients with Gastric Outlet Obstruction Undergoing Pancreatoduodenectomy: Routine Tube Feeding versus Early Oral Feeding. A. Gerritsen,<sup>1,2</sup> R. Wennink,<sup>2</sup> G. Kazemier,<sup>3</sup> I. Borel Rinkes,<sup>2</sup> D. Gouma,<sup>1</sup> O. Busch,<sup>1</sup> Q. Molenaar,<sup>2</sup> M. Besselink<sup>1</sup>. Dept of Surgery, <sup>1</sup>Academic Medical Center, Amsterdam; <sup>2</sup>University Medical Center, Utrecht; <sup>3</sup>VU Medical Center, Amsterdam, The Netherlands.

## P3-20

Ultrastructural Changes in the Pancreatic Acinar Cells in the Duct Infusion Model of Acute Pancreatitis in Sprague Dawley Rats. T.G. Jacob,<sup>1</sup> I.S. Vipin,<sup>2</sup> P. Sahni,<sup>2</sup> P.K. Garg,<sup>3</sup> T.S. Roy<sup>1</sup>. <sup>1</sup>Department of Anatomy; <sup>2</sup>Department of GI Surgery; <sup>3</sup>Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi, India.

## P3-21

A Comparative Study of Laparoscopic versus Open Pancreatoduodenectomy for Malignant lesions. Y. Khalid,<sup>1</sup> J. Barrie,<sup>1</sup> R. Deshpande,<sup>1</sup> D. O'Reilly,<sup>1</sup> N. De Liguori Carino,<sup>1</sup> B.J. Ammori<sup>2</sup>. <sup>1</sup>Department of Hepatopancreatobiliary Surgery, North Manchester General Hospital, Manchester, UK; <sup>2</sup>The University of Manchester, Manchester, UK.

## P3-22

Minimally Invasive Distal Pancreatectomy: A Single Centre Analysis of Outcome With Experience and Systematic Review of the Literature. J. Barrie,<sup>1</sup> B.J. Ammori<sup>2</sup>. <sup>1</sup>Department of Hepatopancreatobiliary Surgery, North Manchester General Hospital, Manchester, UK; <sup>2</sup>The University of Manchester, Manchester, UK.

## P3-23

Morphine as an analgesic increases injury to the pancreas in L-arginine induced model of acute pancreatitis. U Barlass, A Dixit, R Yuan, S Roy, R Dawra, A Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

## P3-24

Which Types of Periapillary Diverticulum is Risk Factor of the Post-ERCP Pancreatitis? HS Kim, JH Yoon, EJ Kim, SH Park, CS Bang, YS Kim, KT Suk, GH Baik, JB Kim, DJ Kim. Department of Internal Medicine, Hallym University College of medicine, Chuncheon, Korea.

## P3-25

Clinical Course of Poorly Differentiated Pancreatic Adenocarcinoma after Surgical Resection. N Hieda<sup>1</sup>, H Imaoka<sup>1</sup>, N Okuno<sup>1</sup>, T Yoshida<sup>1</sup>, T Sato<sup>1</sup>, H Tsutsumi<sup>1</sup>, T Hujiyoshi<sup>1</sup>, T Yogi<sup>1</sup>, M Ishihara<sup>2</sup>, T Tanaka<sup>2</sup>, S Hijioka<sup>1</sup>, K Hara<sup>1</sup>, M Tajika<sup>2</sup>, N Mizuno<sup>1</sup>, Y Shimizu<sup>3</sup>, Y Niwa<sup>2</sup>, K Yamao<sup>1</sup>. <sup>1</sup>Department of Gastroenterology, Aichi Cancer Center Hospital, Nagoya, Aichi, Japan; <sup>2</sup>Department of Endoscopy, Aichi Cancer Center Hospital, Nagoya, Aichi, Japan; <sup>3</sup>Department of Gastrointestinal Surgery, Aichi Cancer Center Hospital, Nagoya, Aichi, Japan.

## P3-26

Increasing the Inflammatory Competence of Macrophages with IL-6 or with Combination of IL-4 and LPS Restrain the Invasion of Pancreatic Cancer Cells. A. Koski,<sup>1</sup> H. Mustonen,<sup>1</sup> S. Vainionpää,<sup>1</sup> Z. Shen,<sup>2</sup> E. Kemppainen,<sup>1</sup> H. Seppänen,<sup>1</sup> P. Puolakkainen<sup>1</sup> <sup>1</sup>Department of Surgery, Helsinki University Central Hospital, Helsinki, Finland; <sup>2</sup>Department of Gastroenterological Surgery, Peking University People's Hospital, Beijing, China.

## P3-27

Prophylactic Intra-Peritoneal Drain Placement Following Pancreatoduodenectomy: A Systematic Review and Meta-analysis. P. Szatmary,<sup>1</sup> Y.C. Wang,<sup>2</sup> J.J. Xiong,<sup>2</sup> W. Huang,<sup>1</sup> I. Gomatos,<sup>1</sup> C.L. Tan,<sup>2</sup> Q.M. Nunes,<sup>1</sup> R. Sutton,<sup>1</sup> X.B. Liu<sup>2</sup>. <sup>1</sup>NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Institute of Translational Medicine, University of Liverpool, Liverpool, UK; <sup>2</sup>Department of Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, China.

## P3-28

Gene Expression Profiling of Ppif<sup>-/-</sup> mice in Experimental Acute Pancreatitis. L. Wen,<sup>1</sup> J. Armstrong,<sup>1</sup> B. Lane,<sup>1</sup> L. Rainbow,<sup>2</sup> D. Latawiec,<sup>1</sup> D.N. Criddle,<sup>1</sup> R. Sutton<sup>1</sup>. <sup>1</sup>NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital; <sup>2</sup>Centre for Genomic Research, University of Liverpool, Liverpool, United Kingdom.

## P3-29

Clinical Efficacy of Neoadjuvant Chemoradiation Therapy for Locally Advanced Pancreatic Cancer. N Chiba, T Wakabayashi, M Okihara, K Tomita, K Takano, M Shimazu, S Kawachi. Department of Digestive and Transplantation Surgery, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan.

## P3-30

Close Association Between IgG4-related Disease and Malignancy: An Analysis of 158 Patients Following Long-Term Follow-Up. J. Asano,<sup>1</sup> S. Kawa,<sup>2</sup> T. Oguchi,<sup>1</sup> K. Kanai,<sup>1</sup> T. Ito,<sup>1</sup> T. Muraki,<sup>1</sup> H. Hamano,<sup>1</sup> N. Arakura.<sup>3</sup> <sup>1</sup>Department of Gastroenterology, Shinshu University School of Medicine, Matsumoto, Japan; <sup>2</sup>Center for Health, Safety, and Environmental Management, Shinshu University School of Medicine, Matsumoto, Japan; <sup>3</sup>Endoscopic Examination Center, Shinshu University School of Medicine, Matsumoto, Japan.

# POSTER SESSIONS - SATURDAY

## P3-31

Combined MEK and STAT3 Inhibition Overcomes Chemoresistance and Alters the Immune Microenvironment in Pancreatic Cancer. J. Castellanos,<sup>1</sup> N. Nagathihalli,<sup>1,2</sup> Y. Xiong,<sup>1</sup> N. Merchant<sup>1,2</sup>. <sup>1</sup>Departments of <sup>1</sup>Surgery and <sup>2</sup>Cancer Biology, Vanderbilt University Medical Center, Nashville, TN.

## P3-32

Glucagon-like Peptide 1 Receptor in Pancreatic Cancer. A.I. Cases,<sup>1</sup> T. Ohtsuka,<sup>1</sup> B. Zheng,<sup>1</sup> K. Horioka,<sup>1</sup> Y. Oda,<sup>2</sup> K. Mizumoto,<sup>1</sup> M. Tanaka<sup>1</sup>. <sup>1</sup>Departments of Surgery and Oncology and <sup>2</sup>Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

## P3-33

KRAS Mutations Occur as an Early Event in Neoplastic Transformation of Intraductal Papillary Mucinous Neoplasms of the Pancreas. S. Fritz,<sup>1</sup> A. Tampakis,<sup>1</sup> J.H. Youm,<sup>1</sup> F. Bergmann,<sup>2</sup> M. Klaus,<sup>3</sup> L. Schneider,<sup>1</sup> J. Kaiser,<sup>1</sup> T. Hackert<sup>1</sup>, O. Strobel,<sup>1</sup> J. Werner,<sup>1</sup> M.W. Büchler<sup>1</sup> <sup>1</sup>Department of General, Visceral and Transplantation Surgery; <sup>2</sup>Institute of Pathology; <sup>3</sup>Department of Diagnostic and Interventional Radiology; University of Heidelberg, Im Neuenheimer Feld 110, 69120 Heidelberg, Germany.

## P3-34

Comparison of Early Needle-Knife Fistulotomy and Double-Guidewire Technique in Patients with Repetitive Unintentional Pancreatic Cannulations. S.J. Kim,<sup>1</sup> D.H. Kang,<sup>2</sup> H.W. Kim,<sup>1</sup> C.W. Choi,<sup>1</sup> S.B. Park,<sup>1</sup> B.J. Song,<sup>1</sup> D.G. Kang<sup>1</sup>, Y.S. Shin<sup>1</sup>. <sup>1</sup>Department of Internal Medicine, Pusan National University Yangsan Hospital, Yangsan, South Korea; <sup>2</sup>Department of Internal Medicine, Pusan National University Hospital, Busan, South Korea.

## P3-35

Open Versus Laparoscopic Distal Pancreatectomy: Study Protocol of a Randomised Controlled Multicenter Trial (OVERLAP-Trial). M. Hafezi, M.K. Diener, A. Mehrabi, B. Müller, P. Probst and T. Hackert. Department of General, Visceral, and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany.

## P3-36

Triptolide Inhibits NF- $\kappa$ B Mediated Pro-Inflammatory Cytokines Production in Macrophage and Acinar Cells. A. Sareen, R. Dawra and A.K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis MN.

## P3-37

Neuroendocrine Tumor of the Pancreas: A Clinicopathological Analysis of 36 Cases. J Itakura, M Watanabe, A Maki, H Amemiya, H Kawaida, H Kohno. Department of Surgery, University of Yamanashi, Yamanashi, Japan.

## P3-38

Complications Associated With Endoscopic Ultrasound-Guided Fine Needle Aspiration of Solid Pancreatic Lesions. H. Miwa,<sup>1</sup> K. Sugimori,<sup>2</sup> T. Ishii,<sup>2</sup> T. Kaneko,<sup>2</sup> K. Numata,<sup>2</sup> K. Tanaka,<sup>2</sup> S. Maeda<sup>1</sup>. <sup>1</sup>Division of Gastroenterology, Yokohama City University School of Medicine, Yokohama, Japan; <sup>2</sup>Gastroenterological Center, Yokohama City University Medical Center, Yokohama, Japan

## P3-39

The Effect of Leptin for PDX-1 Promoter Activity in the Islet Beta Cell Specific Manner. A Kurosawa,<sup>1,2</sup> A Miki,<sup>1,2</sup> W Nishimura,<sup>3</sup> T Kimura,<sup>2</sup> K Nanmoku,<sup>2</sup> Y Sakuma,<sup>1,2</sup> Y Sanada,<sup>1</sup> H Sasanuma,<sup>1</sup> K Morishima,<sup>1</sup> N Kasahara,<sup>1</sup> T Yagisawa,<sup>2</sup> N Sata,<sup>1</sup> Y Yasuda<sup>1</sup>. <sup>1</sup>Department of Surgery, Jichi Medical University, Tochigi, Japan; <sup>2</sup>Surgical Branch, Institute of Kidney Diseases, Jichi Medical University Hospital, Tochigi, Japan; <sup>3</sup>Department of Metabolic Disorder, Diabetes Research Center, National Center for Global Health and Medicine, Tokyo, Japan.

## P3-40

Impact of Genetic Testing in Children with Idiopathic Pancreatitis. A. Parniczky,<sup>1</sup> N. Laszity,<sup>1</sup> C. Andorka,<sup>2</sup> G. Veres,<sup>2</sup> J. Czelecz,<sup>3</sup> R. Szmola,<sup>4</sup> B.C. Nemeth,<sup>5</sup> A. Balazs,<sup>5</sup> E. Hegyi,<sup>5</sup> I. Hritz,<sup>5</sup> P. Hegyi,<sup>5</sup> and M. Sahin-Tóth<sup>6</sup>. on behalf of the Hungarian Pancreatitis Study Group. <sup>1</sup>Heim Pal Children's Hospital Budapest, Hungary; <sup>2</sup>1st Dept. of Pediatrics, Semmelweis Univ., Budapest, Hungary; <sup>3</sup>Bethesda Children's Hospital, Budapest, Hungary; <sup>4</sup>2nd Dept. of Medicine, Semmelweis Univ., Budapest, Hungary; <sup>5</sup>2nd Dept. of Medicine, Univ. of Szeged, Szeged, Hungary; <sup>6</sup>Dept. of Molecular and Cell Biology, Boston Univ. Medical Center, Boston, USA.

## P3-41

Grave Clinical Course of Pancreatic Invasive Carcinoma Derived from Branch Duct-Type IPMN: A Case Series. S.M. Park, J.G. Park, K.B. Kim, J.Y. Lee, M.J. Kim, J.-H. Han, S.M. Yoon, H.B. Chae, S.J. Youn. Department of Internal medicine, Chungbuk National University College of Medicine, Cheongju, Korea.

## P3-42

Pyogenic Pancreatic Abscess Mimicking Pancreatic Neoplasm; A Case Series. S.M. Park, J.G. Park, K.B. Kim, J.Y. Lee, M.J. Kim, J.-H. Han, S.M. Yoon, H.B. Chae, S.J. Youn. Department of Internal medicine, Chungbuk National University College of Medicine, Cheongju, Korea.

## P3-43

Cyst Fluid Kynurenine May Predict IPMNs Among Pancreatic Cysts. K. Pham,<sup>1</sup> T. Zikos,<sup>1</sup> A. Chen,<sup>1</sup> S. Banerjee,<sup>1</sup> S. Friedland,<sup>1</sup> M. Dua,<sup>2</sup> J.A. Norton,<sup>2</sup> G. Poultsides,<sup>2</sup> B. Visser,<sup>2</sup> R. Stafford,<sup>1</sup> W.G. Park<sup>1</sup>. <sup>1</sup>Department of Medicine and <sup>2</sup>Department of Surgery, Stanford University School of Medicine, Stanford, CA, USA.

## P3-44

Vitamin D Reduces Proliferation and Collagen I Expression in Pancreatic Stellate Cells in vitro. M. Bläuer,<sup>1</sup> N.H. Ikonen,<sup>1</sup> J. Sand,<sup>1,2</sup> J. Laukkarinen<sup>1,2</sup>. <sup>1</sup>Tampere Pancreas Laboratory; <sup>2</sup>Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland.

# POSTER SESSIONS - SATURDAY

## P3-45

Delayed Gastric Emptying by Straight Stomach Reconstruction after Pylorus-Preserving Pancreaticoduodenectomy. Y Toyoki, K Ishido, D Kudo, N Kimura, S Sakuraba, K Hakamada. Department of Gastroenterological surgery, Hirosaki University Graduate School of Medicine.

## P3-46

Persisting Elevation of Postoperative CRP Predicts Outcome of Patients with Curative Distal Pancreatectomy for Pancreatic Cancer. S.Yamazoe R.Amano K.Kimura K.Hirata K.Miura K.Hirakawa. Department of Surgical Oncology (First Department of Surgery) Osaka City University Graduate School of Medicine, Osaka, Japan.

## P3-47

Subtle Abnormalities in Glucose Regulation and Islet Function In Non-Diabetic Adults with Chronic Pancreatitis. R. Lundberg, G.J. Beilman, Ty B. Dunn, T.L. Pruett, M.L. Freeman, M. Arain, P. Ptacek, K.L. Berry, J.J. Wilhelm, M.D. Bellin. University of Minnesota, Minneapolis, MN.

## P3-48

Diagnostic Yield of EUS-FNA Without On-Site Cytopathology Is Improved With Increased Number of Needle Passes. D. Eshtiaghpour, S. Reicher, V. Eysselein, A Datta. Department of Gastroenterology, Harbor-UCLA Medical Center, Torrance, CA.

## P3-49

Diet-Induced Obesity Results in Robust Differential Inflammation of Peripancreatic and Visceral Adipose Tissue Depots in the KrasG12D Mouse Model of Pancreatic Cancer. K.M. Hertzner, A. Moro, O.J. Hines, G. Eibl. Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA.

## P3-50

Impact of Preoperative EUS in Patients Undergoing Surgery for Solid and Cystic Lesions of the Pancreas. A. Schlachterman,<sup>1</sup> J.B. Williamson,<sup>1</sup> S. S. Chauhan.<sup>1</sup> 1Dept of Internal Medicine, Division of Gastroenterology University of Florida College of Medicine, Gainesville, FL.

## P3-51

Disruption of ZIP4 from Lipid Rafts: a Novel Therapeutic Strategy for Pancreatic Cancer. X. Sun,<sup>1</sup> 2 Y. Wang,<sup>1</sup> 2 Y. Zhang,<sup>3</sup> J. Yang,<sup>2</sup> X. Cui,<sup>2</sup> Z. Li,<sup>1</sup> M. Li,<sup>2</sup> 1Department of Gastroenterology, Changhai Hospital, Second Military Medical University, Shanghai, China; 2Vivian L. Smith Department of Neurosurgery, University of Texas Health Science Center, Houston, TX; 3University of Texas, M.D. Anderson Cancer Center, Houston, TX.

## P3-52

Novel Function of NRP-2 Axis in Pancreatic Cancer. S Dutta, S Batra, K Datta. Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha; Nebraska. Buffett Cancer Center, Eppley Cancer Institute, University of Nebraska Medical Center, Omaha, Nebraska.

## P3-53

Early Zymogen Activation in Experimental Pancreatitis is Independent of ATG5-related Autophagy. T. Wartmann,<sup>1</sup> R. Fischer,<sup>1</sup> M. Fedeler,<sup>1</sup> K. Diakopoulos,<sup>2</sup> H. Algül,<sup>2</sup> M. M. Lerch,<sup>3</sup> J. Mayerle,<sup>3</sup> C. Bruns,<sup>1</sup> and W. Halangk<sup>1</sup>. 1Department of Surgery, Magdeburg University, Germany, 2Department of Gastroenterology, Technical University Munich, Germany; 3Department of Medicine A, University Medicine Greifswald, Germany.

## P3-54

Body Mass Index and Outcomes in a Cohort of Resected Pancreatic Cancer Patients. A. Hendifar, A. Osipov, J. Naziri, W. Yang, N. Nissen, R. Tuli. Samuel Oschin Comprehensive Cancer Center, Cedars Sinai Medical Center, Los Angeles, California, USA, Department of Medicine, David Geffen School of Medicine, Los Angeles, California, USA.

## P3-55

Effect of Guggulsterone and Resveratrol on Prevention of Acute Pancreatitis in Mouse Model. J. M. Park,<sup>1,2,3</sup> S. H. Lee,<sup>1,2</sup> K. H. Chung,<sup>1,2</sup> J. K. Ryu,<sup>1,2</sup> Y-T. Kim,<sup>1,2</sup> N. Y. Kim<sup>4</sup>. 1Departments of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea; 2Departments of Internal Medicine, Seoul National University Hospital, Seoul, Korea; 3Department of Internal Medicine, Kangwon National University School of Medicine, Kangwon National University Hospital, Chuncheon, Korea; 4Asan Institute for Life Sciences, Asan Medical Center, Seoul, Korea.

## P3-56

Efficacy of Recombinant Human Soluble Thrombomodulin During the Clinical Course in Severe Acute Pancreatitis With Disseminated Intravascular Coagulation. T. Eguchi, T. Hasegawa, M. Kurosawa, H. Yamashita, T. Fukuchi, D. Itou, and K. Ashida. Department of Gastroenterology and Hepatology, Osaka Saiseikai Nakatsu Hospital, Osaka, Japan.

## P3-57

Efficacy of Repeated Cytology for Early Detection of Pancreatic Cancer. Two Cases Diagnosed using Pancreatic Juice Cytology Obtained via Endoscopic Naso-Pancreatic Drainage Tube. S.Kato,<sup>1</sup> K.Chinen,<sup>1</sup> K.Kikuchi,<sup>1</sup> T.Murakami,<sup>2</sup> F.Kunishima<sup>3</sup>. 1Department of Gastroenterology, 2Surgery, 3Pathology; Okinawa Chubu Hospital, Okinawa, Japan

## P3-58

Expression and Functional Characterization of Bitter Taste Receptors in Rat Pancreas. S.V. Wu,<sup>1,4</sup> H. Pham,<sup>2</sup> M. Million,<sup>2</sup> M.C. Chen,<sup>1</sup> V.L.W. Go<sup>1</sup> and M. Jiang<sup>3</sup> 1Center for Excellence in Pancreatic Diseases, 2Division of Digestive Diseases, Department of Medicine, 3Department of Pharmacology, David Geffen School of Medicine at UCLA; 4VA Greater Los Angeles Healthcare System, Los Angeles, CA, USA

# POSTER SESSIONS - SATURDAY

## P3-59

Elevation of circulating histones represents disease severity in human and murine acute pancreatitis. T. Liu<sup>1</sup>, Z.X. Cheng<sup>2</sup>, D.H. Su<sup>1</sup>, P. Szatmary<sup>4</sup>, W. Huang<sup>4</sup>, S. Abrams<sup>1,3</sup>, I. Welters<sup>5</sup>, R. Sutton<sup>4</sup>, G. Wang<sup>1</sup>, C.H. Toh<sup>1,3</sup>. <sup>1</sup>Institute of Infection and Global Health, University of Liverpool, Liverpool, UK; <sup>2</sup>Medical School, Southeast University, Nanjing, China; <sup>3</sup>National Institute of Health Research (NIHR) Biomedical Research Centre, <sup>4</sup>NIHR Liverpool Pancreas Biomedical Research Unit, and <sup>5</sup>Department of Intensive Treatment Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK

## P3-60

Enucleation is a Feasible and Safe Procedure for Selected Patients with Pancreatic Tumors. W. Gao, X. Liu, Z. Qian, C. Dai, K. Jiang, J. Wu, Q. Li, F. Guo, J. Chen, J. Wei, Z. Lu, Y. Miao, Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China.

## P3-61

Pancreatic Metastases Originating From Uterine Leiomyosarcoma: A Case Report. S.O. Dima,<sup>2</sup> N. Bacalbasa,<sup>2</sup> M. Eftimie,<sup>1</sup> L. David,<sup>1</sup> M. Boros,<sup>3</sup> D. Tomescu,<sup>4</sup> I. Popescu<sup>1</sup>. <sup>1</sup>Center of General Surgery and Liver Transplantation „Dan Setlacec”, Fundeni Clinical Institute, Bucharest, Romania; <sup>2</sup>Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania; <sup>3</sup>Dept Radiol, Fundeni Clinical Institute, Bucharest, Romania; <sup>4</sup>Dept Anaesthesia & Intens Care, Fundeni Clinical Institute, Bucharest, Romania.

## P3-62

The Role of MAP4K4 and S100A4 in Pancreatic Ductal Adenocarcinoma. S.O. Dima,<sup>1</sup> V. Tica,<sup>1</sup> M.Eftimie,<sup>1</sup> A. Nastase,<sup>1</sup> N. Bacalbasa,<sup>1</sup> V. Herlea,<sup>3</sup> C. Diaconu,<sup>2</sup> C. Bleotu,<sup>2</sup> M. Chivu-Economescu,<sup>2</sup> V. Herlea,<sup>4</sup> D. Duda,<sup>4</sup> I. Popescu<sup>1</sup>. <sup>1</sup>Center of Digestive Diseases and Liver Transplantation, Fundeni Clinical Institute, Bucharest, Romania; <sup>2</sup>Stefan S Nicolau Institute of Virology, Bucharest, Romania; <sup>3</sup>Department of Pathology, Fundeni Clinical Institute, Bucharest, Romania; <sup>4</sup>Department of Radiation Oncology, Harvard Medical School, Boston, USA.

## P3-63

Fate Of The Portal Vein After Pancreatoduodenectomy For Periampullary Cancers: Patency Rate And Associated Complications. MJ Kang, J-Y Jang, W Jung, J Chang, S-W Kim. Department of Surgery, Seoul National University College of Medicine, Seoul, Korea.

## P3-64

Survival Analysis for Locally Extending Pancreatic Cancer Patients. M. Sugimoto, J.G. Barton, L.W. Traverso. Center for Pancreatic Disease, St. Luke's Health System, Boise, ID, USA.

## P3-65

Fisetin Attenuates Cerulein-Induced Acute Pancreatitis Through Down Regulation of JNK and NF- $\kappa$ B Signaling Pathways. I-J Jo,<sup>1</sup> S B Choi,<sup>1</sup> D-G Kim,<sup>1</sup> J-Y Shin,<sup>1</sup> G-S Bae,<sup>2</sup> S-J Park<sup>1,2</sup>. <sup>1</sup>BK21 plus team, Professional graduate school of Oriental medicine, Wonkwang University, Iksan, Jeonbuk 540-749, South Korea; <sup>2</sup>Hanbang Body-fluid Research Center, Wonkwang University, Iksan, Jeonbuk 540-749, South Korea.

## P3-66

Triptolide Induces Epigenetic Modification in Pancreatic Cancer. K. Majumder, R. Chugh, S. Modi, N.Arora, S.Banerjee, A. Saluja, V. Dudeja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

## P3-67

Functional Characterization of Carboxypeptidase A1 (CPA1) Variants in Chronic Pancreatitis. A. Geisz, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University Medical Center, Boston, MA, USA.

## P3-68

Osteoprotegerin is a Pro-tumorigenic Factor for Pancreatic Cancer. S. K. Morvaridi,<sup>1,2</sup> H. Kanzaki,<sup>1,3</sup> M. Edderkaoui,<sup>1,2</sup> S. J. Pandol,<sup>1,2</sup> R. Murali<sup>1</sup>. <sup>1</sup>Department of Biomedical Sciences, <sup>2</sup>Department of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA; <sup>3</sup>Department of Pharmacy, Okayama University Hospital, Okayama, Okayama, Japan.

## P3-69

Genome-wide RNAi Screening Identified Lethal Giant Larvae 1 as a Gemcitabine-sensitizing Gene in Pancreatic Ductal Adenocarcinoma. Y Zhu,<sup>1</sup> Y Chen<sup>1,2</sup>. <sup>1</sup>School of Biomedical Sciences, Faculty of Medicine, the Chinese University of Hong Kong; <sup>2</sup>Shenzhen Research Institute, the Chinese University of Hong Kong.

## P3-70

GSK3 Inhibition Regulates the Master Regulator of Autophagy and Lysosomal Biogenesis TFEB in Pancreatic Cancer Cells. B. Marchand, A. Raymond-Fleury, and M.-J. Boucher. Dept. of Medicine/Div. of Gastroenterology, Univ. of Sherbrooke, Sherbrooke, Canada.

## P3-71

High-Risk Pancreatic Cancer Patients and Quality of Life. S. Han, J. Kheder, D. Kaufman, L. Bocelli, A. Wachholtz, W. Wassef Department of Gastroenterology, University of Massachusetts Medical School, Worcester, MA.

## P3-72

Role of YAP-MST1R Signaling Axis in Pancreatitis and Pancreatic Cancer. S. Morvaridi,<sup>1</sup> J.M. Huang,<sup>2</sup> S. Pandol,<sup>1</sup> and Q. Wang<sup>1</sup>. <sup>1</sup>Pancreatic Research Program; <sup>2</sup>Women's Cancer Program, Cedars-Sinai Medical Center, Los Angeles, CA, USA.

## P3-73

The Drain Management after Laparoscopic Distal Pancreatectomy. T Okada, Y Iimuro, T Hirano, Y Asano, K Suzumura, I Nakamura, Y Kon-do, H Kosaka, S Hai, H Sueoka, J Fujimoto. Dept of Surgery, Hyogo College of Medicine, Nishinomiya, Japan.

## P3-74

Tyrosine Phosphorylation of Focal Adhesion Anchoring Protein Enhances Human Pancreatic Cancer Cell Invasion. H Okamoto<sup>1,2</sup>, T Kusama<sup>1,3</sup>, H Fujii<sup>1</sup>. <sup>1</sup>Department of Gastrointestinal, Breast & Endocrine Surgery, University of Yamanashi, Faculty of Medicine; <sup>2</sup>Department of Surgery, Tsuru Municipal Hospital, Yamanashi, Japan; <sup>3</sup>Department of Medical Oncology, Shinko Hospital., Kobe, Japan



# POSTER SESSIONS - SATURDAY

## P3-75

Comparison of International Consensus Guidelines 2012 versus 2006 in Distinguishing Benign from Malignant IPMN. DU Kim, GA Song, DH Baek, KJ Lee, TU Kim, JS Lee. Department of Internal Medicine, Pusan National University School of Medicine, Busan, Korea.

## P3-76

Metallic Biliary Stenting vs. Surgical Bypass in the Palliative Management for Malignant Distal Biliary Obstruction in Unresectable Pancreatic Ductal Adenocarcinoma. T. Hisano, Y. Nagasio, T. Suzuki, M. Furukawa. Department of Hepato-biliary-pancreatology, National Kyushu Cancer Center, Fukuoka, Japan.

## P3-77

Roux-en-Y Reconstruction of Pancreaticojejunostomy as a Salvage Procedure for Severe Pancreatic Fistula after Pancreaticoduodenectomy. Y. Miao, W. Gao, K. Jiang, J. Wu, J. Chen, F. Guo, J. Wei, Z. Lu, S. Lin. Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China.

## P3-78

Whipple Procedure: Pancreatic Jejunostomy Presentation of a Novel Anastomosis. C.E. Rodríguez, J. Targarona, G. Coayla, L. Barreda. Department of Surgery, Pancreatic Division, E. Rebagliati M. Hospital Essalud, Lima, Peru.

## P3-79

Oncocytic Type IPMN: a Unique Malignant Subset with Good Long-Term Prognosis. G. Marchegiani,<sup>1</sup> M. Mino Kenudson,<sup>2</sup> C. Ferrone,<sup>1</sup> A.L. Warshaw,<sup>1</sup> K. Lillemoie,<sup>1</sup> C. Fernandez-del Castillo.<sup>1</sup> 1Departments of Surgery and 2Pathology, Massachusetts General Hospital, Boston.

## P3-80

Conversion Surgery for Locally-Advanced Unresectable Pancreatic Cancer: Is There Any Role? K Wada, K Sano, H Amano, F Miura, N Toyota, H Ito, Y Aoyagi, M Shibuya, Y Ikeda, M Kainuma, K Takahashi. Department of Surgery, Teikyo University School of Medicine, Tokyo, Japan.

## P3-81

The Reciprocal Role of Endosomal Trafficking and the Unfolded Protein Response in Acinar Differentiation. EK Jones\*, SW Messenger\*, GE Groblewski. University of Wisconsin, Madison, WI.

## P3-82

Long-Term Corticosteroid Therapy of Autoimmune Pancreatitis. J Tahara, T Kaise, T Shioga, Y Takayama, K Shimizu, K Shiratori. Department of Gastroenterology, Tokyo Women's Medical University, Tokyo, Japan.

## P3-83

Predictive Factors for Change of Diabetes Mellitus Status after Pancreatectomy in Preoperative Diabetic and Non-diabetic Patients. K Hirata, B Nakata, R Amano, S Yamazoe, K Kimura, K Hirakawa, Department of Surgical Oncology, Osaka City University Graduate School of Medicine, Osaka, Japan.

## P3-84

Pathophysiological Relevance of Aquaporins in Pancreatic Ductal Cells. V Venglovecz,<sup>1</sup> VL Kemény,<sup>1,2</sup> Z Rakonczay Jr.,<sup>2</sup> Á Zvara,<sup>3</sup> L Puskás,<sup>3</sup> P Hegyi.<sup>2</sup> 1Department of Pharmacology and Pharmacotherapy, 2First Department of Medicine, University of Szeged, 3Laboratory of Functional Genomics, Biological Research Centre, Szeged, Hungary.

## P3-85

The Role of ER Stress, CaSR and GPRC6a in Experimental Acute Pancreatitis Induced by Amino Acids. W. Huang,<sup>1,2</sup> M. Chvanov,<sup>1</sup> T. Jin,<sup>2</sup> L. Wen,<sup>1,2</sup> D.N. Criddle,<sup>1</sup> A.V. Tepikin,<sup>1</sup> R. Sutton.<sup>1</sup> 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK; 2Department of Integrated Traditional and Western Medicine, West China Hospital, Chengdu, China.

## P3-86

The Role of a Multidisciplinary Tumor Board in the Management of Complex Pancreatic Disease. L.A. Shirley, L. Malhotra, M. Bloomston, C.R. Schmidt, E.C. Ellison, E. Haverick, D.L. Conwell, P. Muscarella. Departments of Surgery and Medicine, The Ohio State University Wexner Medical Center, Columbus, OH.

## P3-87

Modifications in Isolation Methods for Pancreatic Stellate Cells from Human and Rodent Pancreas. L. Tian, Z. Lu, P. Wu, B. Cai, Y. Zhu, J. Zhang, Q. Du, K. Jiang, Y. Miao. Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China.

## P3-88

Nurse Practitioner in a Team Model Provides Enhanced Patient Access with High Patient Satisfaction in Pancreas Clinic. LD Pisney, ST Chari, JE Clain, T Dahl, FC Gleeson, A Gossard, P Hart, MJ Levy, RK Pearson, BT Petersen, MD Topazian, SS Vege. Department of GI/Hepatology, Mayo Clinic Rochester, MN.

## P3-89

Role of Endothelin Axis in Recruitment of Tumor Associated Macrophages in Pancreatic Cancer. S. Gupta,<sup>1</sup> S. Rachagani,<sup>1</sup> S.L. Johansson,<sup>2</sup> S. Kumar,<sup>1</sup> S.K. Batra,<sup>1,3,4</sup> K. Datta and M. Jain<sup>1,3,4</sup>. 1Departments of Biochemistry & Molecular Biology; 2Pathology & Microbiology; 3Eppley Institute for Research in Cancer & Allied Diseases; 4The Fred and Pamela Buffet Cancer Center; University of Nebraska Medical Center, Omaha, NE.

## P3-90

Technical Refinement of Pancreatoduodenectomy. M. Sugiyama, Y. Suzuki, M. Yokoyama, T. Nakazato, N. Abe, T. Masaki, T. Mori. Department of Surgery, Kyorin University School of Medicine, Tokyo, Japan.

# POSTER SESSIONS - SATURDAY

## P3-91

Correlation of Serum High-Mobility Group Box 1 (HMGB1), Heat Shock Protein 70 (Hsp70) and Cytokines With Mortality and Severity in Acute Pancreatitis (AP). E Ferat-Osorio,<sup>1,2</sup> I Boscó-Gárate,<sup>1</sup> JL Martínez-Ordaz,<sup>2</sup> I Wong-Baeza,<sup>3</sup> L Arriaga-Pizano,<sup>1</sup> M Gutiérrez-Mendoza,<sup>1</sup> P Sánchez-Fernandez,<sup>2</sup> C López-Macías,<sup>1</sup> M Pelaez-Luna,<sup>4</sup> R Torres-González,<sup>5</sup> A Isibasi<sup>1</sup>. 1. Medical Research Unit on Immunochemistry; 2. Gastrointestinal Surgery Department Specialties Hospital, National Medical Centre "SXXI", IMSS; 3. Immunology Department, National School of Biological Sciences, IPN; 4. Pancreas Clinic. INCMNSZ and Research Division, School of Medicine, UNAM; 5. Health Research Division, Trauma and Orthopedic Hospital, IMSS, Mexico City, Mexico.

## P3-92

Intravenous Injection of Fiber-Redesigned Oncolytic Adenovirus Eliminates PDAC Tumors in Vivo. Y Miura,<sup>1,2</sup> M Sato,<sup>1</sup> and M Yamamoto<sup>1</sup>. 1Department of Surgery, University of Minnesota, Minneapolis, MN, USA; 2Third Department of Medicine, Toyama University, Toyama, Japan.

## P3-93

A Systematic Review and Meta-analysis of Laparoscopic versus Open Distal Pancreatectomy for Benign and Malignant Lesions of the Pancreas: It's Time to Randomize. A. Majlesara, M. Hafezi, J. Arvin, M.W. Büchler, T. Hackert, M.K. Diener, A. Mehrabi. Department of General, Visceral, and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany.

## P3-94

Up-regulation of CXCR2 and its ligands in severe acute pancreatitis. A Purohit, S Kumar, S Kaur, S Rachagani, M Varney, SK Batra, RK Singh. Buffett Cancer Center, Department of Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE.

## P3-95

Vanin-1 as A Biomarker for Pancreatic Cancer Associated New-onset Diabetes Has Been Proven in Clinical and Laboratory Research. M.X. Kang Ph.D., X. Dong M.D., W.J. Lu M.D., Y.L. Wu Ph.D. & M.D.\* Department of Surgery, 2nd Affiliated Hospital, Medical School, Zhejiang University, Hangzhou, China

## P3-96

IgG4 Level in Pancreatic Juice – Update of a Pilot Study. MJ Bartel,<sup>1</sup> KKB Kyanam,<sup>1</sup> J Hoyne,<sup>2</sup> L McCrone,<sup>1</sup> TA Woodward,<sup>1</sup> MB Wallace,<sup>1</sup> M Raimondo<sup>1</sup>. 1Dept of Gastroenterology, Mayo Clinic, Jacksonville, FL; 2Laboratory Medicine and Pathology, Mayo Clinic, Jacksonville, FL.

## P3-97

Post-Operative Treatment for Resected Pancreatic Cancer with Positive Peritoneal Cytology. A. Todaka,<sup>1</sup> A. Fukutomi,<sup>1</sup> K. Uesaka,<sup>2</sup> T. Sugiyura,<sup>2</sup> H. Yasui.<sup>1</sup> 1Division of Gastrointestinal Oncology and Endoscopy; 2Department of Hepato-Biliary-Pancreatic Surgery, Shizuoka Cancer Center, Shizuoka, Japan.

## P3-98

Predictors of Parenchymal and Ductal EUS Abnormalities in Patients without Pancreatic Disease. TB Gardner, SR Gordon. Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA.

## P3-99

Pancreaticoduodenectomy with Preservation of Gastroduodenal Artery: Report of Two Cases. K. Kamei, I. Matsumoto, Y. Nakata, S. Satoi, H. Ishikawa, T. Nakai, and Y. Takeyama. Department of Surgery Kinki University Faculty of Medicine, Osaka, Japan.

## P3-100

Race and Gender Differences in Chronic Pancreatitis (CP): Analysis of Nationwide Inpatient Sample (NIS) from 2003 to 2011. J. Behzadi,<sup>1</sup> D. L. Conwell,<sup>2</sup> A. Hinton,<sup>3</sup> S. G. Krishna<sup>2</sup>. 1Department of Internal Medicine; 2Section of Pancreatic disorders, Department of Gastroenterology; 3Division of Biostatistics, The Ohio State University Wexner Medical Center, Columbus, OH.

## P3-101

Minnelide Causes Stromal Lysis and Improves Drug Delivery in Pancreatic Cancer. S. Banerjee, S. Modi, K. Majumdar, V. Dudeja, S. M. Vickers, A. Saluja. Division of Basic and Translational Research, Dept. of Surgery, University of Minnesota, Minneapolis, USA.

## P3-102

Retrospective Examination of Prediagnostic CT Findings of Pancreatic Cancer. H Aoki,<sup>1</sup> Y Tada,<sup>2</sup> T Iwao,<sup>2</sup> K Yoshida<sup>1</sup>. 1Div. Interventional Bilio-pancreatology, Kawasaki Medical School, Okayama, Japan; 2Advanced Research Institute of Gastroenterological Imaging, Fukushima, Japan.

## P3-103

Chylous Ascites Secondary to Acute Pancreatitis: An Uncommon Complication. A. L. Yang, P. A. Hart, S. S. Vege. Division of Gastroenterology & Hepatology, Mayo Clinic, Rochester, MN.

## P3-104

A Case of Lymphoepithelial Cyst of the Pancreas. Y. Tedokon, A. Uejyo, H. Kawamoto, I. Nisijima, M. Eguchi, Y. Nakasone, Y. Ikehara, R. Ikemura, T. Tamae, K. Miyagi, K. Iha. Department of Surgery, Chubu Tokusuyukai Hospital, Okinawa City, Japan.

## P3-105

Comparison of Different Surgical Techniques in Distal Pancreatectomy: An Experimental Study in a Porcine Model. A. Saffari, T. Gehrig, H. Fonouni, B.P. Müller-Stich, M. Golriz and A. Mehrabi. Department of General, Visceral and Transplanted Surgery, University of Heidelberg, Heidelberg, Germany.

## P3-106

Receptor for Hyaluronic Acid-Mediated Motility Expression in Human Pancreatic Cancer Cells and Tissues. X.B. Cheng, K. Yamaguchi, S. Kohi, A. Higure and N. Sato. Department of Surgery 1, School of Medicine, University of Occupational and Environmental Health, Kitakyushu, Japan.

# POSTER SESSIONS - SATURDAY

## P3-107

Pancreatoduodenectomy with Resection of the Splenic Artery and Left Gastric Artery for Pancreatic Head and Body Cancer: Preservation of the Remnant Pancreatic Function via the Blood Supply From the Posterior Epiploic Artery. Y. Murata, Masanobu Usui, Shugo Mizuno, Akihiro Tanemura, Hiroyuki Kato, Naohisa Kuriyama, Yoshinori Azumi, Masashi Kishiwada, Hiroyuki Sakurai, S. Isaji. Department of Hepatobiliary-Pancreatic and Transplant Surgery, Mie University School of Medicine, Tsu, Japan.

## P3-108

Rab27A and Rab27B Regulate Secretion in Mouse Pancreatic Acini through Different Pathways. Y. Hou, S. I. Lentz, J. A. Williams. Department of Molecular and Integrative Physiology, University of Michigan, Ann Arbor, MI.

## P3-109

Severe Acute Pancreatitis as a Delayed Complication Following Radiofrequency Ablation (RFA) for Hepatocellular Carcinoma (HCC). Y. Matsumura, T Ito. Department of Gastroenterology JCHO Osaka Hospital, Osaka, Japan.

## P3-110

APACT: a Phase III Trial of nab-Paclitaxel (nab-P) Plus Gemcitabine (Gem) vs Gem Alone as Adjuvant Therapy for Patients (pts) with Resected Pancreatic Cancer (PC). M. A. Tempero,<sup>1</sup> D. Cardin,<sup>2</sup> A. Biankin,<sup>3</sup> D. Goldstein,<sup>4</sup> M. Moore,<sup>5</sup> E. M. O'Reilly,<sup>6</sup> P. Philip,<sup>7</sup> H. Riess,<sup>8</sup> T. Macarulla,<sup>9</sup> L. Yung,<sup>10</sup> X. Wei,<sup>10</sup> B. Lu<sup>10</sup> 1UCSF Pancreas Center, UCSF, San Francisco, CA; 2Vanderbilt-Ingram Cancer Center, Vanderbilt University Medical Center, Nashville, TN; 3Wolfson Wohl Cancer Research Centre/Institute of Cancer Sciences, University of Glasgow, Glasgow, Scotland, United Kingdom; 4Prince of Wales Hospital, Sydney, NSW, Australia; 5Princess Margaret Cancer Center, Princess Margaret Hospital, Toronto, ON, Canada; 6David M. Rubenstein Center for Pancreatic Cancer Research, Memorial Sloan Kettering Cancer Center, New York, NY; 7Department of Oncology, Karmanos Cancer Center, Detroit, MI; 8Internistischen Onkologie/Campus Virchow-Klinikum, Charité-Universitätsmedizin, Berlin, Germany; 9Vall d'Hebron University Hospital, Barcelona, Catalonia, Spain; 10Celgene Corporation, Summit, NJ.

## P3-111

Impact of the Number of Positive Lymph Nodes and Lymph Node Ratio on Prognosis in Resected Pancreatic Adenocarcinoma. Z.-Q. Liu\*, Z.-W. Xiao\*, L. Liu., C. Liu, J. Xu, J. Long, G.-P. Luo#, X.-J. Yu#. Pancreatic Cancer Institute, Fudan University; Department of Pancreatic & Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University, Shanghai, China.

## P3-112

Two Cases of Pancreatic Neuroendocrine Tumor Diagnosed by Endoscopic Ultrasonography-Fine Needle Aspiration Biopsy. H. Sawa,<sup>1</sup> T. Sanuki,<sup>2</sup> E. Fukuoka,<sup>1</sup> K. Murata,<sup>1</sup> Y. Mii,<sup>1</sup> D. Otsubo,<sup>1</sup> S. Oka,<sup>1</sup> Y. Iwatani,<sup>1</sup> D. Kuroda<sup>1</sup>. 1Department of Surgery, Kita-Harima Medical Center, Ono, Japan; 2Department of Gastroenterology, Kita-Harima Medical Center, Ono, Japan.

## P3-113

Chyle Leaks are a Relevant Complication After Pancreatic Surgery. O. Strobel, S. Brangs, U. Hinz, T. Pausch, L. Schneider, S. Fritz, M. Büchler, T. Hackert. Dept. of General Surgery, University Hospital Heidelberg, Heidelberg, Germany.

## P3-115

Risk of Other Cancers in Familial Pancreatic Cancer. T Hanna,<sup>1</sup> J Nicholson,<sup>1</sup> S Harrison,<sup>1</sup> M Johnstone,<sup>1</sup> P Ghaneh,<sup>1</sup> R Sutton,<sup>1</sup> T Brown,<sup>2</sup> D Bartsch,<sup>2</sup> G Webster,<sup>2</sup> M Lerch,<sup>2</sup> P Hammal,<sup>2</sup> J Neoptolomos,<sup>1</sup> W Greenhalf<sup>1</sup> on behalf of the EUROPAC research group. 1NIHR, Pancreatic Biomedical Research Unit, Liverpool University, Liverpool, UK; 2EUROPAC Research group.

## P3-116

Recurrence after Curative Resection for Well-Differentiated Pancreatic Neuroendocrine Tumors. H. Kimura,<sup>1</sup> T. Ohtsuka,<sup>1</sup> K. Date,<sup>1</sup> T. Fujimoto,<sup>1</sup> T. Matsunaga,<sup>1</sup> Y. Watanabe,<sup>1</sup> K. Tamura,<sup>1</sup> Y. Miyasaka,<sup>1</sup> D. Yamada,<sup>1</sup> S. Takahata,<sup>1</sup> H. Igarashi,<sup>2</sup> T. Ito,<sup>2</sup> Y. Oda,<sup>3</sup> M. Tanaka.<sup>1</sup> Departments of 1Surgery and Oncology, 2Medicine and Bioregulatory Science, and 3Anatomic Pathology, Kyushu University, Fukuoka, Japan.

## P3-117

Standardization of Distal Pancreatectomy. H. Shimamura, A. Endo, K. Kanehara, H. Kodama, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

## P3-118

Effect of Annexin A1 Deficiency on Cerulein-Induced Acute Pancreatitis in Mice. R.T. Akasheh, J.M. York, G. Fantuzzi, Department of Kinesiology and Nutrition, University of Illinois at Chicago, Chicago, IL, USA.

## P3-119

Neoplastic Spindle Cells are an Independent Prognostic Factor in Pancreatic Cancer. K Takahashi,<sup>1</sup> T Hisaka,<sup>1</sup> H Horiuchi,<sup>1</sup> H Ishikawa,<sup>1</sup> M Nakayama,<sup>2</sup> O Nakashima,<sup>2</sup> A Kawahara,<sup>3</sup> A Kage,<sup>3</sup> H Yano,<sup>2</sup> Y Akagi,<sup>1</sup> K Yonemoto,<sup>4</sup> H Kinoshita,<sup>1</sup> K Shirozu<sup>1</sup>. Departments of 1Surgery, 2Pathology, 3Diagnostic Pathology, 4Biostatistics Center, Kurume University School of Medicine, Kurume Fukuoka, Japan.

## P3-120

Acinar Cells Cytoprotection by Cytochrome-C in Acute Necrotizing Pancreatitis. O. Chepliaka, E. Medvetskiy, H. Tomashkevych. General Surgery Department, National Pirogov Memorial Medical University, Vinnytsia, Ukraine.

*End of Program*

