46th Annual Meeting

November 4-7, 2015  San Diego, California
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 —

PLATINUM SUPPORTERS
Abbvie
Celgene
ChiRhoClin

GOLD SUPPORTERS
Hirshberg Foundation for Pancreatic Cancer Research
Kenner Family Research Fund

SILVER SUPPORTERS
Aduro Biotech
Astra Zeneca
Cook Endoscopy
Halozyme Therapeutics
Vay Liang W. Go, Pancreas Journal

BRONZE SUPPORTERS
Digestive Care
Merrimack
National Pancreas Foundation
Threshold Pharmaceuticals

The American Pancreatic Association would like to thank the following companies for providing marketing and exhibit support —

Abbvie
Boston Scientific
Celgene
ChiRhoClin
Cook Endoscopy
Digestive Care
Foundation Medicine
Fisher Scientific

Please visit our exhibitors’ booths in the Commodore Ballroom Foyer

Image on cover courtesy of SanDiego.org
GOVERNING BOARD

Anirban Maitra, MBBS, President
Ashok Saluja, PhD, Secretary-Treasurer
Carlos Fernandez-del Castillo, MD, President-Elect
Stephen Pandol, MD, Past President
Miklos Sahin-Toth, PhD, Councilor
Darwin Conwell, MD, Councilor
Margaret Tempero, MD, Councilor

APA CONTACT INFORMATION

Ashok K. Saluja, PhD
APA Secretary-Treasurer
Professor & Vice Chair, Surgery
University of Minnesota

PO Box 14906
Minneapolis, MN 55414

T | 612-626-9797
F | 612-625-7700
E | apa@umn.edu

www.american-pancreatic-association.org
**WELCOME!**

On behalf of the rest of the board, I am so pleased you have joined us for our 46th Annual Meeting. I remember first attending an APA annual meeting as a junior faculty, and being overwhelmed by the warmth accorded to me as a relative newcomer. In the dozens upon dozens of national meetings I have attended over the last 15 years, I cannot recall a scientific meeting comparable to the APA, where “everybody knows your name” and you are treated with such unsurpassed hospitality. Over the years, as the organization has grown, I have come to recognize its unique vantage point in the universe of pancreatic diseases, serving as a “melting pot” for clinical researchers and basic scientists of all hues.

We have put together what I hope you will find to be an exciting program. We value the opportunity to work together with the entire pancreas community in putting on this meeting. Agi Hirshberg & the Hirshberg Foundation are important champions of the meeting, continuing this year with their support of the opening Hirshberg Symposium. Additionally, we are pleased to continue our partnership with Barbara Kenner & the Kenner Family Research Fund for a Forum on Early Detection Methods, looking at lessons learned in other cancers.

As always, an important part of our mission is making sure we are bringing people together regardless of their discipline, location or stature. We have always felt that meals and events are important places for these less formal meetings and scientific discussions to take place, which is why we are so appreciative of our supporters who allow us to keep the registration reasonable despite the social events. Additionally, more formal networking opportunities have been added this year. We have added “Meet the Expert” breakfast sessions. A special thank you to Anil Rustgi for the suggestion and organizing those sessions.

This year will no doubt be our largest single meeting to date, with over 330 abstracts being presented from 20 different countries. We are thrilled with the continued interest and excitement about this meeting. We are also enormously grateful to all of our symposia organizers and invited speakers, truly a who’s who in the field of pancreatology. I would also like to thank the APA Board and in particular, Ashok Saluja. Thank you for joining us for what will undoubtedly be an superb meeting!

Anirban Maitra, MBBS
Sheikh Ahmed Pancreatic Cancer Research Center
UT MD Anderson Cancer Center
Houston, Texas
WEDNESDAY, NOVEMBER 4
7:00 a.m. - 8:00 a.m. Breakfast
8:00 a.m. - 1:00 p.m. Pre-Meeting - Application of Molecular Diagnostics to Pancreatic Cancer
1:00 p.m. - 2:00 p.m. Lunch
2:00 p.m. - 4:30 p.m. Pre-Meeting - Early Detection: Lessons Learned from Other Cancers
5:30 p.m. - 7:00 p.m. Hirshberg Opening Symposium: Immunobiology of Pancreatic Cancer
7:00 p.m. - 9:00 p.m. Presidential Reception

THURSDAY, NOVEMBER 5
7:00 a.m. - 8:30 a.m. Breakfast & Poster Viewing
8:30 a.m. - 10:00 a.m. Abstract Session: Pancreatic Cancer
10:15 a.m. - 11:30 a.m. Mini Symposium: Chronic Pancreatitis to Pancreatic Cancer
11:30 a.m. - 12:00 p.m. Frank Brooks State of the Art Lecture
12:00 p.m. - 2:00 p.m. Lunch & Poster Session
2:00 p.m. - 3:20 p.m. Abstract Session: Pancreatitis
3:20 p.m. - 4:30 p.m. Mini Symposium: Basic & Translational Research on Tobacco and Pancreatic Diseases
4:45 p.m. - 6:00 p.m. Mini Symposium: Young Investigator Symposium - PanCAN: Pathway to Leadership Awardees
7:00 p.m. - 10:00 p.m. Reception & Awards Dinner

FRIDAY, NOVEMBER 6
7:00 a.m. - 8:30 a.m. Breakfast & Poster Viewing
8:30 a.m. - 10:00 a.m. Abstract Session: Pancreatitis
10:15 a.m. - 11:30 a.m. Mini Symposium: Obesity, Metabolism, and Pancreatic Diseases
11:30 a.m. - 12:00 p.m. Paul Webster Clinical State of the Art
12:00 p.m. - 2:00 p.m. Lunch & Poster Session
2:00 p.m. - 2:30 p.m. Business Meeting
2:30 p.m. - 3:45 p.m. Mini Symposium: Multimodality Management of Pancreatic Cancer
4:00 p.m. - 5:15 p.m. Parallel Sessions: Clinical Controversy: Management of Branch Duct IPMNs & Basic Science Controversy: Does Alcohol Cause Pancreatitis?
5:15 p.m. - 6:30 p.m. Parallel Sessions: Clinical Science Abstracts & Basic Science Abstracts
7:00 p.m.

SATURDAY, NOVEMBER 7
7:00 a.m. - 8:30 a.m. Breakfast
8:30 a.m. - 10:20 a.m. Abstract Session: Pancreatic Cancer
10:35 a.m. - 12:00 p.m. Mini Symposium: Management of Recurrent Acute Pancreatitis
12:00 p.m. - 1:30 p.m. Mini Symposium: Biology and Translational Implications of Metastatic Pancreatic Cancer
1:30 p.m. Lunch
ON SITE REGISTRATION HOURS

**Location** | Commodore Foyer
---|---
Wednesday, 11/4 | 7:00 am - 7:00 pm
Thursday, 11/5 | 7:00 am - 6:00 pm
Friday, 11/6 | 7:00 am - 6:30 pm
Saturday, 11/7 | 7:00 am - 1:30 pm

ABSTRACT SELECTION COMMITTEE

The APA Board would like to thank the following for reviewing the over 300 abstracts received:

- Sulagna Banerjee – University of Minnesota
- Howard Crawford – University of Michigan
- Vikas Dudeja – University of Minnesota
- Carlos Fernandez-del Castillo – Harvard/MGH
- Toru Furukawa – Tokyo Women’s Medical University
- Pramod Garg – AIIMS, India
- Guy Groblewski – UW, Madison
- Anna Gukovskaya – UCLA
- Aida Habtezion – Stanford
- Peter Hegyi – University of Szeged, Hungary
- Joe Hines – UCLA
- Karen Horvath – UW Seattle
- Sohail Hussain – Children’s Hospital Pittsburgh
- Myung-Hwan Kim – Asan Medical Center, Korea
- Min Li – Oklahoma University
- Anirban Maitra – MD Anderson
- Atsushi Masamune – Tohoku University
- Julia Mayerle – University of Greifswald, Germany
- Nipun Merchant – University of Miami
- Kazuichi Okazaki – Kansai University
- Marina Pasca di Magliano – University of Michigan
- Nageshwar Reddy – AIG, India
- Miklos Sahin-Toth – Boston University
- Veena Sangwan – McGill, Canada
- Vijay Singh – Mayo Arizona
- Vikesh Singh – Johns Hopkins
- Kyoko Shimizu – Tokyo Women’s Medical University
- Kyoichi Takaori – Kyoto University, Japan
- Masao Tanaka – Kyushu University, Japan
- Margaret Tempero – UCSF
- Aliye Uc – University of Iowa
- Huaizhi Wang – Southwest Hospital, Third Military Medical University, China
- Andrea Wang-Gilliam – Washington University
- Christopher Wolfgang – Johns Hopkins
- Bechien Wu – Kaiser Permanente
- Yianjun Yu – Fudan University, China

SOCIAL EVENTS

PRESIDENTIAL RECEPTION

Wednesday, November 4, 7:00 p.m. - 9:00 p.m.
**Location** | Bay Terrace
The Presidential Reception is held in honor of APA President Anirban Maitra. Catch up with friends and colleagues while taking advantage of the weather and enjoying the ocean view.

AWARDS DINNER & RECEPTION

Thursday, November 5, 7:00 p.m. - 10:00 p.m.
Reception 7:00 p.m. - 8:00 p.m. **Location** | Bay Terrace
Dinner 8:00 p.m. - 10:00 p.m. **Location** | Commodore CDE
During the dinner, awards will be given for the top abstracts in Pancreatitis and Pancreatic Cancer. Additionally, those receiving young investigator travel awards will be acknowledged. The Distinguished Service Award and the Vay Liang & Frisca Go Award for Lifetime Achievement will both be presented.

WOMEN IN PANCREAS RECEPTION & DINNER

Friday, November 6, 7:00 p.m.
Reception **Location** | Bay Terrace, Dinner **Location** | Britannia/Cambria
All women are invited to attend this event. RSVPs are required; please check in with the registration desk if you have not RSVPed. A keynote will be given by Helen Torley, MB, ChB, MRCP, CEO & President of Halozyme Therapeutics
ASSOCIATED MEETINGS

PRE-MEETING – APPLICATION OF MOLECULAR DIAGNOSTICS TO PANCREATIC CANCER
Wednesday, November 4 - 8:00 am - 1:00 pm
Location | Constellation Ballroom

This special meeting is being organized by the APA Leadership to address the burgeoning use of molecular techniques in diagnosis, prognosis and therapeutic stratification in pancreatic cancer and other variant tumors of the pancreas. The meeting format will be comprised of two thematic sessions and two plenary talks, with ample time for panel-based discussions and audience participation.

Highlighting the plenary talks are Dr. Sam Gambhir from Stanford University, who will lecture on innovative early detection strategies for pancreatic cancer, and Dr. Andrew Biankin from the University of Glasgow who will lecture on the most recent advances in identifying molecular phenotypes in pancreatic cancer, work accomplished through the International Cancer Genome Consortium (ICGC). Bookending the two plenary lectures will be sessions of pancreatic cystic lesions and practical issues in application of precision medicine paradigms to pancreatic cancer. Attendees will be able to gain significant new knowledge on how to interface molecular diagnostics and novel technologies into real time clinical decision making. The target audience for this special meeting is fairly broad and includes the entire spectrum of pancreatic researchers from basic scientists to clinicians.

KFRF/APA FORUM - EARLY DETECTION: LESSONS LEARNED FROM OTHER CANCERS
Wednesday, November 4 - 2:00 pm - 4:30 pm
Location | Constellation Ballroom

A Strategic Map for Innovation was formulated as a result of the 2014 Early Detection of Sporadic Pancreatic Cancer Summit Conference. The aggregate results from the efforts detailed in the post-summit white paper are aligned to improve survival for those individuals with pancreatic cancer. The integration of knowledge, partner engagement, and intentionality of discovery are imperative to move the field forward.

The 2015 Forum entitled Early Detection: Lessons Learned from Other Cancers is an important step in the implementation of the Strategic Map for Innovation. Recognizing progress made in other cancers is critical to overcoming barriers in early detection of pancreatic cancer. The Forum provides an opportunity for attendees to gain information from a historical perspective and for leading experts in the areas of breast, prostate, colon, and lung cancer to engage in vital discussions.

Kenner Family Research Fund (a registered 501(c)3 organization) is committed to investing in initiatives to establish an early detection protocol for pancreatic cancer. The fund was formed by family and friends in memory of Peter Kenner.

APA FOUNDATION

The APA Foundation was officially launched two years ago with the purpose of providing education, research, and charitable support to the APA mission and initiatives. Our society continues to provide a forum for communications and support for young investigators to present their outstanding research work in pancreatic diseases. Our society is now celebrating its 46th annual meeting this year. Our foundation has an excellent start in creating an endowment fund. Thank you to the Board of Directors and the APA members whose generosity has contributed to our foundation. The future of our society and its mission is in our own hands. Please send your contributions to the APA Foundation, 1020 Tyrol Trail, Golden Valley, MN 55416.

The Board of Directors, Steve Pandol MD, Ashok Saluja MD, Edward Bradley MD, William Chey MD, Edward D. Purich PhD, Agi Hirshberg, Barbara Kenner PhD, Peter Banks MD, Howard Reber MD, Andrew Warshaw MD, Paul Webster MD, and Vay Liang Go MD, Chair, would like to express our heartfelt gratitude for your support.
YOUNG INVESTIGATOR AWARDS

Junichi Akao  Suprit Gupta  Mila Kovacheva-Slavova  Raghuwansh Sah
Nivedita Arora  Max Heckler  Jian Li  Amanda Salzwedel
Jennifer Behzadi  Audrey Hendley  Weiqin Lu  Veena Sangwan
Anca Botezatu  Wei Huang  Sudarshan Malla  Nikita Sharma
Puneet Chhabra  Brad Jakubison  Nagaraj Nagathihalli  Si Shi
Susanna de Geus  Tao Jin  Akifumi Nakagawa  Guru Trikudanathan
Kali Deans  Shunqian Jin  Lucy Oldfield  Virginia Vanasco
Narendra Dhaka  Kazumichi Kawakubo  Jean Park  Mu Xu
Andrea Geisz  Vanaja Konduri  Melissa Pruski  Jingxuan Yang

DISTINGUISHED SERVICE AWARD
MUSHTAQ A. KHAN, DVM, PHD

Dr. Mushtaq A. Khan is the Scientific Review Officer of the Clinical, Integrative and Molecular Gastroenterology (CIMG) Study Section and former Chief of Digestive, Kidney and Urological Systems (DKUS) Integrated Review Group at the Center for Scientific Review. He was born in Faisalabad, Pakistan and obtained his veterinary degree from the University of Punjab in 1960, master’s degree from Montana State University in 1962, and a Ph.D. in endocrine physiology from Washington State University in 1968. Dr. Khan then returned to Pakistan to teach at the University of Agriculture, Faculty of Veterinary Medicine where he last served as the Chairman of the department of Physiology and Pharmacology. He immigrated to the US in 1972 and was recruited as an assistant professor of Pediatric Research at the University of Maryland Medical School at Baltimore.

In 1978, Dr. Khan took a position at the FDA and served as Head of Perinatal Toxicology unit at the FDA’s Beltsville Research Facility. At the FDA and University of Maryland, Dr. Khan conducted research in the area of Nutritional Toxicology including cholesterol metabolism and atherosclerosis. He developed a computerized automatic feeding system (Autosow) for liquid diets for neonatal miniature swine. In July 1988, he joined the Division of Research Grants (Currently CSR) to take over the General Medicine A-2 Study Section (GMA-2) where he oversaw the extensive metamorphosis and expansion of the field of gastroenterology.

Dr. Khan has mentored many investigators and researchers in gastroenterology in their NIH grant applications and research and has contributed significantly to the progress of our discipline. Dr. Khan is retiring after completing over 38 years of Federal Government service of which 27 years relate to Gastroenterology.
DISTINGUISHED SERVICE AWARD
JOSE SERRANO, MD, PHD

Dr. Jose Serrano is the director of the Pancreas Program in the Division of Digestive Diseases and Nutrition of the NIDDK, National Institutes of Health (NIH). He was born in Callosa de Segura, Alicante, Spain and was raised in Valencia and Barcelona, Spain before coming to the United States in 1985. He graduated from the Universidad Autonoma de Barcelona (UAB), Barcelona, Spain with a PhD in molecular biology and biochemistry, followed by an MD degree from the UAB.

Dr. Serrano came to the NIH in 1985 as a Research Fellow (1985-87) and Research Associate (1987-1990) in the Diabetes Branch of NIDDK. Dr. Serrano completed residency training in internal medicine at the Medstar-Georgetown Hospitals followed by a gastroenterology and hepatology fellowship training through a combined NIH-Georgetown University program in 1998.

Dr. Serrano moved to his current position in the extramural Division of Digestive Diseases and Nutrition (DDDN) in 1998 where he serves as director for the pancreas, liver and GI neuroendocrinology programs. Dr. Serrano has managed one of the most complex research portfolios of the Division, comprising basic biology, translational and clinical research projects in digestive diseases. The program includes a diverse array of large and small grants including multiple multicenter clinical trials.

Dr. Serrano plays a critical role in NIDDK grants administration and guiding applicants through the NIH peer-review system. He provides fiscal and managerial oversight of more than 90 grants within his portfolio. Dr. Serrano has been instrumental in helping both young and established GI investigators navigate the grants review process. He has actively participated in the annual American Pancreatic Association Meeting for many years, often coordinating one-on-one meetings between NIDDK staff and investigators interested in learning about opportunities for NIH support. Furthermore, he has been a regular participant in annual career development mentoring workshops for K awardees and new R01 investigators. He has long been a strong advocate that funding opportunities are available so that young gastroenterologists and PhD scientists can make substantial progress in the field of pancreatology.

Dr. Serrano, working alongside leaders of the scientific community, NIDDK Advisory Council members, DDDN staff, and staff from other Institutes, has championed the NIH efforts to accelerate and expand research in pancreatic diseases. Through his efforts, and those of his collaborators, the NIDDK has recently sponsored individual research workshops on pancreatitis, pancreatic cancer, and diabetes and on total pancreatectomy and auto-islet cell transplantation.

Dr. Serrano has been instrumental in the genesis and development of a new initiative, sponsored jointly by NIDDK and the NCI to create a clinical research group, the Consortium to Study Chronic Pancreatitis, Diabetes and Pancreatic Cancer (CSCPDPDC), which will conduct studies on chronic pancreatitis (CP) and factors that increase the risk of pancreatic cancer in patients (children and adults) with CP, pancreatogenic (type 3c) diabetes (T3cDM) and in patients with newly diagnosed diabetes. This clinical research network with an annual budget of $5.8M was awarded in September 2015.

In addition to his basic biology research, Dr. Serrano has published a number of peer-reviewed studies on the epidemiology and pathophysiology of Zollinger-Ellison Syndrome, the clinical characterization and genetics of Drug Induced Liver Injury and advances in pancreatic research. He is the author of more than 60 scientific publications. He is the recipient of a number of commendations, including the PHS Commendation Medal, the NIH Director’s Award, and the AGA Research Service Award.

In addition to his many scientific administration responsibilities, Dr. Serrano has remained an active clinician by serving as an attending physician in NIH’s Clinical Center, where he is responsible for supervising GI fellows in the NIH fellowship program.

In addition to his many scientific administration responsibilities, Dr. Serrano has remained an active clinician by serving as an attending physician in NIH’s Clinical Center, where he is responsible for supervising GI fellows in the NIH fellowship program.
Stephen Pandol was born in Bakersfield, CA and grew up in the Central Valley of California working on the farm with his sister and brothers. His favorite classes in high school were his different chemistry classes. He was destined to return to the family business and applied to only one college, the University of California, Davis, which is the premier agricultural school in California for studies in agricultural business and sciences. Within a week of arriving at Davis, he changed his major to biochemistry following his love of chemistry he had acquired in high school from his teachers there.

Stephen flourished in his chemistry classes at Davis and wanted to become a researcher of some sort. As his senior year approached and he had to make a decision on his next step, he chose to pursue an MD degree at Saint Louis University. He returned to California to complete his clinical training in internal medicine and gastroenterology at the Wadsworth VA Medical Center and the University of California, Los Angeles (UCLA). He was surrounded by a wonderful and exceptional faculty in gastroenterology and gastrointestinal research. Jon Isenberg and Andrew Soll mentored and supported this passion and introduced him to Jerry Gardner who was the chief of the Digestive Diseases Division at the National Institutes of Health (NIH). Jerry chose him to come to the Bethesda campus at NIH for dedicated research training. Jerry, with the help of Bob Jensen and Denis McCarthy, mentored him and worked on taking his curiosity and science interest to convert him into a functioning and proficient biomedical researcher.

Stephen took his first faculty position at the University of California, San Diego (UCSD). UCSD allowed Stephen to become active in teaching GI physiology, pathophysiology as well as training residents and fellows. Also, his research program accelerated in the environment and he took on administrative roles including Chief of the GI division at the Veterans Hospital. He was even selected to attend Joint Commission School to learn how to prepare hospitals for accreditation. During this time, he developed a very productive collaboration with Shmuel Muallem who was in Los Angeles. They took turns commuting between San Diego and Los Angeles weekly to carry out experiments to investigate calcium signaling pathways in pancreatic acinar cells. The information would ultimately lead to the basis for understanding the role of pathologic calcium signaling in the mechanism of pancreatitis. Also, during this time, an enduring and incredible scientific collaboration and friendship started with Fred Gorelick now spanning 3 decades. The ideas and projects flow when they encounter each other. Several have resulted in important papers and grants. During the time in San Diego he recruited Anna Gukovskaya from the former Soviet Union starting a remarkable and sustained collaboration on several topics in pancreatic disease. They moved to Los Angeles in 1996 and were joined by Anna’s husband, Ilya. The laboratory research group was blessed by several visiting scientists with some staying and becoming faculty members including Aurelia Lugea and Mouad Edderkaoui. Pandol also continued administrative roles as Director of Research at the VA and overseeing preparedness for hospital accreditation. Importantly, he continues to have the opportunity to work with Agi Hirshberg, Bill Go and Howard Reber, starting the Agi Hirshberg Foundation which has provided critical support to direct the enlarging group of pancreatic researchers to expand their efforts to better understand and treat pancreatic cancer. Another strong and continuing collaboration for several years has been with Hide Tsukamoto at USC developing and expanding alcohol research center for studies in alcoholic liver and pancreatic diseases.

Most recently, Pandol was appointed as Director, Basic and Translational Research at Cedars-Sinai Medical Center in Los Angeles. Along with Simon Lo and a multidisciplinary team of clinical and basic scientists at Cedars and talented investigators in medical centers in the greater Los Angeles region they are embarking on a journey with the goal of developing new therapies for pancreatic diseases.

Last year Stephen had the honor of being the President of the APA, an organization he has been involved with for many years; and was fortunate to work with the JPS President Tooru Shimosegawa and APA Secretary-Treasurer Ashok Saluja to put on an incredible international meeting in Hawaii representing the 45th anniversary of both JPS and APA.

Pandol was fortunate to grow up in an environment where his parents and family put no barriers on what is possible and what you can achieve with hard work and integrity. His mother Winnie is to this day able to show her support still resides in Bakersfield. He is blessed with two lovely children, Jennifer and Andrew and now with wife Erin there are two gorgeous grandchildren, Lucy and Oliver. Stephen is married to his loving, caring wife, Marnell, who provides Stephen with comfort and encouragement. She is his support, sounding board and secret weapon.
LEARNING OBJECTIVES

This activity is designed for physicians and researchers.

Upon completion of this course, participants will be able to:

1. Create collaborative opportunities between clinical and basic scientists interested in diseases of the pancreas.
2. Understand the link between chronic pancreatitis to pancreatic cancer including how diabetes affects both diseases.
3. Recognize the current research on the effects of tobacco and alcohol on pancreatic diseases.
4. Discuss the latest research on the immunobiology of pancreatic cancer.
5. Describe how obesity and metabolism affect pancreatic cancer and pancreatitis.
6. Appraise the multi-disciplinary options for managing pancreatic cancer.
7. Compare and contrast the varying options for management of branch duct IPMNs.
8. Discuss the most up to date research on the management of recurrent acute pancreatitis.
10. Extrapolate the next steps in early detection methods research based on successes and failures in other cancers.
11. Explain the advances in molecular diagnostics and its application to pancreatic cystic lesions.
12. Understand the practical issues in precision medicine in pancreatic cancer.

DISCLOSURE INFORMATION

In compliance with the 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.
APPLICATION OF MOLECULAR DIAGNOSTICS
TO PANCREATIC CANCER

APA PRE-MEETING | SAN DIEGO 2015
Wednesday, November 4
Constellation Ballroom

7:00- 8:00 a.m. Breakfast
  Location | Mistral

8:00-9:20 a.m. Pancreatic Cystic Lesions
  Location | Constellation Ballroom
  Chairs | Tooru Shimosogawa and Suresh Chari

  Masao Tanaka, MD Kyushu University Graduate School of Medical Sciences
  The Consensus Criteria

  Aatur D. Singhi, MD, PhD University of Pittsburgh Medical Center
  Molecular Diagnostics in Pancreatic Cystic Neoplasia - Is It Ready for Prime Time?

  Anne Marie Lennon, MB, PhD Johns Hopkins Medical Institutions
  Incorporating Molecular Diagnostics into Cyst Management - Real Life Examples

  Carlos Fernandez-del Castillo, MD Massachusetts General Hospital
  When Do I Anticipate Needing Molecular Diagnostics Support for Cyst Management?
  A Surgeon’s Perspective

9:20–9:50 a.m. Panel Discussion

9:50-10:10 a.m. Break
  Location | Constellation Foyer

10:10-10:50 a.m. Plenary Talk 1
  Location | Constellation Foyer

  Sanjiv Sam Gambhir, MD, PhD Stanford University School of Medicine
  New Strategies for the Early Detection of Cancer

10:50-11:30 a.m. Plenary Talk 2
  Location | Constellation Foyer

  Andrew Biankin, MD, PhD University of Glasgow
  What Have We Learned About Clinical Actionability in Pancreatic Cancer?

11:30-11:45 a.m. Break
  Location | Constellation Foyer

11:45-1:00 p.m. Practical Issues in Precision Medicine for Pancreatic Cancer
  Location | Constellation Ballroom
  Chairs | Kyoichi Takaori and Nipun Merchant
**Kyoichi Takaori, MD, PhD** Kyoto University  
*Molecular Diagnosis in Pancreatic Cancer: Perspectives from Japanese Familial Pancreatic Cancer*

**Anirban Maitra, MBBS** UT MD Anderson Cancer Center  
*Liquid Biopsies in Pancreatic Cancer Diagnosis*

**Keren Paz, PhD** (Champions Oncology)  
*Developing PDX Models of Pancreatic Cancer for Precision Medicine*

12:45–1:00 p.m.  
**Panel Discussion**

1:00-2:00 p.m.  
**Lunch**  
*Location | Pool/Marina Terrace*

### EARLY DETECTION: LESSONS LEARNED FROM OTHER CANCERS

**PRESENTED BY KENNER FAMILY RESEARCH FUND IN PARTNERSHIP WITH THE AMERICAN PANCREATIC ASSOCIATION**

2:00-4:30 pm  
*Constellation Ballroom*

2:00-2:10 p.m.  
**Early Detection of Sporadic Pancreatic Cancer: Strategic Map for Innovation**  
Vay Liang W Go, MD & Barbara Kenner, PhD

2:10-2:15 p.m.  
**Introduction of Presenters**  
Barbara Kenner, PhD

2:15-2:40 p.m.  
**Significant Accomplishments in Breast Cancer**  
Seema Khan, MD Northwestern University

2:40-3:05 p.m.  
**Significant Accomplishments in Prostate Cancer**  
Daniel Lin, MD University of Washington

3:05-3:10 p.m.  
**Break**  
*Location | Constellation Ballroom*

3:10-3:35 p.m.  
**Significant Accomplishments in Colon and Lung Cancers**  
Graham Lidgard, PhD Exact Sciences

3:35-4:20 p.m.  
**Open Conversation**  
Khan, Lin, Lidgard, Audience

4:20-4:30 p.m.  
**Summary**  
Vay Liang W Go, MD & Suresh T Chari, MD
THE AMERICAN PANCREATIC ASSOCIATION’S
46th Annual Meeting

WEDNESDAY, NOVEMBER 4

5:30-7:00 p.m. Hirshberg Opening Symposium: Immunobiology of Pancreatic Cancer
Location | Commodore Ballroom CDE
Moderators | Anirban Maitra & Ashok Saluja

Gregory Beatty, MD, PhD University of Pennsylvania Perelman School of Medicine
Unraveling Immune Escape Mechanisms in Pancreatic Carcinoma

Lisa M. Coussens, PhD Knight Cancer Institute, Oregon Health and Science University
Immune Cells as Targets for Therapy in Pancreas Cancer

Michael Karin, PhD University of California, San Diego
Autophagy in Pancreatitis and Pancreatic Cancer: The Good, the Bad and the Ugly

7:00-9:00 p.m. Presidential Reception
Location | Bay Terrace

THURSDAY, NOVEMBER 5

7:00-8:30 a.m. Breakfast & Poster Viewing

Breakfast
Location | Pool/Marina Terrace

Meet the Experts Round Tables
Pramod Garg, MD Diagnostics and therapeutics in pancreatitis
Fred Gorelick, MD Animal Models of pancreatitis
Matthias Hebrok, PhD Mouse models of pancreatic cancer
Andy Rhim, MD Circulating tumor cells and other biomarkers for early diagnosis of pancreatic cancer
Gregory Beatty, MD PhD Immunotherapy of pancreatic cancer

Poster Viewing
Location | Commodore Ballroom AB & Commodore Foyer
**Radical Surgery of Pancreatic Cancer with Concomitant Resectable Metastasis**


**Discriminating Pancreatic Cyst Type and Grade Using Clinical Criteria: the Results of a Large Retrospective Cohort**


**Recent-Onset Diabetes in IPMN: an Independent Predictor of Invasive Carcinoma and Intestinal-Type Histology**

V. Morales-Oyarvide, M. Mino-Kenudson, C.R. Ferrone, A.L. Warshaw, K.D. Lillemoe, and C. Fernández-del Castillo. *Department of Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts; Department of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts.*

**Post-pancreatoduodenectomy Complications in High-risk Patients Can Be Reduced with Hydrocortisone Treatment. A Randomized Controlled Trial**

M. Laaninen, J. Sand, K. Vasama, J. Laukkarinen. *Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland*

**Preclinical Testing of Anti-EZH2 Targeting Therapy for Pancreatic Cancer**

G. Lomberk, A. Mathison, A. Salmonson, M. Missfeldt, T. Christensen, and R. Urrutia. *Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Mayo Clinic, Rochester, Minnesota*

**Dual Inhibitor of HDAC and GSK-3β Prevents Pancreatic Cancer Progression**

C. Chheda, B. Soufi, C. Fall, R. Murali, S.J. Pandol, M. Edderkaoui. *Cedars-Sinai Medical Center, UCLA and VA, Los Angeles.*

**Low Dose Gemcitabine plus T1 Dendritic Cell Vaccination Generates Durable Cure in a KrasG12D/p53-/- Orthotopic Model of Pancreatic Ductal Adenocarcinoma**

V. Konduri, D. Li, M.M. Halpert, D. Liang, J.M. Levitt, Q.C. Yao, and W.K. Decker. *Department of Pathology & Immunology, Michael E. DeBakey Department of Surgery, Scott Department of Urology, Dan L. Duncan Cancer Center, Center for Cell and Gene Therapy, Baylor College of Medicine, Houston, Texas.*
10:15-11:30 a.m.  MINI SYMPOSIUM: Chronic Pancreatitis to Pancreatic Cancer
Location | Commodore Ballroom CDE
Modera tors | Zideng Feng & David Whitcomb

Dana K. Andersen, MD NIDDK, NIH
Type 3c Diabetes: Definition, Etiology, and Diagnosis

Suresh Chari, MD Mayo Clinic
Diabetes and Pancreatic Cancer

Darwin Conwell, MD, MS Ohio State University
Chronic Pancreatitis Management: Current and Future Directions

Julia Mayerle, MD University Medicine Greifswald
Metabolic Biomarkers to Distinguish Pancreatic Cancer and Pancreatitis

Yi Miao, MD, PhD Pancreas Center & Pancreas Institution, Nanjing Medical University
Inflammatory Disease or Neoplasm? Intra-operative Histological Evidence for Chronic Pancreatitis

11:30-12:00 p.m.  Frank Brooks State of the Art Lecture
Location | Commodore Ballroom CDE
Introduction | Margaret Tempero

Matthias Hebrok, PhD University of California, San Francisco
Defining Progenitor Cells for Pancreatic Adenocarcinoma

12:00-2:00 p.m.  Lunch & Poster Session
Lunch
Location | Pool/Marina Terrace

Poster Session
Guided viewing of the posters of distinction, 1:00-2:00 p.m.
Location | Commodore AB & Commodore Foyer

Adjudicators— Minoti Apte & Fred Gorelick, Jamie Barkin & Aliye Uc
Meet at Registration

2:00–3:20 p.m.  Pancreatitis Abstract Session
Location | Commodore CDE
Moderators | Sohail Husain & Kazuichi Okazaki

Ethanol Worsens Acute Pancreatitis(AP) via Increasing Bioavailability of Fatty Acids(FA), and Not via Fatty Acid Ethyl Esters(FAEE)
K. Patel1, P. Noel1, A. Singh1, C. Durgampudi2, C. de Oliveira1, R. Trivedi1, and V.P. Singh1.
1Department of Medicine, Mayo Clinic, Scottsdale, AZ; 2Department of Medicine, UPMC Passavant, Pittsburgh, PA.
Very Early Onset Acute Recurrent and Chronic Pancreatitis are Associated With PRSS1 or CTRC Mutations
A. Uc1, M. Giefer2, M.E. Lowe3, and S. Werlin4, on behalf of INSPPIRE Consortium.
1University of Iowa Children's Hospital, Iowa City, Iowa; 2Seattle Children's Hospital, Seattle, Washington; 3Children Hospital of Pittsburgh, Pittsburgh, Pennsylvania; 4Medical College of Wisconsin, Milwaukee, Wisconsin.

Refine the Basis for Classification Systems for Severity of Acute Pancreatitis: A Retrospectively Analysis of 1094 patients
T. Jin1, W. Huang13, L. H. Deng1, X. X. Zhang1, N. Shi1, Z. Q. Lin1, J. Guo1, X. N. Yang1, and Q. Xia1.1Sichuan Provincial Pancreatitis Centre, Department of Integrated Traditional and Western Medicine, West China Hospital, Sichuan University, Chengdu, China; 2NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK;

Epidemiology of Hospitalized Patients with Acute Pancreatitis: Etiological Changes over the Last Decade
S.G. Krishna, A. Hinton, S. Eldika, P.A. Hart, and D.L. Conwell. Section of Pancreatic Disorders, Division of Gastroenterology, Hepatology and Nutrition, The Ohio State University Wexner Medical Center, Columbus, OH

NEMO/ IKKγ Ablation Promotes Fibrosis and Impairs Regeneration during Pancreatitis
L.K. Chan, T. Wirth, H.J. Maier. Institute of Physiological Chemistry, University of Ulm, Ulm, Germany

Insulin Protects Pancreatic Acinar Cells During Experimental Acute Pancreatitis.
J.I.E. Bruce12, Sans2, H. Durairaj2, B. Holz2, B. Nielson2, S. Ernst2, and J.A.Williams2.1Faculty of Life Sciences, The University of Manchester, Manchester, UK; 2Department of Molecular and Integrative Physiology, University of Michigan, Ann Arbor Michigan

3:20 – 4:30pm

MINI SYMPOSIUM: Basic and Translational Research on Tobacco and Pancreatic Diseases
Location | Commodore CDE
Moderators | Al Lowenfels & Walter Park

Dhiraj Yadav, MD University of Pittsburg Medical Center
Epidemiology of Smoking and the Pancreas

Stephen Pandol MD Cedars Sinai
Cellular Mechanisms of Smoke-Induced Injury to the Pancreas

Christopher Heeschen, MD, PhD Barts Cancer Institute, Queen Mary University of London
Molecular Mechanisms of Nicotine Induced Pancreatic Neoplasia

Surinder K. Batra, PhD University of Nebraska Medical Center
Profibrogenic Effects of Endothelin Axis in Pancreatic Cancer

4:30-4:45 p.m.

Break
Location | Commodore Foyer
4:45-6:00 p.m.  MINI SYMPOSIUM: Young Investigator Symposium – Pathway to Leadership Awardees Collaboration with PanCAN
Location | Commodore CDE
Moderators | Julie Fleshman & Anil Rustgi

2012 The Daniel and Janet Mordecai Foundation – Pancreatic Cancer Action Network – AACR Pathway to Leadership Grant
Oliver McDonald, MD, PhD Vanderbilt University
Genome-wide Epigenetic Reprogramming During Evolution of Pancreatic Cancer

2012 Celgene Corporation - Pancreatic Cancer Action Network - AACR Pathway to Leadership Grant
Stephanie Dougan, PhD Dana-Farber Cancer Institute
Transnuclear Mice: Understanding the T Cell Response to Pancreatic Cancer

2012 Celgene Corporation - Pancreatic Cancer Action Network - AACR Pathway to Leadership Grant
Costas Lyssiotis, PhD University of Michigan
Defining and Targeting of Metabolic Dependencies in Pancreatic Cancer

2013 Pancreatic Cancer Action Network - AACR Pathway to Leadership Grant
Yuliya Pylayeva-Gupta, PhD University of North Carolina at Chapel Hill
Immunomodulatory Mechanisms in Kras-driven Pancreatic Cancer

7:00-10:00 p.m.  Awards Dinner & Reception

Reception 7:00-8:00 p.m.
Location | Bay Terrace

Dinner 8:00-10:00 p.m.
Location | Commodore CDE

FRIDAY, NOVEMBER 6

7:00-8:30 a.m.  Breakfast & Poster Viewing

Breakfast
Location | Pool/Marina Terrace

Meet the Experts Round Tables
Margaret Tempero, MD Therapy of pancreatic cancer
Aida Habtezion MD MSc Immunology of pancreatitis
Anirban Matira, MD Functional genomics and molecular pathology
Anil K. Rustgi, MD 3D culture and mouse models of pancreatic cancer
EMT-MET and metastasis
Diane Simeone, MD Pancreatic cancer stem cell biology

Poster Viewing
Location | Commodore Ballroom AB & Commodore Foyer
8:30-10:00 a.m.  **Pancreatitis Abstract Session**  
*Location | Commodore CDE*  
*Moderators | Matt DiMagno & Anna Gukovskaya*

**Roles of Extracellular ATP in Promoting Systemic Inflammation During Acute Pancreatitis**  
*Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, Minnesota*

**The Difference in Mechanisms of Neutrophil Infiltration between Type 1 and Type 2 Autoimmune Pancreatitis**  
*Department of Gastroenterology and Hepatology, Kansai Medical University, Hirakata, Japan; Department of Gastroenterology, Aichi Cancer Center Hospital, Nagoya, Japan; Department of Pathology, Kurashiki Central Hospital, Kurashiki, Japan; Department of Pathology, University of Verona, Verona, Italy; Department of Medicine, University of Verona, Verona, Italy; Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan*

**Human Recombinant Activated Protein C (XIGRIS) as a Disease Modifier Early in Severe Acute Pancreatitis: Final Results of a Case-Controlled Study (XIGAP 1).**  
*Hepatobiliary Surgical Unit; Critical Care Unit Manchester Royal Infirmary; School of Medicine, University of Durham, United Kingdom*

**Clinical Outcomes of Combined Necrotizing Pancreatitis Versus Extrapancreatic Necrosis Alone**  
M. Wang, A. Wei, Z. Zhang, and W. Hu.  
*Department of Pancreatic Surgery, West China Hospital, Chengdu, Sichuan, China.*

**Atg5 Deficiency Worsens Cerulein Pancreatitis**  
*VA Greater Los Angeles Healthcare System and University of California at Los Angeles; Kumamoto University, Japan; Harbor-UCLA Medical Center, Torrance, California*

**Targeting Pancreatic Calcineurin to Prevent Post-ERCP Pancreatitis**  
*Department of Pediatric Gastroenterology, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, Pennsylvania*

**Chronic ER-stress in AT-1 Transgenic Mice Results in a Loss of Zymogen Granules, Pancreatic Steatosis, Stellate Cell Activation and Collagen Deposition Characteristic of Chronic Pancreatitis**  
*Department of Nutritional Science, University of Wisconsin, Madison, WI; Department of Internal Medicine, University of Wisconsin, Madison, WI.*

10:00-10:15 a.m.  **Break**  
*Location | Commodore Foyer*
10:15-11:30 a.m. MINI SYMPOSIUM: Obesity, Metabolism and Pancreatic Diseases  
Location: Commodore CDE  
Moderators | Mark Lowe & Xingpeng Wang  

Nabeel Bardeesy, PhD MGH, Harvard Medical School  
Altered Metabolic Pathways in Pancreatic Cancer  

Zobeida Cruz-Montserrat, PhD The Ohio State University  
Animal Models of Obesity and Pancreatic Cancer  

Guido Eibl, MD David Geffen School of Medicine at UCLA  
Inflammation in Obesity-associated Pancreatic Cancer in Mice  

Vijay P. Singh, MD Mayo Clinic Arizona  
Acute Lipotoxicity As an Outcome Determinant in Pancreatitis  

11:30-12:00 p.m. Paul Webster Clinical State of the Art  
Location | Commodore CDE  
Introduction | Carlos Fernandez-del Castillo  

Pramod Garg, MD All India Institute of Medical Sciences  
Why Have We Failed in Developing a Therapy For Pancreatitis?  

12:00-2:00 p.m. Lunch & Poster Session  

Lunch Session  
Location | Pool/Marina Terrace  

Poster Session  
Guided viewing of the posters of distinction, 1:00-2:00 p.m.  
Location | Commodore AB & Commodore Foyer  

Adjudicators— Guy Groblewski & John Williams, Ajith Siriwardina & Brett Sheppard  
Meet at Registration  

2:00-2:30 p.m. Business Meeting  
Location | Commodore CDE  

Presidential Address Anirban Maitra  
Secretary-Treasurer’s Report Ashok Saluja  
Report from the Nominating Committee Carlos Fernandez-del Castillo  

2:30-3:45 p.m. MINI SYMPOSIUM: Multimodality Management of Pancreatic Cancer  
Location | Commodore CDE  
Moderators: Joe Hines & Jens Werner  

Elliott K. Fishman MD FACP Johns Hopkins Hospital  
Optimal Imaging for Staging  

Michael Levy, MD Mayo Clinic  
EUS Staging of Pancreatic Cancer  

Margaret Tempero, MD University of California, San Francisco  
Options for Neoadjuvant Chemotherapy
Joseph Herman, MD, MSc  Johns Hopkins Medicine
Preoperative Radiation Therapy Improves Pathologic Outcomes in Patients with Localized Pancreas Cancer

3:45-4:00 p.m.  Break
Location | Commodore Foyer

4:00-5:15 p.m.  Parallel Session: Clinical Controversy: Management of Branch Duct IPMNs
Location: Commodore CDE
Moderators | Christopher Forsmark & Joe Hines
Santhi Swaroop Vege, MD  Mayo Clinic
AGA Guidelines on Asymptomatic Neoplastic Cysts: Systemic Review and Graded Recommendations
Marcia Irene Canto, MD, MHS  Johns Hopkins Medicine
Pancreatic Cysts - Less is more?
Carlos Fernandez-del Castillo, MD  MGH, Harvard Medical School
A Surgeon's Perspective

4:00-5:15 p.m.  Parallel Session: Basic Science Controversy: Does Alcohol Cause Pancreatititis?
Location | Constellation Ballroom
Moderators | Ilya Gukovsky & Craig Logsdon
Dhiraj Yadav, MD  University of Pittsburg Medical Center
No (Clinical, Epidemiology approach)
Steve Pandol, MD  Cedars Sinai Medical Center
Yes (Basic Science approach)

5:15-6:30 p.m.  Parallel Session: Clinical Science Abstracts
Location | Commodore CDE
Moderators: Vikesh Singh & Huaizhi Wang

Featured Speaker
Xingpeng Wang, MD, PhD  Shanghai Jiaotong University, Shanghai General Hospital
Necroptosis Contributes to Pancreatic Damage in Acute Pancreatititis

Abstracts:
The Impact of Early Initiation of High-Dose Pancreatic Enzyme Supplementation for Prevention of Nonalcoholic Fatty Liver Disease after Pancreatectoduodenectomy
Y. Iizawa, H. Kato, A. Tanemura, Y. Murata, A. Yoshinori, N. Kuriyama, M. Kishiwada, S. Mizuno, M. Usui, H. Sakurai, S. Isaji. Division of Hepatobiliary Pancreatic and Transplant Surgery, Mie University, Tsu, Mie, Japan

Margin Clearance and Survival in Resected Pancreatic Adenocarcinoma in the Era of Adjuvant Chemotherapy
1Department of General Surgery; 2Institute of Pathology; 3National Center for Tumour Diseases, Heidelberg University Hospital, Heidelberg, Germany
Open and Minimally Invasive Pancreatoduodenectomy for Pancreatic Cancer: Perioperative, Oncologic, and Survival Outcomes
M.F. Eskander, S.W.L. de Geus, L.A. Bliss, S.C. Ng, A.J. Moser, and J.F. Tseng. Surgical Outcomes Analysis & Research, Beth Israel Deaconess Medical Center, Boston, Massachusetts

Multidisciplinary Approach to Disconnected Pancreatic Duct Syndrome (DPDS) in Acute Pancreatitis (AP) - A Single Tertiary Center Experience
G. Trikudanathan, E. Aby, R. Attam, S.K. Amateau, S. Mallery, M.L. Freeman, M.A. Arain. GI Division, Department of Medicine, University of Minnesota.

Total Pancreatectomy and Islet Autotransplantation: A Decade Long Nationwide Analysis

**5:15-6:30 p.m.**

**Parallel Session: Basic Science Abstracts**

**Location | Constellation Ballroom**

Moderators | Sulagna Banerjee & Aida Habtezion

Effect of Genetic Chymotrypsin C (Ctcp) Deficiency on Cerulein Induced Pancreatitis in the Mouse
A. Geisz, B.C. Németh, Z. Jancsó, and M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University Medical Center, Boston, MA.

The Ampulla is a Reservoir for Lgr5-Derived Secretory Cells that Migrate to the Pancreas Following Injury
A. Nakagawa1, M. Mino-Kenudson2, S.P. Thayer1, K.D. Lillemoe1, C. Fernández-del Castillo1, A.L. Warshaw1, A.S. Liss. Departments of 1Surgery and 2Pathology and the Andrew L. Warshaw, MD Institute for Pancreatic Cancer Research, Massachusetts General Hospital and Harvard Medical School, Boston, MA

The Ets-transcription Factor Etv1 Regulates Stromal Expansion and Metastasis in Pancreatic Cancer

Microenvironment Mediated Altered Metabolic Pathways Confer Increased Chemoresistance in CD133+ Tumor Initiating Cells
S. Banerjee, A. Nomura, P. Dauer, B. Garg, V. Dudeja, S. Ramakrishnan, and A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

Profibrogenic Effects of Endothelin Axis in Pancreatic Cancer
S. Gupta1, S. Rachagani1, X. Wang2, C. Guda3, S.K. Batra13, and M. Jain13. 1Department of Biochemistry & Molecular Biology; 2Department of Genetics, Cell Biology & Anatomy; 3The Fred and Pamela Buffett Cancer Center; University of Nebraska Medical Center, Omaha, Nebraska

Best of EPC
Zhengyu Jiang Interleukin IL-1β Overexpression Promotes Pancreatic Ductal Adenocarcinoma Development in Oncogenic KRAS Bearing Mice
**Women in Pancreas Reception & Dinner**
*Reception Location | Bay Terrace*
*Dinner Location | Britannia/Cambria*
*Co-chairs | Diane Simeone, Aida Habtezion & Kim Kelly*

**Keynote Speaker:**
*Helen Torley, MB, ChB, MRCP CEO & President*
*Halozyme Therapeutics*

---

**SATURDAY, NOVEMBER 7**

**7:00-8:30 a.m.**
*Breakfast*
*Location | Pool/Marina Terrace*

**8:30-10:20 a.m.**
*Pancreatic Cancer Abstract Session*
*Location | Commodore CDE*
*Moderators | Paul Grippo & Nipun Merchant*

**Pancreatic Adenocarcinoma of the Young: Impaired Survival Caused by Genetic Changes?**
*A. Gluth¹, F. Bergmann², U. Hinz¹, N. Giese¹, J. Werner¹, M.W. Büchler¹, and W. Hartwig¹*
¹Department of Surgery, University of Heidelberg, Germany; ²Institute of Pathology, University of Heidelberg, Germany

**Cytidine Deaminase (CDA) Transcript Analysis Complements hENT1 Protein Staining in Predicting Gemcitabine Response in the ESPAC-3 Pancreatic Cancer Cohort**
*N. Elander¹, K. Aughton¹, P. Ghaneh¹, J.P. Neoptolemos¹, E. Costello¹, D. Palmer¹, T. Cox¹, F. Campbell¹, E. Garner¹, A.S. Evans¹, N. Rimmer¹, C. Halloran¹, M.W. Büchler³, and W. Greenhalf¹*
¹NIHR Liverpool Pancreas Biomedical Research Unit, Department of Molecular & Clinical Cancer Medicine, University of Liverpool, UK; ²Department of Oncology & Department of Clinical & Experimental Medicine, Linköping University, Sweden; ³Department of Surgery, University of Heidelberg, Heidelberg, Germany

**Arterial Resection Without Reconstruction Following Preoperative Arterial Embolization for Locally Advanced Pancreatic Head Cancer with Arterial Invasion**

**New Biomarkers for the Detection of Early-Stage and CA19-9-Low Pancreatic Cancer**
*H. Tang¹, K. Partyka¹, D. Kletter², P. Hsueh¹, Y. Huang³, R.E. Brand⁴, and B.B. Haab¹*
¹Center for Cancer and Cell Biology, Van Andel Research Institute, Grand Rapids, Michigan; ²Palo Alto Research Center, Palo Alto, California; ³Public Health Sciences Division, Fred Hutchinson Cancer Research Center, Seattle, Washington; ⁴Division of Gastroenterology, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania; ²Present address: Protein Metrics, Inc., San Carlos, California*

**Predictors of Malignancy in Main Duct and Mixed Type Intraductal Papillary Mucinous Neoplasms (IPMN)**
p53 Gain-of-Function Mutations Promote Adenocarcinoma from Pancreatic Ductal Cells
M.A. Pruski, A.M. Hendley, N.C. Jones, M. Younes, A. Maitra, S.D. Leach, and J.M. Bailey. Division of Gastroenterology, Hepatology and Nutrition, Department of Internal Medicine, The University of Texas Health Science Center at Houston, Houston, Texas; Division of Pathology and Laboratory Medicine, The University of Texas Medical School at Houston, Houston, Texas; Departments of Pathology and Translational Molecular Pathology, The University of Texas MD Anderson Cancer Center, Houston, Texas; The David Rubenstein Pancreatic Cancer Research Center, Memorial Sloan Kettering Cancer Center, New York, New York

Induction of R201C Mutant Gαs Facilitates Murine Pancreatic Tumorigenesis in Cooperation with G12D Mutant Kras
H. Yamaguchi, G. Dangol, B. Ghosh, J. S. Gutkind, A. Maitra. Sheikh Ahmed Center for Pancreatic Cancer Research, University of Texas, MD Anderson Cancer Center, Houston, Texas; Oral and Pharyngeal Cancer Branch, National Institute of Dental and Craniofacial Research, National Institute of Health, Bethesda, Maryland

Targeting CDK4/6 Overcomes Therapeutic Resistance Associated with KRAS-MEK Pathway Inhibition in Pancreatic Cancer (PDAC)
J. Castellanos, N. Nagathihalli, M. VanSaun, and N. Merchant. Vanderbilt University Medical Center, Nashville, Tennessee; Department of Surgery, University of Miami, Miami, Florida

FGF21 Delays Pancreatic Cancer Formation and Prevents Liver Metastasis in Oncogenic Kras Expressing Mice Fed on High-Fat Diet
W. Lu, Y. Yang, Y. Luo, Y. Liu, X. Wang, M. Liu, R.A. Wolff, J.L. Abbruzzese, and C.D. Logsdon. Department of GI Medical Oncology, Department of Cancer Biology, UT MD Anderson Cancer Center, Houston, Texas; Wenzhou Medical School, Wenzhou, China; Texas A&M University Health Science Center IBT, Houston, Texas; Duke Cancer Institute, Durham, North Carolina

10:20-10:35 a.m. Break
Location | Commodore Foyer
10:35-12:00 p.m. MINI SYMPOSIUM: Management of Recurrent Acute Pancreatitis
Location | Commodore CDE
Moderators | Marty Freeman & Bechien Wu

Mario Pelaez-Luna, MD Universidad Nacional Autonoma de Mexico, School of Medicine, Instituto Nacional de Ciencias Medicas y Nutricion Salvador Zubiran
Genetics of Recurrent Acute Pancreatitis

Markus M. Lerch, MD, FRCP University Medicine Greifswald
Possible Causes & Mechanisms of Recurrent Acute Pancreatitis

D. Nageshwar Reddy, MD, DM, DSc, FAMS, FRCP, FASGE, FACC, MWGO Asian Institute of Gastroenterology
EUS and MRCP in iRAP

Hong Sik Lee, MD, PhD Korea University Anam Hospital
The Role of ERCP and EUS in Acute Recurrent Pancreatitis
Gregory A. Coté, MD, MS  Medical University of South Carolina  
*Controversies in Endoscopic Therapy*

Martin Freeman, MD  University of Minnesota  
*TPIAT for Refractory Cases*

**12:00-1:30 p.m.**  
**MINI SYMPOSIUM: Biology and Translational Implications of Metastatic Pancreatic Cancer**  
*Location | Commodore CDE*  
*Moderators | Charles Brunicardi & Vikas Dudeja*

Michael Hollingsworth, PhD  University of Nebraska  
*Rapid Autopsy Program*

Andrew D. Rhim, MD  University of Michigan  
*Circulating Pancreas Cells as a Beacon for Subclinical Pancreatic Cancer*

David T. Ting, MD  MGH Cancer Center, Harvard Medical School  
*Pancreatic Circulating Tumor Cells: Window into the Metastatic Cascade*

Tooru Shimosengawa, MD, PhD  Tohoku University Graduate School of Medicine  
*Metastasis of Pancreatic Cancer; Basic Mechanisms and Therapeutic Approaches*

Min Li, PhD  University of Oklahoma Health Sciences Center  
*Combinational Therapy for Pancreatic Cancer*

Ravikanth Maddipati, MD  Perelman School of Medicine, University of Pennsylvania  
*Clonal Origins of Pancreatic Cancer Metastasis*

**1:30 p.m.**  
**Lunch**  
*Location | Pool/Marina Terrace*
**POSTER SESSIONS | THURSDAY**

**POSTERS OF DISTINCTION | THURSDAY, NOVEMBER 5**

**P1-1**
Small Molecule Inhibitors of Cyclophilin D to Protect Mitochondrial Function as a Possible Treatment for Acute Pancreatitis. M. Awais, E. Shore, R. Gibson, M.A. Javed, L. Wen, D. Latawiec, N. Kershaw, S. Pandalaneni, D.N. Criddle, A. Tepikin, N. Berry, L-Y. Lian, P. O’Neill, R. Sutton. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Department of Chemistry, NMR Centre for Structural Biology, Department of Cellular and Molecular Physiology, MRC Centre for Drug Safety Science, University of Liverpool, UK

**P1-2**
Agency for Healthcare Research and Quality (AHRQ) Patient Safety Indicators (PSIs) are Associated with Increased Healthcare Utilization, Costs, and Mortality Among Patients Hospitalized with Acute Pancreatitis. J. Behzadi, S. El-Dika, A. Hinton, S. Krishna, S. Moffatt-Bruce, D. Conwell, P. Hart. The Ohio State University Wexner Medical Center, Columbus, Ohio

**P1-3**
Histone Deacetylases Act as Molecular Switches to Promote Pancreatic Regeneration Following Pancreatic Injury. J.F. Eisses, A. Criscimana, Z.R. Dionise, T.A. Javed, J.A. Ozolek, A. Davis, A.I. Orabi, S. Sarwar, S. Jin, S.P.S. Monga, F. Esni, S.Z. Husain. Department of Pediatric Gastroenterology, Surgery, Pathology, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA; Department of Pathology, University of Pittsburgh School of Medicine, Pittsburgh, PA

**P1-4**
Fully Covered Lumen Apposing Metal Stent for the Management of Walled off Necrosis (WON): A Single Center Experience. S. Elwir, S Amateau, S. Mallery, M. Freeman, M. Arain. Department of Gastroenterology, University of Minnesota, Minneapolis, MN

**P1-5**
Evaluation of Proposed Biomarkers in Early Stage Pancreatic Ductal Adenocarcinoma. M.A. Firpo, A. Rosati, G.D. Khanderao, D.G. Adler, C.S. Scaife, K.M. Boucher, M.C. Turco, S.J. Mulvihill. Huntsman Cancer Institute, University of Utah, Salt Lake City, Utah; University of Salerno, Fisciano, Italy

**P1-6**
Human Pro-Elastase 3B but not 3A Forms Binary Complexes with Pro-Carboxypeptidases A1 and A2. A. Szabó, C. Pilsak, W. Heiko, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University Medical Campus, Boston, MA; Pediatric Nutritional Medicine and Else Kröner-Fresenius-Zentrum für Ernährungsmedizin, Technische Universität München, Munich, Germany

**P1-7**
Rates of Malignancy in Side Branch IPMN are Underestimated - A Systematic Review of Recent Publications. M. Heckler, C. W. Michalski, S. Schaeffle, S. Fritz, M. W. Büchler, T. Hackert. Department of Surgery, University of Heidelberg, Heidelberg, Germany

**P1-8**
p120 Catenin Suppresses Basal Epithelial Cell Extrusion in Invasive Pancreatic Neoplasia. A.M. Hendley, Y.J. Wang, J. Alsina, K.J. Lafaro, A. Maistra, C.A. Iacobuzio-Donahue, S.D. Leach and J.M. Bailey. The McKusick-Nathans Institute of Genetic Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, USA; The David Rubenstein Pancreatic Cancer Research Center, Memorial Sloan Kettering Cancer Center, New York, NY, USA; Departments of Pathology and Translational Molecular Pathology, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; Division of Gastroenterology, Hepatology, and Nutrition, Department of Internal Medicine, The University of Texas Health Science Center at Houston, Houston, TX, USA

**P1-9**
Regulation of Human Anionic Trypsinogen (PRSS2) by Chymotrypsin C. Zs. Jancsó, A. Szabó, and M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University, Boston, Massachusetts

**P1-10**
Evaluation of the Prognostic Significance of ‘High-risk Stigmata’ in the International Consensus Guidelines 2012 for Intraductal Papillary Mucinous Neoplasm. K. Kimura, R. Amano, S. Yamazoe, O. Ohira, K. Miura, K. Nishio, K. Sakurai, T. Toyokawa, M. Ohira, and K. Hirakawa. Department of Surgical Oncology, Osaka City University Graduate School of Medicine, Osaka, Japan
P1-11
Impact of the Anatomical Location of Necrosis on Outcome in Patients of Acute Pancreatitis. N. Dhaka1, A. Munit2, J. Samanta1, R. Prasada1, P Gupta2, V. Gupta2, TD Yadav1, S. K. Sinha1, R. Kochhar1. 1Department of Gastroenterology, 2Department of Radiodiagnosis, 1Department of Surgery, Postgraduate Institute Of Medical Education And Research, Chandigarh, India; 4John H Stroger Hospital of Cook, Chicago, IL, United States.

P1-12
Smoking and Alcohol Induce Pancreatic Acinar Cell Pathology via Inhibition of IRE1/XBP1. A. Lugea, R.T. Waldron, H.Y. Su, A. Go, A. Gerloff, S.J. Pandol. Cedars-Sinai Medical Center and UCLA-VAGLAHS, Los Angeles, California

P1-13
Intralobular Fat and Fibrosis Predict Development of Fistulae after Pancreatic Resection. R. Pannala1, V. Kommineni1, K. Patel1, D. Lam-Himlin2, A. Mathur3, N. Katariya3, A. Moss3, M. Crowell1, V. Singh1 Divisions of 1Gastroenterology, 2Pathology, 3Surgery, Mayo Clinic, Arizona

P1-14

P1-15

P1-16
Factors Associated with Early Disease-related Mortality Following Contemporary Resection for Pancreatic Adenocarcinoma. A. Zanconato, H. Zheng, C.R. Ferrone, D. Dias-Santos, K.D. Lillemoe, C. Fernandez-del Castillo. Department of Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

P1-17

P1-18
Triptolide Results in Accumulation of HIF-1α but Reduces its Activity in Pancreatic Cancer. O. McGinn, N. Arora, P.Dauer, V.Gupta, A.K. Saluja, S.Banerjee. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN

POSTERS

P1-19

P1-20
The Role of Multidrug Resistant Bacterial Infection in Patients with Acute Pancreatitis. Q. Guo, H. Lu, and W. Hu. Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu 610041, Sichuan Province, China.

P1-21
A New Panel of Serum Markers for Diagnosis and Differentiation of Inflammatory Gastrointestinal Diseases and Tumors. A. Brock1, T. Erben,1 T. Herzog2, W. Uhl2, R. Ossig1, Jürgen Schnekenburger1. 1Biomedical Technology Center of the Medical Faculty of the University Muenster, Germany; 2Clinic for General and Visceral Surgery, St. Josef Hospital, Bochum, Germany; 3Department of Surgery, University Hospital Muenster, Germany
**P1-22**
The CILIP-Project – Ciliate Enzymes with Recombinant Lipase for Treating Pancreatic Exocrine Insufficiency. A. Brock¹, I. Aldag,² S. Edskes,² T. Herzog,² W. Uhl² M. Hartmann,³ Jürgen Schnekenburger³, Biomedical Technology Center of the Medical Faculty of the University Muenster, Germany; ³Clinic for General and Visceral Surgery, St. Josef Hospital Bochum, Germany; ³Cilian AG, Muenster, Germany

**P1-23**
Cumulative Acute Pancreatitis Outcome Score for Clinical Trials in Acute Pancreatitis. W. Huang², P. Szatmary¹, D. Iglesias-Garcia¹, A. Sud¹, B. Lane¹, Q. Nunes¹, R. Mukherjee¹, W. Greenhalf¹, M. Raraty¹, R. Sutton¹, NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK; ²Sichuan Provincial Pancreatitis Centre, Department of Integrated Traditional and Western Medicine, West China Hospital, Sichuan University, Chengdu, China

**P1-24**
Early Prediction of Major Clinical Outcomes of Patients with Acute Pancreatitis by Circulating Histones. T. Liu², W. Huang¹, P. Szatmary², S.T. Abrams¹, W. Greenhalf², I. Welters¹, R. Sutton², G. Wang¹, and C.H. Toh¹, Institution of Infection and Global Health, University of Liverpool, Liverpool, UK; ²NIHR Liverpool Pancreas Biomedical Research Unit, and ²Intensive Treatment Unit, Roald Dahl Haemostasis & Thrombosis Centre, Royal Liverpool University Hospital, Liverpool UK; ³Sichuan Provincial Pancreatitis Centre, West China Hospital, Sichuan University, Chengdu, China

**P1-25**
Therapeutic Potential of Pyruvate in Acute Pancreatitis: In Vitro Findings and A Systematic Review. W. Huang², J. J. Xiong⁴, C. R. Cheng¹, P. Szatmary¹, M. Chvanov³, D. N. Criddle¹, Q. Xia¹, and R. Sutton¹, NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; ²Department of Cellular and Molecular Physiology, University of Liverpool, Liverpool, UK; ³Sichuan Provincial Pancreatitis Centre, Departments of Integrated Traditional and Western Medicine, West China Hospital, Sichuan University, Chengdu, China; ²Department of Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, China; ²School of Chemistry and Pharmaceutical Engineering, Sichuan University of Science and Engineering, Zigong, China

**P1-26**
Comparison of Surgical Outcome of Radical Antegrade Modular Pancreatodopancreatectomy with Standard Retrograde Pancreatodopancreatectomy and Evaluation of the Prognostic Factors in Left Side Pancreatic Cancer. T. Abe, K. Ohuchida, M. Nakamura. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

**P1-27**
A Patient Specific PA Bio-Bank to Improve Personalized Treatment and Understand Chemotherapy Resistance Mechanism. E.M. Parasido¹, P. Sripathan,³ J. Brody¹, R. Schlegel¹, J. Winter¹, C. Albanese.¹ ¹Department of Oncology, Georgetown University, Washington DC; ²Department of Pathology, Georgetown University, Washington DC; ³Department of Surgery, Thomas Jefferson University, Philadelphia, PA

**P1-28**
Selective Arterial Secretagogue Injection Test (SASI Test) in 15 Insulinoma Patients. K. Ueda,¹ L. Lee,¹ T. Fujiyama,¹ Y. Tachibana,¹ M. Masami,¹ K. Yasunaga,¹ K. Kawabe,¹ H. Honda,² M. Nakamura,³ Y. Oda,⁴ T. Ito,¹ ¹Department of Medicine and Bioregulatory Science; ²Department of Clinical Radiology; ³Department of Surgery and Oncology; ⁴Department of Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

**P1-29**
Pancreatic Human Fibroblast Expression Profiling Reveals Novel microRNAs and mRNAs in the Diseased Pancreas. L. Barrera¹, B. Lane¹, S. Brumskill², F. Oldfield¹, Q. Nunes¹, F. Campbell¹, T. Andrews¹, P. Phillips³, C. Halloran¹, W. Greenhalf¹, J. Neoptolemos¹, and E. Costello¹. ¹NIHR Liverpool Pancreas Biomedical Research Unit, UK; ²Redx Oncology, UK; ³Department of Pathology, Royal Liverpool University Hospital, UK; ⁴The University of New South Wales, Sydney, Australia

**P1-30**
Imaging Modalities in Chronic Pancreatitis: A Systematic Review and Meta-analysis. Y. Issa¹, M.A. Kempeneers¹, H.C. van Santvoort¹, S. Bipt², and M.A. Boermeester¹, ¹Department of Surgery, Academic Medical Centre Amsterdam, The Netherlands; ²Department of Radiology, Academic Medical Centre Amsterdam, The Netherlands
P1-31
Computer Tomography Versus Magnetic Resonance Cholangiopancreatography in Patients with Chronic Pancreatitis. Y. Issa1, U. Ahmed Ali2, T. Bollen2, M. van der Hoek1, Y. Keulemans4, H.C. van Santvoort1, C.Y. Nio1, and M.A. Boermeester1. 1Department of Surgery, Academic Medical Center, Amsterdam, The Netherlands; 2Department of Surgery, University Medical Center Utrecht, Utrecht, The Netherlands; 3Department of Radiology, St Antonius Hospital, Nieuwegein, The Netherlands; 4Department of Gastroenterology, University Hospital Maastricht, Maastricht, The Netherlands

P1-32

P1-33
Deregulation B-Catenin Gene Expression in Pancreatic Cancer. A. Botezatu1, I.V. Iancu1, A. Plesa1, C.C. Diaconu1, G.Anton1, R. Florea2, V. Ilie2, A. Sorop2, N. Bacalbasu2, V. Tica2, D.G. Duda3, S.O. Dimac2, I. Popescu31 "St. S. Nicolau" Institute of Virology, Romania; 2Fundeni Clinical Institute, Gastroenterology and Hepatic Transplantation Center, Romania; 3Edwin L. Steele Laboratory for Tumor Biology, Charlestown, MA, U.S.A.

P1-34

P1-35
DPYSL3 Regulates TFF2/SMAD4 Tumor Suppressor Signaling in Pancreatic Cancer. S. Chowdhury1, M. Ali1, J. Yamaguchi2, A.S. Liss2, A. Sontheimer2, and S.P. Thayer1. 1Department of Surgery, Fred and Pamela Buffett Cancer Center at University of Nebraska Medical Center, Omaha, Nebraska; 2Andrew L. Warshaw Institute for Pancreatic Cancer Research, MGH, Boston, Massachusetts

P1-36
Amelioration of Experimental Acute Pancreatitis with FK-506 and Tamoxifen. D. L. Clemens1, K. J. Schneider1, C. K. Arkfeld1, and S. Singh1. 1Department of Internal Medicine, University of Nebraska Medical Center, Omaha, NE; 2VAMC Omaha, NE

P1-37
Molecular Evidence for Monoclonal Skip Progression in Main Duct Intraductal Papillary Mucinous Neoplasms of the Pancreas. K. Date1, T. Ohtsuka1, T. Fujimoto1, Y. Gotoh1, Y. Nakashima1, H. Kimura1, T. Matsunaga1, N. Mochidome1, T. Miyazaki1, Y. Oda2, M. Tanaka2, and M. Nakamura1. 1Departments of Surgery and Oncology; 2Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

P1-38
Role of miR-21-3p in Promoting Inflammation During Acute Pancreatitis. A.K. Dixit, J. George, U. Barlass, Z. Yuan, A. Sareen, V. Dudeja, R. Dawra, and A.K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis Minnesota

P1-39

P1-40
Increased Nuclear Transport of β-Catenin and LRP 6 Phosphorylation as Novel Prognostic Biomarkers for the Progression of Pancreatic Tumor. B. Garg, S. Modi, K. Majumder, S. Banerjee, V. Dudeja, and A. Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN

P1-41

P1-42
Pancreatic Gastrokine is a Secreted Biomarker with Putative Tumor Suppressor Role. G. Seleznik1, T. Reding1, A. Dittmann1, A. Perren2, E. Angst3, M. Heikenwälder1, and R. Graef1. 1Visceral & Transplantation Surgery, University Hospital Zurich, Switzerland; 2Institute of Pathology, University of Bern, Switzerland; 3Institute for Virology, Helmholtz-Centre Munich, Germany
P1-43
Undifferentiated Carcinoma with Osteoclast-Like Giant Cells of the Pancreas Misdiagnosed as a Solid Pseudopapillary Tumor. H. Ham, I. Lee, C. Lim, J. Kim, M. Baeg, Y. Cho, J. Park, B. Lee, Y. Cho, M. Choi. Division of Gastroenterology, The Catholic University of Korea College of Medicine, Seoul, Korea

P1-44
A common deletion variant of chymotrypsin B2 (CTRB2) causes misfolding. E. Hegyi, M. Sahin-Tóth, Department of Molecular and Cell Biology, Boston University Medical Center, Boston MA

P1-45
Reprogramming Pancreatic Cancer to Induce Quiescence and Acinar Cell Fate. SW Kim*12, J van Niekerk*12, TA’almaleh12, R Lahmy12, and P Itkin-Ansari12. 1Department of Pediatrics, University of California, San Diego, La Jolla, CA; 2Development and Aging Program, Sanford-Burnham Medical Research Institute, La Jolla, CA.

P1-46

P1-47
p120 Catenin is Required for Regeneration of the Exocrine Pancreas in Mice. N.C. Jones, A.M. Hendley, M.A. Pruski, J.M. Bailey. Division of Gastroenterology, Hematology, and Nutrition, Department of Internal Medicine, The University of Texas Health Science Center at Houston, Texas.

P1-48
A Surgical Approach to Extrahepatic Bile Duct Carcinoma with Intestinal Non-rotation Presenting with Pre-duodenal Portal Vein. H. Karasaki12, Y. Mizukami1, T. Kono12, T. Maejima1, S. Fukahori1, N. Mukai1, S. Kasai1, Y. Matsubara1, H. Amizuka1, and K. Nagashima1. 1Department of Surgery, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan; 2Center for Clinical and Biomedical Research, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan; 3Department of Gastroenterology, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan; 4Department of Pathology, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan

P1-49
Loganin Protects Against Pancreatitis by Inhibiting NF-Kb Activation. M.J. Kim12, I.J. Jo13, G.S. Bae13, S.B. Choi12, D.G. Kim12, J.Y. Shin1, S.K. Lee12, M.J. Kim12, J. Jun-Hyeok12, T.H. Kim4, S.H. Hong4, B.M. Choi4, and S.J. Park123. 1Department of Herbolgy, 2BK 21 plus team, 3Habang Body-fluid Research Center, school of Korean medicine, 4Department of Internal Medicine, College of Medicine, 5Department of Oriental Pharmacy, College of Pharmacy, Wonkwang, Oriental Medicines Research Institute, 6Department of Biochemistry, School of Medicine, Wonkwang University, Iksan, South Korea.

P1-50
Adequate and Timely Reduction of Pancreatic Ductal Hypertension as the Main Criterion for Successful Surgical Treatment of Chronic Pancreatitis. V. Klymenko, A. Klymenko, A. Steshenko. Zaporizhzhya State Medical University, Zaporizhzhya, Ukraine.

P1-51
Pancreatic Stellate Cells Lead and Promote the Local Invasion of Cancer Cells, by Physically Remodeling the Extracellular Matrix with a Collagen Fiber Alignment in Pancreatic Cancer. K. Kolkawa1, K. Ohuchida1, M. Sada1, T. Abe1, S. Endo1, K. Horioka1, T. Moriyama1, Y. Miyasaka1, T. Ohtuka1, R. Ohuchida2, T. Ueki2, E. Nagai2, K. Mizumo3, and M. Nakamura1. 1Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka, Japan; 2Section of Fixed Prostodontics, Division of Oral Rehabilitation, Faculty of Dental Science, Kyushu University, Fukuoka, Japan.

P1-52
MUC5AC mediated Oncogenic Signaling in Pancreatic Cancer. S.R. Krishn1, S. Kaur1, S. Ayala1, S.L. Johansson2, and S.K. Batra12. 1Department of Biochemistry & Molecular Biology; 2Eppley Institute for Research in Cancer and Allied Diseases; 3Department of Pathology and Microbiology, University of Nebraska Medical Center, Omaha, Nebraska.

P1-53
Increased Neutrophil to Lymphocyte Ratio is a Poor Prognostic Factor in Patients Undergoing Gemcitabine and Erlotinib Combination Chemotherapy for Pancreatic Adenocarcinoma. J.M. Lee, H.S. Lee, J.J. Hyun, C.D. Kim. Division of Gastroenterology and Hepatology, Department of Internal Medicine, Korea University College of Medicine, Seoul, Republic of Korea.
P1-54
Hypermethylation of the Mir-506 Gene Facilitates Pancreatic Cancer Progression and Chemoresistance via SPHK1/Akt/NF-Kb Signaling. J. Li, H. Wang. Institute of Hepatopancreatobiliary Surgery, Southwest Hospital, Third Military Medical University, Chongqing, PR China

P1-55
Epigenetic Therapeutics of Pancreatic Cancer: Inhibition of PDAC Growth by Targeting the HP1-G9a/GLP Histone Methyltransferase Pathway. A. Salmonson, M. Missfeldt, A. Mathison, and G. Lomberk. Epigenetics and Chromatin Dynamics Laboratory, GI Research Unit, Department of Medicine, Mayo Clinic, Rochester, MN

P1-56
Survivin Is a Potential New Therapeutic Target in the Treatment of Pancreatic Cancer. Q.P. Ly, G. Howell, M. Mendick, C. Murari, S. Laschanzky, and M. Brattain. Department of Surgery, University of Nebraska Medical Center and Fred & Pamela Buffett Cancer Center

P1-57
Actinomycin D Sensitises Chemotherapy Resistant Suit-2 Pancreatic Cancer Cell Lines To Gemcitabine. K. Mann, B. Rogoyski, P. Ghaneh, C. Rubbi, and W. Greenhalf. Department of Molecular and Clinical Cancer Medicine, University of Liverpool, Merseyside

P1-58

P1-59
Multicenter Comparative Study of Laparoscopic and Open Distal Pancreatectomy Using Propensity Score-Matching. Y. Miyazaki, M. Nakamura, M. Tanaka, T. Morikawa, M. Unno, G. Wakabayashi, T. Beppu, T. Takahara, H. Yamaue, M. Miyazaki, and T. Takada. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Department of Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan; Department of Surgery, Ageo Central General Hospital, Ageo, Japan; Department of Gastroenterological Surgery, Graduate School of Life Sciences, Kumamoto University, Kumamoto, Japan; Department of Surgery, Iwate Medical University School of Medicine, Morioka, Japan; Second Department of Surgery, Wakayama Medical University School of Medicine, Wakayama, Japan; Department of General Surgery, Graduate School of Medicine, Chiba University, Chiba, Japan; Department of Surgery, Teikyo University School of Medicine, Tokyo, Japan; Japanese Society of Hepato-Biliary-Pancreatic Surgery and Japanese Society for Endoscopic Pancreatic Surgery

P1-60

P1-61
Pancreatic Cysts: Diagnostic Accuracy and Risk of Inappropriate Resections. S. Mukewar, N. de Pretis, A. Aryal-Khanal, N. Takahashi, and S. Chari. Department of Gastroenterology and Hepatology, Mayo Clinic, Rochester, Minnesota

P1-62
Histological Effect of Chemoradiotherapy Contributes to Securing a Surgical Margin and Improving Prognosis in Patients with Locally Advanced Pancreatic Cancer. Y. Murata, M. Kishiwada, N. Kuriyama, Y. Azumi, S. Mizuno, M. Usui, H. Sakurai, S. Isaji. Division of Hepato-biliary Pancreatic and Transplant Surgery, Mie University, Tsu, Mie, Japan

P1-63
Robotic Cystogastrostomy with Pancreatic Necrosectomy. I. Nassour, S. Kukreja. Department of Surgery, University Of Texas Southwestern, Texas; Department of Surgery, VA North Texas Health Care System, Texas.

P1-64
Preoperative CT Assessments of the Pancreas Predict Fatty Liver after Pancreatoduodenectomy. K. Ohgi, Y. Okamura, Y. Yamamoto, T. Sugiura, T. Ito, R. Ashida, and K. Uesaka. Division of Hepato-Biliary-Pancreatic Surgery, Shizuoka Cancer Center, Shizuoka, Japan
P1-65
Mean Brightness of Ultrasound Image Strongly Correlates with Degree of Pancreatic Steatosis. V. Kommineni1, K. Patel1, M. Belohlavek2, D. Lam-Himlin2, N. Gades3, D. Faigel1, M. Alloussy3, M. Sturek2, V. Singh1, R. Pannala1 Divisions of 1Gastroenterology; 2Cardiology; 3Pathology; 4Comparative Medicine, Mayo Clinic Arizona; 5Cellular and Integrative Physiology, Indiana University

P1-66
Serum Tumor Markers are not Useful to Select Patients with Mucinous Cystic Lesion Having Malignant Transformation. R. Pezzilli1, L. Calculli2, A. Barassi3, and G. Melzi d’Eril3. 1Pancreas Unit, Department of Digestive System; 2Department of Radiology, Sant’Orsola-Malpighi Hospital, Bologna, Italy; 3Department of Health Sciences, San Paolo Hospital, University of Milan, Italy.

P1-67
Menstrual and Reproductive Factors and Risk of Pancreatic Cancer in Women. A. Pourshams, M. Bagheri, R. Shakeri, and R. Malekzadeh. Digestive Oncology Research Center, Digestive Disease Research Institute, Tehran University of Medical Sciences, Tehran, Iran

P1-68
Sirtuin1 Promotes the Proliferation of Pancreatic Cancer Lesions. A.V. Pinho1,2, A. Mawson1, M. Giry-Laterriere1, A. Gill1, A.V. Biankin1, J. Wu1,2, and I. Rooman1,2. 1Cancer Division, Garvan Institute of Medical Research, Sydney NSW, Australia; 2St. Vincent’s Clinical School, UNSW Australia, Sydney NSW, Australia; 1University of Sydney, Sydney NSW, Australia; 4Wolfson Wohl Cancer Research Centre, University of Glasgow, Glasgow, Scotland

P1-69
SBP-101 Induces Apoptosis in Mouse Pancreatic Acinar Cells and Inhibits Polyamines Induced Proliferation. A. Sareen1, A. Saluja1, A. Shah1, R. Dawra1 1Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis MN; 2Sun BioPharma, Inc., Williston, FL.

P1-70

P1-71
Circulating Histones Target Acinar Cells and Exacerbate Injury in Experimental Acute Pancreatitis. P. Szatmary1, T. Liu1, S. Abrams1, L. Wen1, W. Huang1, G. Wang2, C.H. Toh3, D. Criddle3, A. Tepkin3, and R. Sutton1. NIHR Liverpool Pancreas Biomedical Research Unit and Department of Blood Sciences, Royal Liverpool and Broadgreen University Hospital NHS Trust, Liverpool, UK; 1Dept. of Cellular and Molecular Physiology, University of Liverpool, Liverpool, UK

P1-72
Pattern of Infective Complications in Human Acute Pancreatitis. P. Szatmary1, W. Huang1, D. de la Iglesia-Garcia2, S. Parentel1, G. Primo1, W. Greenhal1, and R. Sutton1. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, UK; 1Department. of Gastroenterology and Hepatology, University Hospital of Santiago de Compostela, Spain.

P1-73

P1-74
Pancreatic Cancer Patients Express Elevated FVIII Levels and Metastasis-associated Fibrin Turnover Prior to Their Diagnosis. H. Seppänen3, N. Varkila1, C. Haglund2, and R. Lassila3 3Department of Surgery; 3Department of Hematology, Comprehensive Cancer Center, Helsinki University Hospital, 1University of Helsinki, Finland

P1-75
P1-76
Up-regulation of CXCR2 and its Ligands in Severe Acute Pancreatitis. A. Purohit, S. Kumar, S. Kaur, S. Rachagani, M.Varney, S.K. Batra, R.K. Singh. Buffett Cancer Center, Department of Pathology and Microbiology, Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE

P1-77
Increased Visceral Unsaturated Triglycerides(UTG) Result in Severe Acute Pancreatitis(SAP) in Diet Induced Obesity(DIO). K. Patel, A. Singh, P. Noel, R. Trivedi, C. de Oliveria, and V.P. Singh. Department of Medicine, Mayo Clinic, Scottsdale, Arizona

P1-78
Is “Chronic” Long-term Intervention with Micronutrient Anti-Oxidant Therapy Required to Modulate the Disease Course of Chronic Pancreatitis? S.N. Rupasinghe, A.K. Siriwardena. Hepatobiliary Surgical Unit, Manchester Royal Infirmary, UK.

P1-79
Branched Duct Intraductal Papillary Mucinous Neoplasm (BD-IPMN) of Pancreas in Solid Organ Transplant Patients - A Single Tertiary Center Experience. G. Trikudanathan, U. Barlass, M.A. Arain, S.K. Amateau, R. Attam, M.L. Freeman, S. Mallery. GI Division, Department of Medicine, University of Minnesota.

P1-80
The Endoscopic Diagnosis and Treatment of Mass-type Autoimmune Pancreatitis. B. Xiao, K. Jiang, J. Wu, W. Gao, J. Chen, J. Wei, F. Guo, Z. Lu, Y. Miao. Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China

P1-81
Insights into the Biochemical Behavior of Full length Human HP1γ, an Epigenetic Regulator Downstream of KRAS. G. Velez, M. Lin, W. A. Faubion, T. Christensen, G. Lomberk, and R. Urrutia. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Biophysics, Biochemistry and Molecular Biology, Mayo Clinic, Rochester, MN

P1-82

P1-83
Increased Neuroendocrine Heterogeneity in Pancreatic Ductal Adenocarcinoma is Associated with more Aggressive Biology. P.J. Worth, A.S. Farrell, J.M. Link, Z.P. Jenny, E.W. Gilbert, B.C. Sheppard, R.C. Sears. The Brenden-Colson Center for Pancreatic Care, Oregon Health & Science University, Portland, Oregon

P1-84
Use of Lifetime Drinking History (LDH) to Stratify Alcohol Exposure in Chronic Pancreatitis (CP) Patients. D. Yadav, B. Sandhu, S. Al-Kaade, Y. Tian, N. Guda, A. Gelrud, R. Brand, A. Slivka, C. Wilcox, and D. Whitcomb for the NAPS2-consortium, USA

P1-85
Extracellular Matrix Modulation Therapy of Pancreatic Cancer by 4-methylumbelliferone and 5-fluorouracil. E. Yoshida, D. Kudo, H. Nagase, A. Suto, T. Wakiya, K. Ishido, Y. Toyoki, K. Hakamada. Gastroenterological Surgery, Hirosaki University, Graduate School of Medicine, Hirosaki, Aomori, Japan

P1-86
Minnelide Treats Pancreatic Ductal Adenocarcinoma via Disrupting Tumor-Stroma Interactions. X. Zhao,1 S. Modi,1 O. McGinn,1 P. Dauer,1 V. Dudeja,1 S. Banerjee,1 A Saluja1 1Department of Surgery, University of Minnesota, Minneapolis, MN

P1-87
DPYSL3 Variant 1 Regulates Cell Survival in Pancreatic Cancer. S. Chowdhury1, M. Ali1, D. Maroni2, N. Woods2 and S.P. Thayer1. 1Department of Surgery, Fred and Pamela Buffett Cancer Center at University of Nebraska Medical Center, Omaha, Nebraska; 2Eppley Institute, University of Nebraska Medical Center, Omaha, Nebraska

P1-88
Verification of the Utility of International Consensus Guidelines 2012 for the Management of IPMN and MCN of the Pancreas. J. Akao1, K. Shimizu1, T. Ajihara1, K. Nagao1, J. Tahara1, Y. Takayama1, K. Shiratori1, M. Yamamoto2, T. Furukawa3,1 Department of Gastroenterology; 2Gastroenterological Surgery; 3Institute for Integrated Medical Science, Tokyo Women’s Medical University, Tokyo, Japan

P1-90 The Effect of Cystathionine-Gamma-Lyase Gene Deletion on the Renin-Angiotensin System in Caerulein-Induced Acute Pancreatitis in Mice. R.R. Gaddam1, A. Badie, S.T. Chambers1, I. Ishii1, M. Bhatia1. 1Department of Pathology, University of Otago, Christchurch, New Zealand; 2Department of Biochemistry, Graduate School of Pharmaceutical Sciences, Keio University, Tokyo, Japan

P1-91 Inhibition of Hedgehog Pathway in 2D and 3D Co-cultures of CAFs and PDAC Cell Lines. S. Brumskill1,2, L. Barrera3, F. Campbell3, C. Halloran3, W. Greenhalf4, Christina Ghirelli4, R. Sutton5, M.-A. Campbell6, E. Costello7, Liverpool NWCR Centre, Molecular and Clinical Cancer Medicine; 2NIHR Pancreas Biomedical Research Unit; 3Department of Pathology, Royal Liverpool University Hospital, UK; 4Redx Oncology, UK.

P1-92 Mechanistic Studies in the Inflammatory Response of Pancreatitis and Pancreatic Cancer - Role of Myeloid Derived Suppressor Cells. N. Cieza-Rubio1, T. Jie1, and R.L. Heimark1. 1Department of Surgery, University of Arizona, Tucson, Arizona; 2University of Arizona Cancer Center, Tucson, Arizona

P1-93 Oncolytic Adenovirus for Radioiodine Therapy of Pancreatic Cancer. B. Eidenschink1, J. Sell1, C. LaRocca1, K. Jacobsen1, M. Fernandez-Zapico2, J. C. Morris2, M. Yamamoto3, and J. Davydova3. 1Department of Surgery, University of Minnesota, Minneapolis, Minnesota; 2Mayo Clinic, Rochester, Minnesota.

P1-94 NFATc1-Dependent Downregulation of GLI1 Underlies Polyunsaturated Fatty Acids Cytotoxic Properties in Pancreatic Cancer. A. Comba1,2, M.E. Pasqualini2, E. Iguchi1,2, M.V. Messler1, R. Silva3, M.G. Fernandez-Barrena1, E.J. Tolosa1, E. Enriquez-Hesles1, A.L. Vrabel1, L.L. Almada1, D.L. Marks1, B. Botta1, L Di Martellino1, V. Ellenrieder1, A.R. Eynard2, M.E. Fernandez-Zapico1. 1Schulze Center for Novel Therapeutics, Mayo Clinic, Rochester, MN, USA; 2INICSA, CONICET and Universidad Nacional de Córdoba, 5000 Córdoba, Argentina; 3Department of Molecular Medicine, Sapienza University, 00161 Rome, Italy; 4Department of Gastroenterology and Gastrointestinal Oncology, University Medical Center Goettingen, Goettingen, Germany

P1-95 Wnt-mediated Autophagy is Inhibited by Pigment Epithelium-Derived Factor. J. Gong1,2, G.S. Belinsky1,2, U. Sagheer1,2, A. Rhim2, and C. Chung1,2. 1Sections of Digestive Diseases; Endocrinology, Department of Medicine, Yale University School of Medicine, New Haven, Connecticut; 2Veterans Affairs Connecticut Healthcare System, West Haven, Connecticut; 3Department of Molecular Medicine, Sapienza University, 00161 Rome, Italy; 4Division of Hepato-biliary Pancreatic and Transplant Surgery; 5Division of Matrix Biology, Mie University, Tsu, Mie, Japan.

P1-96 Intratumoral Expression of Tenasin C is a Potential Surrogate Marker for Histological Effect of Chemoradiotherapy in Locally Advanced Pancreatic Cancer Patients. A. Hayasaki1, Y. Murata1, M. Usui1, M. Kishiwada1, S. Mizuno1, H. Sakurai1, T. Yoshida2, S. Isaji1. 1Division of Hepato-biliary Pancreatic and Transplant Surgery; 2Division of Matrix Biology, Mie University, Tsu, Mie, Japan.

P1-97 Continuous Glucose Monitoring Following Total Pancreatectomy and Islet Autotransplantation. J.M. Jimenez-Vega1, D.A. Elder1, R.S. Chima2, M. Abu-El-Haija1, J. Palermo2, L.N. Hornung2, J.D. Nathan2. 1Division of Endocrinology, Cincinnati Children’s Hospital Medical Center/University of Cincinnati, Cincinnati, OH; 2Division of Critical Care Medicine, Cincinnati Children's Hospital Medical Center/University of Cincinnati, Cincinnati, OH; 3Division of Gastroenterology, Hepatology & Nutrition, Cincinnati Children’s Hospital Medical Center/University of Cincinnati, Cincinnati, OH; 4Division of Biostatistics and Epidemiology, Cincinnati Children’s Hospital Medical Center/University of Cincinnati, Cincinnati, OH; 5Division of Pediatric, General and Thoracic Surgery, Cincinnati Children’s Hospital Medical Center/University of Cincinnati, Cincinnati, OH.

P1-98 Pancreatectomy with Artery-first Approach for Borderline Resectable Pancreatic Cancer: Surgical Technique to Secure Negative Tangential Margins and its Outcome. Y. Kawabata, and Y. Tajima. Department of Digestive and General Surgery, Shimane University Faculty of Medicine, Japan.
Gremlin Mediates Pro-fibrogenic Activity of TGF-β in Chronic Pancreatitis. K. Liu, Y. Cao, and T.C. Ko. Department of Surgery, University of Texas, Houston, Texas.

Impact of Comorbidity on the Natural History of Pancreatic Cystic Neoplasms – A Competing Risk Analysis. K Kwok¹, B Wu¹. ¹Center for Pancreatic Care, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA

IL-8 and HGF in Predicting Development of Severe Acute Pancreatitis (SAP). O. Lindström¹, A. Penttilä¹, K. Kuuliala², H. Mustonen¹, P. Puolakkainen¹, A. Kuuliala², M. Salmi², M. Hämäläinen⁴, E. Moilanen⁴, H. Repo⁴, L. Kylänpää¹. ¹Department of GI Surgery; ²Department of Bacteriology and Immunology, Helsinki University Hospital and University of Helsinki, Helsinki, Finland; ³Department of Medical Microbiology and Immunology, University of Turku, Turku, Finland; ⁴The Immunopharmacology Research Group, University of Tampere, Tampere, Finland


Pancreatic Insulinoma: Diagnosis and Surgical Management of 33 cases. J. Wei¹, X. Liu¹, W. Xu¹, K. Jiang¹, C. Dai¹, Z. Zhang², and Y. Miao¹. ¹Pancreas Center, the First Affiliated Hospital of Nanjing Medical University, Nanjing, China; ²Department of Pathology, the First Affiliated Hospital of Nanjing Medical University, Nanjing, China.

Plasma DNA genotyping using Digital PCR for Early Detection of Pancreatic neoplasm. Y. Mizukami, Y. Ono, H. Karasaki, M. Ogata, T. Kono, K. Nagashima. Center for Clinical and Biomedical Research, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan

Impact of National Pancreas Foundation’s (NPF) Animated Pancreas Patient (APP) Metrics on Pancreas Education and Awareness Nation and World Wide. S. Munigala¹, J. Holt², T. Gardner MD³, and M. Alsante³. A Gelrud MD³. ¹St. Louis University, St. Louis, MO; ²National Pancreas Foundation, Bethesda, MD

A Single p53 Mutation May Predict Survival in Intraductal Papillary Mucinous Neoplasms of the Pancreas. J. Nicholson¹, N. Howes¹, S. Harrison¹, T. Hanna¹, L. Yan¹, B. Lane¹, E. Garner¹, K. Bullock², C. Halloran³, P. Ghaneh³, R. Sutton¹, F. Campbell¹, M. Büchler², J. Neoptolemos¹, W. Greenhalf³. ¹Liverpool Pancreas Biomedical Research Unit, Liverpool, UK; ²Department of General Surgery, University of Heidelberg, Heidelberg, Germany

Mechanism Of Necroptosis In Mouse Experimental Acute Pancreatitis. J. Louhimo¹, M.L. Steer². ²Department of Surgery, University of Helsinki, Helsinki, Finland; ³Department of Surgery, Tufts Medical Center and Tufts University School of Medicine, Boston, MA.

Overexpression of DCLK1 in Pancreatic Cancer Cells Supports Tumorigenesis, Invasiveness, and Stemness. D. Qu, N. Weygant, W. Berry, R. May, P. Chandrakesan, S. M. Sureban, C. W. Houchen. Department of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

Gli2 Protein is a Precision Marker for the Canonical Hedgehog Signaling in Pancreatic Tumor. J. Sasajima¹, Y. Sugiyama¹, T. Kawamoto¹, K. Koizumi¹, H. Karasaki¹, Y. Mizukami¹. ¹Division of Gastroenterology and Hematology/Oncology, Department of Medicine, Asahikawa Medical University, Asahikawa, Japan; ²Center for Clinical and Biomedical Research, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan
POSTER SESSIONS THURSDAY

P1-111
Cadmium Induced Transformation Leads to Pancreatic Cancer. W. Yu1, Y. Ma1, R.K. Srivastava,*1 S Shankar,*1 2Kansas City VA Medical Center, 4801 Linwood Boulevard, Kansas City, MO, 66128, USA; 2Department of Pathology, School of Medicine, University of Missouri-Kansas City, Kansas City, MO

P1-112
In Vivo Imaging of Non-Radioactive Near Infra-Red 2-Deoxyglucose During Mild and Severe Acute Pancreatitis (AP) in Rats. C. de Oliveira, K. Patel, P. Noel, R. N. Trivedi, A. Singh, V.P. Singh. Department of Medicine, Mayo Clinic - Arizona, Scottsdale, Arizona.

P1-113
Fisetin, A Flavonol, has Limited Inhibitory Effect on Human Pancreatic Cancer Cells. S H Lee1, N Kim2, J H Son1, D K Jang1, J W Lee1, J K Ryu1, Y Kim1. 1Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea; 2Asan Institute for Life Sciences, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea.

P1-114
Problems in the Diagnosis of Pancreatic Neuroendocrine Tumors (PNETs) in Clinical Practice. Y. Takayama,1 K. Shimizu,1 M. Yamamoto,2 T. Furukawa.1 1Department of Internal Medicine; 2Department of Surgery, Institute of Gastroenterology; 3Institute for Integrated Medical Sciences, Tokyo Women's Medical University, Tokyo, Japan

P1-115
Role of Mitochondria Dynamics During Selective Autophagy Induced by Acute Pancreatitis. V. Vanasco, D. Grasso, S. Alvarez, and M.I. Vaccaro. Institute of Biochemistry and Molecular Medicine (UBA-CONICET), School of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina.

P1-116
Using Affymetrix Gene Chip, Screening the Biomarkers to Evaluate the Severity of Acute Pancreatitis in the Early Stage. W.W. Chen1,2, L.H. Deng1, X.X. Zhang1, N. Shi1, Y. Ma1, X.N. Yang1, and Q. Xia1. 1Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, Sichuan University, Chengdu, Sichuan Province, China; 2Department of Gastroenterology, Northern Jiangsu People's Hospital, Yangzhou, Jiangsu Province, China

P1-117
Activating Transcription Factor 3 Promotes De-differentiation of Acinar Cells During Cerulein-induced Pancreatitis in Mice. C.C. Young, and C.L. Pin; Departments of 1Paediatrics, 2Physiology and Pharmacology, and 3Oncology, University of Western Ontario, 4Children's Health Research Institute, London, Ontario, Canada

P1-118
Incidence of Tumor Multicentricity in Patients with Ductal Adenocarcinoma of the Pancreatic Head. A. Andreou1, T. Denecke2, F. Klein1, J. Pratschke1, and M. Bahra1. 1Department of General, Visceral and Transplantation Surgery, Charité - Campus Virchow-Klinikum, Berlin, Germany; 2Department of Diagnostic and Interventional Radiology, Charité - Campus Virchow-Klinikum, Berlin, Germany

P1-119
Does a Pancreatic Duct Above 3 mm Warrant Diagnostic Workup? Clues From a Population Based Cohort. G. Beyer1, F. Kasprovicz1, A. Aghdassi1, H. Völkze2, T Kohlmann2, M.M. Lerch1, J. Kühn1, J. Mayerle1. 1Department of Medicine A; 2Department of Community Medicine; 3Center of Radiology; University Medicine, Ernst-Moritz-Arndt-University, Greifswald, Germany

P1-120
The Transcription Factor TFEB Supports Pancreatic Cancer Cell Growth. B. Marchand, D. Arsenault, M.J. Boucher. Gastroenterology Unit, Dept. of Medicine, Univ. of Sherbrooke, Sherbrooke, Canada

P1-121
P1-122

P1-123
The Role of Prolactin and its Cognate Receptor in Pancreatic Cancer Progression. A. Criscimanna,1 M. Socorro,1 M. Tandon,1 A. Singh,1 F. Esni,1 Departments of 1Surgery; and 2Pathology; 1University of Pittsburgh Cancer Institute, University of Pittsburgh, Pittsburgh, PA.

P1-124
Morphine analgesia Worsens Chronic Pancreatitis in Mice. J. George, U. Barlass, A. Dixit, Z. Yuan, A. Sareen, S.K Garg, V. Dudeja, R. Dawra, S. Roy, and A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis MN

P1-125
Endosomal Regulatory Protein D52 Specifically Interacts with the Autophagy Protein ATG16L1 Beta Isoform to Induce Autophagy in Acinar Cells. M. Cooley, S.W. Messenger, D.D.H. Thomas, G.E. Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI

P1-126
Surgical Resection for Adenosquamous Carcinoma of the Pancreas. T. Ito, T. Sugiura, Y. Okamura, Y. Yamamoto, R. Ashida, and K. Uesaka. Division of Hepato-Biliary-Pancreatic Surgery, Shizuoka Cancer Center, Shizuoka, Japan

P1-127
Long-term Outcomes and Prognostic Factors in 78 Japanese Patients with Advanced Pancreatic Neuroendocrine Tumors: A Single-center Retrospective Study. L. Lee1, T. Ito1, H. Igarashi1, K. Kawabe1, Y. Oda2, and R.T. Jensen3. 1Department of Medicine and Bioregulatory Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; 2Department of Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; 3Digestive Diseases Branch, National Institutes of Diabetes, Digestive and Kidney Diseases, National Institutes of Health, Bethesda, Maryland.

P1-128
P1-134
The Impact of Curative Resection for Pancreatic Adenocarcinoma with Lymph Node Metastasis Status. A. Miki, Y. Sakuma, H. Sasanuma, M. Koizumi, K. Endo, and N. Sata. Department of Surgery, Jichi Medical University, Tochigi, Japan.

P1-135
Thrombin-Dependent Pathways Drive Pancreatic Ductal Adenocarcinoma Disease. Y. Yang1, C.L. Rewerts2, M.J. Flick2, and S.F. Konieczny1. Department of Biological Science & the Purdue Center for Cancer Research, Purdue University, West Lafayette, Indiana; 1Division of Experimental Hematology & Cancer Biology, Cincinnati Children’s Hospital, Cincinnati, Ohio.

P1-136
Islet Neogenesis Associated Protein (INGAP) Protects β-cells from Cytokine-induced Toxicity. E. Nano, and L Rosenberg. Department of Surgery, McGill University, Montréal, Quebec, Canada.

P1-137
Acute Pancreatitis is Diminished by a Pre-treatment with the Hepatocyte Growth Factor in a Mouse Model. M. Palestino-Dominguez1, M. Peléz-Luna2, R. Lazzarini3, L.E. Gomez-Quiroz4, J. Marquardt4, and M.C. Gutierrez-Ruiz1. Department of Health Sciences, Universidad Autonoma Metropolitana-Iztapalapa, Mexico City, Mexico; 2Department of Gastroenterology, INCQNSZ, Mexico City, Mexico; 3Department of Biologie of Reproduction, Universidad Autonoma Metropolitana-Iztapalapa, Mexico City, Mexico; 4Department of Internal Medicine, Johannes Gutenberg University I, Mainz, Germany.

P1-138
βIII-Tubulin Regulates Sensitivity to Nab-Paclitaxel (Abraxane®) in Pancreatic Cancer. G. Sharbeen1, J. McCarroll2,3, J. Liu1, J. Youkhana1, D. Goldstein1, M. Kavallaris2,3, and P. Phillips1,3. 1Pancreatic Cancer Translational Research Group, Lowy Cancer Research Centre, UNSW Australia, Sydney, Australia; 2Children’s Cancer Institute, Lowy Cancer Research Centre, UNSW Australia; 3Australian Centre for NanoMedicine, UNSW Australia.

P1-139
RCAD is a Key Post-Translational Modification for the Proper Sorting of Digestive Enzymes and the Secretory Function of the Exocrine Pancreas. M.E. Sabbatini1, Y. Cai1, and H. Li1. 1Department of Biological Sciences, Georgia Regents University, Augusta, Georgia; 2Department of Biochemistry and Molecular Biology, Georgia Regents University, Augusta, Georgia.

P1-140
Dual PI3K/mTOR Inhibitors Induce Rapid Over-Activation Of The MEK/ERK Pathway In Human Pancreatic Cancer Cells Through Suppression of mTORC2. HP Soares, Q Xu, SH Young, J Sinnet-Smith, E Rozengurt. Division of Hematology-Oncology and Division of Digestive Diseases, Department of Medicine, David Geffen School of Medicine; CURE: Digestive Diseases Research Center, University of California at Los Angeles.

POSTERS OF DISTINCTION | FRIDAY, NOVEMBER 6

P2-1
Using a Combination of Molecular and Clinical Features to Improve the Classification of Pancreatic Cysts: a Multicenter Retrospective Study. S. Springer1,2, Y. Wang1,2, M. Dal Molin1,2, D.L. Masica1,2,4,10, Y. Jiao1,2, I. Kinde1,2, A. Blackford1, S.P. Raman1, C.L. Wolfang2,8, T. Tomita4,10, N. Niknafs4,10, C. Douville4,10, J. Ptak1,2, L. Dobbyn1,2, P.J. Allen1, D.S. Klimstra2, M.A. Schattner3, C.M. Schmidt1, M. Yip-Schneider5, O.W. Cummings5, R.E. Brand6, H.J. Zeh7, A.D. Singh8, A. Scarpa9,20, R. Salvia21, G. Malleo21, G. Zamboni22,23, M. Falconi23, J. Jang24, S. Kim25, W. Kwon25, S. Hong30,4, K. Song26, S.C. Kim26, N. Swan27, J. Murphy27, J. Geoghegan28, W. Brugge29, C. Fernandez-Del Castillo30, M. Mino-Kenudson31, R. Schulick32, B.H. Edil32, V. Aksay32, J. Paulino34, J. van Hooft35, S. Yachida36, S. Nara36, N. Hiraoka36, K. Yamada37, S. Hijioka37, S. van der Merwe36, M. Goggins2,8,9, M.I. Canto9, N. Ahuja9, K. Hirose9, M. Makary10, M.J. Weiss10, J.L. Cameron11, M. Pittman12,3, J.R. Eshleman12, L.A. Diaz12,8, N. Papadopoulos12, K.W. Kinzler12, R. Karchin2,8,10, R.H. Hruban12,2,10, B. Vogelstein12,10, A.M. Lennon2,7,9. The Ludwig Center and Howard Hughes Medical Institute at the Sidney Kimmel Cancer Center,1 The Sol Goldman Pancreatic Cancer Research Center,2 the Departments of Pathology3, Biomedical Engineering4, Biostatistics and Bioinformatics5, Radiology5, Surgery5, Oncology6, Medicine7, The Johns Hopkins Medical Institutions and the Institute for Computational Medicine8, The Johns Hopkins University, Baltimore, MD, USA. The Departments of Surgery9, 10, Pathology9, and Gastroenterology11, Memorial Sloan-Kettering Cancer Center. The Department of Surgery12, 13, and Pathology14, University of Indiana. The Department of Medicine15, Surgery15 and Pathology15, University of Pittsburgh. ARC-Net Research Centre and Department of Pathology and Diagnostics16, University and Hospital Trust of Verona, Italy. Department of Pathology17, General Surgery B, University and Hospital Trust of Verona, Italy. Department of Surgery18, University and Hospital Trust of Verona, and the Department of Pathology21, Ospedale Sacro Cuore-Don Calabria, Negrar, Italy. Division of Pancreatic Surgery, Department of Surgery23, IRCCS San Raffaele Scientific Institute, Milan, Italy. The
P2-2
Lymphotoxin Accelerates Pre-neoplastic Conversion in Pancreatic Tumorigenesis by Promoting Acinar Cell Reprogramming. G. Seleznik\textsuperscript{1,*}, T. Reding\textsuperscript{1,*}, E. Diamantis\textsuperscript{1}, A. Perren\textsuperscript{1}, M. Heikenwälder\textsuperscript{2}, R. Graf\textsuperscript{1}. \textsuperscript{1}Visceral & Transplantation Surgery, University Hospital Zurich, Switzerland; \textsuperscript{2}Institute for Virology, Helmholtz-Centre Munich, Germany; \textsuperscript{1}Institute of Pathology, University of Bern, Switzerland

P2-3
Direct Chemical Inhibition of Nuclear Factor κB only Ameliorates Local Pancreatic but not Remote Lung Inflammation via Up-regulating Pancreatitis Associated Protein 1. C. Ulrich\textsuperscript{*}, Z. Yuan\textsuperscript{*}, J. George, U. Barlass, S. Garg, A. Sareen, A. K. Dixit, R. K. Dawra, A. K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota Medical School, Minneapolis, MN, USA.\textsuperscript{*}Equal contribution.

P2-4

P2-5
Smoking Worsens the Fibrosis of Alcoholic Chronic Pancreatitis via Activation of Pancreatic Stellate Cells. Z. Xu\textsuperscript{1,2}, S. Pothula\textsuperscript{1,2}, S. Pandol\textsuperscript{3,4}, R.C. Pirola\textsuperscript{1,2}, J.S. Wilson\textsuperscript{1,2}, M.V. Apte\textsuperscript{1,2}. \textsuperscript{1}Pancreatic Research Group, SWS Clinical School, UNSW and \textsuperscript{2}Ingham Institute, Sydney, Australia and \textsuperscript{3}Cedars Sinai Medical Center, USA

P2-6
Prognostic Scoring System for Patients who Present with Gastric Outlet Obstruction Due to Advanced Pancreatic Adenocarcinoma. T. Sugiu, Y. Okamura, T. Ito, Y. Yamamoto, R. Ashida, and K. Uesaka. Division of Hepato-Biliary-Pancreatic Surgery, Shizuoka Cancer Center, Shizuoka, Japan

P2-7
Epigenetic Regulation of Mitotic Cell Division in Pancreatic Cancer Cells by a Novel EGFR-RAF-MEK-ERK-Aurora B-HPLα Pathway. M. Williams, A. Mathison, J. Willenborg, G. Lomberk and Raul Urrutia. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Biophysics, Biochemistry and Molecular Biology, Mayo Clinic, Rochester, MN

P2-8
Extended Pancreatectomies in Locally Advanced Pancreatic Cancer: Are there any Limits? W. Hartwig\textsuperscript{1,*}, A. Gluth\textsuperscript{1,*}, D. Koliogiannis\textsuperscript{1}, U. Hinz\textsuperscript{1}, T. Hackert\textsuperscript{1}, J. Werner\textsuperscript{1}, and M.W. Büchler\textsuperscript{1}. \textsuperscript{1}Department of Surgery, University of Heidelberg, Germany

P2-9
Defective Lysosomal Hydrolase Trafficking Causes Spontaneous Pancreatitis. E.T. Vegh\textsuperscript{1,2}, E.M. Lotshaw\textsuperscript{1}, N. Shalbueva\textsuperscript{1}, O.A. Mareninova\textsuperscript{1}, J.M. Elperin\textsuperscript{2}, S.W. French\textsuperscript{3}, P. Hegyi\textsuperscript{2}, Z. Rakonczay\textsuperscript{2}, I. Gukovsky\textsuperscript{2}, A.S. Gukovskaya\textsuperscript{2}. \textsuperscript{1}VA Greater Los Angeles Healthcare System and University of California at Los Angeles; \textsuperscript{2}First Department of Medicine, University of Szeged, Hungary; \textsuperscript{3}Harbor-UCLA Medical Center, Torrance, CA

P2-10

P2-11
P2-12
MMPs-7, -8, -9 and TIMP-1 in Acute Pancreatitis. E. Nukarinen1, O. Lindström2, K. Kuuliala2, L. Kylänpää2, V. Pettilä1, P. Puolakainen1, A. Kuuliala3, M. Härmäläinen4, E. Moilanen4, H. Repo1, J. Hästbacka1. 1Department of Anesthesiology and Intensive Care Medicine; 2Department of GI Surgery; 1Department of Bacteriology and Immunology, Helsinki University Hospital and University of Helsinki, Helsinki, Finland; 4The Immunopharmacology Research Group, University of Tampere, Tampere, Finland

P2-13
TFF2/SMAD4 Tumor Suppressor Signaling in Pancreatic Cancer is Regulated by Promoter Methylation
S. Chowdhury1, D. Klinkebiel2, J. Yamaguchi3, A.S. Liss3, and S.P. Thayer1. 1Department of Surgery, Fred and Pamela Buffett Cancer Center at University of Nebraska Medical Center, Omaha, Nebraska; 2Department of Biochemistry, Fred and Pamela Buffett Cancer Center at University of Nebraska Medical Center, Omaha, Nebraska; 3Andrew L. Warshaw Institute for Pancreatic Cancer Research, MGH, Boston, Massachusetts

P2-14

P2-15

P2-16
Angiogenic Signature Points to JAK/STAT and TGF-β as Therapeutic Targets in Pancreatic Cancer. J Gore,1,3 KE Craven,2 JL Wilson,1 M Kroc1,2,3. Departments of Medicine, and Biochemistry and Molecular Biology, Indiana University School of Medicine, and the 3Pancreatic Cancer Signature Center at Indiana University Simon Cancer Center, Indianapolis, IN 46202, USA.

P2-17
Chronic Pancreatitis: An International Multidisciplinary Survey and Case Vignette Study. Y. Issa1, H.C. van Santvoort1, P. Fockens2, M.G. Besselin1, T.L. Bollen2, M.J. Bruno4, and M.A. Boermeester1. 1Department of Surgery, Academic Medical Center, Amsterdam, The Netherlands; 2Department of Gastroenterology, Academic Medical Center, Amsterdam, The Netherlands; 3Department of Radiology, St Antonius Hospital, Nieuwegein, The Netherlands; 4Department of Gastroenterology, Erasmus Medical Center, Rotterdam, The Netherlands

Best of EPC: P2-18
Prognostic Score and Nomogram to Predict Overall Survival in Locally Advanced Pancreatic Cancer. D Vernerey1, D Goldstein2, F Huguet3, S Paget-Bailly4, J-L Van Laethem4, P Glémelus5, P Artru6, M. J. Moore7, T André8, L Mineur9, B Chibaudel10, C Louvet11, P Hammel11, F Bonnetain11; 1Methodological and Quality of Life in Oncology Unit, EA 3181, University Hospital of Besancon, France, 2Prince of Wales hospital and Prince of Wales Clinical school, UNSW, Australia, 3Service d’Oncologie Radiothérapie, Hôpital Tenon, Hôpitaux Universitaires Est Parisien, PARIS, France, 4Hôpital Erasme, Bruxelles, Belgium, 5Department of Radiology, Oncology and Radiation Science, Uppsala university, Sweden, 6Institut de Cancérologie, Hôpital privé Jean Mermoz, LYON, France, 7Princess Margaret Hospital, University Ave Toronto, Ontario Canada, 8Service d’Oncologie Médicale, Hôpital St Antoine, PARIS, France, 9Institut Ste Catherine, AVIGON, France, 10Département d’Oncologie Médicale, Institut Mutualiste Montsouris, PARIS, France, 11Service de Gastroentérologie, Hôpital Beaujon, CLICHY, France

Best of EPC: P2-19
CFTR loss of function after alcohol consumption and in alcoholic pancreatitis. J Maléth1, P Pallagi1, LV.Kemény1, Z Balla1, B Kui1, A Balázs1, L Judák2, I Németh3, Z Rakonczay Jr1, V Venglovecz2, L Ködés1, Á Somórácz2, K Borka3, D Perdomo4, GL Lukacs5, MA Gray6, S Monterisi7, M Zaccolo8, MM Lerch9, M Sahin-Töth10, P Hegyi1, 1First Dept. of Medicine, 2Pharmacology and Pharmacotherapy, 3Dermatology and Allergology, 4Laboratory Medicine, University of Szeged, Hungary, 2nd Department of Pathology, Semmelweis University, Budapest, Hungary, 5Department of Physiology McGill University, Montréal, Canada, 6Institute for Cell & Molecular Biosciences, Newcastle University, Newcastle upon Tyne, United Kingdom, 7Department of Physiology, Anatomy and Genetics, Oxford University, Oxford, United Kingdom, 8Department of Medicine A, University Medicine Greifswald, Greifswald, Germany, 9Department of Molecular and Cell Biology, Boston University Henry M. Goldman School of Dental Medicine, Boston, United States
POSTERS

P2-21
Elevated Intracellular Trypsin Activity Increased the Severity of Acute Pancreatitis and Promoted the Development of Chronic Pancreatitis in Transgenic Mice. X. Zhan1, G. Zhang1, Y. Wang1, Y. Zhang1, Y. Liu2, R.K. Dawra1, L. Zhang3, A. K. Saluja3, C.D. Logsdon4, Y. Bi5, B. Ji1. 1 Department of Biochemistry and Molecular Biology, Mayo Clinic, Rochester, Minnesota; 2 Department of Cancer Biology, University of Texas MD Anderson Cancer Center, Houston, Texas; 3 Division of Basic and Translational Research, Department of Surgery, University of Minnesota Medical School, Minneapolis, Minnesota; 4 Department of Pathology, Mayo Clinic, Rochester, Minnesota; 5 Department of Gastroenterology and Hepatology, Mayo Clinic, Rochester, Minnesota.

P2-22
Even Stage IIB Operated Pancreatic Ductal Adenocarcinoma (PDA) Can Achieve over 5 Year Survival: The Finnish Register Study 2000-2013 with Pathological Re-evaluation. R. Ahola1, A. Siiki1, K. Vasama2, J. Sand1, P. Laukkarinen1. 1 Dept of Gastroenterology and alimentary tract surgery, Tampere University Hospital, Tampere, Finland; 2 Dept. of Pathology, Fimlab Laboratories, Tampere University Hospital, Tampere, Finland

P2-23

P2-24
A Personal History of Pancreatic Cancer and Another Lynch-Related Cancer: A New Indication for Germline Genetic Panel Testing. B. Dudley1, F. Monzon1, A. Singh1, S. Lincoln2, N. Bahary2, and R. Brand2. 1 Department of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania; 2 Invitae Corporation, San Francisco, California

P2-25
Analysis of Novel Ciliate Lipases as Candidates for Enzyme Substitution in Pancreatic Exocrine Insufficiency. A. Brock1, I. Aldag2, S. Edskes2, M. Hartmann2, J. Schnenburger1. 1 Biomedical Technology Center of the Medical Faculty, University of Muenster, Germany; 2 Cilian AG, Muenster, Germany.

P2-26

P2-27
Gasotransmitters in Acute Necrotizing Pancreatitis: Friend or Foe? S. Chooklin, Ya. Pidhirnyy, S. Chuklin, O. Usach. Department of Surgery, Regional Clinical Hospital, Lviv, Ukraine

P2-28
The Role of Receptor Interacting Protein Kinase 1 (RIPK1) in Fatty Acid Ethyl Ester (FAEE)-Acute Pancreatitis. Y. Ouyang1, 2, L. Wen1, 2, J. Bertin1, P.J. Gough1, R. Mukherjee1, R. Sutton2, and D.N. Cridde1, 2. 1 Department of Cellular and Molecular Physiology, University of Liverpool, Liverpool, UK; 2 NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK

P2-29
Targeting the Tumor-associated Microenvironment: The Clinical Impact of Integrin Alpha 5 (ITGA5) in Patients with Pancreatic Ductal Adenocarcinoma. S.W.L. de Geus1, P.J.K. Kuppen1, H.A.J.M. Prevoor1, R.L. Vlierberghe1, J.S. Mieog1, B.A. Bonsing1, H. Moreau1, J.H. van de Velde1, A.L. Vahrmeijer1, C.F.M. Sier1. 1 Department of Surgery, University of Leiden, Leiden, The Netherlands; 2 Department of Pathology, University of Leiden, Leiden, The Netherlands.
POSTER SESSIONS FRIDAY

P2-30
Pancreatic Surgery Trends in the United States between 1998-2011. A. Dudekula1, S. Munigala2, A. H. Zureikat3, D. Yadav.1 Division of 1Gastroenterology and 2Surgical Oncology, University of Pittsburgh Medical Center, Pittsburgh, PA; 3Department of Internal Medicine, St. Louis University, MO

P2-31
TFII-I-Mediated Polymerase Pausing Antagonizes TGFβ Induction of the Pancreatic Oncogene GLI2. A.L. McCleary-Wheeler1,2, L.L. Almada1, D.L. Marks1, A.L. Vrabl1, R. Olson1, M.E. Fernandez-Zapico1 1Schulze Center for Novel Therapeutics, Mayo Clinic, Rochester, MN, USA; 2College of Veterinary Medicine, Cornell University, Ithaca, NY, USA

P2-32
GLI1-GLI2 Interaction Is Required for the Regulation of Collagen Gene Expression in Pancreatic Cancer-Derived Stellate Cells. A.L. McCleary-Wheeler1,2, M.G. Fernandez-Barrena3, E. Iguchi4, L.L. Almada1, D.L. Marks1, E.J. Tolosa1, E. R. Erkan1, R.F. Huang6, and M.E. Fernandez-Zapico1 1Schulze Center for Novel Therapeutics, Mayo Clinic, Rochester, MN, USA; 2College of Veterinary Medicine, Cornell University, Ithaca, NY, USA; 3Department of Surgery, Technical University of Munich, Munich, Germany; 4Department of Surgical Oncology, University of Texas MD Anderson Cancer Center, Houston, Texas. *These authors contributed equally to this work.

P2-33
PEDF Inhibits Pancreatic Tumorigenesis by Attenuating a Fibro-Inflammatory Reaction. D. Principe1, B. DeCant1, A. Diaz1, R. Mangan1, E. Wayne1, B. Jung1, B. Seekumar1, C. Chung2, D. Bentrem1, H. Munshi3, F. Bishehsari1, and P. Grippo1 1Department of Medicine, University of Illinois at Chicago, Chicago, Illinois; 2Department of Medicine, Yale University School of Medicine, New Haven, Connecticut; 3Department of Surgery, Northwestern University, Chicago, Illinois; 4Department of Medicine, Rush University Medical Center, Chicago, Illinois

P2-34

P2-35
Sex-specific Responses of the Corticotropin-releasing Factor (CRF) System in Exocrine Pancreas. B. Hasdemir1, J. A. Oses-Prieto2, A.L. Burlingame1, A. Bhargava1 1Department of Ob-Gyn and The Osher Center; 2Pharmaceutical Chemistry, University of California San Francisco

P2-36
Clinical and Biological Features of Patients of Acute Pancreatitis with Transient Organ Failure or Acute Peripancreatic Fluid Collection. W. Huang1, D. Iglesia-Garcia1, P. Szatmary1, L. Fleming-Bird1, K. Alfat1, Q. Nunes1, R. Mukherjee1, W. Greenhal1, M. Ratay1, and R. Sutton1. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK; Sichuan Provincial Pancreatitis Centre, Department of Integrated Traditional and Western Medicine, West China Hospital, Sichuan University, Chengdu, China

P2-37
Early Prediction of Persistent Organ Failure in Patients with Acute Pancreatitis. W. Huang1, P. Szatmary1, D. Iglesia-Garcia1, L. Fleming-Bird1, S. Parente1, G. Primo1, A. Agnew1, K. Alfat1, Q. Nunes1, R. Mukherjee1, W. Greenhal1, M. Ratay1, and R. Sutton1. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK; Sichuan Provincial Pancreatitis Centre, Department of Integrated Traditional and Western Medicine, West China Hospital, Sichuan University, Chengdu, China

P2-38
Clinical Analysis of Agalactosyl Immunoglobulin-G (IgG) in Chronic Pancreatitis (CP) Patients. T. Ito1, M. Hamano1, T. Kawai1, A. Ishimi1, Y. Tokuda1, C. Hibino1, M. Kato1, H. Saki1, K. Yamamoto1, M. Naito1, and E. Miyoshi2 1Japan Community Healthcare Organization, Osaka Hospital, Osaka, Japan; 2Department of Molecular Biochemistry and Clinical Investigation, Osaka University Graduate School of Medicine, Suita, Osaka, Japan

P2-39
Impact of EUS-FNA in the Assessment of Peri-Arterial Soft Tissue in Locally Advanced Pancreatic Cancer. N. Jamaluddin1, and R. Watson1. Department of Internal Medicine, UCLA Medical Center, Los Angeles, California; 2Division of Digestive Diseases, UCLA Medical Center, Los Angeles, California
P2-40

P2-41
Vascular Enhancement Pattern of Mass in Computed Tomography may Predict Chemo-Responsiveness in Advanced Pancreatic Cancer. J. Park, S. Kim, S. Jeong, D.H. Lee, H.J. Choi, J.H. Moon. Department of Internal Medicine, Inha University School of Medicine, Incheon, Korea; Department of Internal Medicine, SoonChunHyang University School of Medicine, Bucheon, Korea; Digestive Disease Center, CHA Bundang Medical Center, CHA University, Seongnam, Korea.

P2-42

P2-43

P2-44
Effect of Fetal Membrane-Derived Mesenchymal Stem Cell Transplantation in Rats with Acute and Chronic Pancreatitis. K. Kawakubo, O. Ohnishi, H. Fujita, M. Kuwantani, R. Onishi, A. Masamune, H. Takeda, and N. Sakamoto. Department of Gastroenterology and Hepatology, Hokkaido University Graduate School of Medicine, Sapporo, Japan; Laboratory of Pathophysiology and Therapeutics, Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo, Japan; Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan.

P2-45
Elevated Levels of IL-6 and IL-8 have Predictive Role in the Development of Respiratory Failure in Patients with Acute Pancreatitis. J. Samanta, S. Singh, R. Prasada, N. Dhaka, M. Ashat, S.K. Arora, S.K. Sinha, A.N. Aggarwal, V. Gupta, T.D. Yadav, R. Kochhar. Department of Gastroenterology; Department of Immunopathology; Department of Pulmonary medicine; Department of Surgery, Postgraduate Institute of Medical Education and Research(PGIMER) Chandigarh India; John H Stroger Hospital of Cook, Chicago, IL, United States.

P2-46
Jak2/STAT3 Inhibition Limits the Activation of Pancreatic Stellate Cells In Vitro. H.M. Komar, G. Serpa, T. Mace, O. Elnaggar, M. Bloomston, D. Conwell, G.B. Lesinski. Division of Medical Oncology; Division of Surgical Oncology, Department of Surgery; Division of Gastroenterology, Hepatology, & Nutrition, The Ohio State University Wexner Medical Center, Columbus, OH.

P2-47

P2-48
Quality of Life (QoL) after Pancreatoduodenectomy (PD) in Patients with Pancreatic Ductal Adenocarcinoma (PDA). I. Laitinen, J. Sand, P. Peromaa, I. Nordback, J. Laukkanen. Dept of Gastroenterology and Alimentary tract surgery, Tampere University Hospital, Finland.

P2-49
The Effect of an Integrated Health System Algorithm Based on 2012 International Consensus Guideline on the Local Practice Pattern for the Management of Pancreatic Cystic Neoplasms. A. Eskandari, E. Alonso, A. Ko, B. Lim. School of Medicine, University of California, Riverside, California; Department of Gastroenterology, Kaiser Permanente Riverside Medical Center, Riverside, California; Department of Surgery, Kaiser Permanente Riverside Medical Center, Riverside, California.

P2-50

P2-51
Exosomes Released from Pancreatic Carcinoma Cells Are Ca<sup>2+</sup> Regulated and Dependent on the SNARE- and Ca<sup>2+</sup>-binding Protein, Munc13-4. S.W. Messenger, T.F. Martin. Department of Biochemistry, University of Wisconsin, Madison, WI.
P2-52
Decreased Serum Thrombospondin-1 Levels in Pancreatic Ductal Adenocarcinoma Patients: An Early Indicator of Cancer or Diabetes Development? C. Jenkinson1,2, V.L. Elliott1,3, A. Evans1,2, L. Oldfield1,2, J.F. Timms1,3, A. Gentry-Maharaj1, U. Menon1, T. Cox1, F. Campbell1, R. Sutton2, S.P. Pereira1, D.A. Tuveson3, W. Greenhalf1,2, J.P. Neoptolemos1,2 and E. Costello1,2. 1Department of Molecular and Clinical Cancer Medicine, University of Liverpool, UK; 2National Institute for Health Research Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, UK; 3Department of Women’s Cancer, Institute for Women’s Health, University College London, UK; 4Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA.

P2-53
Effects of LC3 Overexpression on Pancreatic Acinar Cell Homeostasis and Pancreatitis Responses O.A. Mareninova1, W. Jia1, J.M. Elperin1, E.M. Lotshaw1, M. Pimienta1, G.E. Groblewski1, A.S. Gukovskaya1, I. Gukovsky1. 1VAGLAHS & University of California Los Angeles.; 2Beijing Hospital, Beijing, China; 3University of Wisconsin, Madison, Wisconsin

P2-54
Pancreatic Ductal Adenocarcinoma without High-grade Pancreatic Intraepithelial Neoplasia (PanIN) may Develop Via a Pathway other than PanIN-carcinoma Sequence. T. Miyazaki1,2, Y. Ohishi1, Y. Miyasaka2, K. Ozono1,2, A. Abe1,2, N. Mochidome1,2, K. Saeki1,2, E. Nagai2, Y. Oda1, and M. Nakamura2. 1Department of Anatomical Pathology, Kyushu University, Fukuoka, Japan; 2Department of Surgery and Oncology, Kyushu University, Fukuoka, Japan

P2-55
DPYSL3 Variant 1 Regulates Cell Survival in Pancreatic Cancer. S. Chowdhury1, M. Ali1, D. Maroni1, N. Woods2 and S.P. Thayer1. 1Department of Surgery, Fred and Pamela Buffett Cancer Center at University of Nebraska Medical Center, Omaha, Nebraska; 2Eppley Institute, University of Nebraska Medical Center, Omaha, Nebraska

P2-56

P2-57
Investigating Gemcitabine-loaded Superparamagnetic Iron Oxide Nanoparticles against Pancreatic Cancer Cells in Artificial Circulation. S. Nandi1, P.D. Sykes1, E. Hasan2, M. Barrow2, E. Costello1, M.J. Rosseinsky2, J.A. Hunt1, C.M. Halloran1. 1NIHR Liverpool Pancreas Biomedical Research Unit; 2Department of Chemistry, University of Liverpool, UK; 3Department of Musculoskeletal Biology, University of Liverpool, UK.

P2-58
The Current Management of Mucinous Cystic Neoplasms (MCN) of the Pancreas. A Systematic Review L.N. Nilsson1, A. Antila2, J. Millastre Bocos3, M.M. Marijnissen Van Zanten4, A. Shamali5, C. Verdejo Gil6, M.G. Keane1, J. Laukkarinen1, M. Del Chiaro7. 1Department of Surgery, Karolinska University Hospital, Sweden; 2Department of Surgery, Tampere University Hospital, Finland; 3Miguel Servet University Hospital, Zaragoza, Spain; 4Nijmegen University Hospital, Netherlands; 5Southampton University Hospital, United Kingdom; 6Ciudad Real University Hospital, Spain; 7Institute for Liver and Digestive Health, University College London, United Kingdom

P2-59

P2-60

P2-61
Potential Biomarkers of Pancreatic Ductal Adenocarcinoma-Related Diabetes. L. Oldfield1, C. Jenkinson1, T. Purewal1, R. Sutton1, J.P. Neoptolemos1, W. Greenhalf1 and E. Costello1. National Institute for Health Research, Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, UK; 2Department of Diabetes and Endocrinology, Royal Liverpool University Hospital
P2-62
Examining the Effect of Anacardic Acid Alone or in Combination with Chemotherapeutics on Pancreatic Cancer Cells. M. Park1, M.M. Blackmon1, S. Craver1, V.S. Eversole2, and D. Upton3. 1Kentucky College of Osteopathic Medicine, University of Pikeville, Pikeville, Kentucky; 2Department of Biology, University of Pikeville, Pikeville, Kentucky; 3Department of Chemistry, University of Pikeville, Pikeville, Kentucky

P2-63
A Non Dilated Main Pancreatic Duct Predicts AIP: A Comparison Study of Resected Focal AIP, Chronic Pancreatitis and Pancreatic Adenocarcinoma. C Medina1, M. Peláez-Luna2, L. Uscanga1, C. Chan3, E. Negrete1, A. Ángeles3. 1Department of Surgery, 2Department of Pathology, INCMNSZ, 3Research Division, School of Medicine, UNAM, Mexico City.

P2-64

P2-65
Pancreatic Cancer: Stromal Re-programming Offers a Novel Therapeutic Approach. S. Pothula, Z. Xu, D. Goldstein, R. Pirola, J. Wilson, M. Apte. Pancreatic Research Group, South Western Sydney Clinical School, Ingham Institute for Applied Medical Research and the Faculty of Medicine, The University of New South Wales, Sydney, Australia.

P2-66
Comparison of different classification tools for the diagnosis of chronic pancreatitis. Y. Issa1, U. Ahmed Ali1, S. van Dieren1, H.C. van Santvoort1, M.A. Boermeester1. 1Department of Surgery, Academic Medical Center, Amsterdam; 2Department of Surgery, University Medical Center Utrecht, Utrecht

P2-67
The Prognostic Influence of Intrapancreatic Tumor Location on Survival after Resection of Pancreatic Cancer. D.A. Ruess1, S. Chikhladze1, O. Sick1, H. Riediger2, U.T. Hopt1, F. Makowiec1, A. Wittel1. 1Department of Surgery, University of Freiburg, Germany; 2Department of Surgery, Vivantes-Humboldt-Clinic, Berlin, Germany

P2-68
Use Of Oncolytic Adenovirus Expressing IFN-α To Treat Pancreatic Cancer. A. Salzwedel, C. LaRocca, J. Davydova, and M. Yamamoto. Department of Surgery, University of Minnesota, Minneapolis, Minnesota

P2-69
The First Series of Spiral Vein Graft Reconstruction Technique for Venous Resection in Borderline Operable Pancreatic Cancer. H. Seppänen, A. Kokkola, H. Mustonen, C. Haglund, I. Kantonen. Dept. of Surgery, Helsinki University Hospital, Helsinki University, Finland

P2-70
Correlation between CEACAM6 Expression and Clinicopathological Characteristics, Progression of Pancreatic Cancer. J. Chen, N. Iv, K. Jiang, C. Dai, W. Gao, Q. Li, J. Wu, J. Wei, F. Guo, Z. Lu, Y. Miao. Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China

P2-71
Efficacy of SBP-101 With or Without Gemcitabine and/or Nab-paclitaxel in a Murine Xenograft Model of Human Pancreatic Ductal Adenocarcinoma. A. Shah1, S. Gagnon1, P. Milani de Marval1, A. Kiorpes1, and M. Cullen2. 1Sun BioPharma, Inc., Gainesville, Florida; 2Charles River Discovery Services, Morrisville, North Carolina

P2-72

P2-73
Novel patient-derived CTC-xenograft models for the study of pancreatic cancer biology, metastasis and therapy. R.X. Wang1, C.Y. Chu1, N.N. Nissen2, M.S. Lewis3, N. Palanisamy4, M. Edderkaoui2, A. Annamalai2, S. Lewis5, H.E. Zhai1, S.J. Pandol2, and L.W.K. Chung1. Departments of 1Medicine and 2Surgery, Cedars-Sinai Medical Center; 3Department of Pathology, VA Greater Los Angeles Health System, Los Angeles, CA; and 4Department of Pathology, Henry Ford Health System, Detroit, MI
P2-74
Circulating Inflammatory Cells (CICs) Undergo Lipotoxic Cell Death During Severe Acute Pancreatitis (SAP). P. Noel, K. Patel, R.N. Trivedi, C. de Oliveira, A. Singh, V. P. Singh. Department of Medicine, Mayo Clinic, Scottsdale, AZ.

P2-75
Immune Modulation of Pancreatic Cancer with CCK-receptor Blockade. J.P. Smith, S. Wang, S.A. Jablonski, and L.M. Weiner. Departments of Oncology & Medicine, Georgetown Lombardi Comprehensive Cancer Center, Georgetown University, Washington D.C.

P2-76
Circulating Annexin II Predicts Rapid Recurrence after Surgery in Pancreatic Cancer. S. Takano1, K. Sogawa2, H. Yoshitomi2, S. Kagawa1, H. Shimizu1, M. Ohtsuka1, A. Kato1, K. Furukawa1, T. Takayashiki1, S. Kuboki1, D. Suzuki1, N. Sakai1, F. Nomura2, M. Miyazaki1. 1Department of General Surgery; 2Department of Molecular Diagnosis, Chiba University, Chiba, Japan.

P2-77

P2-78
Adiponectin Receptor Agonists Inhibit Pancreatic Cancer Cell Growth. A.M. Mendonsa1, C. Shi2, J. Castellanos3, A.M. Lowy4, N. Nagathihalli5, N. Merchant6, L. Gorden1,3, and M.N. VanSaun5. Departments of 1Cancer Biology, 2Pathology, 3Surgery, Vanderbilt University Medical Center, Nashville, Tennessee; 4Department of Surgery, University of California San Diego, La Jolla, California; 5Department of Surgery, University of Miami, Miami, Florida.

P2-79
Novel Mechanism of Wnt Signaling Activation Aediated by Dickkopf-1 Methylation in Pancreatic Cancer. Z. Wang, Q. Xu, W. Duan, J. Lei, and Q. Ma. Department of Hepatobiliary Surgery, First Affiliated Hospital of Medical College, Xi'an Jiaotong University, Xi'an, China

P2-80

P2-81
Resveratrol Inhibits Hypoxia Induced PSC Activation and Pancreatic Cancer Cell Viability and Invasion Q. Xu, W. Duan, J. Lei, and Q. Ma. Department of Hepatobiliary Surgery, First Affiliated Hospital of Medical College, Xi'an Jiaotong University, Xi'an, China

P2-82
Adverse Effect of Re-elevation of Postoperative Inflammatory Reaction on Recurrence Free Survival Time of Patients Undergoing Potentially Curative Resection for Distal Pancreatic Cancer. S. Yamazoe, R. Amano, K. Kimura, G. Ohira, K. Nishio, K. Miura, M. Ohira and K. Hirakawa. Department of Surgical Oncology (First Department of Surgery), Osaka City University, Graduate School of Medicine, Osaka, Japan

P2-83
The Value of MicroRNA-216a as a Marker for Severity of Acute Pancreatitis. X.X. Zhang, L.H. Deng, WW. Chen, N. Shi, Y. Ma, K. Jiang, X.N. Yang, and Q. Xia. Department of Integrated Traditional Chinese and Western Medicine, West China Hospital of Sichuan University, Chengdu, China.

P2-84
P2-85
Prospective Study of Diabetes, Smoking, Diet and Risk of Pancreatitis: The Multiethnic Cohort. V.W. Setiawan1,2, S.J. Pandol3, J. Porcel1, L.R. Wilkens4, L. Le Marchand5, M.C. Pike1,2, K.R. Monroe1. 1Department of Preventive Medicine, Keck School of Medicine of USC, Los Angeles, CA; 2Norris Comprehensive Cancer Center, Keck School of Medicine of USC, Los Angeles, CA; 3Division of Gastroenterology, Departments of Medicine, Cedars-Sinai Medical Center and Department of Veterans Affairs, Los Angeles, CA; 4Epidemiology Program, University of Hawaii Cancer Center, Honolulu, HI; 5Memorial Sloan Kettering Cancer Center, New York, NY

P2-86
A High Meat Intake Is Associated with an Increased Risk of Pancreatic Cancer: a Prospective Cohort Study (EPIC-Norfolk) Using Data from Food Diaries. A. Beaney1, P. Banim2, R. Luben3, M. Lentjes3, K.T. Khaw3, A. Hart1. 1Norwich Medical School, UK; 2James Paget Hospital, UK; 3Institute of Public Health, University of Cambridge, UK.

P2-87
Covering the Cystic Duct Orifice with Self Expanding Metal Stents for Biliary Obstruction Secondary to Pancreatic Adenocarcinoma: Is there an Increased Risk of Cholecystitis? V. Gohil, Y. Wu, S. Rashid, V. Chitnaps, P. Yeaton, and A. Brijbassie. Department of Gastroenterology, Virginia Tech Carilion School of Medicine, Roanoke, Virginia.

P2-88
Pre-diagnosis Cachexia Rather than BMI is Associated with Worse Survival Outcomes in Patients with Pancreatic Cancer. J.I. Chang1, B. Z. Huang2, and B.U. Wu3. 1Internal Medicine, Kaiser Permanente Los Angeles, California; 2Research and Evaluation, Kaiser Permanente Southern California; 3Center for Pancreatic Care, Gastroenterology, Kaiser Permanente Los Angeles, California.

P2-89
NecroX-7 Ameliorate the Severity of Cerulein-induced Acute Pancreatitis (CIP) through Inhibition of Necroptosis/necrosis via Reciprocal Regulation of Mitochondrial ROS and Pro-inflammatory Cytokines. Y.T Kim, M.Y Kim, D.W. Jun, O.Y. Lee, B.C. Yoon, K.S. Yoo, H.S. Choi, K.G. Lee, D.H. Lee and S.H.Kim. 1Department of Internal Medicine; 2General Surgery, Hanyang University College of Medicine, Seoul; 3Department of Internal Medicine, Inha University College of Medicine, Incheon; 4LG Life Sciences Ltd., R&D Park, Daejeon, Korea

P2-90
Surgical Treatment Choice for Pancreatic Ductal Stone-An Institutional Experience. J. Wei, X. Liu, W. Xu, Z. Lu, J. Chen, F. Guo, K. Jiang, C. Dai, Y. Miao. Pancreas Center, the First Affiliated Hospital of Nanjing Medical University, 300 Guangzhou Road, Nanjing, China.

P2-91
Are the Current Physician Quality Reporting System (PQRS) Measures Adequate for Academic Pancreatic Centers of Excellence (APCOE)? D.L. Conwell1, P. Hart2, M. DiMaggio3, M. Alsante4, C.M. Wilcox5, J. Barkin6, B. Kisloff4, D. Whitcomb6 and the PancreasFest 2015 Academic Pancreatic Centers of Excellence Ad Hoc Working Groups. 1The Ohio State University Wexner Medical Center; 2University of Michigan; 3National Pancreas Foundation; 4University of Alabama-Birmingham; 5University of Miami; 6University of Pittsburgh.

P2-92

P2-93
Role of Pre-operative CA19-9 in Predicting Long and Short Term Progression Free Survival in Patients Undergoing Pancreatic Cancer Resection. S. Desai1, C. Langmead2, H. Zeh3, A. Zureikat3, N. Bahary4, and R. Brand1. 1Department of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania; 2School of Computer Science, Carnegie Mellon University, Pittsburgh, Pennsylvania; 3Department of Surgery, University of Pittsburgh, Pittsburgh, Pennsylvania;

P2-94
The MET Receptor Tyrosine Kinase is Required for the Repair of Pancreatic Acinar Cells Following Acute and Chronic Injury. I. Gazi0va1, D. Jackson2, P. Boor3, D. Carter2, Z. Cruz-Montserrat4, C. Elferink5, A. Joshi6, B. Kaphalia6, C.D. Logsdon4, L. Soong5, X. Tao6, S. Qiu5, and L. Elferink1. 1Departments of Neuroscience and Cell Biology, 2Pharmacology, 3Pathology, University of Texas Medical Branch, Galveston, TX; 4Department of Cancer Biology, University of Texas MD Anderson Cancer Center, Houston, TX.
P2-95
Pancreas-specific Secretory Pathway Ca²⁺-ATPase 2 Affects GPCR-mediated Ca²⁺ Signalling. M. Fenech¹,², and C. Pin¹,²,³.
¹Department of Paediatrics, Western University, Children’s Health Research Institute, London, Ontario, Canada; ²Department of Physiology, Western University, Children’s Health Research Institute, London, Ontario, Canada; ³Department of Pharmacology, Western University, Children’s Health Research Institute, London, Ontario, Canada

P2-96
Covering the Cystic Duct Orifice with Self Expanding Metal Stents for Malignant Biliary Obstruction: Is there an Increased Risk of Cholecystitis? V. Gohil, Y. Wu, S. Rashid, V. Chitnavis, P. Yeaton, A. Brijbassie. Department of Gastroenterology, Virginia Tech Carilion School of Medicine, Roanoke, VA.

P2-97
Evaluation of Minnelide on Granulocyte Differentiation and Apoptosis. V. K. Gupta, A. Sareen, S. Modi, B. Giri, S. Banerjee and A. K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis MN.

P2-98
Overexpressed SMG-1 Inhibited the Proliferation, Invasion, and Chemoresistance of Human Pancreatic Carcinoma Cells by Regulating mTOR. L.L. Han¹, T.H. Hu², J. Wang³, L. Jing³, M.C. Wang³, M.J. Liu³, and K.J. Nan¹.
¹Department of Oncology and Respiratory, First Affiliated Hospital, College of Medicine of Xi’an Jiaotong University, Xi’an, Shaanxi, China; ²Department of Ultrasound, Second Affiliated Hospital, College of Medicine of Xi’an Jiaotong University, Xi’an, Shaanxi, China

P2-99

P2-100

P2-101
Determining the Role of RND2 in Pancreatic Cancer Progression. B. Jakubison, Y. Sun & S.F. Konieczny. Department of Biological Sciences & the Purdue Center for Cancer Research, Purdue University, West Lafayette, Indiana

P2-102

P2-103
Applying Healthcare Utilization Data to Predict Pancreatic Cancer. A. Baecker¹,², S.J. Pandol¹, A. Hendifar¹, N. Nissen¹, B. Wu³, and C.Y. Jeon¹². ¹Cedars-Sinai Medical Center, Los Angeles, California; ²UCLA Fielding School of Public Health, Los Angeles, California; ³Kaiser Permanente Los Angeles Medical Center, Los Angeles, California

P2-104
ERK Kinase Phosphorylates and Destabilizes the Tumor Suppressor FBW7 in Pancreatic Cancer. S.R. Ji¹,²,³, Y. Qin¹,²,³, C. Liang¹,²,³, S. Shh¹,²,³, J. Xu¹,²,³, B. Zhang¹,²,³, Q.X. Nl¹,²,³, X.J. Yu¹,²,³. ¹Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; ²Department of Oncology, Shanghai Medical College, Fudan University; ³Pancreatic Cancer Institute, Fudan University, Shanghai P.R. China

P2-105
Enucleation: a Safe Treatment Alternative for BD-IPMN. J. Kaiser¹, S. Fritz¹, M. Klauss², F. Bergmann², U. Hinz¹, O. Strobé¹, L. Schneider¹, M.W. Büchler¹, and T. Hackert¹. ¹Department of General, Visceral and Transplant Surgery, University of Heidelberg, Heidelberg, Germany; ²Department of Radiology, University of Heidelberg, Heidelberg, Germany; Department of Pathology; University of Heidelberg, Heidelberg, Germany
P2-106

P2-107

P2-108

P2-109
Evaluation of Vitamin D, A, E Status in Patients with Pancreatic Disorders. S. Siminkovitch, M. Kovacheva-Slavova, B. Vladimirov, J. Genov, R. Mitova, P. Gecov, D. Svinarov, B. Golemanov. 1Department of Gastroenterology; 2Department of Medical Imaging, University Hospital “Tsaritsa Ioanna-ISUL”, Sofia, Bulgaria; 3Central Laboratory of Therapeutic Drug Management and Clinical Pharmacology, Alexa

P2-110
Deficiency of Lipocalin-2 Protect Against Cerulein-Induced Severe Acute Pancreatitis. S Kumar, S Rachagani, S Joshi, S Gupta, M Varney, AC Cannon, K Malla, S Kaur, M Jain, S Akira, SK Singh, and SK Batra. 1Departments of Biochemistry and Molecular Biology; 2Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE; 3Immunology Frontier Research Center (IFReC), Osaka University, Japan

P2-111
Microrna-33a-Mediated Downregulation of Pim-3 Kinase Expression Confers Sensitivity to Gemcitabine on Human Pancreatic Cancer Cells. C. Liang. Department of Pancreas and Hepatobiliary, Pancreatic Cancer Institute, Fudan University Shanghai Cancer Center, Department of Oncology, Shanghai Medical College, Fudan University, Shanghai, China

P2-112
Identification of a Novel Monomeric Form of the Histone Code Reader HPIg in PDAC Cells Generated by Alternative Splicing of the CBX3 Gene. A. Mathison, M. Williams, T. Berent, S. Buttar, M. Hege, K. Bharucha, R. Urrutia, G. Lomberk. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Biophysics, Biochemistry and Molecular Biology, Mayo Clinic, Rochester, MN.

P2-113
Clinicopathological Characteristics of In Situ Carcinoma of the Pancreas. Y. Matsuda, A. Suzuki, A. Seki, K. Nonaka, M. Nishimoto, T. Ishiwata, H. Yoshimura, N. Ishizaki, K. Nakamura, N. Ishikawa, J. Aida, K. Ikukubo, and T. Araki. 1Department of Pathology, Tokyo Metropolitan Geriatric Hospital, Tokyo, Japan; 2Department of Internal Medicine, the University of Oklahoma Health Sciences Center, Oklahoma City, OK; 3Department of Cancer Biology, University of Texas, M.D. Anderson Cancer Center, Houston, TX; 4Department of Integrated Diagnostic Pathology, Nippon Medical School, Tokyo, Japan; 5Research Team for Geriatric Pathology, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan.

P2-114

P2-115
Repression of p38 pathway and cachexia underlies ZIP4 regulation of post-surgical survival of pancreatic cancer. J. Yang, Y. Zhang, G. Zhang, X. Ni, C. D. Logsdon, Y. Li, Min Li. 1Department of Internal Medicine, the University of Oklahoma Health Sciences Center, Oklahoma City, OK; 2Department of Cancer Biology, University of Texas, M.D. Anderson Cancer Center, Houston, TX; 3Department of Integrative Biology & Pharmacology, University of Texas Medical School at Houston, Houston, TX; 4Department of General Surgery, Zhongshan Hospital, Shanghai, China

P2-116
Effect of Chronic Ethanol Feeding on Expression and Enzymatic Activity of Pancreatic Digestive Enzymes. Y Ryu, A Bekolay, A Saluja, R Dawra. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.
P2-117
GM-CSF induces CREB through MEK Signaling and Modulates Tobacco Carcinogen-induced Pancreatic Tumorigenesis. K. Honnenahally, J. Castellanos, C. Shi, M. VanSaun, N. Merchant, and N. Nagathihalli. 1Vanderbilt University, Nashville, Tennessee; 2Department of Surgery, University of Miami, Miami, Florida

P2-118
Prediction of the Severity of Acute Alcohol Pancreatitis by Systemic Levels of Soluble Urokinase-type Plasminogen Activator Receptor (suPAR). N. Anssi, A. Janne, H. Reetta, N. Isto, S. Juhan, and L. Johanna. 1Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; 2University of Tampere, School of Medicine, Tampere, Finland; 3Fimlab Laboratories, Tampere, Finland; 4Department of Internal Medicine, Tampere University Hospital, Tampere, Finland

P2-119
Analysis of Clinicopathological Features of Early Recurrence after Curative Resection for Pancreatic Cancer. K. Nishio, K. Kimura, R. Amano, K. Miura, G. Ohira, S. Yamazoe, M. Ohira, and K. Hirakawa Department of Surgical Oncology, Osaka City University Graduate School of Medicine, Osaka, Japan

P2-120
Therapeutic Management of Disconnected Pancreatic Duct Syndrome (DPDS). H. Okamoto, J. Itakura, and H. Fuji. 1Department of Surgery, Tsuru Municipal Hospital, Yamanashi, Japan; 2Department Gastrointestinal Surgery, University of Yamanashi, Yamanashi, Japan

P2-121
Risk Factors Associated with Early Readmission following Sentinel Admission with Acute Pancreatitis. J. Park, J. Kuo, J. Skeans, A. Hinton, S. Krishna, D. Conwell, P. Hart. The Ohio State University Wexner Medical Center, Columbus, OH

P2-122
IL-10 Induced By Sulfuretin Regulates the Severity of Pancreatitis. I.J. Jo, G.S. Bae, S.B. Choi, D.G. Kim, J-Y Shin, S-K Lee, M-J Kim, J. Jun-Hyeok, and S.J. Park. 1Department of Herdology, 2Habang Body-fluid Research Center, 3BK 21 plus team, School of Korean Medicine, Wonkwang University, Iksan, South Korea

P2-123
Inflammatory Monocytes Regulate Acute Pancreatitis Resolution. A New Model of Chronic Pancreatitis. G. Perides, J. Louhimo, Z. Knotts, M.L. Steer. 1Department of Surgery, Tufts Medical Center and Tufts University School of Medicine, Boston, MA; 2Department of Surgery, University of Helsinki, Helsinki, Finland

P2-124
βIVb-Tubulin is a Novel Therapeutic Target for the Treatment of Pancreatic Cancer. G. Sharbeen, J. Liu, J. McCarroll, L. Limbri, J. Youkhan, D. Goldstein, M. Kavallaris, and P. Phillips. 1Pancreatic Cancer Translational Research Group, Lowy Cancer Research Centre, UNSW Australia, Sydney, Australia; 2Children's Cancer Institute, Lowy Cancer Research Centre, UNSW Australia; 3Australian Centre for NanoMedicine, UNSW Australia

P2-125
MiR-1247 Inhibits Pancreatic Cancer Cell Proliferation by Targeting Neuropilins. S. Shi, X. Yu. Department of Pancreatic Surgery, Fudan University Shanghai Cancer Center, Shanghai, China; Department of Oncology, Shanghai Medical College, Fudan University, Shanghai, China; Pancreatic Cancer Institute, Fudan University, Shanghai, China.

P2-126
Low Dose Ciprofloxacin Nanoparticles Decrease Bacterial Translocation During Severe Acute Pancreatitis. O. Rotar, I. Khomiak, V. Rotar, M. Fishbach, K. Taneja. 1Bukovinian State Medical University, Chernivtsi, Ukraine; 2A.A.Shalimov National Institute of Surgery and Transplantology, Kiev, Ukraine

P2-127
High-intensity Focused Ultrasound (HIFU) Therapy Combined with Chemotherapy has an Effect of Survival Time Elongation for the Pancreatic Cancer. F. Moriyasu, A. Sofuni, T. Sano, M. Fujita, and T. Itoi. Department of Gastroenterology & Hepatology, Tokyo Medical University, Shinjuku, Tokyo, Japan
**P2-128**
Identification of Met Inhibitor-Responding Tumors in Gastrointestinal Cancer. V. Sangwan1,4, P. Peschard1, M. Gigoux1, N. Chuhta1, A. Monast1, M. Leimanis1, V. Marcus1, L. Ferri1,2,4, and M. Park1,3,4. 1Goodman Cancer Research Center, McGill University, Montreal, Canada;  2Department of Surgery, McGill University Health Center, Montreal, Canada;  3Department of Oncology, McGill University Health Center, Montreal, Canada;  4Department of Pathology, McGill University Health Center, Montreal, Canada

**P2-129**
Serum Trypsinogen Levels As a Biomarker of Pancreatic Exocrine Insufficiency (PEI) In Chronic Pancreatitis (CP): Results from The NAPS2 Study. D. Whitcomb, B. Sandhu, C. Wilcox, S. Alkaade, M. Anderson, D. Yadav for the NAPS2 Consortium, USA

**P2-130**
Proteomic Characterization of Acinar Cells Isolated Using Laser Capture Microdissection From Pancreata of Mice With Caerulein-Induced Chronic Pancreatitis. J.P. Shapiro1, H. Komar2, P. Hart1, D. Conwell1, G.B. Lesinski1. 1Division of Gastroenterology, Hepatology & Nutrition;  2Division of Medical Oncology, Department of Internal Medicine, The Ohio State University Wexner Medical Center, Columbus OH.

**P2-131**

**P2-132**
Colipase (CLPS) Mediates Adipocyte Death and Inflammation: an In-Vitro Model of Fat Necrosis(FN). R.N. Trivedi, K. Patel, P. Noel, A. Singh, C. de Oliveira, and V.P. Singh Department of Medicine, Mayo Clinic, Scottsdale, Arizona

**P2-133**
Role of AMPK in the inhibitory effects of metformin and berberine in humane pancreatic cancer cells. J. Wang, L.L. Han, Sinnett-Smith, S. Young, E. Rozengurt. Division of Digestive Diseases, Department of Medicine, CURE: Digestive Diseases Research Center, David Geffen School of Medicine at University of California at Los Angeles.

**P2-134**
Pattern and Impact of Organ Failure on Human Acute Pancreatitis. P. Szatmary1, W. Huang1, T. Liu1, D. de la Iglesia-Garcia2, S. Parente1, G. Primo1, W. Greenhalf1, and R. Sutton1. 1NIHR Liverpool Pancreas Biomedical Research Unit, The Royal Liverpool University Hospital, Liverpool, UK;  2Department of Gastroenterology and Hepatology, University Hospital of Santiago de Compostela, Spain.

**P2-135**

**P2-136**
Prevalence and In-Hospital Mortality Trends of Clostridium difficile Among Patients admitted with Acute Pancreatitis: A Nationwide Study of Hospitalized patients in the United States. G. Trikudanathan, S. Munigala, M.A. Arain, M.L. Freeman.  Gl Division, Department of Medicine, University of Minnesota.

**P2-137**
Role of the MSP-RON Signaling Pathway in Pancreatic Stellate Cell Activation and in Transformation from Pancreatic Intraepithelial Neoplasia (PanIN) to Pancreatic Ductal Adenocarcinoma (PDAC). S. Morvaridi, C. Chheta, S. Pandol, and Q. Wang. Pancreatic Research Program; Department of Medicine, Cedars-Sinai Medical Center, Los Angeles, California.

**P2-138**
Neoadjuvant Chemoradiation Therapy in Borderline Resectable Pancreatic Adenocarcinoma. S Shafi1, A. Kaubisch2. 1Department of Medicine, Albert Einstein Montefiore New Rochelle Hospital, New Rochelle, NY;  2Department of Oncology, Albert Einstein Montefiore Medical Centre, Bronx, NY.

**P2-139**
Duodenal Display of Extended Field of Pancreatic Cancer: Potential Role of Galectin-3. N. Momi,1 H. Subramanian,2 R. Wali,1 M. Delacruz,2 V. Backman,2 H. Roy.1 1Dept of Medicine, Boston University Medical Center, Boston, MA;  2Northwestern University, Evanston, IL