

MIAMI

October 30 - November 3, 2013

44th Annual Meeting



APA

AMERICAN PANCREATIC
ASSOCIATION

Discover. Share. Conquer.

ACKNOWLEDGEMENT OF SUPPORT

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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The logo for AbbVie, featuring the word "abbvie" in a lowercase, blue, sans-serif font.

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Vay Liang W. Go, Pancreas Journal

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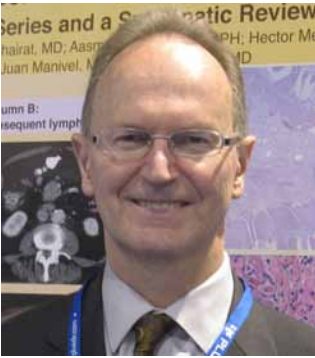
Sandler-Kenner Foundation

The American Pancreatic Association would like to extend a special thank you to UMMC-Fairview & University of Minnesota Amplatz Children's hospital for their in-kind support.

***Please visit our supporters' booths in the
Ocean Tower I Foyer.***

MESSAGE FROM THE PRESIDENT

Welcome back to the beach! On behalf of the APA Board, I am thrilled to welcome you back to Miami for the 44th Annual APA Meeting. We liked the location (not to mention the weather) so much last year, that we decided to come back. As we had hoped, Miami attracts a large international audience, which makes for an even more exciting meeting. We received nearly 250 abstracts from 21 different countries. Even though this is not a joint meeting, nearly half of the abstracts we received are from outside the US. We are on track to have over 400 participants at the meeting.



Hopefully you will find the program as interesting as we do. The pre-meeting symposium this year is on the State of the Science in Idiopathic Recurrent Acute Pancreatitis. A special thanks to the course directors and all those who have put in a lot of work ahead of this meeting. We are also proud to co-host a special symposium on Saturday with the Hirshberg Foundation. Agi Hirshberg has been a longtime friend of APA, not to mention the entire pancreas community. Helping her celebrate the 10th Anniversary of the Hirshberg Seed Grant Program is an honor. We also have many other exciting mini-symposia and abstracts being presented throughout the meeting.

Thank you to the APA Board, the program planning committee members and a special thank you to Erin Brudvik for her working in organizing the meeting. Now, let's have a great meeting!

Martin L. Freeman, M.D., FACP, FASGE
Professor of Medicine
President, American Pancreatic Association
Director, Division of Gastroenterology, Hepatology and Nutrition
Medical Director, Total Pancreatectomy and Islet Autotransplantation
Director, Advanced Endoscopy and Pancreaticobiliary Endoscopy Fellowship
University of Minnesota



AMERICAN PANCREATIC ASSOCIATION

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Courtesy of Miami Visitor and Convention Bureau

PROGRAM OVERVIEW**State of the Science Symposium:****Idiopathic Recurrent Acute Pancreatitis (IRAP)**

The goal is a detailed review of where we are with respect to data, approach, opinions, and particularly where we need to go with data collection and randomized trials. During this session, the evidence collected will be presented and there will be time for discussion and voting on the recommendations. A paper will be published in early 2014.

Wednesday, October 30**8:00 am to 4:15 pm****APA/Hirshberg Symposium:****Celebrating 10 Years of the Hirshberg Seed Grant**

We will honor Agi Hirshberg and her contributions to the community via the Hirshberg Foundation's Seed Grant program which started in 2003. Many past honorees will be featured during the program.

Saturday, November 2**8:30 am to 1:00 pm****Scientific/Abstract Sessions**

The scientific sessions will address basic and clinical science issues in basic science, pancreatic cancer and pancreatitis.

Thursday, October 31**8:30 am to 10:00 am****2:00 pm to 3:45 pm****Friday, November 1****8:30 am to 10:00 am****2:30 pm to 3:35 pm****4:50 pm to 6:15 pm****Abstract Poster Presentations**

Authors will showcase their research in poster format. Again this year, those abstracts selected as posters of distinction will give a 3-minute talk highlighting their research during the morning poster time.

Thursday, October 31**7:00 am to 8:30 am****12:00 pm to 2:00 pm****Friday, November 1****7:00 am to 8:30 am****12:00 pm to 2:00 pm****State-of-the-Art Lectures****Thursday, October 31****10:20 am to 10:55 am****Friday, November 1****11:30 am to 12:00 pm****Mini-Symposia****Wednesday, October 30****5:30 pm to 7:00 pm****Thursday, October 31****10:50 am to 12:00 pm****4:00 pm to 6:00 pm****Friday, November 1****10:20 am to 11:30 am****3:50 pm to 4:50 pm**

ONSITE REGISTRATION HOURS

Location: Outside Pompeii/Promenade Ballroom

Wednesday, 10/30: 7:00 AM - 7:00 PM

Thursday, 10/31 7:00 AM - 6:00 PM

Friday, 11/1: 7:30 AM - 6:15 PM

Saturday, 11/2: 7:30 AM - 1:30 PM

ABSTRACT SELECTION COMMITTEE

The APA Board wishes to thank the following for reviewing the nearly 250 abstracts recieved:

Minoti Apte

Sulagna Banerjee

Suresh Chari

Darwin Conwell

Rajinder Dawra

Guido Eibl

Carlos Fernandez-
del Castillo

Chris Forsmark

Marty Freeman

Helmut Friess

Toru Furukawa

Pramod Garg

Guy Grobowski

Anna Gukovskaya

Peter Hegyi

Sohail Hussain

Tetsuhide Ito

Tara Kent

Myung-Hwan Kim

Rodger Liddle

Craig Logsdon

Anirban Maitra

Julia Mayerle

Steve Pandol

Vinciane Rebours

Miklos Sahin-Toth

Veena Sangwan

Tooru Shimosegawa

Diane Simeone

Sarah Thayer

Susan Tsai

Huaizhi Wang

Kenji Yamao

YOUNG INVESTIGATOR AWARD RECIPIENTS

Congratulations to the 2013 Young Investigator Award Winners:

Elham Afghani

Mihailo Bezmarevic

Ana Cases

Li-Hui Deng

John Eisses

Robert Ferguson

Sushil Kumar Garg

Andrea Geisz

Anna Granato

Sonal Gupta

Kathleen Hertzner

Muhammad Javed

Nitin Kumar

Piet Lodewijkx

Giovanni Marchegiani

Julia McNabb-Baltar

Scott Messenger

Cintia Morioka

Satish Munigala

Sajan Jiv Singh Nagpal

Yukako Nemoto

Alice Nomura

Rajendra Ola

Thomas Pausch

Srinivasa Pothula

Daniel Principe

Susan Quan

Jennifer Rai

Ilse Rooman

Andras Szabo

Joann Teo

Christopher Tignanelli

Guru Trikudanathan

Jingxuan Yang

LEARNING OBJECTIVES

1. Understand the current state of the science in the diagnosis and treatment of Idiopathic Recurrent Acute Pancreatitis.
2. Create collaborative opportunities between clinicians and basic scientists interested in diseases of the pancreas
3. Discuss the most up-to-date research results in pancreatic diseases and their key role in defining future therapies in pancreatic diseases
4. Identify the current and evolving diagnosis and management strategies for patients with chronic pancreatitis.
5. Recognize the bench to bedside applications of basic science research such as the relationship between diabetes and pancreatic cancer and stem cell identity in the normal and neoplastic pancreas.
6. Explain advances in the treatment of patients with pancreatic diseases, including sampling in patients with pancreatic cysts, development of therapeutics in acute pancreatitis, and the role of stents in pancreatic cancer.
7. Understand the advances in pancreatic cancer research, in the areas of mechanisms, current therapies and early detection methods.

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 26.25* *AMA PRA Category 1 Credits*™. * Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**19.5 credits for the Annual Meeting; 6.75 credits for the Pre-Meeting Symposium*

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.

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



American College of Surgeons
Division of Education

MICHAEL STEER, MD

Dr. Michael L. Steer received his undergraduate and MD degrees from Duke University and completed a Rotating Internship at Seattle's King County Hospital. He was immediately drafted into the Army Medical Corps where he served for two years as a Flight Surgeon. After discharge, Dr. Steer completed a residency in General Surgery with Dr. William Silen at Boston's Beth Israel Hospital and a post-doctoral research fellowship with Dr. Alexander Levitzki at the Weizmann Institute of Science in Israel. Dr. Steer's work focused on the regulation of pancreatic amylase activity by chloride and on the regulation of adenylate cyclase activity by catecholamine hormones and calcium.

In 1972, Dr. Steer returned to Boston's Beth Israel Hospital as Assistant Professor of Surgery at Harvard Medical School. He developed a busy practice of General Surgery that became increasingly focused upon the management of pancreatic diseases including pancreatitis and cancer. He also established his own research laboratory and he and his group were among the first to show that GTP could mediate both stimulation and inhibition of adenylate cyclase, an observation which indicated the existence of multiple species of GTP-binding, adenylate cyclase-regulating proteins. However, Dr. Steer and his Boston group of co-workers are, perhaps, best known for their research work related to acinar cell biology and acute pancreatitis – an effort that has been continuously supported by NIH grants for roughly 40 years, including receiving an NIH MERIT Award extension. In 1984, Dr. Steer was promoted to the rank of Tenured Full Professor of Surgery at Harvard Medical School.

In 2002, Dr. Steer moved his clinical practice and laboratory to Tufts Medical Center when he joined the Department of Surgery at Tufts Medical School as Professor of Surgery and Vice Chair of the Department of Surgery. He also began a long-term collaboration with Dr. George Perides who became the Pancreas Group's Lab Director. Dr. Perides has played a critical and leading role in all of the Group's subsequent research activities. In 2007, Dr. Steer closed his surgical practice in Boston and took on the role of Surgical Director for Partners in Health. PIH is active in many countries including Haiti and Rwanda where it provides surgical care, and it is dedicated to the concept that high quality health care is a basic human right which should be accessible even to patients in resource-poor countries.

Dr. Steer was one of the earliest surgeons elected to the American Society of Clinical Investigation and he is the recipient of both an NIH Career Development Award and a Guggenheim Fellowship. He has served on many NIH study sections and editorial boards. He became a member of the APA in 1977 and served as its President in 1994-5. He was also honored by receiving the Surgical Resident Teaching Award on 5 occasions involving 2 separate hospitals. Dr. Steer has trained more than 40 post-doctoral and research fellows and is the author or co-author of more than 260 published manuscripts, exclusive of abstracts. He wishes to thank the APA for the tremendous honor of its Lifetime Achievement Award and to express his gratitude to the many residents and fellows who have taught him so much over the years. He also wishes to thank his clinical and scientific mentors (Drs. Silen and Levitzki) for their inspirational support. Finally, he wishes to dedicate this award to those who ultimately have made all of this both possible and meaningful -- his best friend, love, and wife of 46 years (Vera), his 3 children (Dylan, Karen, and David) and their spouses, and his 4 wonderful granddaughters.

*2013 Vay Liang & Frisca Go Award***MASAO TANAKA, MD, PHD**

Dr. Tanaka is a pancreatic and laparoscopic surgeon, Professor of Surgery, and Chairman of the Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University. He received his M.D. from Kyushu University in 1974, and completed surgical training at Kyushu University Hospital and several affiliated hospitals. He received his Ph.D. degree from Kyushu University for research in endoscopic pressure measurement of pancreatic and bile ducts. He was promoted to a faculty position at Kyushu University in 1981. In 1985, he started a 2 year fellowship at the Gastrointestinal Unit, Mayo Clinic, Rochester, Minnesota, as the first research fellow to work with Dr. Michael G. Sarr. During that time he learned much about GI motility from his mentor, Dr. Sarr. In 1987, he joined the Surgical Center at the University of Heidelberg, Germany, as a research fellow supported by the Humboldt Foundation, where he worked with Dr. Norbert Senninger. Dr. Tanaka received a German Ph.D. degree (Doctor medicinae) from the University of Heidelberg in 1988. After returning to Kyushu University as an assistant professor in 1989, he was appointed to his current position in 1992.



Dr. Tanaka is the President of the Asian-Oceanic Pancreatic Association, through 2014. He also served as the President of the Japan Pancreas Society (JPS) from July 2005 to July 2012, and greatly contributed not only to the further development of the JPS but to the consolidation of the organization of the International Association of Pancreatologists (IAP). He served as the first congress president of the Asian-Pacific Hepato-Pancreato-Biliary Association in 2003 and chaired the scientific committee of that association from 2009 through 2013. During his JPS presidency, he successfully co-hosted the 40th Anniversary Joint Meeting of the APA and the JPS with Dr. Andrew Warshaw in Honolulu in 2009, and hosted the 14th IAP meeting in Fukuoka in 2010. He is now the president emeritus of the JPS, an auditor of seven academic societies including the Japan Surgical Society, and the first member from Japan of the International Surgical Group which admits only 60 active members in the world. He is an associate editor of *Pancreas*, *Pancreatology* and *Digestion*, the chief editor of a Japanese journal "Biliary tract and pancreas", and an editor of four other academic journals.

Among his many academic achievements, his contribution to the compilation of the International Consensus Guidelines for the Management of IPMN and MCN of the Pancreas is particularly noteworthy. Based on his discovery of a carcinoma in situ in a patient with IPMN, he introduced the idea of pancreatic carcinoma concomitant with but separate from IPMN, which is widely recognized today. He continued to display his leadership with the first revision of those guidelines in 2012.

On the occasion of the APA's presentation of the Vay Liang and Frisca Go Award for Lifetime Achievement Award to him, Dr. Tanaka expresses his sincere gratitude to all the members of the APA, JPS, and IAP, his colleagues of Kyushu University who pursued basic and clinical research in pancreatology, especially in pancreatic cancer, IPMN, and chronic pancreatitis. He would like to thank his mentors, Drs. Seiyo Ikeda, Fumio Nakayama, Michael G. Sarr, and Norbert Senninger as well as his family for their support.

*APA Distinguished Service Award***AGI HIRSHBERG**

Agi Hirshberg is the Founder and President of the Hirshberg Foundation for Pancreatic Cancer Research. She was born in Hungary, the daughter of Holocaust survivor Edmund Mandel and her mother, Sara. She and her family immigrated to the United States as refugees during the Hungarian Revolution in 1956, settling in Los Angeles. After graduating from Woodbury University, she worked her way up to become a top-level marketing and design professional in the apparel and sporting goods industry. In November 1986, she met Ronald S. Hirshberg. Three days later they set a wedding date and on Valentine's Day, 1987 their two families became one. Together they founded a company named Agron, Inc. and became the exclusive global licensee and distributor for Adidas accessories with offices in the US, UK, Spain, Taiwan, and Germany. Ten years later, after an 8 month and 7 day fight, Ron Hirshberg lost his battle with pancreatic

cancer in 1997. In honor of the memory of her husband, Agi established the Hirshberg Foundation for Pancreatic Cancer Research.

The Foundation was the first of its kind to focus exclusively on research and patient support programs for this disease. Under Agi's direction, the Foundation funded the establishment of a 3-prong research effort: basic science, translational research and a pancreas tissue bank at UCLA. In 2003 a national seed grant program was added to her agenda, funding new concepts of research that do not yet qualify for National Institute of Health funding. The grants have provided over \$5 million in funding for research at institutions both in the US and internationally. To date, the Hirshberg Foundation funded research has received in excess of \$40 million in funding from the NIH and other agencies.

In addition to a research focus, the patient's benefits program began in 1999, in partnership with Cancer Care, Inc. This program offers financial assistance to patients living with pancreatic cancer. Home care, medical expenses, travel to treatment centers, child care and many other needs are funded, all of which are necessary to provide comfort to patients. She received the Cancer Care Hope and Help Award in 2011 for her contribution.

Agi's roles in the Foundation include leading patient support and scientific operations in addition to creating awareness of pancreatic cancer worldwide. As a respected member of both the business and financial community in Los Angeles, she serves on the UCLA Board of Governors, UCLA Board of Visitors and UCLA Women in Philanthropy. She has supported the annual meeting of the APA and the Joint Meeting of the APA with IAP, JPS and the European Pancreatic Club over the last decade. She has also provided an award for the best basic and clinical abstracts at the annual meeting of the APA as well as sponsoring the Hirshberg Keynote Symposium on pancreatic cancer. At the upcoming 2013 meeting, we are celebrating the 10th anniversary of the Foundation Seed Grant Program by hosting the Agi Hirshberg Symposium, where we will honor the success of the program and present Agi Hirshberg with the 2013 APA Distinguished Service Award.

International State of the Science
Symposium

**Idiopathic Recurrent
Acute Pancreatitis**

CONFERENCE COMMITTEE:

Nalini Guda, MD, Milwaukee, US
Martin Freeman, MD, Minneapolis, US
Pramod Garg, MD, New Delhi, India
Philippe Levy, MD, Clichy, France

7:00 - 8:00 AM

REGISTRATION - POMPEII FOYER

BREAKFAST - MONA LISA BALLROOM

8:00 - 8:05 AM

WELCOME - POMPEII BALLROOM

Ashok K. Saluja, PhD

8:05 - 8:30 AM

PRE-PARTICIPATION QUIZ - POMPEII BALLROOM

8:30 - 10:25 AM

DEFINITIONS & ETIOLOGY

POMPEII BALLROOM

Definitions and Etiology of iRAP

Nalini M. Guda, MD - University of Wisconsin, Aurora St. Luke's
Medical Center

Mechanisms of Acute Pancreatitis: Is iRAP any different?

Ashok Saluja, PhD - University of Minnesota

DEFINITIONS & ETIOLOGY cont.**Natural History of iRAP and Overlap with Chronic Pancreatitis**

Dhiraj Yadav, MD, MPH - University of Pittsburgh

Genetics of iRAP and the Multi-hit Hypothesis. When and What Type of Genetic Testing is Appropriate

David Whitcomb, MD, PhD - University of Pittsburgh

EUS in iRAP: Detecting Etiologies and Overlap with Chronic Pancreatitis

Shawn Mallery, MD - University of Minnesota

Role of Cross-sectional Imaging in Detecting Etiologies

Fatih Akisik, MD - Indiana University

Do Drugs Cause iRAP?

Scott Tenner, MD, MPH - State University of New York

10:25 - 10:45 AM**REFRESHMENTS - MONA LISA BALLROOM****10:45 AM - 12:00 PM****CONTROVERSIES: PART 1****POMPEII BALLROOM****Microlithiasis/Occultliths: Fact or Fiction. Is There a Role of Empiric Cholecystectomy?**

Pramod Garg, MD - All India Institute of Medical Sciences

Pancreas Divisum and Genetics: Is it Just a Matter of Drainage?

Philippe Levy, MD - Hospital Beaujon, Clichy

Efficacy of Minor Papilla Sphincterotomy in Pancreas Divisum: A Hard Look at Evidence

Martin Freeman, MD - University of Minnesota

iRAP in Pediatrics: Are the Etiologies any Different?

Aliye Uc, MD - University of Iowa

Is Autoimmune Disease Associated with Recurrent Pancreatitis: When and How to Test?

Santhi Swaroop Vege, MD - Mayo Clinic

12:00 - 1:00 PM

LUNCH - MONA LISA BALLROOM

1:00 - 2:05 PM

CONTROVERSIES: PART 2

POMPEII BALLROOM

Sphincter of Oddi, Manometry, Empiric Sphincterotomies, and the Role of Dual versus Biliary Sphincterotomy

Gregory Cote, MD - Indiana University Medical Center

Non-SOD Etiologies for iRAP and the Role of Endoscopic Therapy

D. Nageshwar Reddy, MD - Asian Institute of Gastroenterology

Evidence and Myths of "Medical Therapy" in iRAP: Enzymes, Octreotide, Urso, Antioxidants, and Others

Christopher Forsmark, MD - University of Florida

Quality of Life Issues and Measurements in iRAP

Colin Johnson, MChir - University Hospital, South Hampton

2:05 - 3:05 PM
THE GREAT DEBATE
POMPEII BALLROOM

Endoscopic Interventions Help Patients with iRAP and Slow Disease Progression

Shyam Varadarajulu, MD - Florida Hospital

Ridiculousness in iRAP: Endoscopic Interventions Gone Bad

Suresh Chari, MD - Mayo Clinic

The Truth is Somewhere in Between

Markus Lerch, MD - Ernst-Moritz-Arndt University, Greifswald

When All Else Fails: Is there a Role for Total Pancreatectomy and Auto-Iset Transplant?

Martin Freeman, MD - University of Minnesota

3:05 - 3:20 PM
REFRESHMENTS - MONA LISA BALLROOM

3:20 - 4:15 PM
WRAP-UP
POMPEII BALLROOM

Where Do We Go From Here? Future Clinical Research Directions

Nalini M. Guda, MD - University of Wisconsin, Aurora St. Luke's Medical Center

Conclusion Statements, Strength of Evidence, Reaching a Consensus

Conference Committee

END OF PRE-MEETING CONFERENCE

44th Annual Meeting of the
American Pancreatic Association
October 30-November 2

7:00 AM - 7:00 PM

REGISTRATION - POMPEII FOYER

5:30 - 7:00 PM

**HIRSHBERG FOUNDATION KEYNOTE SYMPOSIUM
PARANEOPLASTIC METABOLIC COMPLICATIONS
OF PANCREATIC CANCER**

POMPEII & PROMENADE

Moderators: Martin Freeman, MD & Ashok Saluja, PhD

Paraneoplastic Diabetes in Pancreatic Cancer

Suresh Chari, MD

Mayo Clinic

**Mechanism and Treatment of Cachexia in Patients with
Pancreatic Cancer**

Michael J. Tisdale, PhD

Aston University, Birmingham

**Vertically-integrated Translational Studies of PDX1 as a
Therapeutic Target for Pancreatic Cancer via a Novel
Bifunctional RNAi Platform**

F. Charles Brunicardi, MD, PhD

University of California, Los Angeles

7:00 - 9:00 PM

PRESIDENTIAL RECEPTION

OCEAN GARDEN

7:00 AM - 6:00 PM

REGISTRATION - POMPEII FOYER

7:00 - 8:30 AM

BREAKFAST & POSTER VIEWING

OCEAN TOWER BALLROOM I & II

7:45 - 8:30 AM

POSTER OF DISTINCTION HIGHLIGHTS

POMPEII/PROMENADE

Moderators: Marsha Frazier & Sohail Husain

Please see pages 30-31 for a listing of the Posters of Distinction, each of whom will give a 3 minute presentation.

8:30 - 10:00 AM

SCIENTIFIC SESSION 1: PANCREATITIS

POMPEII/PROMENADE

Moderators: Vijay Singh & Johanna Laukkarinen

8:30 AM **Chronic Pancreatitis (CP) and Fracture: A Retrospective, Population-Based, Veterans Administration Study.** D.L. Conwell, S. Munigala, J. Scherrer, B. Agarwal. Center for Pancreatic Disease, Division of Gastroenterology Hepatology and Endoscopy, Brigham and Women's Hospital, Harvard Medical School Boston; Department of Internal Medicine, Division of Gastroenterology and Hepatology, Saint Louis University; St. Louis VAMC, Research Service and Department of Family and Community Medicine, Saint Louis University School of Medicine.

8:42 AM **Lipotoxicity Converts Caerulein Pancreatitis into a Lethal Model in Obese Mice.** K. Patel, P. Noel, C. Durgampudi, C. Acharya, R. Cline, S. Navina, V. Mishra, R.N. Trivedi, V.P. Singh. Department of Medicine, Pathology, University of Pittsburgh, UPMC Passavant, Division of Gastroenterology, Pittsburgh, PA.

8:54 AM **Early Nasoenteral Versus On-Demand Feeding in Severe Pancreatitis: A Randomized Controlled Multicenter Trial.** Olaf Bakker. University Medical Center Utrecht. On behalf of the Dutch Pancreatitis Study Group.

9:06 AM **Alternative Activated Macrophages Activate Pancreatic Stellate Cells and Promote Chronic Pancreatitis.** J. Xue and A. Habtezion. Department of Medicine, Division of Gastroenterology & Hepatology, Stanford University School of Medicine, Stanford, CA.

9:18 AM **Efficacy of Endotherapy in the Treatment of Chronic Pancreatitis Pain: Systemic Review and Meta-analysis.** J.N. Sadiq, M. Jafri, E. Grossman, D. Lee, Y. Taur, A. Goodman, F. Gress. Department of Gastroenterology, SUNY Downstate, NY; Department of Gastroenterology, St. Luke's Hospital, NY; Department of Infectious Disease, Memorial Sloan-Kettering Cancer Center, NY; Department of Gastroenterology, New York University, NY.

9:30 AM **Step Up Approach to Interventions for Necrotizing Pancreatitis Using Primarily Endoscopic Approach: Outcomes in a Large Cohort of Patients.** Y Nemoto, J Roat, M Arain, S Mallery, M Freeman, G Beilman, R Attam. Department of Medicine and Surgery, University of Minnesota, Minneapolis, MN.

9:42 AM **Best of EPC 2013: Is the Association of the p.N34S SPINK1 Variant Explicable by a High Risk Haplotype Rather than the Polymorphism?** JA Nicholson,* J Grant,* M Johnstone, S Harrison, C M Halloran, M G T Raraty, P Ghaneh, R Sutton, R Choudouri, JP Neoptolemos, R Mountford, W Greenhalf. NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; Regional Molecular Genetics Unit, Liverpool Women's Hospital, Liverpool, UK; Department of Bioinformatics, University of Liverpool, Liverpool, UK.

10:00 - 10:20 AM
REFRESHMENTS - PALM TERRACE & OCEAN TOWER I FOYER

10:20 - 10:50 AM
FRANK BROOKS STATE OF THE ART LECTURE

POMPEII/PROMENADE

Introduction: Anirban Maitra, MD

Ending the Beginning: Targeting PanIN Initiation and Progression

Steven D. Leach, MD

Johns Hopkins University

10:50 AM - 12:00 PM**ROLE OF STENTS IN PANCREATIC CANCER**

POMPEII/PROMENADE

Moderators: D. Nageshwar Reddy & GV Rao

To Stent or Not to Stent the Bile Duct in Jaundiced Patients with Resectable Pancreatic Head Cancer

Yes: Nalini M. Guda, MD - University of Wisconsin, Aurora St. Luke's Medical Center

No: Richard Schulick, MD, MBA - University of Colorado

Bile Duct Stenting in Pancreas Cancer: Controversies and Technique

Andrew Ross, MD - Virginia Mason Medical Center

EUS-Directed Pancreaticobiliary Access in Pancreas Cancer: Paradigm Shift?

Rajeev Attam, MD - University of Minnesota

Panel & Case-based Discussion - Speakers & Moderators**12:00 - 2:00 PM****LUNCH & POSTER VIEWING**

OCEAN TOWER BALLROOM I & II

2:00 - 3:40 PM**SCIENTIFIC SESSION 2: PANCREATIC CANCER**

POMPEII/PROMENADE

Moderators: Nipun Merchant & Min Li

2:00 PM Validation Study of Quantitative Endoscopic Ultrasound Elastography (Q-EUS-E) for the Differential Diagnosis of Solid Pancreatic Tumors. JE Dominguez-Muñoz, J Lariño-Noia, J Iglesias-Garcia. Department of Gastroenterology and Hepatology, Foundation for Research in Digestive Diseases. University Hospital of Santiago de Compostela, Spain.

2:12 PM Mouse Models of Pancreatic Cancer Induced by Chronic Pancreatitis and Smoking. M Edderkaoui, PJ Grippo, Y Ouhaddi, H Benhaddou, S Xu, K Pinkerton, H Tsukamoto, B Knudsen, AS Gukovskaya, SJ Pandol. Cedars-Sinai Medical Center, Dept of Veterans Affairs & University of California Los Angeles; Northwestern University, Chicago; UC-Davis; University of Southern California.

- 2:24 PM **The Vacuolar-ATPase (v-ATPase) is Necessary for Wnt- β -catenin Signal Transduction in PanIN Cells.** AK Gattu, H Einwachter, F Gorelick, R Schmid, C Chung. Departments of Medicine, Yale University School of Medicine, VA CT Healthcare System, Technical University of Munich, Munich, Germany.
- 2:36 PM **Hepatocyte Growth Factor Inhibition: A Therapeutic Approach Superior to Gemcitabine in Pancreatic Cancer?** S.Pothula, Z.Xu, S.Arun, D.Goldstein, A.Biankin, R.Pirola, J.Wilson, M.Apte. Pancreatic Research Group, UNSW, Sydney, Australia.
- 2:48 PM **Differential Patterns of Abdominal Adipose Tissue Loss in Pancreatic Cancer vs Post Gastric Bypass Surgery.** SJ Nagpal, RP Sah, N Takahashi, JM Miles, GM Petersen, D Mukhopadhyay, ST Chari. Divisions of Gastroenterology and Hepatology, Internal Medicine, Radiology, Endocrinology, Epidemiology, Biochemistry and Molecular Biology, Mayo Clinic, Rochester, MN.
- 3:00 PM **Improved Staging by Lymph Node Variables after Pancreatoduodenectomy for Pancreatic Adenocarcinoma.** O. Strobel, U. Hinz, A. Gluth, T. Hank, W. Hartwig, T. Hackert, F. Bergmann, M. Büchler, J. Werner. Department of General Surgery and Institute of Pathology, University Hospital Heidelberg, Heidelberg, Germany.
- 3:12 PM **Eradication of Drug Resistant Cancer Stem-Like Cells in PDAC.** T Arumugam, V Ramachandran, H Huang, T Fujii, CL Roland, C Rodriguez-Aguayo, G L Berestein, A K Sood, J B Fleming, J L Abbruzzese, N Sphyris, CD Logsdon. Dept. of Cancer Biology, Surgical Oncology, Experimental Therapeutics, Center for RNAi and non-coding RNA, Gynecologic Oncology, GI Medical Oncology and Molecular Pathology, UT MD Anderson Cancer Center, Houston, TX.
- 3:24 PM **Best of EPC 2013: Preoperative Characteristics of Patients with Presumed Pancreatic Cancer but Ultimately Benign Disease: a Multicenter Series of 344 Pancreatoduodenectomies.** A Gerritsen, IQ Molenaar, TL Bollen, CY Nio, MG Dijkgraaf, HC van Santvoort, GJ Offerhaus, E Sieders, KP de Jong, RM van Dam, E van der Harst, H van Goor, B van Ramshorst, BA Bonsing, IH de Hingh, MF Gerhards, CH van Eijck, DJ Gouma, IHM Borel Rinkes, OR Busch, MGH Besselink for the Dutch Pancreatic Cancer Group. University Medical Center, Utrecht; (Surg, Path); Academic Medical Center, Amsterdam (Surgery, Radiology, Biostatistics and Clinical Epidemiology); St. Antonius Hospital, Nieuwegein (Surgery, Radiology); Surgery at University Medical Center, Groningen; Maastricht University Medical Center, Maastricht; Maasstad Ziekenhuis, Rotterdam; Radboud University Medical Centre, Nijmegen; Leiden University Medical Center, Leiden; Catherina hospital, Eindhoven; OLVG, Amsterdam; Erasmus Medical Center, Rotterdam, The Netherlands.

3:40 - 4:00 PM

REFRESHMENTS - PALM TERRACE & OCEAN TOWER I FOYER

4:00 - 6:00 PM

**CHRONIC PANCREATITIS: CURRENT & EVOLVING
DIAGNOSIS & MANAGEMENT STRATEGIES**

POMPEII/PROMENADE

Thursday, 10/31

SESSION 1: CURRENT & EVOLVING STRATEGIES
FOR DIAGNOSIS

Moderators: Darwin Conwell & Julia McNabb-Balter

**Genetic Susceptibility to Chronic Pancreatitis:
From PRSS1 to CPA1**

Miklos Sahin-Toth, MD, PhD - Boston University

**What Can We Learn from the North American
Pancreatic Study (NAPS)?**

Dhiraj Yadav, MD, MPH - University of Pittsburgh

MRI of Chronic Pancreatitis

Nisha Sainani, MD - Brigham & Women's Hospital

Endoscopic Imaging in Chronic Pancreatitis

Vikesh Singh, MD - Johns Hopkins University

Making the Diagnosis of Chronic Pancreatitis

Darwin Conwell, MD - Ohio State University

Future Directions: Translational Research Approach

Hanno Steen, PhD - Boston Children's Hospital &
Harvard Medical School

SESSION 2: CURRENT & EVOLVING STRATEGIES FOR TREATMENT

Moderators: Martin Freeman & Melena Bellin

Quality of Life Measures in Chronic Pancreatitis

Wahid Wassef, MD, MPH - University of Massachusetts

Evaluation & Treatment of Pancreatic Exocrine Insufficiency

J. Enrique Dominguez-Munoz, MD - University Hospital of Santiago de Compostela, Spain

Medical & Endoscopic Therapies for Pain Control:

What Works? What Does Not?

Martin Freeman, MD - University of Minnesota

Surgical Procedures for Pain Control: Weighing the Evidence

Gregory Beilman, MD - University of Minnesota

Future Directions: Personalized Medicine Approach

David Whitcomb, MD, PhD - University of Pittsburgh

Conclusion & Wrap-up

Martin Freeman & Darwin Conwell

7:00 - 10:00 PM

COCKTAIL RECEPTION - PALM TERRACE & SPA GARDEN

AWARDS DINNER - OCEAN TOWER II 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: Agi Hirshberg

Presentation of the Vay Liang & Frisca Go Award for Lifetime Achievement

Recipients: Masao Tanaka & Michael Steer

7:00 AM - 6:15 PM

REGISTRATION - POMPEII FOYER

7:00 - 8:30 AM

BREAKFAST & POSTER VIEWING

OCEAN TOWER BALLROOM I & II

7:45 - 8:30 AM

POSTER OF DISTINCTION HIGHLIGHTS

POMPEII/PROMENADE

Moderators: Julia Mayerle & Chandra Durgampudi

Please see pages 44-45 for a listing of the Posters of Distinction, each of whom will give a 3 minute presentation.

8:30 - 10:00 AM

SCIENTIFIC SESSION 3: PANCREATIC CANCER

POMPEII/PROMENADE

Moderators: Kyoichi Takaori & Kim Kelly

8:30 AM **Discovery of New Metabolic Biomarkers for the Diagnosis of Pancreatic Ductal Adenocarcinoma (PDAC).** J. Mayerle, H. Kalthoff, R. Reszka, B. Kamlage, B. Schniewind, C. Pilarsky, R. Grützmann, F.-U. Weiss, M. M. Lerch. Department of Medicine A, University Medicine Greifswald, Ernst-Moritz-Arndt-University, Greifswald, Institut für Experimentelle Tumorforschung (IET), UKSH, Campus Kiel, Kiel, Metanomics Health GmbH, Metanomics GmbH, Berlin, Clinic and Outpatient Clinic for Visceral-, Thorax- and Vascular Surgery, University Hospital Carl Gustav Carus, Dresden, Germany.

8:42 AM **Loss of Mixed-Lineage Leukemia 3 Function in Progression and Metastasis of Pancreatic Cancer.** S Gupta, S Elumalai, K Chawla, M daMolin, J Lee, A Maitra. Department of Pathology, Johns Hopkins University, Baltimore, MD; Neuroscience Section, Oregon Health & Science University, Portland, OR.

8:54 AM **Epigenetic Regulation of the Tumor Microenvironment: A Novel Hedgehog-Independent Role of GLI Proteins.** M.G. Fernandez-Barrena, A.L. McCleary-Wheeler, L.L. Almada, E.J. Tolosa, S.L. Safgren, L.D. Mills, A.M. Vrabel, D.L. Marks, W.R. Bamlet, R.R. McWilliams, M.E. Fernandez-Zapico. Schulze Center for Novel Therapeutics, Mayo Clinic, Rochester, MN.

9:06 AM **IPMN Involving the Main Pancreatic Duct: Biology, Epidemiology, and Long-Term Outcomes Following Resection.** G. Marchegiani, M. Mino Kenudson, V. Morales-Oyarvide, S. Thayer, C. Ferrone, A.L. Warshaw, K. Lillemoe, C. Fernandez-del Castillo. Departments of Surgery and Pathology, Massachusetts General Hospital, Boston, MA.

9:18 AM **Optimal Duration and Timing of Adjuvant Chemotherapy after Definitive Surgery for Ductal Adenocarcinoma of the Pancreas: Ongoing Lessons from the ESPAC-3 Study.** J. Neoptolemos, J. Valle, D. Palmer, R. Jackson, T. Cox, P. Ghaneh, C. Bassi, M. Büchler, for the European Study Group for Pancreatic Cancer. Cancer Research U.K. Liverpool CTU, University of Liverpool, UK; Christie Hospital, University of Manchester, UK; Surgical Department, University of Verona, Italy; Department of Surgery, University of Heidelberg, Heidelberg, Germany.

9:30 AM **Minnelide Reduces CD133+ Tumor Initiating Cells In A Syngenic Model Of Pancreatic Cancer.** S. Banerjee, A. Nomura, V. Sangwan, R. Chugh, V. Dudeja, S.M. Vickers, A. Saluja. Division of Basic and Translational Research, Dept. of Surgery, University of Minnesota, Minneapolis, MN.

9:42 AM **MUC5AC and CA19.9: A Unique Combination for Early Diagnosis of Pancreatic Cancer.** S. Kaur, M. Menning, D. Watley, S.R. Krishn, L.M. Smith, S. Rachagani, S.M. Lele, A.R. Sasson, S. Guha, R.E. Brand, S.K. Batra. Department of Biochemistry and Molecular Biology, Biostatistic, Pathology, Surgery, UNMC, NE; Gastroenterology, Hepatology, and Nutrition, UTHSC, Houston, TX; Gastroenterology, Hepatology and Nutrition, University of Pittsburgh School of Medicine, PA.

10:00 - 10:20 AM
REFRESHMENTS - PALM TERRACE & OCEAN TOWER | FOYER

10:20 - 11:30 AM

**DEVELOPMENT OF ACUTE PANCREATITIS
THERAPEUTICS**

POMPEII/PROMENADE

Moderators: Peter Hegyi & Aida Habtezion

Introduction

Steve Pandol, MD - Cedars-Sinai Medical Center &
University of California, Los Angeles

What Have We Tried? History of Pre-clinical & Clinical Trials

Robert Sutton, PhD - University of Liverpool

Possible Drug Targets & Ongoing Developments

Markus Lerch, MD - University of Greifswald

Considerations for Future Clinical Trial Design

Bechien Wu, MD, MPH - Kaiser Permanente

Discussion

11:30 AM - 12:00 PM

CLINICAL STATE OF THE ART LECTURE

POMPEII/PROMENADE

Introduction: Rodger Liddle, MD

**Pancreatic Enzymes: Update on New Formulations. Is there
Really a Difference?**

Christopher Forsmark, MD

University of Florida

12:00 - 2:00 PM

LUNCH & POSTER VIEWING

OCEAN TOWER BALLROOM I & II

2:00 - 2:30 PM
APA BUSINESS MEETING
POMPEII/PROMENADE

President's Address
Martin Freeman, MD

Report from the Secretary-Treasurer
Ashok K. Saluja, PhD

Update from NIH

2:30 - 3:35 PM
SCIENTIFIC SESSION 4: BASIC SCIENCE
POMPEII/PROMENADE

Moderators: Guy Groblewski & Dana Andersen

2:30 PM **Phenocopying Hereditary Pancreatitis Associated Mutations in Mouse Trypsinogens.** B. C. Németh, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University Medical Center, Boston, MA.

2:42 PM **Pancreatic Progenitor Expansion, Mesenchymal Cell Proliferation and Inflammation are Required during Early Carcinogenesis.** B Kong, N Behler, P Bruns, AM Schlitter, N Valkovska, S Fritzsche, S Raulefs, I Regel, M Erkan, H Friess, FJ Theis, I Esposito, J Kleeff, CW Michalski. Department of Surgery, Klinikum rechts der Isar der Technischen Universität München, München; Institute of Bioinformatics and Systems Biology, Helmholtz-Zentrum München, Munich, Germany; Institute of Pathology, Technische Universität München, Munich, Germany; Oregon Health and Science University, Department of Surgery, Divisions of Surgical Oncology and of Abdominal Organ Transplantation, Portland, Oregon, USA.

2:54 PM **Loss of ADAM17 Promotes Rampant LPS-Induced Pancreatic Tumorigenesis Despite Restoration of Tumor Suppressive Signaling.** DR Principe, PJ Grippo, HC Crawford. Northwestern University Feinberg School of Medicine, Chicago, IL & Mayo Clinic, Jacksonville, FL.

3:06 PM Ethanol and its Non-Oxidative Metabolites Profoundly Inhibit CFTR Function in Pancreatic Epithelial Cells Which is Prevented by ATP Supplementation. V. Venglovecz, L Judák, Z Rakonczay Jr., J Maléth, MA Gray, P Hegyi. Department of Pharmacology and Pharmacotherapy, First Department of Medicine, University of Szeged, Szeged, Hungary, Institute for Cell and Molecular Biosciences, University Medical School, Newcastle upon Tyne, UK.

3:18 PM Acinar Cell Secretory Function and Differentiation is Maintained in Culture by a Secretin-cAMP-LKB1-AMPK Pathway. EK Jones, SW Messenger, GE Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI.

3:35 - 3:50 PM
REFRESHMENTS - PALM TERRACE & OCEAN TOWER I FOYER

3:50 - 4:50 PM
CONCURRENT SESSIONS

SESSION 1: BASIC/TRANSLATIONAL CONTROVERSY
NFKB IN PANCREATITIS: GOOD OR BAD?

MONA LISA BALLROOM
Coordinator: Steve Pandol, MD

Overview

Ilya Gukovsky, PhD - University of California, Los Angeles

It's Bad

Craig Logsdon, PhD - UT MD Anderson Cancer Center

It's Good

Hana Algul, MD, MPH - Technical University of Munich

Discussion

SESSION 2: CLINICAL CONTROVERSY
PANCREATIC CYST: TO SAMPLE OR NOT TO SAMPLE
POMPEII/PROMENADE

Coordinator: Carlos Fernandez-del Castillo, MD

EUS for All (or Almost All) Pancreatic Cysts

Shawn Mallery, MD - University of Minnesota

Using EUS Selectively

Christopher Wolfgang, MD, PhD - Johns Hopkins University

The Role of EUS for Diagnosis of Pancreatic Cysts

Stefan Fritz, MD - University of Heidelberg

Discussion

4:50 - 6:15 PM

SCIENTIFIC SESSION 5: PANCREATITIS

POMPEII/PROMENADE

Moderators: Tooru Shimosegawa & Jeremy Wilson

4:50 PM Trends and Regional Variation for Inpatient Costs in Acute Pancreatitis: An Opportunity for Savings?

J. Yeh, B. Wu. Center for Pancreatic Care, Department of Gastroenterology, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA.

5:02 PM p62/SQSTM1 Is Involved in the Mechanism of Acute Pancreatitis.

M. Ohmuraya, K. Notohara, K. Yamamura. Institute of Resource Development and Analysis, Kumamoto University, Kumamoto, Japan. Department of Pathology, Kurashiki Central Hospital, Kurashiki, Japan.

5:14 PM TRO40303 Reduces Mitochondrial Injury and Ameliorates Experimental AP.

M.A.Javed, L.Wen, M.Awais, M.Chvanov, P.Ghaneh, C.Halloran, J.P.Neoptolemos, M.Raraty, T.Bordet, M.Michaud, S.Schaller, R.Pruss, A.Tepikin, D.N.Criddle, R.Sutton. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Department of Cellular and Molecular Physiology, University of Liverpool, UK, TROPHOS, Marseille, France.

Scientific Session: *Pancreatitis cont.*

- 5:26 PM **Pain in Established Chronic Pancreatitis is Not Associated with a Systemic Inflammatory Response: Evidence for Non-inflammatory Nociceptive Mechanisms from a Subgroup of the ANTICIPATE Study.** N Shah, AK Siriwardena. Hepatobiliary Surgery Unit, Manchester Royal Infirmary, Manchester, UK.
- 5:38 PM **Morphine Delays Regeneration of the Pancreas After Cerulein Induced Pancreatitis.** U. Barlass, SK. Garg, Z. Yuan, S. Banerjee, S. Roy, A. Saluja, R. Dawra. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.
- 5:50 PM **Unsaturated Fatty Acids Determine Severity of Pancreatic Necrosis and Inflammatory Response in Human Severe Acute Pancreatitis (SAP).** P. Noel, C. Durgampudi, S. Navina, K. Patel, K. Lee, R. Brand, J. Chennat, A. Slivka, G.I. Papachristou, A. Khalid, D.C. Whitcomb, J.P. DeLany, R.A. Cline, V. Mishra, R.N. Trivedi, C. Acharya, D. Jaligama, F. Murad, D. Yadav, V.P. Singh. Departments of Medicine, Pathology, Surgery, University of Pittsburgh Medical Center Pasavant, Washington University, Saint Louis, MO, University of Pittsburgh, Pittsburgh, PA.
- 6:02 PM **Genetic Deletion of AMPK Subunits Enhances Pancreatitis Responses in a Cerulein Model of Acute Pancreatitis.** T. Kolodecik, C. Shugrue, E. Akinbiyi, E. Thrower, F. Gorelick. Department of Internal Medicine, Section of Digestive Diseases, Department of Cell Biology, Veterans Administration Connecticut Healthcare, West Haven and Yale University School of Medicine, New Haven, Connecticut.

Friday, 11/1

6:15 - 7:15 PM

RECEPTION: WOMEN IN PANCREAS

PALM TERRACE

All women are invited to join this reception.

American Pancreatic Association/
Hirshberg Foundation Symposium:
**Celebrating 10 Years of the
Hirshberg Seed Grant**

7:30 AM - 2:00 PM

REGISTRATION - POMPEII FOYER

7:30 - 8:30 AM

BREAKFAST

OCEAN TOWER BALLROOM II

8:30 - 10:00 AM

MECHANISMS/CARCINOGENESIS

POMPEII/PROMENADE

Moderators: Thomas Adrian & Anna Gukovskaya

Keynote:

**Pancreatic Cancer – Making Mountains out of
Genomic Molehills**

Anirban Maitra, MD - UT MD Anderson Cancer Center

**Presentations from Winners of the Hirshberg Award for Best
Abstracts in Pancreatic Cancer:**

Clinical significance of GNAS mutation for invasive pancreatic carcinoma distinct from/derived from intraductal papillary mucinous neoplasm (IPMN) of the pancreas. N Ideno, T Ohtsuka, K Tamura, T Aso, K Ohuchida, S Takahata, Y Oda, K Mizumoto, M Tanaka. Departments of Surgery and Oncology and Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

Loss of TFF2 in Pancreatic Duct Glands (PDG) results in the formation of IPMN suggesting TFF2 may function as a tumor suppressor. J. Yamaguchi, M. Mino-Kenudson, A.S. Liss, K.D. Lillemoe, C. Fernández-del Castillo, A.L. Warshaw, S.P. Thayer. Warshaw Institute and Departments of Surgery and Pathology, Massachusetts General Hospital and Harvard Medical School, Boston, MA.

Mechanism/Carcinogenesis Session cont.

Acetylation of Mutant KRAS is an Oncogenic Post-Translation Modification

David Gius, MD, PhD - Northwestern University

The Increasingly Important Roles of Post-Transcriptional Regulation in Pancreatic Cancer

Isidore Rigoutsos, PhD - Thomas Jefferson University

10:00 - 10:15 AM

REFRESHMENTS - PALM TERRACE & OCEAN TOWER I FOYER

10:15 - 11:30 AM

THERAPY

POMPEII/PROMENADE

Moderators: Courtney Houchen & Sarah Thayer

Keynote:

An Emerging Therapy for Pancreatic Cancer: Minnelide

Ashok K. Saluja, PhD - University of Minnesota

Insights into the Translation of HSP Inhibitors to the Treatment of Pancreatic Cancer

Gabriela Chiosis, PhD - Memorial Sloan-Kettering Cancer Center

TBA

Parkash Gill, MD - USC

Targeting Histone Demethylases in Pancreatic Cancer

Alexandros Tzatsos, MD, PhD - Massachusetts General Hospital Cancer Center

11:30 AM - 1:00 PM

EARLY DETECTION/PREVENTION/STRATIFICATION

POMPEII/PROMENADE

Moderators: Howard Crawford & O. Joe Hines

Keynote:

Advances in Early Detection in Pancreatic Cancer

Diane M. Simeone, MD - University of Michigan

**Salivary Biomarker Development for Pancreatic Cancer
Detection**

David Wong, DMD, DMSc - University of California, Los Angeles

Obesity, Inflammation, and Pancreatic Cancer Development

Guido Eibl, MD - University of California, Los Angeles

**Epithelial to Mesenchymal Transition and Stemness in
Pancreatic Cancer**

Mouad Edderkaoui, PhD - Cedars-Sinai Medical Center &
University of California, Los Angeles

SIDMAP Contributions to Cancer Metabolomics

Vay Liang W. Go, MD - University of California, Los Angeles

1:00 - 2:00 PM

LUNCH

OCEAN TOWER BALLROOM II

END OF ANNUAL MEETING

44th Annual Meeting of the American Pancreatic Association

October 30-November 2

POSTER SESSIONS

THURSDAY, OCTOBER 31

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

OCEAN TOWER I

Posters P1:1-12 Posters of Distinction

P1-1

Anti-Diabetic Medications Do Not Affect Survival Following Surgical Resection for Pancreatic Cancer. P Hart, R Law, W Bamlet, P Burch, R Frank, G Petersen, K Rabe, S Chari. Division of Gastroenterology & Hepatology, Health Sciences Research, Mayo Clinic Rochester, MN.

P1-2

Fatty Acids are More Toxic than their Ethyl Esters During Pancreatitis. C. Durgampudi, P. Noel, K. Patel, V. Mishra, R.N. Trivedi, C. Acharya, V.P. Singh. Department of Medicine UPMC Passavant, Division of Gastroenterology, University of Pittsburgh, Pittsburgh, PA.

P1-3

Two-hour Amylase and Lipase are Not Predictive of Post-ERCP Pancreatitis in the Era of Pancreatic Stents. T. Kerdsirichairat, A.A. Mustafa, R. Attam, Y.G. Bakman, D.M. Radosevich, M.L. Freeman, University of Minnesota, Minneapolis, MN.

P1-4

AMPK Activators (Salicylate and Metformin) Reduce Pancreatitis Responses In An In Vivo Cerulein Model Of Acute Pancreatitis. C. Shugrue, E. Akinbiyi, M. Shitla, V. Patel, E. Thrower, F. Gorelick, Department of Internal Medicine, Section of Digestive Diseases, Department of Cell Biology, Veterans Administration Connecticut Healthcare, West Haven and Yale University School of Medicine, New Haven, Connecticut.

P1-5

iTRAQ reveals a Serum Marker significantly altered in Patients up to 24 months prior to diagnosis with Pancreatic Cancer. C. Jenkinson, V. Elliott, D. O'Brien, A. Evans, R. Sutton, B. Lane, U. Menon, S. Apostolidou, E. Fourkala, I. Jacobs, S.P. Pereira, W. Greenhalf, J. Timms, J.P. Neoptolemos, E. Costello. NIHR Liverpool Pancreas Biomedical Research Unit, UK; Institute for Women's Health/Institute for Liver and Digestive Health, University College London, UK, University of Manchester, UK.

P1-6

Minnelide Decreases Pancreatic Cancer Invasion Through NF- κ B. A. Nomura, S. Banerjee, V. Sangwan, S.M. Vickers, A.K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

P1-7

Predicting Pancreatic Exocrine Insufficiency (PEI) in Patients with Chronic Pancreatitis (CP) According to the Degree of Pancreatic Fibrosis: Role of Endoscopic Ultrasound (EUS)-Guided Elastography. Domínguez-Muñoz JE, Castiñeiras M, Luaces M, Lariño-Noia J, Nieto L, Iglesias-García J. Department of Gastroenterology and Hepatology, Foundation for Research in Digestive Diseases. University Hospital of Santiago de Compostela, Spain.

P1-8

ERK Activation is Required for Pancreatic Regeneration After Pancreatitis. BJ Holtz, LE Watkins, SJ Korpics, JA Williams. Departments of Molecular and Integrative Physiology and Internal Medicine, University of Michigan Ann Arbor, MI.

P1-9

Trafficking Within the Endolysosomal Secretory Pathway Acutely Controls Zymogen Granule (ZG) Secretory Polarity at the Apical Plasma Membrane. DHH Thomas, SW Messenger and GE Groblewski. Department of Nutritional Sciences, University of Wisconsin-Madison.

P1-10

Can Circulating Tumor Cells be used to Diagnose Pancreatic Ductal Adenocarcinoma in Surgical Candidates? J. Perkins, M. Pitman, C. Fernández-del Castillo, A.L. Warshaw, K. Lillemoe, A.S. Liss, S.P. Thayer. Dept. of Surgery & Warshaw Institute; Dept. of Pathology, Massachusetts General Hospital/Harvard Medical School, Boston, MA.

P1-11

Loss of HSP70 Does not Prevent Pancreatic Cancer Tumor Initiation or Progression. V Sangwan, KM Jensen, U Mahasahit, S Banerjee, V Dudeja, SM Vickers, AK Saluja. Department of Surgery, University of Minnesota, Minneapolis, Minnesota.

P1-12

An Early Oral Feeding Strategy after Pancreatoduodenectomy Enhances Recovery without Increasing Morbidity. A Gerritsen, RW Wennink, MGH Besselink, HC van Santvoort, DSJ Tseng, E Steenhagen, IHM Borel Rinkes, IQ Molenaar. Department of Surgery, University Medical Center Utrecht; Department of Surgery, Academic Medical Center Amsterdam; Department of Dietetics, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, The Netherlands.

P1-13

Beyond Antioxidant Therapy for Chronic Pancreatitis: Systematic Search for Pharmacologic Disease-Modifiers with Evidence of Translational Potential. S Jegatheeswaran, AK Siriwardena. Hepatobiliary Surgery Unit, Manchester Royal Infirmary, Manchester, UK.

P1-14

Further Results of Prevention of Post-ERCP Pancreatitis with Multimodality Techniques in Fragile Pancreatic Cancer Patients. A. Pap. Dept of Gastroenterology, National Institute of Oncology, Hungary.

P1-15

Etiologies and Comorbidities Observed in Hospitalized Children with Acute Pancreatitis. AS Grover, AJ Deutsch, V Kadiyala, PA Banks, RJ Grand, DL Conwell, JR Lightdale. Division of Gastroenterology, Boston Childrens Hospital; Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women's Hospital Harvard Medical School, Boston, MA.

P1-16

Expression of Glucagon-like Peptide 1 Receptor and Biological Behavior in Pancreatic Neuroendocrine Tumors. A.I. Cases, T. Ohtsuka, M. Fujino, N. Ideno, S. Kozono, M. Zhao, N. Ikenaga, K. Ohuchida, Y. Oda, K. Mizumoto, M. Tanaka. Departments of Surgery and Oncology and Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-17

A Simple Risk Stratification Score for Predicting Post-ERCP Pancreatitis. A.C. Storm, E. Afghani, A. Sinha, Y.A. Patel, M.A. Khashab, V.S. Akshintala, A.M. Lennon, A.N. Kalloo, V.K. Singh. Div of Gastroenterology, Dept of Medicine, Johns Hopkins Medical Institutions, Baltimore, MD.

P1-18

Circulating Nucleosomes as Predictors of Organ Dysfunction in Severe Acute Pancreatitis. A. Nieminen, A. Rouhiainen, L. Kylänpää, P. Puolakainen, H. Repo, H. Rauvala. Department of Surgery, Helsinki University Central Hospital, Helsinki, Finland; Neuroscience Center, University of Helsinki, Helsinki, Finland; Department of Bacteriology and Immunology, University of Helsinki, Helsinki, Finland.

P1-19

Inhibition of Nuclear Factor kappa B Essential Modifier Ameliorated Severity of Acute Pancreatitis. Z Yuan, SK Garg, U Barlass, R Dawra, A Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota Medical School, Minneapolis, MN, USA.

P1-20

Statins are Associated with Reduced Risk of Acute Pancreatitis: Findings from A Population-Based Cohort Study. BU Wu, SJ Pandol, IL Liu. Center for Pancreatic Care, Southern California Permanente Medical Group; Cedars-Sinai Medical Center, Los Angeles CA; Department of Research and Evaluation, Pasadena CA, Southern California Pancreas Study Group

P1-21

Identification and Characterization of an Aldh1a3-Positive Subtype of Pancreatic Ductal Adenocarcinoma Mediated by Oncogenic Krasg12d/Erk-Mtor Axis. B Kong, W Wu, T Cheng, AM Schlitter, P Bruns, C Jäger, I Regel, S Raulefs, N Behler, M Irmeler, J Beckers, M Erkan, FJ Theis, I Esposito, J Kleeff, CW Michalski. Department of Surgery, Technische Universität München, Munich, Germany; Institute of Pathology, Technische Universität München, Munich, Germany; Institute of Bioinformatics and Systems Biology, Helmholtz-Zentrum München, Munich, Germany; Institute of Experimental Genetics (IEG), Helmholtz-Zentrum München, Munich, Germany; Oregon Health and Science University, Department of Surgery, Divisions of Surgical Oncology and of Abdominal Organ Transplantation, Portland, Oregon, USA.

P1-22

The Atp2c2 Gene as Transcribed from a Novel Transcriptional Start Site in Pancreatic Acini. C Sullivan, R Mehmood, C Pin. Department of Paediatrics, Oncology and Physiology and Pharmacology, Western University Canada, Children's Health Research Institute.

P1-23

A Plea for Biological Resectability Criteria in Surgery of Locally Advanced Pancreatic Cancer. C. W. Michalski, C. Jäger, B. Kong, H. Friess, M. Erkan, J. Kleeff, Dept. of Surgery, Oregon Health and Science University, Portland, OR; 2Dept. of Surgery, Univ. of Technology, Munich, Germany.

P1-24

Mitochondria Regulate Trypsinogen Activation in Pancreatitis. CT Holland, IV Odinkova, A Lugea, N Shalbueva, OA Mareninova, I Gukovsky, AS Gukovskaya. VA Greater Los Angeles Healthcare System and University of California Los Angeles, CA.

P1-25

Prognostic Value of Circulating Tumor Cells in Patients with Pancreatic Adenocarcinoma. C.E. Cauley, M. Pittman, J. Zhou, N. Valsangkar, A. Liss, C. Fernandez-del Castillo, A.L. Warshaw, K.D. Lillemoe, S.P. Thayer. Department of Surgery & Warshaw Institute; Department of Cytopathology; Massachusetts General Hospital, Boston, MA.

P1-26

A Kinase Inhibitor Specific for DCLK1 Demonstrates Therapeutic Potential Against Human Pancreatic Adenocarcinoma Cells. D. Qu, N. Weygant, W. Berry, R. May, D. Owen, C. W. Houchen. Department of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK.

P1-27

World Health Organization (WHO) FRAX Calculator Utility in Chronic Pancreatitis. D.L. Conwell, V. Kadiyala, S.L. Suleiman, S.J. Burton, P.A. Banks. Center for Pancreatic Disease, Brigham and Women's Hospital, Harvard Medical School, Boston MA.

P1-28

Therapeutic Implications of Compartmental TGF β Signaling. DR Principe, J Bauer, W Mascarinas, R Hwang, B Jung, P J Grippo. Northwestern University Feinberg School of Medicine, Chicago, IL and MD Anderson Cancer Center, Houston, TX.

P1-29

Clinicopathological Features of Patients with Intraductal Papillary Mucinous Neoplasms and Simultaneous Pancreatic Neuroendocrine Tumors. D. Koliogiannis, S. Fritz, M. Klauss, F. Bergmann, M.W. Büchler, J. Werner. Department of Surgery, University of Heidelberg, Germany; Department of Diagnostic and Interventional Radiology, University of Heidelberg, Germany; Institute of Pathology, University of Heidelberg, Germany

P1-30

Cholesterol Polyps in Common Bile Duct Mimicking Malignant Biliary Tract Obstruction. D Thirabanjasak. Department of Pathology, Faculty of Medicine, Chulalongkorn University, Bangkok.Thailand.

P1-31

A Large Cohort Study of the Incidence of Severe Post-ERCP Pancreatitis Using the Consensus and Revised Atlanta Criteria. E. Afghani, A. Sinha, A. Storm, Y.A. Patel, V.S. Akshintala, M.A. Khashab, A.M. Lennon, A.N. Kalloo, V.K. Singh. Division of Gastroenterology, Department of Medicine, Johns Hopkins Medical Institutions, Baltimore, MD.

P1-32

Apelin Reduces Chronic Pancreatitis-induced Inflammation. S. Han, E.W. Englander, C. Rastellini, G.A. Gomez, G.H. Greeley, Jr. Department of Surgery, University of Texas Medical Branch, Galveston, TX.

P1-33

Preclinical Testing of a New Combinatorial Therapy Against Aurora A and G9a for the Treatment of Pancreatic Cancer. A. Mathison, M. Fernandez-Zapico, R. Urrutia and G. Lomberk. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), Mayo Clinic, Rochester, MN.

P1-34

Outcome of the Patients with Pancreatic Ductal Adenocarcinoma and Borderline Operable Vascular Invasion. H Seppänen, A Juuti, H Mustonen, C Haapamäki, S Nordling, J Sirén, C Haglund, T Kiviluoto. Department of Surgery, Department of Pathology, Helsinki University Central Hospital Helsinki, Finland.

P1-35

Crosstalk between Prostaglandin E2 Signaling and mTOR Pathway in Pancreatic Cancer. H. Chang and G. Eibl. Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA.

P1-36

Predictors for Mortality Following Acute Pancreatitis in Children. H Lu, Q Guo, A Li, Z Zhang, W Hu, Y Su, Y Liu. Hepato-Bilio-Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu; Sichuan Province, China. R & D Department, Sichuan ENWEI Pharmacy, CO. LTD. Chengdu, Sichuan Province, P. R. China.

P1-37

Pancreatic Enzyme Replacement Therapy and Nutritional Advice are Associated with Longer Survival in Patients with Unresectable Pancreatic Cancer (PC). J.E. Dominguez-Muñoz, L. Nieto, J. Iglesias-Garcia. Department of Gastroenterology and Hepatology, Foundation for Research in Digestive Diseases, University Hospital of Santiago de Compostela, Spain.

P1-38

Inflammatory Process and Cell Death in Pancreatic Acinar Cells in Response to Tobacco Compared to Alcohol. M Luaces-Regueira, M Castiñeira-Alvariño, JE Domínguez-Muñoz. Foundation for Research in Digestive Diseases. Department of Gastroenterology and Hepatology. University Hospital of Santiago de Compostela, Spain.

P1-39

3.0-Tesla Diffusion Weighted MRI (DW-MRI) Differentiates Healthy Controls from Equivocal/Mild Chronic Pancreatitis (CP). V.A. Sahni, N.I. Sainani, V. Kadiyala, L.S. Lee, S.L. Suleiman, P.A. Banks, D.L. Conwell. Division of Abdominal Imaging and Intervention, Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy; Brigham and Women's Hospital, Harvard Medical School, Boston MA.

P1-40

Imaging Modalities to Assay Molecular Biomarkers of Resistance in Pancreatic Cancer. J. Castellanos, N. Nagathihalli, E. McKinley, Y. Beesetty, C. Shi, H. Charles Manning, and N. Merchant. Departments of Surgery, Radiology, Pathology, and Cancer Biology, Vanderbilt-Ingram Cancer Center, Nashville, TN.

P1-41

30 Day Outcomes Underestimate Endocrine and Exocrine Insufficiency After Pancreatic Resection. P. Lim, M. Sullivan, W. Wassef, J. Zivny, G. Whalen, J. LaFemina. Department of Surgery, Department of Gastroenterology, University of Massachusetts, Worcester, MA.

P1-42

Surgical Resection after Silencing of ZIP4 Significantly Improves Survival of Pancreatic Cancer through Inhibiting Cachexia and p38 MAPK Pathway. J. Yang, Y. Zhang, X. Cui, G. Zhang, X. Ni, V. F. Zhu, C. D. Logsdon, J. P. Hagan, Y. Li, Min Li. The Vivian L. Smith Department of Neurosurgery, University of Texas Medical School at Houston, Houston, TX; Department of Cancer Biology, University of Texas, M.D. Anderson Cancer Center, Houston, TX; Department of Integrative Biology & Pharmacology, University of Texas Medical School at Houston, Houston, TX; Department of General Surgery, Zhongshan Hospital, Shanghai, China.

P1-43

Autophagy in BxPC-3 Human Pancreatic Cancer Cells is Similar to PANC-1 When Treated with Anticancer Drugs and Inhibitors of Autophagy. D Hashimoto, M Bläuer, J Sand, M Hirota, J Laukkarinen. Tampere Pancreas Laboratory and Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland, and Department of Gastroenterological Surgery, Kumamoto University Graduate School of Medical Sciences, Kumamoto, Japan.

P1-44

Concerning Trends in the Management of the Metastatic Pancreatic Cancer. J. McNabb-Baltar, J. D. Sammon, V. Trinh, Q.D. Trinh, D Conwell. Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

P1-45

S1P Activation of Pancreatic Stellate Cells Promotes MMP9 Dependent Cancer Cell Migration and Invasion. Y. Bi, J. Li, N. Kang, V. Shah. Gastroenterology Research Unit, Department of Gastroenterology and Hepatology. Mayo Clinic, Rochester, MN USA.

P1-46

Development of a Novel Next Generation Sequencing (NGS) Method for Detection of Low Concentration Sequence Variants. L Yan, J A Nicholson, L Bennet, K Bullock, M Lombard, H Smart, J Evans, C Halloran, P Ghaneh, E Costello, R Sutton, J P Neoptolemos, W Greenhalf. NIRH Pancreas Biomedical Research Unit, University of Liverpool.

P1-47

CD166 Expression Characterized Tumorigenicity, and Invasive and Migratory Activities of Pancreatic Cancer Cell Lines. K. Fujiwara, K. Ohuchida, Shin Akagawa, T. Ohtsuka, K. Mizumoto, M. Tanaka. Departments of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka; Research Fellow of the Japan Society for the Promotion of Science, Tokyo, Japan.

P1-48

The Beginning of the End of Nihilism in Pancreatic Ductal Adenocarcinoma (PDAC)? K. M. Johnson, M.A. Firpo, K.M. Boucher, C.L. Scaife, S.J. Mulvihill. Departments of Surgery and Oncological Sciences, University of Utah School of Medicine, and Huntsman Cancer Institute, Salt Lake City, UT, USA.

P1-49

Salinomycin Induced Autophagy and is Related with its Killing Effect for Pancreatic Cancer Cells. K Nakata, M Zhao, K Ohuchida, Y Miyasaka, R Maeyama, T Ohtsuka, E. Nagai, K Mizumoto, M Tanaka. Department of Surgery and Oncology, Graduate of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-50

Treatment Strategy for Main Duct Intraductal Papillary Mucinous Neoplasms of the Pancreas Based on the Assessment of Recurrence in the Remnant Pancreas after Resection: A Retrospective Review. K.Tamura, T.Ohtsuka, N.Ideno, T.Aso, K.Shindo, Y. Oda, K.Ohuchida, S.Takahata, K.Mizumoto, and M.Tanaka. Departments of Surgery and Oncology, Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-51

Clinicopathological Feature Of The Slight Change Of Branch And Main Pancreatic Duct Induced By Intraductal Low Papillary Neoplasm Without Mass Forming And Mucin. Y Tada, K Yoshida, R Ugaji, Y Nakashima, T Iwao. Aizu Central Hospital. Okayama, Japan.

P1-52

Transgastric Hypothermia Achieves Temperatures that Synergistically Slow Multiple Signaling Pathways Relevant to Acute Pancreatitis (AP). V. Mishra, R.N. Trivedi, K. Patel, P. Noel, C. Durgampudi, C. Acharya, J.A. Holmes, S. Narla, V.P. Singh. Department of Medicine University of Pittsburgh, UPMC Passavant, Swanson Center for Product Innovation, Graduate School, Lake Erie College of Osteopathic Medicine, Division of Gastroenterology, University of Pittsburgh, Pittsburgh, PA.

P1-53

Serum Amylase on the Night of Surgery Predicts Clinically Significant Pancreatic Fistula after Pancreaticoduodenectomy. LK Palani Velu, VV Chandrabalan, S Jabbar, DC McMillan, CJ McKay, CR Carter, NB Jamieson, EJ Dickson. West of Scotland Pancreatic Unit, Glasgow Royal Infirmary, U.K.; Academic Department of Surgery, University of Glasgow, U.K.

P1-54

Resected Pancreatic Adenocarcinomas with Recurrence Limited in Lung have a Significantly Better Prognosis than those with Other Recurrence Patterns. T Wangjam, L Iyer, Z Zhang, F Faisal, EK Fishman, RH Hruban, J Herman, D Laheru, M Weiss, C Wolfgang, L Zheng, A De Jesus-Acosta. Department of Oncology, Surgery, Pathology, Radiology, and Radiation Oncology, Johns Hopkins University School of Medicine; Internal Medicine Program, Sinai Hospital, Baltimore, MD.

P1-55

Development of a Personalized Diagnostic Chronic Pancreatitis Risk Score. LS Lee, Y Tabak, RS Johannes, X Sun, V Kadiyala, S Suleiman, PA Banks, DL Conwell. Center for Pancreatic Disease, Brigham and Women's Hospital, Boston, MA; Clinical Research, CareFusion, San Diego, CA.

P1-56

What's the Impact of Duodenopancreatectomy on the Elderly Patient? J Targarona, D Callacondo, C Pino, C Rodriguez, G Coayla, R Garatea, DC Barreda, L Barreda. Department of Pancreatic Surgery - Hospital Edgardo Rebagliati Martins.

P1-57

Inhibition of Pancreatitis-Associated Cell Death Using a Human Pancreatic Acinar Cell Model. M. A. Javed, R. Mukherjee, L. Wen, W. Huang, M. Chvanov, M. Awais, D. N. Criddle, A. Tepikin M. Raraty, P. Ghaneh, J. P. Neoptolemos, R. Sutton. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital and University of Liverpool and Department of Cellular and Molecular Physiology, University of Liverpool, Liverpool, UK.

P1-58

Pathobiological Implications of Endothelin Axis in Pancreatic Cancer. S Gupta, MA Macha, S Rachagani, S Kaur, S Kumar, L Smith, SL Johansson, SK Batra, M Jain. Department of Biochemistry and Molecular Biology; Department of Pathology and Microbiology; Department of Biostatistics; Eppley Institute for Research in Cancer and Allied Diseases, University of Nebraska Medical Center, Omaha, NE.

P1-59

E2F1, the Transcription Factor Related to Proliferation and Cell Death, Mediates Activation of Vmp1 Gene Promoter Inducing Autophagy in Pancreatic Tumor Cells. A. Ropolo, M. Giovenco, A. Lo Re, M.I. Molejon, C. Catrinacio, V. Boggio, M.I. Vaccaro. Institute for Biochemistry and Molecular Medicine, CONICET, University of Buenos Aires, Argentina.

P1-60

Inhibition of GSK3 Reduces p70S6K Activity and Promotes Autophagy in Pancreatic Cancer Cells. B. Marchand, and M.-J. Boucher. Div. of Gastroenterology, Dept. of Medicine, Université de Sherbrooke, Québec, Canada.

P1-61

Significance of Visceral Fat Volume as a Predictive Factor for Postoperative Pancreatic Fistula with Pancreaticoduodenectomy. M. Araki, Y. Nakata, K. Kamei, H. Ishikawa, T. Nakai, T. Murakami, Y. Takeyama. Department of Surgery, Kinki University Faculty of Medicine, Osaka-sayama, Japan. Department of Radiology, Kinki University Faculty of Medicine, Osaka-sayama, Japan

P1-62

IgG4 Level in Pancreatic Juice to Diagnose Autoimmune Pancreatitis (AIP) – A Pilot Study. MJ Bartel, KKB Kyanam, J Hoyne, L McCrone, TA Woodward, MB Wallace, M Raimondo. Department of Gastroenterology, Mayo Clinic, Jacksonville, FL; Laboratory Medicine and Pathology, Mayo Clinic, Jacksonville, FL.

P1-63

Relationship between Pancreatic Ductal Adenocarcinoma and Pancreatic Intraepithelial Neoplasia (Panin) in Resected Specimens after Whipple's Procedure. M. Bezmarevic, D. Mirkovic, I. Tufegdžic. Clinic for General Surgery, Institute of Pathology, University of Defence, Belgrade, Serbia.

P1-64

A History of Acute Recurrent Pancreatitis (HARP) Protects Against Post-ERCP Pancreatitis (PEP) in Large Duct Chronic Pancreatitis (LDCP). Y.A. Patel, E. Afghani, A. Sinha, A.C. Storm, M.A. Khashab, V.S. Akshintala, A.M. Lennon, A.N. Kalloo, V.K. Singh. Division of Gastroenterology, Department of Medicine, Johns Hopkins Medical Institutions, Baltimore, MD.

P1-65

The Microbiome of Walled-off Pancreatic Necrosis: Analysis of Blood and Endoscopic Culture Results. N Kumar, D Conwell, CC Thompson. Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

P1-66

Triptolide Inhibits NFκB Activity by Inducing ER Stress in Pancreatic Cancer Cell Lines. O. Alsaied, S. Banerjee, V. Sangwan, R. Chugh, V. Dudeja, S. Vickers, A. Saluja. University of Minnesota, Minneapolis, MN.

P1-67

A Non-Invasive Method of Assessing Mouse Pancreatic Volume in Experimental Models Using Micro-MRI. J. Paredes, T. Ahmad, K. Lemon, T. Javed, A. Orabi, K. Tobita, S. Husain. Department of Pediatrics, University of Pittsburgh, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA Children's Hospital Imaging Core, University of Pittsburgh, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA.

P1-68

Background and Design of Controlled Randomized Trial: Pancreatico-gastrostomy Versus Pancreaticojejunostomy in Reconstruction after Cephalic Duodenopancreatectomy in Patients with Soft Pancreas and Small Pancreatic Duct- PANAM Study. D. Radenkovic, Dj. Bajec, N. Ivancevic, P. Gregoric, V. Jeremic, A. Antic, I. Pejovic, S. Kmezic, M. Levicanin, A. Bajec. Clinic for Digestive Surgery, Clinical Center of Serbia, School of Medicine, Belgrade, Serbia; Clinic for Emergency Surgery, Clinical Center of Serbia, School of Medicine, Belgrade, Serbia

P1-69

Superparamagnetic Iron Oxide Nanoparticles (SPIONs) as Targeted Drug Delivery Vehicles in Pancreatic Cancer Cell Lines. P. Sykes, E. Hasan, D. Lydon, C. Rubbi, J. Neoptolemos, R. Sutton, E. Costello, M. Rosseinsky, Halloran C. Liverpool NIHR Pancreas Biomedical Research Unit, UK; Department of Chemistry, University of Liverpool, UK.

P1-70

Strong Inhibition of Pancreatic Ductal Bicarbonate Secretion By Ethanol and Fatty Acids. J. Maléth, L. Judak, L. Kemeny, Z. Balla, B. Kui, P. Pallagi, V. Venglovecz, A. Somoracz, K. Borka, A. Balazs, I. Nemeth, Z. Rakonczay, M. Gray, P. Hegyi. First Dept. of Medicine, Department of Pharmacology and Pharmacotherapy, Department of Dermatology and Allergology, University of Szeged, Szeged, Hungary, 2nd Department of Pathology, Semmelweis University, Budapest, Hungary, Institute for Cell & Molecular Biosciences, Newcastle University, Newcastle upon Tyne, UK.

P1-71

Diagnostic Performance of Endoscopic Ultrasound-Guided Pancreatic Trucut Biopsy in Autoimmune Pancreatitis. P Hart, L Zhang, C Lee, K Notohara, L Fujii, S Chari, M Levy. Division of Gastroenterology and Department of Pathology, Mayo Clinic Rochester, MN.

P1-72

Inhibition of β III-Tubulin Using a Novel Nanoparticle-siRNA Approach Sensitises Pancreatic Cancer Cells to Chemotherapy. J. Teo, C. Boyer, J. Liu, G. Sharbeen, R. Erlich, J. Youkhana, H.T. Duong, D. Goldstein, T.P. Davis, M. Kavallaris, J. McCarroll, P.A Phillips. Pancreatic Cancer Translational Research Group, Lowy Cancer Research Centre, University of New South Wales (UNSW), Sydney, Australia; Tumour Biology and Targeting Program, Children's Cancer Institute Australia, Lowy Cancer Research Centre, UNSW; Australian Centre for Nanomedicine, UNSW.

P1-73

Reduced Anterior Gradient 2 Expression is Induced by EMT and Correlated with Poor Outcome in Pancreatic Ductal Adenocarcinoma. Y. Mizuuchi, S. Aishima, K. Ohuchida, K. Shindo, K. Mizumoto, M. Tanaka, Y. Oda. Department of Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-74

Urgent ERCP with Pancreatic Stent Placement or Replacement for Salvage of Post-ERCP Pancreatitis. T. Kerdsirichairat, R. Attam, A.A. Mustafa, Y.G. Bakman, D.M. Radosevich, M.L. Freeman. University of Minnesota, Minneapolis, MN.

P1-75

Improving the Quantification of Flavonoid Aglycones and Glucuronides in Animal Tissues and Tumor Xenografts. Q.Y. Lu, L. Zhang, G. Eibl, V.L.W. Go. Department of Medicine, and Surgery, David Geffen School of Medicine, University of California, Los Angeles, CA, USA.

P1-76

PI3K/AKT/mTOR and Sonic Hedgehog Pathways Cooperate Together to Inhibit Human Pancreatic Cancer Stem Cell Characteristics and Tumor Growth in NOD/SCID/IL2R γ manull Mice. N. Sharma, Y. Ma, W. Yu, M. Rodova, S. Shankar, R.K. Srivastava. Department of Pharmacology, Toxicology and Therapeutics, and Medicine, The University of Kansas Cancer Center, The University of Kansas Medical Center, Kansas City, KS, USA. Department of Pathology and Laboratory Medicine, The University of Kansas Cancer Center, The University of Kansas Medical Center, Kansas City, KS, USA.

P1-77

Selective Inhibitors of Nuclear Export (SINE) for Gemcitabine Resistant Pancreatic Cancer. A.S. Azmi, M. Kauffman, S. Shacham, R.M. Mohamad. Dept. of Pathol, WSU; Karyopharm, Boston MA; HMC, Qatar; Dept. of Oncol, KCI, Detroit, USA.

P1-78

K-Ras Depletion Reduces G2 Cyclins without Reducing the Ratio of Glycolysis to Oxidative Phosphorylation in Pancreatic Cancer Cell Lines. R. Ferguson, L. Bennett, A. Ware, W. AbuAlainin, J.P. Neoptolemos, E. Costello and W. Greenhalf. Department of Molecular and Clinical Cancer Medicine, Liverpool Cancer Research UK Centre, University of Liverpool, Liverpool, UK.

P1-79

Histone Deacetylase Inhibition (HDAC) Sensitizes Pancreatic Cancer Cells to TRAIL Induced Cell Death. R Chugh, V Dudeja, O Alsaied, S Banerjee, V Sangwan, A Saluja, SM Vickers. Surgery, Basic and Translational Research Lab, Minneapolis, MN, United States.

P1-80

Higher Overall Risk of Pancreatic Cancer in patients with Pancreatic Cyst. S. Munigala, S. Javia, A. Gelrud, D.L. Conwell, J. Scherrer, B. Agarwal. Department of Internal Medicine, Division of Gastroenterology and Hepatology, Saint Louis University; Center for Pancreatic Disorders, Section of Gastroenterology, Hepatology and Nutrition, University of Chicago; Center for Pancreatic Disease, Division of Gastroenterology Hepatology and Endoscopy, Brigham and Women's Hospital, Harvard Medical School, Boston; St. Louis VAMC, Research Service and Department of Family and Community Medicine, Saint Louis University School of Medicine.

P1-81

Urgent Surgical Treatment of Chronic Relapsing Pancreatitis. S Takahata, T Otsuka, J Ueda, K Mizumoto, S Shimizu, M Tanaka. Department of Surgery and Oncology, Kyushu University, Fukuoka, Japan.

P1-82

Ethanol Feeding Alters the Redox Status of the Endoplasmic Reticulum Proteome in Mouse Pancreas. RT Waldron, J Capri, R Gong, JP Whitelegge, KF Faull, SJ Pandol, A Lugea. Department of Medicine, VAGLAHS, Cedars Sinai Medical Center, Semel Institute, UCLA, Los Angeles, CA.

P1-83

Beneficial Effect of Garlic (*Allium Sativum*) on L-Arginine Induced Chronic Pancreatitis in Rats. SK Sharma, SV Rana, DK Bhasin, S Rana, R Nada, S Malhotra. Department of Gastroenterology; Histopathology; Pharmacology, PGIMER, Sector-12, Chandigarh, India.

P1-84

Histon Deacetylase 1 is Responsible for Radioresistance of Pancreatic Cancer Cells. T Tanaka, K Ohuchida, K Mizumoto, S Kozono, M Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-85

Cathepsin D Drives the Fibrogenic Potential of Pancreatic Stellate Cells and Stromal Development. U.M. Mahajan, T. Schwaiger, F.-U. Weiss, M. Löhner, W. Halangk, M.M. Lerch, J. Mayerle. Department of Internal Medicine A, Ernst-Moritz-Arndt University, Greifswald, Germany; CLINTEC, Karolinska Institutet, Stockholm, Sweden; Department of Experimental Surgery, Otto-von-Guericke-University Magdeburg, Germany.

P1-86

Morphine as an Analgesic in Acute Pancreatitis Can Increase Morbidity by Causing Persistence of Local and Systemic Inflammation in Cerulein Induced Pancreatitis. U. Barlass, R. Dutta, SK. Garg, S. Roy, A. Saluja, R. Dawra, Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

P1-87

Combination of TRAIL and Triptolide Induces Lysosomal and Mitochondrial Membrane Permeabilization by Modulation of the Death Receptor Pathway in Pancreatic Cancer Cells. Z Chen, V Sangwan, S Banerjee, SM Vickers, AK Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN.

P1-88

Basic Amino Acids Cause Mitochondrial Injury in Pancreatic Acinar Cells. Z. Rakonczay Jr., E. Végh, G. Kovács, B. Iványi, T. Wittmann, T. Takács, P. Hegyi. First Department of Medicine, Department of Pathology, University of Szeged, Szeged, Hungary.

P1-89

Triptolide Modulates Histone Methylation in Pancreatic Cancer Cells. V. Dudeja, R. Chugh, S. Banerjee, V. Sangwan, R. Dawra, S. Vickers, A. Saluja. Department of Surgery, University of Minnesota.

P1-90

Characteristics and Outcomes of Borderline Resectable Pancreatic Cancer Compared with Resectable Disease. A. Thomas, J. Melling, R. Jackson, P. Whelan, P. Sykes, O. Jones, R. Smith, F. Campbell, J. Evans, M. Raraty, C. Halloran, R. Sutton, J. Neoptolemos, P. Ghaneh. NIHR Pancreas Biomedical Research Unit and CR-UK Pancreas Cancer Centre, Liverpool, UK, CR-UK Liverpool Cancer Trials Unit, Liverpool, UK; Royal Liverpool and Broadgreen University NHS Hospital Trust, Liverpool, UK.

P1-91

Increased Urine collagen cross-linked N-telopeptide (NTX) is Not Associated with Advanced Chronic Pancreatitis (CP). V. Kadiyala, S.L. Suleiman, S.J. Burton, P.A. Banks, D.L. Conwell. Center for Pancreatic Disease, Brigham and Women's Hospital, Harvard Medical School, Boston MA.

P1-92

Trends in Radiographic and Endoscopic Imaging Utilization in Acute Pancreatitis (AP). V. Antoine-Gustave, V. Kadiyala, P. Banks, D. Conwell. Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy; Brigham and Women's Hospital, Harvard Medical School, Boston MA.

P1-93

Gene Expression Profiling in Acute Pancreatitis. K. Altaf, B. Lane, L. Rainbow, C. Halloran, W. Greenhalf, R. Sutton. Liverpool NIHR Pancreas Biomedical Research Unit, Liverpool, UK; Centre for Genomic Research, University of Liverpool, UK

P1-94

Pancreatitis Quality of Life Instrument (PANQOLI): Validation of the Electronic Version. W. Wasef, C. Bova, B. Barton, C. Hartigan, Division of Gastroenterology, Graduate School of Nursing, Department of Quantitative Health Science, University of Massachusetts Medical School, Worcester, MA.

P1-95

Predictors of Surgical Utilization for Low Risk Pancreatic Cystic Lesions. S. Y. Quan, B. Visser, G. Poultides, J.A. Norton, A. Chen, S. Banerjee, S. Friedland, W.G. Park. Department of Medicine, Department of Surgery, Stanford University, CA.

P1-96

Induction of Beta Like Cell From ES-Derived Hepatic Cell in Vitro. Y Kanoh, F Yue, D Tomotsune, H Ichikawa, S Yoshie, S Takizawa, T Yokoyama, K Okumura, K Sasaki. Department of Histology and Embryology, Shinshu University School of Medicine; Burbon Corporation; ARC Center Juntendo University.

P1-97

Total Pancreatectomy for Cancer: Renaissance of an Unpopular Operation. W. Hartwig, A. Gluth, T. Hackert, U. Hinz, O. Strobel, A. Hector, M.W. Büchler, J. Werner. Department of General Surgery, University of Heidelberg, Germany.

P1-98

Comparison of IgG4-positive Plasma Cell in Type 1 Autoimmune Pancreatitis and Pancreatic Ductal Adenocarcinoma. K Uchida, Y Fukui, T Ikeura, Y Sakaguchi, M Shimatani, T Fukui, M Matsushita, M Takaoka, A Nishio, S Satoi, AH Kwon, K Okazaki. Department of Gastroenterology and Hepatology, Department of Surgery, Kansai Medical University, Hirakata, Japan.

P1-99

Rab3D and Rab27B Cooperatively Regulate Secretion in Mouse Pancreatic Acini. Y Hou, X Chen, JA Williams. Department of Molecular and Integrative Physiology, University of Michigan, Ann Arbor, MI.

FRIDAY, NOVEMBER 2**7:00 AM - 6:00 PM POSTER SESSION 2**

OCEAN TOWER 1

Posters P2:1-12 Posters of Distinction

P2-1

Atrophy, Calcifications, and Small Volume Pancreata by CT/MRI Predict Lower Islet Mass and Insulin Dependence in Total Pancreatectomy-Islet Autotransplantation (TPIAT). M. Young, J. Theis, G. Beilman, S. Walker, T. Pruet, S. Chinnakotla, T. Dunn, S. Schwarzenberg, M. Freeman, M. Bellin. University of Minnesota, Minneapolis, MN.

P2-2

The Significance of Cationic Trypsinogen Mutation p.E79K in Chronic Pancreatitis. A. Szabó and M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University Medical Center, Boston, MA.

P2-3

Not All Combined Intraductal Papillary Mucinous Neoplasms (IPMNs) Behave Like Main-Duct Lesions: Implications of Minimal Involvement of the Main Pancreatic Duct (MPD). K. Sahara, C. Fernandez-del Castillo, S.P. Thayer, C. Ferrone, W. Brugge, D. Sahani, A.L. Warshaw, K. Lillemoe, M. Mino-Kenudson. Department of Surgery, Gastroenterology, Radiology and Pathology, Massachusetts General Hospital, Boston, USA.

P2-4

Hereditary Pancreatitis Associated Mutations in the Trypsinogen Activation Peptide. A. Geisz, P. Hegyi, L. Czakó, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University Medical Center, Boston, MA, USA; First Department of Medicine, University of Szeged, Szeged, Hungary.

P2-5

Adenovirus-Delivered Interferon Sensitized Chemo- and Radiotherapy for Pancreatic Cancer. J. Han, Y. Miura, R. Shanley, X. Luo, K. Aoki, E. Greeno, S. M. Vickers, M. Yamamoto, J. Davydova. Surgery Department, Division of Biostatistics, University of Minnesota, Minneapolis, MN, US; National Cancer Center Research Institute, Tokyo, Japan.

P2-6

Epigenetic Signaling by HP1 Regulates KRAS-Induced Growth Promoting Gene Networks in Pancreatic Cancer Cells. G. Lomberk, A. Mathison, and R. Urrutia. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), Mayo Clinic, Rochester, MN.

P2-7

Orai1 Inhibition Prevents Calcium Toxicity and Acute Pancreatitis. L.Wen, D.Collier, S.Voronina, M.A. Javed, M. Awais, M. Begg, J. Barrett, D.N. Criddle, A. Tepikin, R. Sutton. LiverpoolNIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Department of Cellular and Molecular Physiology, University of Liverpool, Respiratory Therapy Area, GlaxoSmithKline, Stevenage, UK.

P2-8

The Radiologic Assessment of Pancreatic Disease Project (RAPiD): Predicting Pancreas Function with Qualitative MRI Features. N.I. Sainani, V. Kadiyala, L.S. Lee, S.L. Suleiman, P.A. Banks, D.L. Conwell. Division of Abdominal Imaging and Intervention; Center for Pancreatic Disease, Brigham and Women's Hospital, Harvard Medical School. Boston, MA, USA.

P2-9

Comparison of the Natural History, Demographic Features and Progression of Intermediate Risk Unifocal Versus Multifocal IPMNs. V Dorfman, R Rosenblatt, JM Ponerros, A Sethi, JD Allendorf, BA Schrope, JA Chabot, TA Gonda. Department of Medicine, Columbia University Medical Center, New York, NY

P2-10

Trypsin Activation is not Required for Co-Localization of Zymogen Granules and Lysosomal Hydrolases in Acute Pancreatitis. SK Garg, U Barlass, J Ouchveridze, Z Yuan, AK Dixit, V Dudeja, R Dawra, A Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

P2-11

Covered Self-Expanding Metal Stents (CSEMS) May Offer Improved Clinical Success Compared to Multiple Plastic Stents (PS) in Strictures Secondary to Chronic Pancreatitis: a Systematic Review and Meta-Analysis. A Siiki, M Helminen, J Sand, J Laukkarinen. Dept. of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; Science Center, Pirkanmaa Hospital District and School of Health Sciences, University of Tampere, Tampere, Finland.

P2-12

Temporal Trends of Nutritional Therapy in Acute Pancreatitis. J. McNabb-Baltar, L. Lee, V. Kadiyala, S.L. Suleiman, P. Banks, D. Conwell. Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

P2-13

Chronic Pancreatitis Outcomes in the Emergency Department. J McNabb-Baltar, L Lee, P Banks, D Conwell. Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

P2-14

Chronic Pancreatitis and Low-Trauma Fracture: Analysis of the Nationwide Emergency Department Sample. J. McNabb-Baltar, E. Afghani, L. Lee, P. Banks, D. Conwell. Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

P2-15

Female Gender Impacts Mortality and Length of Stay in Acute Pancreatitis in the United States. J. McNabb-Baltar, L. Lee, P. Banks, D. Conwell. Division of Gastroenterology, Hepatology, and Endoscopy, Fish Center for Women's Health, Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

P2-16

Finnish Binding Pancreaticojejunostomy after Pancreaticoduodenectomy: a Prospective Study of 161 Consecutive Pancreaticoduodenectomies. J. Laukkarinen, I. Nordback, S. Rätty, V. Jormanainen, J. Sand. Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland.

P2-17

Change in the Attitudes of Surgical Leaders Regarding the National Centralization of Whipple Procedures. J Sand, J Laukkarinen, I Nordback. Division of Surgery, Gastroenterology and Oncology, Tampere University Hospital, Finland; Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Finland.

P2-18

Defining the optimal Extent of Vascular Resection at Pancreaticoduodenectomy (PD): Systematic Assessment of Outcome from Resection Incorporating the Superior Mesenteric Artery (SMA). MA Abdeldayem, S Jegatheswaran, AK Siriwardena. Hepatobiliary Surgery Unit, Manchester Royal Infirmary, Manchester, UK.

P2-19

Effects of a Combined Cyclooxygenase/Lipoxygenase Inhibitor in Pancreatic Cancer. H.M.A. Kader, N Nalin, M El-Zeiry, S. Laufer, T.E. Adrian. Department of Physiology, Faculty of Medicine, UAE University, Al Ain, UAE; Department of Pharmaceutical Chemistry, Eberhard-Karls-University, Tübingen, Germany.

P2-20

Natural History of Patients with Predicted Severe Acute Pancreatitis. E. Afghani, J. McNabb-Baltar, P.A. Banks, A. Sinha, M. Faghieh, B.U. Wu, D.L. Conwell, V.K. Singh. Division of Gastroenterology, Johns Hopkins Medical Institutions, Baltimore, MD; Division of Gastroenterology, Brigham and Women's Hospital, Boston, MA.

P2-21

Comparisons of Characteristics of Peritoneal Fibroblasts in Dissemination with those of Mesothelial Cells and Pancreatic Stellate Cells in Pancreatic Cancer. S. Akagawa, K. Ohuchida, N. Torada, D. Eguchi, S. Kozono, T. Ohtsuka, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Kyushu University Hospital Cancer Center, Fukuoka, Japan.

P2-22

Quantitative Assessment of Solid Debris within Pancreatic Fluid Collections using Computed Tomography (CT). V.S.Akshintala, A.Kamal, M.Haider, A.Sinha, V.K.Singh, A.Zaheer. Division of Gastroenterology, Department of Radiology, Johns Hopkins Medical Institutions, Baltimore, MD.

P2-23

Micro RNA Profiling in Acute Pancreatitis. K. Altaf, B. Lane, L. Rainbow, C. Halloran, W. Greenhalf, R. Sutton. Liverpool NIHR Pancreas Biomedical Research Unit, Liverpool, UK; Centre for Genomic Research, University of Liverpool, UK.

P2-24

Fully Covered Through-the-Scope Esophageal Metallic Stents for Endoscopic Transluminal Drainage and Necrosectomy for Walled- Off Necrosis. Y Nemoto, J Roat, M Arain, M Freeman, R Attam. Department of Medicine, University of Minnesota, Minneapolis, MN.

P2-25

Development of Small Molecule Inhibitors of Cyclophilin D for Treatment of Severe Acute Pancreatitis. M. Awais, M.A. Javed, L. Wen, R. Gibson, E. Shore, N. Kershaw, D.N. Criddle, A. Tepikin, N. Berry, P. O'Neill, L-Y Lian, B.K. Park, R. Sutton. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital and University of Liverpool, Department of Cellular and Molecular Physiology and Department of Molecular and Clinical Pharmacology, Institute of Translational Medicine, NMR Centre for Structural Biology, Institute of Integrative Biology and Department of Chemistry, University of Liverpool, Liverpool, UK.

P2-26

Isolation of Quiescent and Activated Human Pancreatic Stellate Cells for microRNA Profiling. L. Barrera, F. Oldfield, Q. Nunes, F. Campbell, B. Lane, T. Andrews, P. Phillips, W. Greenhalf, J. Neoptolemos, E. Costello. Liverpool CR-UK Centre, University of Liverpool, UK. NIHR Pancreas Biomedical Research Unit, RLUH, UK. Department of Pathology, RLUH, UK. The University of New South Wales, Sydney, Australia.

P2-27

Insulinoma of the Pancreas: 60 Years Experience in Diagnosis and Treatment. M. Bezmarevic, S. Kikovic, D. Mirkovic, Z. Hajdukovic. Clinic for General Surgery, Clinic for Endocrinology, University of Defence, Belgrade, Serbia.

P2-28

IL1B Mediates NF-kB Activity in Pancreatic Cancer Cells. A Chandra, A Nomura, O McGinn, R Chugh, V Sangwan, A Saluja and S Banerjee. Division of Basic and Translational Research, Dept. of Surgery, University of Minnesota, Minneapolis, MN.

P2-29

Obstructive Jaundice Impairs Dynamic Exercise Performance in Patients Undergoing Major Pancreatic Surgery. VV Chandrabalan, LK Palani Velu, NB Jamieson, DC McMillan, CJ McKay, CR Carter, EJ Dickson. West of Scotland Pancreatic Unit, Glasgow Royal Infirmary, UK; Academic Department of Surgery, University of Glasgow, UK.

P2-30

Microscopic and Ultrastructural Changes of Large Bowel in Acute Pancreatitis. S. Chooklin, O. Usach, Department of Surgery, Medical University, Lviv, Ukraine.

P2-31

Urine Proteomics Identifies Biomarker Candidates for Early Chronic Pancreatitis (CP). D.L. Conwell, J. Muntel, S. Ahmed, M. Bellin, G. Beilman, M. Freeman, V. Kadiyala, S. Suleiman, L.S. Lee, P.A. Banks, H. Steen. Center for Pancreatic Disease, Brigham and Women's Hospital, Department of Pathology, Boston Children's Hospital; Harvard Medical School, Boston, MA; Department of Pediatrics, Department of Surgery, Department of Gastroenterology, Hepatology and Nutrition, University of Minnesota, Minneapolis, MN.

P2-32

Fatty Acid Ethyl Ester Synthase Inhibition Ameliorates Ethanol-Induced Ca²⁺-Dependent Mitochondrial Dysfunction and Acute Pancreatitis. W. Huang, D.M. Booth, M.C. Cane, M. Chvanov, M.A. Javed, V.L. Elliot, H.Dingsdale, N. Cash, Y. Li, W. Greenhalf, R. Mukherjee, O.H. Petersen, M. Jaffar, B.S. Kaphalia, A.V.Tepikin, R. Sutton, D.N. Criddle. NIHR Liverpool Pancreas Biomedical Research Unit, RLUH; Department of Cellular and Molecular Physiology, University of Liverpool; University of Cardiff; Morvus Technology Limited, UK; University of Texas, USA.

P2-33

Correlation of Current Fecal Elastase-1 (FE-1) Threshold Values to Pancreatic Secretory Function. V. Kadiyala, S.J. Burton, S.L. Suleiman, L.S. Lee, P.A. Banks, D.L. Conwell. Center for Pancreatic Disease, Brigham and Women's Hospital, Harvard Medical School, Boston MA.

P2-34

Mitochondrial Membrane Potential Loss in Pancreatic Acinar Cells in Response to Pathological Insult is not Affected by Absence of Trypsin Activation. R. Dawra, SK Garg, U Barlass, V Dudeja, A Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis MN.

P2-35

The Safety, Tolerability, and Analgesic Efficacy of Δ9-THC (Namisol®) in Chronic Pancreatitis Patients Suffering from Persistent Abdominal Pain. M. de Vries, O.H.G. Wilder-Smith, and H. van Goor from the Dept of Surgery and Dept of Anesthesiology, Pain and Palliative care, Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands.

P2-36

Effects of Chai-Qin-Cheng-Qi Decoction on Gene Expression Profiles in Cerulein-Induced Acute Pancreatitis. L.H.Deng, X.Y.Zhang, Z.Q.Lin, F.J.Yong, W.Huang, R.Sutton, Q.Xia. Sichuan Provincial Pancreatitis Centre, Dept of Integrated Traditional Chinese and Western Medicine, West China Hospital, Sichuan University, Chengdu, China; NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK.

P2-37

Trends in Pancreatic Surgery: Indications, Operative Techniques and Postoperative Outcomes of 1120 Pancreatic Resections. U.A. Wittel, F. Makowiec, T. Keck, U. Adam, H. Riediger, U. Wellner, U. T. Hopt. Department of Surgery, University of Freiburg, Freiburg, Germany.

P2-38

Role of Tobacco in Pancreatic Fibrogenesis: an In-vitro Study in Early and Primary Culture of Pancreatic Stellate Cells. M. Castiñeira-Alvaríño, M. Luaces-Regueira, J.E. Dominguez-Muñoz. Foundation for Research in Digestive Diseases, Santiago de Compostela, Spain, University Hospital of Santiago, Department of Gastroenterology and Hepatology, University Hospital of Santiago de Compostela, Spain.

P2-39

A Rapid Computer-Based Automated Algorithm for Assessing Acinar Dropout After Experimental Pancreatitis. J.F. Eisses, A. Davis, A.B. Tosun, Z.R. Dionise, C. Cheng, J. Guo, J.A. Ozolek, G.K. Rohde and S.Z. Husain. Pediatrics and Pathology, University of Pittsburgh, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA; Biomedical Engineering, Center for Bioimage Informatics, Carnegie Mellon University, Pittsburgh, PA.

P2-40

Predictors of Increased Abdominal CT Scanning in Patients with Acute Interstitial Pancreatitis (AIP). M. Faghiih, E. Afghani, A. Sinha, V.S. Akshintala, A. Zaheer, M.A. Khashab, A.M. Lennon, A.N. Kalloo, V.K. Singh. Division of Gastroenterology, Dept of Radiology, Johns Hopkins Hospital, Baltimore, MD.

P2-41

Role of Intra-Acinar Trypsin Activation in Pancreatic Injury and Inflammation in Bile acid Induced Mouse Model of Acute Pancreatitis. SK Garg, U Barlass, J Ouchveridze, Z Yuan, R Dawra and A Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis MN.

P2-42

Clinical and Radiological Follow-Up of Patient with Chronic Asymptomatic Pancreatic Hyperenzymemia. A.Granato, A. Amodio, N. De Pretis, G. De Marchi, T. Tumelero, E. Goni, A. Gabbrielli, L. Benini and L. Frulioni. Department of Medicine, Institute of Pancreas, University of Verona, Verona, Italy.

P2-43

Systemic Inflammatory Response Syndrome (SIRS) at Time of Presentation is Associated with Prolonged Hospitalization in Pediatric Acute Pancreatitis (AP). AS Grover, V Kadiyala, PA Banks, RJ Grand, JR Lightdale, DL Conwell. Division of Gastroenterology and Nutrition, Boston Childrens Hospital; Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women's Hospital Harvard Medical School, Boston, MA.

P2-44

Evolution of Pancreatico-Duodenectomy: Experience of 2055 Consecutive Resections. T Hackert, U Hinz, W Hartwig, O Strobel, M Hassenpflug, J Werner, MW Büchler. Dept. of Surgery, University of Heidelberg, Germany.

P2-45

Regulation of Gremlin and Apelin Levels by Ethanol via a PTHrP-Dependent Pathway in Pancreatic Acinar Cells. V. Bhatia, Y. Cao, T.C. Ko, G.H. Greeley, Jr. M. Falzon. UTMB, Galveston, TX; Dept. of Surgery, UTHSC, Houston, TX.

P2-46

Interaction of BMP, Apelin and PTHrP Pathways in Pancreatic Duct Ligation-Induced Chronic Pancreatitis. Y. Cao, C. Rastellini, S. Han, V. Bhatia, M. Falzon, G. Greeley, Jr and T.C. Ko. Dept. of Surgery, UTHSC-Houston; UTMB at Galveston, TX.

P2-47

Does Intra-Tumoral Inflammation Predict Survival Following Pancreatic Cancer Resection? P Hart, T Smyrk, W Bamlet, S Chari. Division of Gastroenterology & Hepatology, Department of Pathology, Health Sciences Research, Mayo Clinic Rochester, MN.

P2-48

A High Fat, High Calorie Diet Leads to Inflammation of the Pancreas and Adipose Tissue in the Krasg12d Mouse Model. K.M. Hertzler, A. Moro, D.W. Dawson, O.J. Hines, G. Eibl. Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA.

P2-49

Follistatin-like 1 Regulates Epithelial to Mesenchymal Transition in Pancreatic Cancer. K. Horioka, K. Ohuchida, D. Eguchi, K. Fujiwara, S. Akagawa, T. Tanaka, M. Sada, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P2-50

L-Histidine- but not L-Arginine-Induced Acute Pancreatitis Involves Cyclophilin D-Dependent Opening of Mitochondrial Permeability Transition Pore. W.Huang, M.Chvanov, L.Wen. M.A. Javed, T.Jin, A.V. Tepikin, D.N. Criddle, R.Sutton. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Department of Molecular and Cellular Physiology, University of Liverpool, UK; Sichuan Provincial Pancreatitis Centre, West China Hospital, Sichuan University, China.

P2-51

Innumerable Pancreatic Cystic Lesions in a Patient with Lynch Syndrome. T. Kachaamy, R. Pannala, D. Faigel. Department of Gastroenterology, Mayo Clinic Arizona.

P2-52

NIS-Mediated Radioiodine Therapy and Imaging for Pancreatic Cancer. J. Davydova, M. Trujillo, M. Oneal, Y. Miura, J. Han, J. Morris, M. Yamamoto. Department of Surgery, University of Minnesota, Minneapolis, MN; Division of Endocrinology, Mayo Clinic, Rochester, MN.

P2-53

A Case of Simple Inflammatory Cyst in the Pancreas: it Does Exist. K. Kamei, M. Matsumoto, T. Murase, M. Araki, Y. Nakata, H. Ishikawa, T. Nakai, T. Chikugo and Y. Takeyama. Department of Surgery and Department of Pathology Kinki University Faculty of Medicine, Osaka, Japan.

P2-54

Significance of BRCA Mutation Among Patient with Pancreatic Cancer. A.A. Kashintsev, N.Y. Kokhanenko, E.N. Imyanitov, V.M. Moiseenko, A.G. Ilevleva, N.M.Volkov, E.N. Suspitsin. Department of Faculty Surgery, Department of genetics, Pediatric Medical University, LDC MIBS, Saint-Petersburg, Russia.

P2-55

Alcohol-induced Experimental Pancreatitis: Role of Protein Kinase D. J. Yuan, Y. Liu, T. Tan, L. Li, S.J. Pandol. Veterans Affairs Greater Los Angeles Healthcare System, and Cedars-Sinai Medical Center, Los Angeles, CA.

P2-56

β III-Tubulin is a Novel Therapeutic Target for the Treatment of Pancreatic Cancer. G Sharbeen, J Liu, J McCarroll, J Youkhana, J Teo, N McCarthy, D Goldstein, M Kavallaris, P.A. Phillips. Equal authors. Pancreatic Cancer Translational Research Group, Lowy Cancer Research Centre, University of New South Wales (UNSW), Sydney, Australia; Children's Cancer Institute Australia, Lowy Cancer Research Centre, UNSW.

P2-57

Collection Morphology As A Predictor Of Failed Endoscopic Necrosectomy For Walled-Off Pancreatic Necrosis. N Kumar, D Conwell, CC Thompson. Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

P2-58

Mucin Regulation by Tumor Microenvironment: Impact on Pancreatic Cancer. S. Kumar, S. Joshi, S. Rachagani, S. Chuge, and S K Batra. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE.

P2-59

Clinicopathologic Features of Surgically Resected Pancreatic Serous Cystadenoma (SCA). LS Lee, J McNabb-Baltar, SJ Burton, V Kadiyala, SL Suleiman, PA Banks, DL Conwell. Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy; Interdisciplinary Management of Pancreatic Cystic Tumors (IMPACT) Clinic, Fish Center for Women's Health; Brigham and Women's Hospital, Harvard Medical School, Boston MA.

P2-60

Hyperglycemia and Hyperinsulinemia Promote Pancreatic Stellate Cells Activation and Galectin-3 Expression: Potential Role in Pancreatic Cancer Development. L.Li, R.T.Waldron, A.Lugea, S.J.Pandol. VA Greater Los Angeles Healthcare System, University of California, Los Angeles, USA; Cedars-Sinai Medical Center, Los Angeles, USA; Department of Endocrinology, Zhongda Hospital of Southeast University, Nanjing, China.

P2-61

The Harmless Acute Pancreatitis Score in Clinical Use. O. Lindström, H. Hartman, T. Sippola, J. Kupcinskis, S. Regner, C.D. Johnson. Department of Surgery; Helsinki University Central Hospital, Helsinki, Finland; Skåne University Hospital, Malmö, Sweden; Tampere University Hospital, Tampere, Finland; Seinäjoki Central Hospital, Seinäjoki, Finland; Department of Gastroenterology, Kaunas University Hospital, Kaunas, Lithuania; Department of Surgery, University Hospital, Southampton, UK.

P2-62

BET Proteins are Key Mediators of Tumor Cell Growth and the Microenvironment in Pancreatic Cancer. A.S. Liss, S. Nahar, J. Mertz, B. Bryant, R. Sims III, C. Fernández-del Castillo, K. Lillemo, A.L. Warshaw, S.P. Thayer. Dept of Surgery and the Warshaw Institute, MGH and Harvard Medical School, Boston, MA; Constellation Pharmaceuticals, Cambridge, MA.

P2-63

MiR-203 Inhibits Tumor Cell Migration and Invasion by Caveolin-1 in Pancreatic Cancer Cells. H Lu, S He, J Zhao, Y Su, Y Liu, Z Zhang. Hepato-Bilio-Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, Sichuan Province, P. R. China; Key Laboratory of Transplant Engineering and Immunology, Ministry of Health, West China Hospital, Sichuan University, Chengdu, Sichuan Province, P. R. China; R & D Department, Sichuan ENWEI Pharmacy, CO. LTD. Chengdu, Sichuan Province, P. R. China.

P2-64

Effects of Ethanol and Experimental Alcoholic Pancreatitis on Autophagy. GE Lee, J Ni, CT Holland, SW French, AS Gukovskaya, I Gukovsky, OA Mareninova. VAGLAHS; University of California Los Angeles; Southern California Research Center for ALPD and Cirrhosis, Los Angeles, CA.

P2-65

Mechanisms of Action that Define Opposing Effects of Omega-3 & 6 Fatty Acids in Pancreatic Neoplasia. WET Mascarinas, LJ Zhu, R Chiu, DR Principe, K Adrian, PJ Grippo. Northwestern University Feinberg School of Medicine, Chicago, IL.

P2-66

Maintaining Apically Directed Endosomal Trafficking Restores sXBP-1 and Mist1 Transcriptional Control of Differentiation in Culture. SW Messenger, EK Jones, DDH Thomas, GE Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI.

P2-67

Risk Factors of Postoperative Cholangitis and Biliary Strictures of Pancreaticoduodenectomy. A. Miki, Y. Sakuma, H. Sasanuma, Y. Kaneda, N. Sata, Y. Yasuda. Department of Surgery, Jichi Medical University, Tochigi, Japan.

P2-68

The Conundrum of Groove Pancreatitis. E. Morandi, L. Turati, M. Castoldi, D.A. Merlini. Department of General Surgery, Rho Hospital, Rho (MI), Italy.

P2-69

Can Antisense Oligonucleotides Specific to K-Ras Gene Inhibit the Tumor Growth, Invasion and MMP-2 And MMP-9 Expression in Hamster Pancreatic Cancer Model in Vitro and in Vivo? C.Y.Morioka, J.P.Otoch, S.Saito, M.C.C.Machado, A.Watanabe,C.C.Huang. Morioka's Center for Integrative Care; Advantage Health; São Paulo, Brasil; Depart of Surgery, University of São Paulo, São Paulo, Brazil; 3rd Depart of Internal Medicine, Toyama University, Toyama, Japan.

P2-70

First Jejunal Vein-Oriented Mesenteric Excision and Reduction of Intraoperative Bleeding during Pancreatoduodenectomy. M Nakamura, T Abe, H Nakashima. Department of Digestive Surgery, Kawasaki Medical School, Kurashiki, Japan.

P2-71

Initial Blood Urea Nitrogen as an Independent Predictor of Inpatient Morbidity in Acute Pancreatitis: A Retrospective Observational Study in Minority Populations. S.K. Nayudu, H. Chelimilla, J. Makker, A. Sinha, H. Hashmi, C. Chandrala, A. Sendilnathan, K. Kumbum, S. Chilimuri. Division of Gastroenterology, Department of Medicine, Bronx Lebanon Hospital Center, Albert Einstein College of Medicine of Yeshiva University, Bronx, New York, USA.

P2-72

Is the Association of the P.N34S SPINK1 Variant Explicable by a High Risk Haplotype Rather Than the Polymorphism? JA Nicholson, J Grant, M Johnstone, S Harrison, C M Halloran, M G T Raraty, P Ghaneh, R Sutton, R Choudouri, JP Neoptolemos, R Mountford, W Greenhalf. NIHR Pancreas Biomedical research Unit, Royal Liverpool University Hospital, Liverpool, UK; Regional Molecular Genetics Unit, Liverpool Women's Hospital, Liverpool, UK; Department of Bioinformatics, University of Liverpool, Liverpool, UK.

P2-73

Sulforaphane Inhibits Pancreatic Cancer Stem Cell Characteristics and Tumor Growth by Modulating Sonic Hedgehog-Gli Pathway. S.H. Li, J. Fu, D.N. Watkins, R.K. Srivastava, S. Shankar. Department of Pathology and Laboratory Medicine, The University of Kansas Cancer Center, The University of Kansas Medical Center, Kansas City, KS, USA. Department of Pharmacology, Toxicology and Therapeutics, and Medicine, The University of Kansas Cancer Center, The University of Kansas Medical Center, Kansas City, KS, USA. Kansas City VA Medical Center, Kansas City, MO, USA.

P2-74

Intraoperative Irrigation Cytology to Detect Unexpected Significant Lesion of the Remnant Pancreas in Patients with Intraductal Papillary Mucinous Neoplasm Undergoing Partial Pancreatectomy. T. Ohtsuka, Y. Mori, K. Tamura, N. Ideno, T. Aso, J. Ueda, S. Takahata, Y. Oda, K. Mizumoto, M. Tanaka. Departments of Surgery and Oncology and Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P2-75

Alcohol Metabolizing Enzyme Gene Polymorphisms in Alcoholic Chronic Pancreatitis from India. P. Ola Rajendra, R. Satyavati, K. Bhasin Deepak, S. Rana Surinder. Department of Super Specialty of Gastroenterology. Postgraduate Institute of Medical Education and Research. Chandigarh-160012, India.

P2-76

High-throughput Next Generation RNA Sequencing of Pancreatic Cancer Transcriptome Identifies Novel ncRNA Biomarkers that Uniquely Associates with the Disease. L. Orlichenko, R. Brand, A.E. Lokshin. Department of Medicine, University of Pittsburgh Cancer Institute, Hillman Cancer Center, Pittsburgh, Pennsylvania, USA.

P2-77

Serum CRP on the Second Postoperative Day Predicts Clinically Significant Infective Complications after Pancreaticoduodenectomy. L.K. Palani Velu, V.V. Chandrabalan, C.J. McKay, C.R. Carter, N.B. Jamieson, D.C. McMillan, E.J. Dickson. West of Scotland Pancreatic Unit, Glasgow Royal Infirmary, UK; Academic Department of Surgery, University of Glasgow, UK.

P2-78

Novel Role of Pancreatic Differentiation 2 (PD2/Paf1) in Acinar to Ductal Metaplasia for Pancreatic Cancer. P. Dey, M.P. Ponnusamy, S. Rachagan, A. Vaz, S.K. Batra. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, Nebraska, USA.

P2-79

Antimicrobial Peptide Defensin Alpha 1 Promotes Inflammatory-Driven Malignant Transformation in the Pancreas. T. Pausch, S. Schneider, K. Felix, N. Giese, M.W. Büchler, J. Werner, W. Hartwig. Department of General-, Visceral- and Transplantation-Surgery, University of Heidelberg, Germany.

P2-80

Gpbar1 Expressing Non-Bone Marrow Derived Cells Regulate the Severity Of Mouse Biliary-Induced Acute Pancreatitis. G. Perides, J. Louhimo, M. Field, M.L. Steer. Dept. of Surgery, Tufts Medical Center, Boston, MA.

P2-81

Epigenetic Reprogramming Promotes a Differential Response to Experimentally-Induced Pancreatitis in Mice. C. Pin, G. Varga, S. Mohanty, S. Laling, A. Kharitononkov, R. Mehmood. Departments of Paediatrics, Physiology and Pharmacology, and Oncology, University of Western Ontario, Children's Health Research Institute, London, Ontario, Canada; Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, Indiana, USA.

P2-82

Activating Transcription Factor 3 is a Key Regulator of Acinar Cell Transcription During Pancreatitis. C Pin, W MacDonald, R Mehmood, C Johnson, S Laing, P Swan, S Cregan, E Fazio. Departments of Paediatrics, Physiology and Pharmacology, Oncology, and Biochemistry, University of Western Ontario, Children's Health Research Institute, Robart's Research Institute, London, Ontario, CANADA.

P2-83

Do Larger Periprocedural Fluid Volumes Reduce the Severity of Post-ER-CP Pancreatitis? M.J. DiMagno, E.J. Wamsteker, J.K. Rai, M.A. Rivera, J.P. Spaete, D.D. Ballard, J.B. Elmunzer, S.D. Saini. Department of Internal Medicine, Division of Gastroenterology and Hepatology, University of Michigan School of Medicine, Ann Arbor, MI; Center for Clinical Management Research, Health Services Research & Development, Ann Arbor VA Medical Center, Ann Arbor, MI

P2-84

Clinical Significance of Stromal CD90 and Alpha-SMA Expression in Pancreatic Cancer. M.Sada, K.Ohuchida, K.Fujiwara, K.Horioka, T.Tanaka, B.Zheng, AI.Cases, S.Akagawa, K.Shindo, T.Ohtsuka, S.Takahata, Y.Oda, K.Mizumoto, M.Tanaka. Department of Surgery and Oncology, and Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P2-85

Racial Disparities in the Treatment and Survival of Resectable Pancreatic Cancer can be Reduced. Z. Nwe, N. Anand, BU. Wu; Center for Pancreatic Care, Southern California Permanente Group, Department of Gastroenterology, Kaiser Permanente, Los Angeles, CA.

P2-86

Endoscopic Necrosectomy of Pancreatic Necrosis: Single Center Experience (Update). J. Kheder, W. Wassef. Department of Internal Medicine, Division of Digestive Disease, University of Massachusetts Medical School, UMass Memorial Medical Center, Worcester, MA.

P2-87

Pathological Wall Thickness of Intraductal Papillary Mucinous Neoplasm of the Pancreas is a Predictor of Malignancy, and Stromal Podoplanin Expression is a Poor Prognostic Indicator. K. Shindo, S. Aishima, M. Tanaka, Y. Oda. Departments of Anatomic Pathology; Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P2-88

Neutrophil Extracellular Chromatic Traps (NETs) may be Activated in Pancreatic Duct Fluid of Patients with the Worst Prognosis. K. T. Chen, P.D. Kim, K.A. Jones, B.B. Patel, J.P. Hoffman, H. Ehya, K. Devarajan, J.C. Watson, J.L. Tokar, A.T. Yeung. Fox Chase Cancer Center, Philadelphia, PA.

P2-89

Strategy for the High-throughput Analysis of Urine for the Identification of Chronic Pancreatitis Biomarkers. S. Ahmed, J. Muntel, S. Berger, M. Bellin, V. Kadiyala, S. Suleiman, L.S. Lee, P.A. Banks, D.L. Conwell, H. Steen. Department of Pathology, Boston Children's Hospital and Harvard Medical School, Boston, MA; Department of Pediatrics, University of Minnesota, Minneapolis, MN; Center for Pancreatic Disease, Brigham and Women's Hospital and Harvard Medical School, Boston, MA.

P2-90

Regulation of Angiogenic Factors by DCLK1 in Pancreatic Cancer. SM Sureban, R May, N Weygant, D Qu, CW Houchen. Department of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK; Veterans Affairs Medical Center, Oklahoma City, OK.

P2-91

Chronic Pancreatitis Associated with Congenital Pancreatic Abnormalities. Y. Takeyama, Y. Nakata, H. Ishikawa, K. Kamei, M. Araki, M. Matsumoto, T. Nakai, Department of Surgery, Kinki University Faculty of Medicine, Osaka-sayama, Osaka, Japan.

P2-92

Is Pancreatic Necrosis with Gas and Absolute Indication for Surgery? L Barreda, J Targarona, J Portugal, DM Arias, M Reynel. Department of Pancreatic Surgery - Hospital Edgardo Rebagliati Martins; Department of Critical care medicine - Hospital Edgardo Rebagliati Martins; Department of Radiology - Hospital Edgardo Rebagliati Martins.

P2-93

CA19-9 is a Significant Prognostic Factor Following Pancreatoduodenectomy for Intra-Pancreatic Bile Duct Cancer (Cholangiocarcinoma). J. Melling, A. Thomas, P. Sykes, O. Jones, R. Jackson, P. Whelan, F. Campbell, M. Raraty, C. Halloran, R. Sutton, J. Neoptolemos, P. Ghaneh. NIHR Liverpool Pancreas Biomedical Research Unit, University of Liverpool, Liverpool, UK.

P2-94

Circulating Tumor Cells (CTC) as an Early Biomarker of Treatment Response in Pancreatic Ductal Adenocarcinoma (PDAC). C. Tignanelli, R. Torphy, R. Moffitt, J. Kamande, S.A. Soper, J.J. Yeh. Department of Surgery, UNC, Chapel Hill, NC; School of Medicine, UNC, Chapel Hill, NC; Lineberger Comprehensive Cancer Center, UNC, Chapel Hill, NC; Department of Chemistry LSU, Baton Rouge, LA; Department of Chemistry, UNC, Chapel Hill, NC; Department of Biomedical Engineering, UNC-NC-SU, Chapel Hill, NC; Department of Pharmacology, UNC, Chapel Hill, NC.

P2-95

Role of Pancreatic Duct (PD) Stenting for "Smoldering" Pancreatitis. G Trikudanathan, S Gupta, R Attam, M Arain, M Freeman. Division of Gastroenterology, University of Minnesota.

P2-96

Differential Plasma Metabolites in Pancreatic Cancer–Associated Diabetes. S. Urayama, V. Tolstikov. Department of Internal Medicine/Gastroenterology; Genome Center, University of California, Davis, Sacramento, CA, U.S.A.

P2-97

Abdominal Compartment Syndrome in Acute Pancreatitis: a Systematic Review. S van Brunschot, AJ Schut, SA Bouwense, MG Besselink, OJ Bakker, H van Goor, HS Hofker, MA Boermeester, HG Gooszen, HC van Santvoort for the Dutch Pancreatitis Study Group.

P2-98

Development of Pancreatitis in MMP13 Deficient Mice. A. Mendonsa, L. Gorden, M.N. VanSaun. Department of Surgery, Vanderbilt University, Nashville, TN; Department of Cancer Biology, Vanderbilt University, Nashville, TN.

P2-99

Interlude of cGMP and cGMP/protein Kinase G type I in Pancreatic Adenocarcinoma Cells. A. V. Bazhin, S. Karakhanova, J. Werner. Department of General Surgery, University Hospital Heidelberg, Germany.

P2-100

Impact of Preoperative Diabetes on Long-Term Survival After Curative Resection of Pancreatic Adenocarcinoma – a Systematic Review and Meta-Analysis. U. Walter, T. Kohlert, J. Weitz, T. Welsch. Department of Visceral, Thoracic and Vascular Surgery, University Hospital Carl Gustav Carus, Technical University of Dresden, Germany.

P2-101

IFN- α Promotes Pancreatitis-Associated Lung Injury in Murine Acute Pancreatitis. L.Wen, W.Huang, T.Jin, Q.Xia, D.N.Criddle, R.Sutton. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Sichuan Provincial Pancreatitis Centre, Western China Hospital, Sichuan University, Chengdu, China, Department of Cellular and Molecular Physiology, University of Liverpool, UK.

END OF PROGRAM

