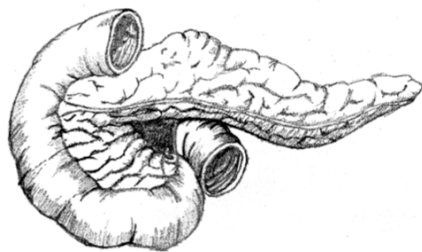


48TH ANNUAL MEETING

# *American Pancreatic Association*



November 8 - 11 , 2017 | San Diego, California

CME Provider :

UNIVERSITY OF MIAMI  
MILLER SCHOOL  
of MEDICINE







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Miklos Sahin-Toth, MD, PhD, Course Co-Director

### **APA CONTACT INFORMATION**

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## MESSAGE FROM THE PRESIDENT



Dear Friends: On behalf of our society's governing board and our organizing committees, I am honored to welcome you back to San Diego for the 48<sup>th</sup> Annual Meeting of the American Pancreatic Association. In recent years APA membership overwhelmingly supported the selection of meeting locations with warm weather, palm trees and sandy beaches, so here we go again. This wonderful venue is complemented by an exciting program supported by nearly 300 abstract submissions from 24 different countries. The program selection committees put

together a diverse and stimulating program that highlights recent developments in clinical and basic research on acute and chronic pancreatitis and pancreatic cancer. I am proud to say that pediatric pancreatitis will also receive special emphasis with expert speakers contributing to several sessions. The pre-meeting symposium this year is entitled "Pancreatitis: Innovations and Emerging Research in a Complex Disease" and it brings together experts from all segments of pancreatitis research to discuss recent achievements and remaining knowledge gaps in the field. We are particularly thrilled to showcase NIDDK-sponsored research programs on pancreatitis, and we hope this symposium will also help us draw attention to the urgent need for more young investigators in this area of research. The main meeting will utilize the traditional formats of abstract-driven sessions and mini-symposia to cover a variety of basic and clinical problems related to the diseases of the pancreas. Cutting-edge topics will be addressed such as the role of precision medicine in pancreatitis management, imaging and radiomics in pancreatic cancer, novel therapeutic targets in pancreatitis, and immunotherapy in pancreatic cancer. Probably our most anticipated program point will be the clinical controversy session in which four dedicated experts will debate the contentious issue of whether or not we can diagnose early chronic pancreatitis. No matter how heated the discussions may become, we can always come together and find common ground over the many meals and social programs the APA meetings always offer and this year will be no exception. Finally, we are immensely grateful to our sponsors and we extend our thanks to the APA Board, the program committees, APA secretary Ashok K. Saluja and the APA office for their hard work and dedication that ultimately made this fantastic meeting happen. We all hope you will have a great time here in San Diego.

### **Miklos Sahin-Toth, MD, PhD**

President, American Pancreatic Association

Professor, Department of Molecular and Cell Biology

Boston University Henry M. Goldman School of Dental Medicine

Boston University Medical Campus



## ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of Miami Leonard M. Miller School of Medicine and American Pancreatic Association. The University of Miami Leonard M. Miller School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

## CREDIT DESIGNATION

The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of **27.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## LEARNING OBJECTIVES

This activity is designed for physicians and researchers. Upon completion of this course, participants will be able to:

1. Recognize the role and effects that digestive enzyme and subcellular organelle disorders in pancreatitis.
2. Apply current medical, endoscopic, and surgical management practices of Pancreatitis and pancreatic cancer.
3. Incorporate currently ongoing cutting-edge clinical and basic sciences projects funded by the NIH that directly address the pathology and management of acute and chronic pancreatitis and pancreatic cancer.
4. Utilize the novel therapies for the treatment of pancreatic exocrine insufficiency.
5. Implement the latest research on immunobiology and immunotherapy of pancreatic adenocarcinoma.
6. Assess the potential benefits of biomarkers for the early detection of pancreatic cancer
7. Compare and contrast the varying options for the prevention of post-ERCP Pancreatitis.
8. Discuss the most up to date research on the causes of acute and chronic pancreatitis.
9. Explain how diabetes affects both chronic pancreatitis and pancreatic cancer. Attendees will gain the knowledge of chronic pancreatitis to pancreatic cancer including how diabetes affects both diseases.
10. Evaluate latest clinical trials evidence on the immunobiology of pancreatic cancer and immunotherapy clinical trials in the field.

## DOCUMENTATION OF ATTENDANCE FOR CME

1. Sign in at Registration desk
2. A link will be emailed to you after the conference in order to complete the Credit Adjustment Form and conference evaluation
3. Certificates of Attendance will be available immediately after completing the above

## EVALUATIONS & CREDIT ADJUSTMENT FORM

Conference evaluations are a valuable tool in assisting to better serve you. An e-mail with a link to the electronic evaluation form and credit adjustment form will be sent to you at the end of the program. Please complete your evaluation form on-line. We welcome your comments and suggestions. An outcome evaluation will be conducted 2 to 3 months following the course to measure the impact this activity has had in changing performance and patient outcomes. We encourage and appreciate your participation.

## **FACULTY DISCLOSURE PAGE**

### **Disclosure and Conflict of Interest Resolution Statement**

In accordance with the 2004 Updated ACCME Standards for Commercial Support the University of Miami Leonard M. Miller School of Medicine requires everyone in a position to control the content of a Continuing Medical Education activity – the Course Director(s), Planning Committee Members and all individuals participating as speakers, moderators or authors to disclose all relevant financial relationships with any commercial interest. All potential conflicts of interest are identified and resolved prior to the education activity being provided to learners. Disclosure of relevant financial relationship(s) will be provided to learners prior to the beginning of the educational activity.

## **SUPPORTERS**

The American Pancreatic Association would like to extend our gratitude and appreciation to the following organizations for their support of this meeting through educational grants:

### **Platinum Supporters**

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Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine  
Vay Liang W. Go, Pancreas Journal

## **EXHIBITORS**

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

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Interpace Diagnostics  
National Pancreas Foundation

Please visit our exhibitors' booths in the Commodore Foyer

## YOUNG INVESTIGATOR AWARD WINNERS

Venkata Akshintala	Saswati Karmakar	Mizuho Sato-Dahlman
Ji Young Bang	Kazuhiro Koikawa	Zachary Sellers
Parthasarathy Chandrakesan	Purushottam Lamichhane	Ayush Sharma
Subhankar Dolai	Mingyang Liu	Kamini Singh
Luis Flores	Zipeng Lu	Jonas Staudacher
Alexander Gaidarski	Sonmoon Mohapatra	Ajay Sud
Bhuwan Giri	Dora Mosztbacher	Kenji Takahashi
Vineet Gupta	Dhruvika Mukhija	Carolina Torres
Song Han	Balazs Nemeth	Fons Van den Berg
Audrey Hendley	Avinoam Nevler	Dagny Von Ahrens
Cheng Hu	Anna Nurmi	Danlu Wang
Elaina Jones	Lucy Oldfield	Li Wen
Joerg Kaiser	Salvatore Paiella	Dylan Williams
Ayesha Kamal	He Ren	Zilong Yan
		Ruwen Zhang

## ABSTRACT SELECTION COMMITTEE

The APA Board would like to thank the reviewers of over 300 abstracts received:

Sulagna Banerjee - University of Miami	Kazuichi Okazaki - Kansai University, Japan
Howard Crawford - University of Michigan	Marina Pasca di Magliano - University of Michigan
Vikas Dudeja - University of Miami	Nageshwar Reddy - AIG, India
Carlos Fernandez-del Castillo - Harvard/MGH	Max Reichert – Technical University of Munich
Toru Furukawa- Tokyo Woman's Medical University, Japan	Andrew Rhim - MD Anderson
Pramod Garg- AIIMS, India	Miklos Sahin-Toth –Boston University
Guy Groblewski- UW, Madison	Veena Sangwan –McGill University, Canada
Anna Gukovskaya- UCLA	Kyoko Shimizu - Tokyo Women's University, Japan
Aida Habtezion- Stanford University	Vijay Singh – Mayo Clinic, Arizona
Peter Hegyi- University of Pecs, Hungary	Vikesh Singh – Johns Hopkins
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Karen Horvath- UW Seattle	Masao Tanaka – Kyushu University, Japan
Sohail Husain- Children's Hospital Pittsburgh	Margaret Tempero - UCSF
Myung-Hwan Kim- Asan Medical Center, Korea	Christina Twyman-St. Victor - UPenn
Min Li- The University of Oklahoma Health Sciences Center	Aliye Uc – University of Iowa
Ravikant Maddipatti- UPenn	Huaizhi Wang – Southwest Hospital 3rd Medical University, China
Anirban Maitra- MD Anderson	Andrea Wang- Gilliam – Washington University
Atsushi Masamune -Tohoku University, China	Christopher Wolfgang – Johns Hopkins
Julia Mayerle - Ludwig-Maximilians- University, Germany	Bechien Wu – Kaiser Permanente
Nipun Merchant -University of Miami	Yianjun Yu -Fudan University, China



## MEETING AT A GLANCE

### WEDNESDAY, NOVEMBER 8

7:00 a.m. – 8:00 a.m.	Breakfast
8:00 a.m. – 3:30 p.m.	Pre-Meeting - Pancreatitis: Innovation and Emerging Research in a Complex Disease
12:00 p.m. – 1:00 p.m.	Lunch
5:00 p.m. – 7:00 p.m.	Hirshberg Opening Symposium: The Future of Pancreatic Cancer: From Mechanisms to Therapy
7:00 p.m. – 9:00 p.m.	Presidential Reception

### THURSDAY, NOVEMBER 9

7:00 a.m. – 8:15 a.m.	Breakfast & Poster Viewing
8:15 a.m. – 10:00 a.m.	Abstract Session: Pancreatic Cancer
10:15 a.m. – 11:40 a.m.	Mini Symposium: Novel Therapeutic Targets in Pancreatitis
11:40 a.m. – 12:10 p.m.	Paul Webster Clinical State of the Art Lecture
12:10 p.m. – 2:00 p.m.	Lunch & Poster Session
2:00 p.m. – 3:00 p.m.	Abstract Session: Pancreatitis
3:00 p.m. – 4:20 p.m.	Mini Symposium: Imaging the Pancreas
4:40 p.m. – 6:00 p.m.	Mini Symposium: Precision Medicine in Pancreatitis Management
7:00 p.m. – 10:00 p.m.	Reception & Awards Dinner

### FRIDAY, NOVEMBER 10

7:00 a.m. – 8:00 a.m.	Breakfast & Poster Viewing
8:00 a.m. – 9:30 a.m.	Abstract Session: Pancreatitis
9:30 a.m. – 10:00 a.m.	Frank Brooks State of the Art Lecture
10:15 a.m. – 12:00 p.m.	Mini Symposium: Fibrosis in Pancreatic Diseases: Friend or Foe?
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. – 3:30 p.m.	Mini Symposium: From Radiology to Radiomics in Pancreatic Cancer
3:45 p.m. – 5:00 p.m.	Mini Symposium: Controversies in Clinical Pancreatology: Can We Define Early CP?
5:00 p.m. – 6:30 p.m.	Parallel Session: Clinical Science Abstracts Parallel Session: Basic Science Abstracts
7:00 p.m.	Women in Pancreas Reception & Dinner

### SATURDAY, NOVEMBER 11

7:00 a.m. – 8:00 a.m.	Breakfast
8:00 a.m. – 9:30 a.m.	Abstract Session: Pancreatic Cancer
9:30 a.m. – 10:30 a.m.	Mini Symposium: Immunotherapy in Pancreatic Cancer
10:45 a.m. – 12:00 p.m.	Mini Symposium: Clinical Trials in Pancreatitis
12:00 p.m. – 1:00 p.m.	Mini Symposium: PanCan Young Investigators
1:00 p.m.	Lunch

## ONSITE REGISTRATION HOURS

Location | *Commodore Foyer*

Wednesday, 11/8	7am – 7pm
Thursday, 11/9	7am – 5pm
Friday, 11/10	7am – 5pm
Saturday, 11/11	7am – 12pm

## SOCIAL EVENTS

### PRESIDENTIAL RECEPTION

Wednesday, November 8 | 7:00 pm – 9:00 pm

Location | *Bay Terrace*

The Presidential Reception is held in honor of APA President Miklos Sahin-Toth.

### AWARDS DINNER & RECEPTION

Thursday, November 9 | 7:00 pm – 10:00 pm

Reception 7:00 pm – 8:00 pm

Location | *Bay Terrace*

Dinner 8:00 pm – 10:00 pm

Location | *Commodore CDE*

The following awards will be presented: Hirshberg Foundation and National Pancreas Foundation Awards for Best Abstracts in Pancreatitis and Pancreatic Cancer, Kenner Family Research Fund for Best Abstract in Early Detection in Pancreatic Cancer, the Distinguished Service and the Vay Liang & Frisca Go Award for Lifetime Achievement along with felicitations of Young Investigators awardees.

### WOMEN IN PANCREAS RECEPTION & DINNER

Friday, November 10, 7:00 pm

Reception Location | *Bay Terrace*

Dinner Location | *Constellation B*

All women registered are invited to attend this event. RSVPs are requested; contact the reservation desk. Keynote Speaker is Sheila E. Crowe, MD, FRCPC, FACP, FACG, AGAF, University of San Diego

## APA FOUNDATION

The American Pancreatic Association Foundation was officially launched in 2013 with the goal of providing charitable, educational and research support for American Pancreatic Association's initiatives and missions. It was incorporated in the state of Minnesota as a 501(c)3 organization.

The APA Foundation Inaugural Board of Directors consists of Dr. Steve Pandol, Dr. Ed Bradley, Dr. William Chey, Ms. Agi Hirschberg, Dr. Barbara Kenner, Dr. Howard Reber, Dr. Peter Banks, Dr. Andrew Warshaw, Dr. Paul Webster, and Dr. Ed Purich. Dr. Ashok K. Saluja serves as treasurer, and Dr. Vay Liang W. (Bill) Go is Chair of the Board.

The Board started to function in 2014. The APA Foundation contributed to the APA 2017 Young Investigators in Pancreatitis Grant Program.

The future of our society and its mission as well as the development of our discipline is in our own hands. Please consider contributing to the APA Foundation by sending a check to Dr. Ashok K. Saluja.

American Pancreatic Association  
PO Box 352406  
Miami, FL 33135

## **DISTINGUISHED SERVICE AWARD**



### **JULIE FLESHMAN, JD, MBA**

**President and CEO, Pancreatic Cancer Action Network**

The Pancreatic Cancer Action Network is a nonprofit, 501(c)(3) nationwide network of people dedicated to fighting the world's toughest cancer. Founded by a group of pancreatic cancer survivors and caregivers in 1999, the organization relentlessly pursues its mission by implementing an aggressive and comprehensive strategy of research, patient support, advocacy and awareness. The Pancreatic Cancer Action Network is headquartered in Manhattan Beach, Calif., and also staffs a Washington, D.C. and New York City office.

Julie Fleshman became the organization's first full-time staff person and its first Executive Director in April 2000. Having lost her father to pancreatic cancer in 1999, she has made it her passion and commitment to change the course of the disease. In July 2004, the Board of Directors appointed Fleshman President and CEO. Under her leadership, the Pancreatic Cancer Action Network has grown from a staff of one with revenues of \$228,000 to a staff of over 140 with a budget of more than \$38 million.

Today, Fleshman is a sought-after speaker with considerable experience addressing diverse stakeholder groups, including Congress, industry, patients, scientists, donors and volunteers. She has also been interviewed by national media such as The New York Times, CNN, Headline News and ABC News as well as local press throughout the country.

Fleshman has spearheaded the charge to ensure the Pancreatic Cancer Action Network achieves its goal to double pancreatic cancer survival by 2020. Her leadership has driven consistent excellence and innovation throughout the programs and services of the organization, including introducing precision medicine service Know Your Tumor<sup>®</sup> and Precision Promise<sup>SM</sup>, the first large-scale adaptive clinical trial for pancreatic cancer. At the same time, she has steadily increased revenue growth and the organization's impact. Under her direction, the organization has greatly expanded and attracted leading researchers from prestigious institutions around the country to study pancreatic cancer.

During Fleshman's tenure, advocacy and grassroots efforts have expanded to over 60 affiliates nationwide and yielded a \$100 million increase in federal funding for pancreatic cancer research. The organization has awarded 159 pancreatic cancer research grants totaling over \$40 million to researchers at institutions around the country. And more than 165,000 pancreatic cancer patients and their families nationwide have been served by the organization's patient services program.

Fleshman holds her JD and MBA degrees from Santa Clara University and a BA from the University of California, Santa Barbara, where she graduated Magna Cum Laude. She also studied abroad at Oxford University and in Tokyo, Japan. Fleshman has been honored for her leadership and dedication in the fight against pancreatic cancer by many organizations. She serves on the boards of several cancer care and research committees and organizations, recently completing her term as a patient advocate on the National Cancer Institute's Pancreas Task Force, and she has been published in multiple research journals. Most recently, she was asked to join the FasterCures Patients Count Leadership Council and to serve on the NCI Council of Research Advocates to provide advice to the NCI Director with respect to promoting research outcomes that are in the best interest of cancer patients. In addition, Fleshman is the Chair of the World Pancreatic Cancer Coalition, a coalition of more than 60 pancreatic cancer organizations representing 27 countries around the globe.



## VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT



### RODGER A. LIDDLE, MD

Dr. Liddle received his undergraduate degree from the University of Utah and medical degree from Vanderbilt University. He performed his internship and residency in Medicine at the University of California, San Francisco (UCSF). He was a fellow in Gastroenterology at UCSF where he also performed his postdoctoral research training in the laboratory of John A. Williams (former APA president and Go Lifetime Achievement Awardee). Dr. Liddle has served on the faculties of UCSF and Duke University and is currently Professor of Medicine at Duke University Medical Center.

At Duke, Dr. Liddle has held numerous leadership positions, including Chief of the Gastroenterology Division at Duke University Medical Center. He has also served as Chief of Gastroenterology and Associate Chief of Medicine at the Durham VA Medical Center. Dr. Liddle is an internationally recognized investigator in the physiology of the gastrointestinal tract and pancreas and has had continuous NIH research funding for over 30 years. He is a member of *Alpha Omega Alpha*, the *American Society for Clinical Investigation* and the *Association of American Physicians*. Dr. Liddle is author of over 200 peer reviewed scientific articles and book chapters. Dr. Liddle's laboratory focuses on the regulation of gastrointestinal hormones, pancreatic physiology, and experimental models of pancreatitis.

While in the laboratory of John Williams, Dr. Liddle established a reliable bioassay for measuring blood levels of cholecystokinin (CCK). Consequently, he was able to ascertain the physiologic actions of CCK in animals and humans. This work led to studies on pancreatic physiology and experimental models of pancreatitis. Since then he has led programs on the role of trypsin and trypsin inhibitors in the pathogenesis of pancreatitis, the role of neurogenic influences on pancreatic inflammation, and the role of mechanically sensitive ion channels in the pancreas to explain how pressure causes pancreatitis.

Dr. Liddle has served on numerous NIH and VA study sections, national professional committees and editorial boards. He was Associate Editor of *Gastroenterology* (2001-2006), Senior Associate Editor of the *American Journal of Physiology* (2009-2012), Associate Editor of the *Journal of Clinical Investigation* (2012-2017) and is currently Associate Editor of *JCI Insight*. He has chaired the Pancreatic Section of the AGA Council and most importantly served as president of the *American Pancreatic Association* in 2012.

Dr. Liddle owes his investigative career to the mentorship and guidance of John Williams, whose laboratory embodied scientific rigor and enthusiasm for pancreatic investigation. Out of John's laboratory came many colleagues whose careers have also been devoted to the pancreas; including past APA presidents Murray Korc and Craig Logsdon.

Dr. Liddle has been supported throughout his career by his wife and family. He and Joanne have been blessed with three lovely children, Emily, Sloane, and Patrick, and (as of this writing) five wonderful grandchildren.

## PANCREATITIS: INNOVATION AND EMERGING RESEARCH IN A COMPLEX DISEASE

Program Committee Chairs | Miklos Sahin-Toth and Darwin L. Conwell

Program Committee | Anna Gukovskaya, Martin L. Freeman, Markus M. Lerch and Sohail Husain

APA PRE-MEETING | San Diego 2017

Wednesday, November 8

Commodore Ballroom AB

7:00 – 8:00am      Breakfast / *Non-CME event*  
Location / *Avalon*

8:00 – 8:10am      **Introduction** | Miklos Sahin-Toth, MD, PhD and Darwin L. Conwell, MD, MS

8:10 – 9:50am      **Organelle and Digestive enzyme dysfunction in pancreatitis**  
Chairs | Rodger A. Liddle, MD and Aida Habtezion, MD

### State of the Art Lecture

Ashok K. Saluja, PhD, University of Miami Miller School of Medicine  
*Pancreas, Fear One Thing; Fear Cathepsin B*

Stephen J. Pandol, MD, Cedars-Sinai Medical Center  
*Why Does the Combination of Alcohol Abuse and Smoking Cause Your Pancreas to Hurt?*

Jonas Rosendahl, MD, University Halle-Lutherstadt Wittenberg, Halle, Germany  
*Genetic Risk in Pancreatitis: GWAS and Beyond*

Mark E. Lowe, MD, PhD, Washington University School of Medicine  
*Dysfunctional Lipase Variants and Chronic Pancreatitis*

Miklos Sahin-Toth, MD, PhD, Boston University  
*Mouse Models of Trypsin-Dependent Pancreatitis*

9:50 – 10:10am      Break  
Location / *Commodore Foyer*

10:10 – 12:00pm      **Natural History and Intervention Strategies in Pancreatitis**  
Chairs | Rafaz Hoque, MD and Baoan Ji, MD, PhD

### State of the Art Lecture

Dhiraj Yadav, MD, MPH, University of Pittsburgh School of Medicine  
*Using Natural History to Inform Intervention Studies in Pancreatitis: Challenges and Opportunities*

Martin L. Freeman, MD, University of Minnesota  
*Endoscopic Interventions in Pancreatitis: What's New?*

Philip Hart, MD, Ohio State University Wexner Medical  
*Clinical Trials in Chronic Pancreatitis: Challenges and Opportunities*

Gregory Beilman, MD, University of Minnesota  
*Is Surgery the Right Approach for Chronic Pancreatitis?*

Maisam Abu-El-Haija, MD, Cincinnati Children's Hospital  
*Acute Pancreatitis in Children: The Time is Now for Acute Awareness*

12:00 – 1:00pm

Lunch/ *Non-CME event*  
Location / Bay Terrace

1:00 – 1:20pm

**State of the Art Lecture**  
Introduction | Miklos Sahin-Toth, MD, PhD

Peter Hegyi, MD, PhD, DSc, University of Pecs, Hungary  
*The Importance of Energy in Acute Pancreatitis: From Mitochondrial Injury to Patient Care*

1:30 – 3:30pm

**Innovative Research and Future Directions: NIDDK Funded Studies**  
Chairs | Fred S. Gorelick, MD and Zobeida Cruz-Monserrate, PhD

Introduction | Jose Serrano, MD, PhD, National Institutes of Health

Anna Gukovskaya, PhD, University of California Los Angeles and Veterans Affairs of Greater Los Angeles Healthcare System  
*Acinar Cell Organelle Disorders Drive Pancreatitis*

Gregory Cote, MD, Medical University of South Carolina  
*The Division Over Pancreas Divisum: Seeking an Evidence Base for an Iconoclastic Issue*

Craig Logsdon, PhD, MD Anderson Cancer Center  
*Who Knew Pancreatitis Was so Complicated*

Melena Bellin, MD, University of Minnesota Medical Center  
*What Have We Learned About TPIAT? Engaging a Select Population in Clinical Research*

Beatriz Sosa-Pineda, PhD, Northwestern University Feinberg School of Medicine  
*Prox1-Mediated Regulation of Pancreatic Acinar Development and Homeostasis*

Farzad Esni, PhD, University of Pittsburgh  
*Genomic Characterization of the Pancreatitis-Induced Metaplastic Duct Cells*



# THE AMERICAN PANCREATIC ASSOCIATION'S

## 48<sup>th</sup> Annual Meeting

### WEDNESDAY, November 8

*Commodore Ballroom CDE*

5:00 – 7:00 pm

#### **Hirshberg Symposium: The Future of Pancreatic Cancer: From Mechanisms to Therapy**

Chairs | O. Joe Hines, MD and Anil K. Rustgi, MD

Geoffrey Wahl, PhD, Salk Institute for Biological Studies

*Tuft Cells as Immune Modulators in Pancreatitis and Pancreatic Tumorigenesis*

Timothy Donahue, MD, University of California Los Angeles

*Surgery of Pancreatic Cancer*

Margaret Tempero, MD, University of California San Francisco

*Navigating the Therapeutic Landscape of Pancreatic Cancer*

Andre Nel, MD, PhD, UCLA

*Nanotechnology Platform for Drug Delivery and Immunotherapy of Pancreatic Cancer*

7:00 – 9:00pm

Presidential Reception/ *Non-CME event*

Location | *Bay Terrace*

### THURSDAY, November 9

*Commodore Ballroom CDE*

7:00 – 8:15am

Breakfast & Poster Viewing

Breakfast/ *Non-CME event*

Location / *Pavilion*

Poster Viewing

Location / *Pavilion*

8:15 – 10:00am

#### **Pancreatic Cancer Abstract Session**

Location | *Commodore Ballroom CDE*

Chairs | Sulagna Banerjee, PhD and Martin Fernandez-Zapico, MD

#### Keynote Speaker

George Miller, MD, New York University School of Medicine

*Novel Ways to Reprogram Macrophages in Pancreatic Cancer*

**Comprehensive Genomic Profiling of 3,426 Pancreatic Ductal Adenocarcinomas Identifies a Subset of Patients With Potentially Targetable Alterations**

A.D. Singhi,<sup>1</sup> J. Greenbowe,<sup>2</sup> J. Chung,<sup>2</sup> M. Bailey,<sup>2</sup> N. Bahary,<sup>3</sup> H. Zeh,<sup>3</sup> R.E. Brand,<sup>3</sup> P. Stephens,<sup>2</sup> J. Ross,<sup>2</sup> V. Miller,<sup>2</sup> S. Ali,<sup>2</sup> B. George.<sup>4</sup>

<sup>1</sup>Department of Pathology, University of Pittsburgh, Pittsburgh, PA; <sup>2</sup>Foundation Medicine, Inc., Cambridge, MA; <sup>3</sup>University of Pittsburgh Medical Center, Pittsburgh, PA; <sup>4</sup>Medical College of Wisconsin, Milwaukee, WI.

**A System Biology Approach via Connectivity Mapping (CMAP) to Identify New Therapeutic Targets Against Lethal Pancreatic Cancer**

P. Atri,<sup>1</sup> D. Ghera,<sup>2</sup> S. Kaur,<sup>1</sup> M. Ponnusamy,<sup>1</sup> S.K. Batra.<sup>1</sup>

<sup>1</sup>Biochemistry and Molecular Biology, UNMC, Omaha, NE; <sup>2</sup>School of Interdisciplinary Informatics, College of Information Science and Technology, University of Nebraska Omaha, Omaha, NE.

**Defining DDR Defectiveness and Replication Stress in Pancreatic Cancer**

S.B. Dreyer,<sup>1,2</sup> E.M. Lampraki,<sup>1</sup> V. Paulus-Hock,<sup>1</sup> R. Upstill-Goddard,<sup>1</sup> G. Caligiuri,<sup>1</sup> P. Bailey,<sup>1</sup> D.K. Chang,<sup>1,2</sup> A.V. Biankin,<sup>1,2,3</sup>

<sup>1</sup>Wolfson Wohl Institute of Cancer Sciences, University of Glasgow, Glasgow, United Kingdom; <sup>2</sup>Glasgow Royal Infirmary, West of Scotland Pancreatic Unit, Glasgow, United Kingdom; <sup>3</sup>South Western Sydney Clinical School, Faculty of Medicine, University of New South Wales, Sydney, Australia

**Therapeutic Targeting of MLL3 Mutant Pancreatic Cancer**

S. Gupta,<sup>1</sup> S. Ferri-Borgogno,<sup>1</sup> M.R. Reisenauer,<sup>1</sup> A.K. Gupta,<sup>1</sup> A. Maitra.<sup>2</sup>

<sup>1</sup>Pathology, The UT MD Anderson Cancer Center, Houston, TX; <sup>2</sup>MD Anderson Cancer Center, Houston, TX.

**Locally Dysregulated Serotonin System Enhances Warburg Effect to Support Pancreatic Cancer Survival under Metabolic Stress**

Z. Zhang

State Key Laboratory of Oncogenes and Related Genes, Shanghai Cancer Institute, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, China

**Screening for Pancreatic Cancer in New-Onset Diabetes May Identify 20% of Incident Cases: A Population Based Study**

A. Sharma,<sup>1</sup> K. Chaffee,<sup>2</sup> W. Bamlet,<sup>2</sup> B. Broderick,<sup>2</sup> A. Oberg,<sup>2</sup> G. Petersen,<sup>2</sup> S. Chari.<sup>1</sup>

<sup>1</sup>Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN; <sup>2</sup>Department of Health Sciences Research, Mayo Clinic, MN.

**Gut Microbiome Depletion Decreases Tumor Burden in Murine Models of Pancreatic Cancer**

V. Sethi, B. Giri, B. Garg, M. Tarique, S. Lavania, L. Hellmund, Z. Malchiodi, S. Banerjee, S. Roy, S. Ramakrishnan, A. Saluja, V. Dudeja. Surgery, University of Miami, Miami, FL.

10:00 – 10:15am	<p>Break</p> <p>Location   <i>Commodore Foyer</i></p>
10:15 – 11:40am	<p><b>MINI SYMPOSIUM: Novel Therapeutic Targets in Pancreatitis</b></p> <p>Location   <i>Commodore Ballroom CDE</i></p> <p>Chair   Barbara H. Jung, MD and Joachim Mössner, MD</p> <p>Julia V. Mayerle, MD, Ludwig-Maximilians-Universität, Munich, Germany <i>Protease inhibition for the Treatment of Pancreatitis: A Concept to be Revisited?</i></p> <p>Robert Sutton, BA, MB, BS, DPhil, FRCS, University of Liverpool, UK <i>Drugs for Pancreatitis: Progress and Prospects</i></p> <p>Sohail Z. Husain, MD, Children's Hospital of Pittsburgh of UPMC <i>Targeting the Calcium Effector Calcineurin in Pancreatitis</i></p> <p>Atsushi Masamune, PhD, Tohoku University, Sendai, Japan <i>Using Genetics to Identify Novel Therapeutic Targets in Pancreatitis</i></p> <p>Vijay P. Singh, MBBS, Mayo Clinic College of Medicine <i>When the Oils we Love Fuel the Fire Within: Lessons from Severe Pancreatitis</i></p>
11:40-12:10 pm	<p><b>Paul Webster Clinical State of the Art Lecture</b></p> <p>Location   <i>Commodore Ballroom CDE</i></p> <p>Introduction   Ashok K. Saluja, PhD</p> <p>Markus M. Lerch, MD, Ernst-Moritz-Arndt-University Greifswald, Germany <i>The Shifting Landscape of Pancreatitis</i></p>
12:10 – 2:00 pm	<p>Lunch &amp; Poster Session / <i>Non-CME event</i></p> <p>Lunch   <i>Pavilion</i></p> <p>Poster Session</p> <p>Location   <i>Pavilion</i></p> <p>Guided viewing of the posters of distinction – 1-2pm</p> <p>Meet at Registration / Location   <i>Pavilion Foyer</i></p>
2:00 – 3:00pm	<p><b>Pancreatitis Abstract Session</b></p> <p>Location   <i>Commodore Ballroom CDE</i></p> <p>Moderators   Aditi Bhargava, PhD and Guy E. Groblewski, PhD</p> <p><b>Treatment With Volanesorsen (VLN) Reduced Triglycerides and Pancreatitis in Patients With Familial Chylomicronemia Syndrome (FCS) and Severe Hypertriglyceridemia (sHTG) vs Placebo: Results of the APPROACH and COMPASS Studies</b></p> <p>A.A. Gelrud,<sup>1</sup> A. Digenio,<sup>2</sup> V. Alexander,<sup>3</sup> K.R. Williams,<sup>4</sup> <u>A. Hsieh</u>,<sup>5</sup> I. Gouni-Berthold,<sup>6</sup> E. Bruckert,<sup>7</sup> E. Stroes,<sup>8</sup> R. Geary,<sup>9</sup> S. Hughes,<sup>9</sup> S. Tsmikas<sup>10</sup>, J.L. Witztum,<sup>11</sup> D. Gaudet.<sup>12</sup></p> <p><sup>1</sup>Pancreas Center, University of Chicago, Pancreas Center, Chicago, IL; <sup>2</sup>Clinical Development, Akcea Therapeutics Inc, Cambridge, MA; <sup>3</sup>Clinical Development, Ionis Pharmaceutical, Carlsbad, CA; <sup>4</sup>Medical Affairs, Akcea Therapeutics,</p>



Cambridge, MA; <sup>5</sup>Medical Affairs, Akcea Therapeutics Inc, Cambridge, MA; <sup>6</sup>Polyclinic for Endocrinology Diabetes and Preventative Medicine, University of Cologne, Cologne, Germany; <sup>7</sup>Institut E<sup>3</sup>M et IHU Cardiometabolique (ICAN), Hôpital Pitié-Salpêtrière, Paris, France; <sup>8</sup>Vascular Medicine, Academic Medical Center, Amsterdam, Netherlands; <sup>9</sup>Ionis Pharmaceuticals, Carlsbad, CA; <sup>10</sup>Clinical Development/Cardiology, Ionis Pharmaceuticals, Carlsbad, CA and UC San Diego, La Jolla, CA; <sup>11</sup>Ionis Pharmaceuticals, Carlsbad, CA and UC San Diego, La Jolla, CA <sup>12</sup>Universite de Montreal, Montreal, Canada.

### **Enhanced Recovery in Acute Pancreatitis (RAPTOR): A Randomized Controlled Trial**

E. Dong,<sup>1</sup> J.I. Chang,<sup>2</sup> D. Verma,<sup>2</sup> M. Batech,<sup>3</sup> C. Villarin,<sup>3</sup> K.K. Kwok,<sup>2</sup> W. Chen,<sup>3</sup> B.U. Wu.<sup>2</sup> <sup>1</sup>Internal Medicine, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA; <sup>2</sup>Gastroenterology, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA; <sup>3</sup>Kaiser Permanente Research and Evaluation, Pasadena, CA.

### **Characterization of Collagen Producing Cells in Acute Pancreatitis via Lineage Tracing**

Y. Cao, B. Cheng, J. Li, J. Bailey, M. Younes, T. Ko. UTHSC-Houston, TX.

### **Sensing of Cell Death by DNA Sensor STING Mediates Acute Pancreatitis**

Q. Zhao,<sup>1</sup> Y. Wei,<sup>1</sup> L. Li,<sup>2</sup> A. Habtezion.<sup>1</sup>

<sup>1</sup>Division of Gastroenterology and Hepatology, Stanford University School of Medicine, Stanford, CA; <sup>2</sup>Biochemistry Department and the ChEM-H Institute, Stanford University, Stanford, CA

### **Systemic Inflammation During Acute Pancreatitis is Regulated by NLRP3 Inflammasome Activation in Pancreatic Macrophages**

M. Sendler,<sup>1</sup> C. Van Den Brandt,<sup>1</sup> F.U. Weiss,<sup>1</sup> J. Golchert,<sup>2</sup> G. Homuth,<sup>2</sup> M.M. Lerch,<sup>1</sup> J. Mayerle.<sup>3</sup>

<sup>1</sup>Department of Medicine A, University Medicine Greifswald, Greifswald, Germany, <sup>2</sup>Interfaculty Institutes for Genetics and Functional Genomics, University Medicine Greifswald, Greifswald, Germany, <sup>3</sup>Department of Medicine II, University Hospital München-Grosshadern of the LMU, München, Germany

3:00 – 4:20pm

### **MINI SYMPOSIUM: Imaging the Pancreas**

Location | *Commodore Ballroom CDE*

Chair | Murray Korc, MD and Zoltan Rakonczay, MD, PhD

Alice M. Wyrwicz, PhD, NorthShore University Health System and the University of Chicago Pritzker School of Medicine

*MR Microimaging of Pre-Neoplastic Pathology in Mutant Kras Mouse Models of Pancreatic Cancer*

Vinay Chandrasekhara, MD, Mayo Clinic Rochester

*Updates in EUS Imaging of the Pancreas*

Jason S. Lewis, PhD, Memorial Sloan Kettering Cancer Center

*Recent Advances in the PET Imaging of Pancreatic Cancer*

Richard Bold, MD, UC Davis Comprehensive Cancer Center  
*Molecular Imaging of  $\alpha_v\beta_6$  in Pancreatic Cancer*

Michael Bouvet, MD, FACS, University of California San Diego  
*Fluorescence Guided Surgery for Pancreatic Cancer*

4:20 – 4:40pm

Break  
Location | *Commodore Foyer*

4:40 – 6:00pm

**MINI SYMPOSIUM: Precision Medicine in Pancreatitis Management**

Location | *Commodore Ballroom CDE*

Chair | Walter G. Park, MD and Tooru Shimosegawa, MD

Kazuichi Okazaki, MD, PhD, Kansai Medical University, Japan  
*Current Perspectives in the Precision Management of Pancreatitis*

Pramod Garg, MD, All India Institute of Medical Sciences, New Delhi, India  
*Management of Acute Pancreatitis: The Future Beckons Us*

Jeffrey B. Matthews, MD, FACS, University of Chicago Medicine  
*Precision Surgery for Pancreatitis: Decisions and Incisions*

Aliye Uc, MD, University of Iowa Stead Family Children's Hospital  
*Precision Medicine in the Management of Pediatric Pancreatitis*

7:00 – 10:00pm

Awards Dinner & Reception / *Non-CME event*

Reception 7:00 – 8:00 pm

Location | *Bay Terrace*

Dinner 8:00 – 10:00 pm

Location | *Commodore Ballroom CDE*

**FRIDAY, November 10**

*Commodore Ballroom CDE*

7:00 – 8:00am

Breakfast & Poster Viewing

Breakfast/ *Non-CME event*

Location | *Pavilion*

Poster Viewing

Location | *Pavilion*

8:00 – 9:30 am

**Pancreatitis Abstract Session**

Location | *Commodore Ballroom CDE*

Chairs | Herbert Y. Gaisano, MD and Thomas Mace, PhD

**A Randomized Trial of Rectal Indomethacin and Papillary Spray of Epinephrine Versus Rectal Indomethacin Alone for the Prevention of Post-ERCP Pancreatitis in High Risk Patients**

A. Kamal,<sup>1</sup> V. Akshintala,<sup>1</sup> R. Talukdar,<sup>2</sup> M.K. Goenka,<sup>3</sup> R. Kochhar,<sup>4</sup> S. Lakhtakia,<sup>2</sup> M.K. Ramchandani,<sup>2</sup> S. Sinha,<sup>4</sup> R. Goud,<sup>2</sup> V.K. Rai, Vijay K,<sup>3</sup> B.J. Elmunzer,<sup>5</sup> M. Khashab,<sup>1</sup> A. Kalloo,<sup>6</sup> N. Reddy,<sup>2</sup> V.K. Singh.<sup>1</sup> <sup>1</sup>Gastroenterology, Johns Hopkins Hospital, Baltimore, MD; <sup>2</sup>Asian Institute of Gastroenterology, Hyderabad, India; <sup>3</sup>Apollo Gleneagles Hospital, Kolkata, India; <sup>4</sup>Postgraduate Institute of Medical Education and Research, Chandigarh, India; <sup>5</sup>Medical University of South Carolina, Charleston, SC; <sup>6</sup>Gastroenterology, Johns Hopkins Hospital, Baltimore, MD.

**Glucose-Responsive Oxygen Consumption Rate in Islets From Chronic Pancreatitis Patients is Size Dependent: Novel Islet Quality Assessment Through Bioenergetic Phenotyping**

Z. Swanson, J. Wilhelm, M.D. Bellin, B. Hering.

Surgery, University of Minnesota, Minneapolis, MN

**Minimally Invasive Surgery Versus Endoscopy Randomized (MISER) Trial for Necrotizing Pancreatitis**

J.Y. Bang<sup>1</sup>, J.P. Arnoletti<sup>2</sup>, U. Navaneethan<sup>1</sup>, M. Hasan<sup>1</sup>, R. Hawes<sup>1</sup>, S. Varadarajulu<sup>1</sup>

<sup>1</sup>Center for Interventional Endoscopy, Florida Hospital, Orlando, FL; <sup>2</sup>Surgery, Florida Hospital, Orlando, FL

**Pancreatitis-Induced Depletion of Syntaxin-2 Deregulates Autophagy and Enhances Basolateral Exocytosis**

H. Gaisano, S. Dolai.

University of Toronto, Toronto, Canada

**Enhancing Autophagic Activity With Trehalose Normalizes Multiple Pathways and Greatly Ameliorates Experimental Acute Pancreatitis**

O.A. Mareninova,<sup>1</sup> E.T. Vegh,<sup>1,2</sup> S.R. Gretler,<sup>1</sup> S.W. French,<sup>3</sup> I. Gukovsky,<sup>1</sup> A.S. Gukovskaya.<sup>1</sup> <sup>1</sup>Medicine, UCLA/ VAGLAHS, CA; <sup>2</sup>University of Szeged, Szeged, Hungary; <sup>3</sup>Harbor-UCLA Medical Center, CA.

**Morphine Worsens the Severity of Acute Pancreatitis in Ethanol-Palmitoleic Acid Model of Acute Pancreatitis**

H. Cheema, J. George, G. Gonzalez, V. Dudeja, R. Dawra, S. Roy, A. Saluja.

Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL

**A Trypsinogen Activation Peptide Mutation Worsens Cerulein-Induced Pancreatitis in the Mouse**

Z. Jancso, M. Sahin-Toth

Molecular and Cell Biology, Boston University, Boston, MA

9:30-10:00am

**Frank Brooks State of the Art Lecture**

**(Basic Science)**

Location | *Commodore Ballroom CDE*

Introduction | Anil K. Rustgi, MD

Ronald M. Evans, PhD, Salk Institute for Biological Studies

*Controlling Stroma to Corral Pancreatic Cancer*

10:00 - 10:15am	<p>Break</p> <p>Location   <i>Commodore Foyer</i></p>
10:15 - 12:00pm	<p><b>MINI SYMPOSIUM: Fibrosis in Pancreatic Diseases: Friend or Foe?</b></p> <p>Location   <i>Commodore Ballroom CDE</i></p> <p>Chairs   Stephen P. James, MD and Min Li, PhD</p> <p><u>State of the Art Lecture</u></p> <p>David A. Brenner, MD, University of California San Diego <i>Lessons from Liver Fibrosis</i></p> <p>Minoti Apte, PhD, University of New South Wales, Australia <i>Learning from Our Scars</i></p> <p>Vikas Dudeja, MD, University of Miami Miller School of Medicine <i>Therapeutic Targeting of Fibrosis in Chronic Pancreatitis</i></p> <p>Aida Habtezion, MD, Stanford University <i>Aryl Hydrocarbon Receptor Ligands in Cigarette Smoke Promote Fibrosis in Pancreatitis</i></p> <p>Stephanie I. Fraley, PhD, UC San Diego <i>A Conserved Metastatic Migration Phenotype is Triggered by Confining Collagen Architectures</i></p> <p>Andrew D. Rhim, MD, MD Anderson Cancer Center <i>Novel Factors Affecting the Pancreatic Tumor Microenvironment</i></p>
12:00 – 2:00 pm	<p>Lunch &amp; Poster Session / <i>Non-CME event</i></p> <p>Poster Session</p> <p>Location   <i>Pavilion</i></p> <p>Guided viewing of the posters of distinction – 1-2pm</p> <p>Meet at Registration / Location   <i>Pavilion Foyer</i></p>
2:00 - 2:30pm	<p><b>Business Meeting</b></p> <p>Location   Commodore Ballroom CDE</p> <p><b>Presidential Address</b> Miklos Sahin-Toth, MD, PhD</p> <p><b>Secretary-Treasurer's Report</b> Ashok K. Saluja, PhD</p> <p><b>Report from the Nominating Committee</b> Miklos Sahin-Toth, MD, PhD</p>
2:30 - 3:30pm	<p><b>MINI SYMPOSIUM: From Radiology to Radiomics in Pancreatic Cancer</b></p> <p>Chair   Dana K. Andersen, MD and Igor Astsaturov, MD, PhD</p> <p>Alec J. Megibow, MD, NYU-Langone Health <i>Pancreatic cysts: New recommendations from American College of Radiology</i></p> <p>Eugene J. Koay, MD, PhD, MD Anderson Cancer Center <i>CT Imaging-Based Biomarkers of Pancreatic Ductal Adenocarcinoma</i></p>

Jennifer B. Permuth, PhD, Moffitt Cancer Center  
*A Radiogenomic Approach May Improve Prediction of Malignant Pathology in Patients with Intraductal Papillary Mucinous Neoplasms of the Pancreas*

3:30 – 3:45pm

Break  
Location | *Commodore Foyer*

3:45 - 5:00pm

**Controversies in Pancreatology: Can We Define Early CP?**

Location | *Commodore Ballroom CDE*

Chairs | Carlos Fernandez-del Castillo, MD and Martin L. Freeman, MD

David Whitcomb, MD, PhD, University of Pittsburgh Medical Center  
*Yes*

Tooru Shimosegawa, MD, Tohoku University, Japan  
*Yes*

Darwin L. Conwell, MD, MS, Ohio State University Wexner Medical Center  
*No*

Suresh Chari, MD, Mayo Clinic, Rochester  
*No*

5:00 - 6:30pm

**Parallel Session: (Clinical Science Abstracts)**

Location | *Commodore Ballroom CDE*

Chairs | Pauli Puolakkainen, MD, PhD and Kyoichi Takaori, MD, PhD

**Oral pancreatic enzyme replacement therapy (PERT) in patients with pancreatic cancer (PCa) is infrequent and suboptimal. A national level analysis**

C. Forsmark<sup>1</sup>, G. Tang<sup>2</sup>, M. Tuft<sup>2</sup>, H. Xu<sup>1</sup>, S.J. Hughes<sup>3</sup>, D. Yadav<sup>4</sup>;  
<sup>1</sup>Gastroenterology, University of Florida, Gainesville, FL, <sup>2</sup>Gastroenterology, University of Pittsburgh, PA, <sup>3</sup>Surgery, University of Florida, Gainesville, FL, <sup>4</sup>Division of Gastroenterology, Hepatology, and Nutrition, University of Pittsburgh Medical Center, Pittsburgh, PA.

**EN-RAGE is an Early Predictive Biomarker for Acute Pancreatitis**

A. Sud,<sup>1</sup> J. Armstrong,<sup>2</sup> D. Latawiec,<sup>2</sup> R. Furze,<sup>3</sup> N. Smithers,<sup>3</sup> N. Galwey,<sup>3</sup> R. Sutton.<sup>1</sup> <sup>1</sup>Department of Molecular and Clinical Cancer Medicine, NIHR Liverpool Pancreas Biomedical Research Unit, Liverpool/United Kingdom, <sup>2</sup>Department of Molecular and Clinical Cancer Medicine, University of Liverpool, NIHR Liverpool Pancreas Biomedical Research Unit, Liverpool, United Kingdom, <sup>3</sup>Immuno-Inflammation Therapeutic Area, Medicines Research Centre, GSK Epinova DPU, Stevenage, Hertfordshire, United Kingdom.

**Outcomes for Interventions for Acute Necrotic Collections (ANC) Compared to Walled off Necrosis (WON) Using an Endoscopically Based Step-Up Approach for Necrotizing Pancreatitis (NP)**

G. Trikudanathan, P. Tawfik, S. Amateau, S. Munigala, M. Arain, R. Attam, M. Freeman, S. Mallery.  
Gastroenterology, University of Minnesota, Minneapolis, MN.



### **Pancreatobiliary vs Head and Neck Manifestations in IgG4-Related Disease: Distinct Subsets of the Same Disease**

S. Mohapatra,<sup>1</sup> A. Sharma,<sup>2</sup> S. Chari.<sup>3</sup>

<sup>1</sup>Internal Medicine, Saint Peter's University Hospital, New Brunswick, NJ;

<sup>2</sup>Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN;

<sup>3</sup>Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

### **Alterations in KRAS, CDKN2A, TP53, and SMAD4 Predict Disease-Free Survival in Resected Pancreatic Ductal Adenocarcinoma**

V. Morales-Oyarvide,<sup>1</sup> Z. Qian,<sup>2</sup> D.A. Robinson,<sup>1</sup> J.A. Nowak,<sup>3</sup> R.F. Dunne,<sup>4</sup> M. Kozak,<sup>5</sup> M. Welch,<sup>1</sup> L.K. Brais,<sup>1</sup> A. Da Silva,<sup>2</sup> T. Li,<sup>2</sup> W. Li,<sup>2</sup> A. Masuda,<sup>2</sup> J. Yang,<sup>2</sup> Y. Shi,<sup>2</sup> M. Gu,<sup>2</sup> Y. Masugi,<sup>2</sup> J. Bui,<sup>5</sup> C. Zellers,<sup>1</sup> C. Yuan,<sup>1</sup> A. Babic,<sup>1</sup> N. Khalaf,<sup>6</sup> A. Aguirre,<sup>1</sup> K. Ng,<sup>1</sup> R. Miksad,<sup>7</sup> A. Bullock,<sup>7</sup> D. Chang,<sup>5</sup> J. Tseng,<sup>8</sup> T. Clancy,<sup>9</sup> D. Linehan,<sup>10</sup> J. Findeis-Hosey,<sup>11</sup> L. Doyle,<sup>12</sup> A. Thorner,<sup>1</sup> M. Ducar,<sup>12</sup> B. Wollison,<sup>13</sup> A. Laing,<sup>13</sup> W. Hahn,<sup>1</sup> M. Meyerson,<sup>1</sup> C.S. Fuchs,<sup>1</sup> S. Ogino,<sup>2</sup> J. Hornick,<sup>12</sup> A. Hezel,<sup>4</sup> A. Koong,<sup>5</sup> B.M. Wolpin.<sup>1</sup>

<sup>1</sup>Department of Medical Oncology, Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA; <sup>2</sup>Department of Oncologic Pathology, Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA; <sup>3</sup>Program in MPE Molecular Pathological Epidemiology, Department of Pathology, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; <sup>4</sup>Department of Medicine, Division of Hematology and Oncology, Wilmot Cancer Institute, University of Rochester Medical Center, Rochester, NY; <sup>5</sup>Department of Radiation Oncology, Stanford Cancer Institute, Stanford, CA; <sup>6</sup>Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; <sup>7</sup>Department of Hematology and Oncology, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA; <sup>8</sup>Department of Surgery, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA; <sup>9</sup>Department of Surgery, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; <sup>10</sup>Department of Surgery, University of Rochester Medical Center, Rochester, NY; <sup>11</sup>Department of Pathology, University of Rochester Medical Center, Rochester, NY; <sup>12</sup>Department of Pathology, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; <sup>13</sup>Center for Cancer Genome Discovery, Dana-Farber Cancer Institute, Boston, MA.

### **The 2012 International Consensus Guidelines of Intraductal Papillary Mucinous Neoplasms of the Pancreas (Fukuoka Criteria) Predict the Malignant Potential, Even in the Actual Clinical Situations**

Y. Okamura,<sup>1</sup> S. Sano,<sup>1</sup> T. Sugiura,<sup>1</sup> T. Ito,<sup>1</sup> Y. Yamamoto,<sup>1</sup> R. Ashida,<sup>1</sup> K. Sasaki,<sup>2</sup> K. Uesaka.<sup>1</sup> Division of Hepato-Biliary-Pancreatic surgery, Shizuoka Cancer Center, Sunto-Nagaizumi, Shizuoka, Japan, <sup>2</sup>Division of Pathology, Shizuoka Cancer Center, Shizuoka, Japan.

### **Changes in Body Composition During Neoadjuvant Treatment for Pancreatic Cancer**

M. Sandini,<sup>1</sup> M. Patino,<sup>2</sup> C.A. Alvarez-Pérez,<sup>3</sup> K.C. Honselmann,<sup>1</sup> C.R. Ferrone,<sup>1</sup> S. Paiella,<sup>4</sup> M. Catania,<sup>5</sup> L. Riva,<sup>6</sup> G. Tedesco,<sup>5</sup> R. Casolino,<sup>7</sup> A. Auriemma,<sup>7</sup> M.C. Salandini,<sup>8</sup> G. Carrara,<sup>8</sup> G. Cristel,<sup>9</sup> A. Damascelli,<sup>9</sup> D. Ippolito,<sup>6</sup> M. D'Onofrio,<sup>5</sup>

K.D. Lillemoe,<sup>1</sup> C. Bassi,<sup>10</sup> M. Braga,<sup>8</sup> L. Gianotti,<sup>11</sup> D. Sahani,<sup>2</sup> C. Fernandez-Del Castillo.<sup>1</sup>

<sup>1</sup>Surgery, Massachusetts General Hospital, Boston, MA; <sup>2</sup>Radiology, Massachusetts General Hospital, Boston, MA; <sup>3</sup>Department of Radiology, Hospital Universitario Dr. José Eleuterio González, Mexico; <sup>4</sup>General and Pancreatic Surgery Department, Pancreas Institute, Italy; <sup>5</sup>Radiology, Pancreas Institute, Italy; <sup>6</sup>Radiology, School of Medicine and Surgery, San Gerardo Hospital, University of Milano-Bicocca, Italy; <sup>7</sup>Oncology, General and Pancreatic Surgery Department, Pancreas Institute, Italy; <sup>8</sup>Surgery, Vita-Salute San Raffaele University, Italy; <sup>9</sup>Radiology, Vita-Salute San Raffaele University, Italy; <sup>10</sup>General and Pancreatic Department, Pancreas Institute, Italy; <sup>11</sup>Surgery, School of Medicine and Surgery, San Gerardo Hospital, University of Milano-Bicocca, Italy.

5:00 - 6:30pm

### **Parallel Session: (Basic Science Abstracts)**

Location | *Constellation*

Chairs | Paul Grippo, PhD and Ilya Gukovsky, PhD

### **Nfic is a Novel Nr5a2 Interactor and Regulator of the Pancreatic Acinar Program**

I. Cobo<sup>1</sup>, J. Melià<sup>2</sup>, F. García<sup>3</sup>, J.-C. Park<sup>4</sup>, J. Muñoz<sup>3</sup>, F.X. Real<sup>1</sup>; <sup>1</sup>Cancer Cell Biology Program, Spanish National Cancer Research Center, Madrid/Spain, <sup>2</sup>Humanitas Research Center/Italy, <sup>3</sup>Proteomic Unit, Spanish National Cancer Biology. School of Dentistry, Seoul National University, Seoul, Republic of Korea.

### **Generating Pancreatic Ductal Adenocarcinoma From Normal Human Acinar and Ductal Cells**

P. Wang,<sup>1</sup> N. Akanuma,<sup>1</sup> J. Liu,<sup>1</sup> M. Nipper,<sup>1</sup> M. Gao,<sup>1</sup> K. Bejar,<sup>1</sup> A.D. Singhi,<sup>2</sup> H. Wang,<sup>3</sup> H. Crawford.<sup>4</sup>

<sup>1</sup>UT Health Science Center, The University of Texas Health San Antonio, San Antonio, TX; <sup>2</sup>University of Pittsburgh, Pittsburgh, PA; <sup>3</sup>Department of Pathology, The University of Texas M.D. Anderson Cancer Center, Houston, TX; <sup>4</sup>Department of Molecular and Integrative Physiology & Internal Medicine, University of Michigan Health System, Ann Arbor, MI.

### **A Novel Mouse Model With Bigenic Targeting of Activated Pancreatic Stellate Cells**

H.-Y. Su,<sup>1</sup> R.T. Waldron,<sup>2</sup> S.J. Pandol,<sup>2</sup> A. Lugea.<sup>2</sup>

<sup>1</sup>Cedars-Sinai Medical Center, Los Angeles, CA; <sup>2</sup>Department of Medicine, Cedars-Sinai Medical Center and University of California, Los Angeles, CA

### **The SNARE Priming Factor Calcium-Dependent Activator Protein for Secretion 2 (CAPS2) Regulates Trypsinogen Trafficking and Intracellular Trypsinogen Activation**

S. Messenger, SE Maciuba, TF Martin.

Department of Biochemistry, University of Wisconsin-Madison, Madison, WI

### **D52 is a Homeostatic Regulator of Acinar Cells In Vivo**

E.K. Jones, D.D.H. Thomas, M. Cooley, N.Y. Ly, G.E. Groblewski  
University of Wisconsin, Madison, WI

### **A Role for Pancreatic NFAT in Pancreatitis**

L. Wen,<sup>1</sup> T. Javed,<sup>1</sup> A. Orabi,<sup>1</sup> S. Husain.<sup>2</sup>

<sup>1</sup>Department of Pediatrics, University of Pittsburgh, Pittsburgh, PA; <sup>2</sup>Department of Pediatrics, University of Pittsburgh, Pittsburgh, PA.

### **Hypothermic Interference With Bile Acid (BA) Micellar Breakdown (MBD) Reduces Systemic Bile Acid Toxicity**

B. Khatua, C. De Oliveira, B. El-Kurdi, K. Patel, V. Singh.  
Department of Medicine, Mayo Clinic, Scottsdale, AZ

7:00pm

### **Women in Pancreas Reception & Dinner** / *Non-CME event*

Reception Location | *Bay Terrace*

Dinner Location | *Constellation B*

#### Keynote Speaker

Sheila E. Crowe, MD, FRCPC, FACP, FACG, AGAF

University of California San Diego

*2017 - The Year of Women Leading Digestive Disease Societies*

Co-chairs | Aida Habtezion, MD, MSc, Kimberly Kelly, PhD, Aliye Uc, MD  
Sponsored by AbbVie

## **SATURDAY, November 11**

*Commodore Ballroom CDE*

7:00 – 8:00am

Breakfast

Location | *Pavilion*

8:00 – 9:30am

### **Pancreatic Cancer Abstract Session**

Location | *Commodore Ballroom CDE*

Chairs | Johanna Laukkarinen, MD and Michael VanSaun, PhD

#### Keynote Speaker

Sulagna Banerjee, PhD, University of Miami Miller School of Medicine

*Tumor Microenvironment-mediated Metabolic Reprogramming in Pancreatic Tumor Initiating Cells*

### **Stromal Fibroblasts Drive Single Cell Heterogeneity in Pancreatic Cancer**

L. Matteo,<sup>1,2</sup> S. Srinjoy,<sup>1</sup> S. Misale,<sup>3</sup> M. Karabacak,<sup>4</sup> J. Malagon-Lopez,<sup>4</sup> N. Vincent Jordan,<sup>4</sup> N. Desai,<sup>4</sup> K. Arora,<sup>4</sup> A. Kulkarni,<sup>4</sup> M. Rajurkar,<sup>4</sup> M. Di Pilato,<sup>1</sup> M. Boukhali,<sup>4</sup> J. Fatherree,<sup>4</sup> E. Tai,<sup>4</sup> K. Vo,<sup>4</sup> L. Damon,<sup>4</sup> K. Xega,<sup>4</sup> R. Desai,<sup>4</sup> M. Choz,<sup>4</sup> F. Bersani,<sup>4</sup> V. Thapar,<sup>4</sup> M. Rivera,<sup>4</sup> V. Deshpand,<sup>4</sup> C. Benes,<sup>4</sup> L. Nieman,<sup>4</sup> S. Maheswaran,<sup>4</sup> D.A. Haber,<sup>4</sup> C. Fernandez-Del Castillo,<sup>2</sup> C.R. Ferrone,<sup>2</sup> W. Haas,<sup>4</sup> M.J. Aryee,<sup>4</sup> D. Ting.<sup>5</sup>

<sup>1</sup>Massachusetts General Hospital, Boston, MA; <sup>2</sup>Surgery, Massachusetts General Hospital, Boston, MA; <sup>3</sup>Memorial Sloan Kettering, New York, NY; <sup>4</sup>Cancer Center, Massachusetts General Hospital, Boston, MA; <sup>5</sup>Massachusetts General Hospital Cancer Center, Charlestown, MA.

### **CDKN2A Deletion Confers Resistance to MEK Inhibition in Pancreatic Cancer**

A. Gaidarski,<sup>1</sup> J. Castellanos,<sup>2</sup> C. Roberts,<sup>1</sup> P. Lamichhane,<sup>3</sup> X. Dai,<sup>1</sup> M. Vansaun,<sup>1</sup> N. Nagathihalli,<sup>4</sup> N. Merchant.<sup>1</sup>

<sup>1</sup>Surgery, University of Miami, Miami, FL; <sup>2</sup>Surgery, Vanderbilt University, Nashville, TN; <sup>3</sup>Surgery, University of Miami, Miami, FL; <sup>4</sup>Surgery, University of Miami, Miami, FL.

**Long Non-coding RNA HULC Derived From Circulating Extracellular Vesicles Would Correlate With Tumor Invasion and Metastasis in Patients With Pancreatic Cancer**

K. Takahashi, Y. Ota, H. Iwamoto, K. Yamakita, Y. Kitano, Y. Makino.  
Division of Metabolism and Biosystemic Science, Department of Medicine, Asahikawa Medical University, Asahikawa, Japan.

**The Diagnostic Accuracy of Endoscopic Ultrasonography (EUS)-guided Needle Based Confocal Laser Endomicroscopy (nCLE) is Superior to Current Standard of Care for Differentiating Mucinous From Non-mucinous Pancreatic Cystic Lesions (PCLs)**

S.G. Krishna,<sup>1</sup> A. Malli,<sup>2</sup> S.T. McCarthy,<sup>1</sup> S. Eldika,<sup>1</sup> J.P. Walker,<sup>1</sup> P.A. Hart,<sup>3</sup> A.D. Singhi,<sup>4</sup> Z. Cruz-Monserrate,<sup>3</sup> D.L. Conwell.<sup>3</sup>

<sup>1</sup>The Ohio State University Wexner Medical Center, Columbus, OH; <sup>2</sup>The Ohio State University Wexner Medical Center, Columbus, OH; <sup>3</sup>The Ohio State University Wexner Medical Center, Columbus, OH; <sup>4</sup>University of Pittsburgh, Pittsburgh, PA.

**Perioperative Hydrocortisone Treatment Reduces Postoperative Pancreatic Fistula After Distal Pancreatectomy in a Randomized Controlled Trial**

A. Antila,<sup>1</sup> A. Siiki,<sup>1</sup> J. Sand,<sup>2</sup> J. Laukkarinen.<sup>2</sup>

<sup>1</sup>Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; <sup>2</sup>Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland

**A Novel Pre-Therapeutic Prognostic Bioscore Accurately Predicts Postoperative Survival in Potentially Resectable Pancreatic Cancer**

O. Strobel, T. Reiner, U. Hinz, T. Hank, A.K. König, W. Niesen, J. Kaiser, T. Hackert, M.W. Büchler; Department of General Surgery, University Hospital, Heidelberg, Germany

9:30 – 10:30am

**MINI SYMPOSIUM: Immunotherapy in Pancreatic Cancer**

Location | *Commodore Ballroom CDE*

Chairs | Margaret Tempero, MD and Andrew M. Lowy, MD

Judith A. Varner, PhD, Moores Cancer Center, University of California, San Diego  
*Therapeutic Approaches to Target Tumor Associated Macrophages in Pancreatic Cancer*

Christina Twyman-Saint Victor, MD, University of Pennsylvania Perelman School of Medicine  
*Improving the Response of Immune Checkpoint Inhibitors in PDAC*

Florencia McAllister, MD, University of Texas MD Anderson Cancer Center  
*Unhelpful T Helper Cells Promoting Pancreatic Cancer Stemness*

Nipun Merchant, MD, University of Miami Miller School of Medicine  
*Reprogramming the Tumor Microenvironment to Enhance Immunotherapy in Pancreas Cancer*

10:30 – 10:45am

Break  
Location | *Commodore Foyer*

10:45 – 12:00pm

**MINI SYMPOSIUM: Clinical Trials in Pancreatitis**

Location | *Commodore Ballroom CDE*

Chairs | Stephen J. Pandol, MD and Vijay P. Singh, MBBS

Christopher E. Forsmark, MD, University of Florida  
*Enzyme Replacement in PEI- Do We Know Who, Why, How, and When?*

Bechien U. Wu, MD, Kaiser Permanente Southern California  
*Trials (and Tribulations) in Acute Pancreatitis*

Christie Jeon, ScD, Cedars-Sinai Medical Center  
*Simvastatin Trial to Reduce the Risk of Recurrent Acute Pancreatitis: Challenges and Opportunities*

Andrea Parniczky, MD, PhD, University of Pecs, Hungary  
*Clinical Trials in Pediatric Pancreatitis*

Santhi S. Vege, MD, Mayo Clinic Rochester  
*Why is it so Hard to do a Clinical Drug Trial in Acute Pancreatitis*

12:00 – 1:00pm

**PANCAN Young Investigators Symposium**

Location | *Commodore Ballroom CDE*

Chairs | Craig Logsdon, PhD and Nipun Merchant, MD

Ingunn Stromnes, PhD, University of Minnesota  
*Enhancing Efficacy of Engineered T Cell Therapy for Pancreatic Cancer*

Gina DeNicola, PhD, Moffitt Cancer Center  
*Therapeutic Targeting of NRF2-Regulated Metabolism in Pancreatic Cancer*

Luisa Escobar-Hoyos, PhD, Memorial Sloan Kettering Cancer Center  
*Novel Therapeutic Vulnerability in Pancreatic Cancer with Mutant-p53*

Jason Doles, PhD, Mayo Clinic, Rochester  
*Pancreatic Cancer-Associated Metabolites Impair Skeletal Muscle Differentiation*

1:00pm

Lunch/ *Non-CME event*  
Location | *Pavilion*



## POSTERS OF DISTINCTION | THURSDAY, NOVEMBER 9

P1-1

### **Chronic Pancreatitis is a Devastating Disease Across All Ages**

A. Uc<sup>1</sup>, S.J. Schwarzenberg<sup>2</sup>, M.E. Lowe<sup>3</sup>, J.N. Abberbock<sup>4</sup>, M.B. Zimmerman<sup>5</sup>, D.C. Whitcomb<sup>4</sup>, D. Yadav<sup>6</sup>; <sup>1</sup>Stead Family Department of Pediatrics, University of Iowa/United States of America, <sup>2</sup>Pediatrics, University of Minnesota/United States of America, <sup>3</sup>Pediatrics, Washington University/United States of America, <sup>4</sup>Internal Medicine, University of Pittsburgh/United States of America, <sup>5</sup>Biostatistics, University of Iowa/United States of America, <sup>6</sup>UPMC/United States of America

P1-2

### **Efficacy and Safety of Low Molecular Weight Heparin Prophylaxis in Patients with Severe Acute Pancreatitis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials**

R. Zhang, P. Ren, Q. Xia, L. Deng, W. Huang, R. Sutton; Integrated Traditional Chinese and Western Medicine, West China Medical School/West China Hospital, Sichuan University/China

P1-3

### **Epidemiology, Tumor Characteristics and Survival in Patients with Primary Pancreatic Lymphoma: a Population-based Study using the SEER Database**

D. Mukhija<sup>1</sup>, S.J.S. Nagpal<sup>2</sup>, D. Sohal<sup>3</sup>; <sup>1</sup>Internal Medicine, Cleveland Clinic, Cleveland/United States of America, <sup>2</sup>Gastroenterology and Hepatology, Mayo Clinic/United States of America, <sup>3</sup>Cleveland Clinic/United States of America

P1-4

### **Ethanol and Smoking Promote Inflammation and Cell Death in Pancreas of Humanized PRSS1-R122H Transgenic Mice.**

C. Hu<sup>1, 2</sup>, H.-Y. Su<sup>1</sup>, R.T. Waldron<sup>1</sup>, A. Lugea<sup>1</sup>, Q. Xia<sup>2</sup>, B. Ji<sup>3</sup>, S.J. Pandol<sup>1</sup>; <sup>1</sup>Cedars Sinai Medical Center/United States of America, <sup>2</sup>Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre, West China Hospital, Sichuan University/China, <sup>3</sup>Mayo Clinic/United States of America

P1-5

### **Exocrine Pancreatic Metabolic Demand is increased in Necrotizing Pancreatitis (NP) but Not Mild Pancreatitis - both of which are Mechanistically Targeted by Hypothermia.**

C. De Oliveira, B. Khatua, B. El-Kurdi, K. Patel, V. Singh; Mayo Clinic, AZ/United States of America

P1-6

### **GLI1 Complex with BRM to Control Gene Expression in Pancreatic Cancer**

S.L. Safgren<sup>1</sup>, R.L. Olsen<sup>2</sup>, M.E. Fernandez-Zapico<sup>3</sup>, A.L. Vrabel<sup>2</sup>, N. Hernandez-Alvarado<sup>2</sup>; <sup>1</sup>Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic, Rochester/United States of America, <sup>2</sup>Oncology Research, Mayo Clinic, Rochester, MN/United States of America, <sup>3</sup>Oncology Research, Mayo Clinic, Rochester/United States of America

P1-7

### **Healthcare Resource Utilization and Outcomes in Patients Undergoing Total Pancreatectomy with Islet Autotransplantation in the United States**

M.D. Bellin<sup>1</sup>, L. Luis<sup>2</sup>, M. Abu-El-Hajja<sup>3</sup>, D. Adams<sup>4</sup>, G.J. Beilman<sup>5</sup>, S. Chinnakotla<sup>6</sup>, T. Dunn<sup>5</sup>, M. Freeman<sup>7</sup>, T. Gardner<sup>8</sup>, V. Kirchner<sup>9</sup>, K. Morgan<sup>10</sup>, J.D. Nathan<sup>11</sup>, B. Naziruddin<sup>12</sup>, T. Pruett<sup>5</sup>, S.J. Schwarzenberg<sup>13</sup>, V. Singh<sup>14</sup>, K. Smith<sup>8</sup>, J. Steel<sup>15</sup>, M. Wijkstrom<sup>15</sup>, P. Witkowski<sup>16</sup>, D.L. Conwell<sup>17</sup>; <sup>1</sup>Pediatrics, University of Minnesota, Minneapolis, MN/United States of America, <sup>2</sup>The Ohio State University Wexner Medical Center/United States of America, <sup>3</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America, <sup>4</sup>Medical University of SC, Medical University of SC, Charleston/United States of America, <sup>5</sup>Department of Surgery, University of Minnesota, Minneapolis, MN/United States of America, <sup>6</sup>University of Minnesota/United States of America, <sup>7</sup>Gastroenterology, University of Minnesota, Minneapolis/United States of America, <sup>8</sup>Dartmouth Hitchcock Medical Center/United States of America, <sup>9</sup>Surgery, University of Minnesota/United States of America, <sup>10</sup>Medical University of SC, Medical University of SC, Charleston, SC/United States of America, <sup>11</sup>Pancreas Care Center, Liver, Kidney and Intestinal Transplant Programs, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America, <sup>12</sup>Baylor School of Medicine/United States of America, <sup>13</sup>Pediatrics, University of

Minnesota/United States of America, 14Gastroenterology/Internal Medicine, Johns Hopkins Hospitals, Baltimore, MD/United States of America, 15University of Pittsburgh Medical Center/United States of America, 16University of Chicago/United States of America, 17The Ohio State University Wexner Medical Center, OH/United States of America

P1-8

**Impact of Chemoradiotherapy Followed by Surgery for Pancreatic Ductal Adenocarcinoma, Using a New Resectability Classification defined by Japan Pancreas Society in 2016**

M. Kishiwada, A. Hayasaki, T. Fujii, T. Ito, T. Takeuchi, Y. Iizawa, H. Kato, A. Tanemura, Y. Murata, N. Kuriyama, Y. Azumi, S. Mizuno, M. Usui, H. Sakurai, S. Isaji; Hepatobiliary Pancreatic & Transplant Surgery, Mie University Graduate School of Medicine, Tsu/Japan

P1-9

**Intracellular Signaling Profiles of Blood Leukocytes in Sepsis Complicated by Organ Dysfunction and in Acute Pancreatitis in Relation to Disease Severity**

A.K. Penttilä<sup>1</sup>, K. Kuuliala<sup>2</sup>, K.-M. Kaukonen<sup>3</sup>, H. Mustonen<sup>1</sup>, A. Kuuliala<sup>2</sup>, J. Oiva<sup>4</sup>, M. Hämäläinen<sup>5</sup>, E. Moilanen<sup>5</sup>, V. Pettilä<sup>3</sup>, P. Puolakkainen<sup>1</sup>, L. Kylänpää<sup>1</sup>, H. Repo<sup>2</sup>; <sup>1</sup>Department of GI Surgery, Helsinki University Hospital and University of Helsinki/Finland, <sup>2</sup>Department of Bacteriology and Immunology, Helsinki University Hospital and University of Helsinki/Finland, <sup>3</sup>Department of Anesthesiology, Intensive Care and Pain Medicine, Helsinki University Hospital and University of Helsinki/Finland, <sup>4</sup>Department of Surgery, Kuopio University Hospital/Finland, <sup>5</sup>The Immunopharmacology Research Group, Faculty of Medicine and Life Sciences, University of Tampere and Tampere University Hospital/Finland

P1-10

**Ionizing Radiation Potentiates the Effect of Minnelide on Pancreatic Cancer**

V. Sethi<sup>1</sup>, A. Da Silva Benaduce<sup>2</sup>, B. Giri<sup>3</sup>, B. Garg<sup>1</sup>, M. Tarique<sup>1</sup>, Z. Malchiodi<sup>1</sup>, S. Lavania<sup>1</sup>, L. Hellmund<sup>1</sup>, S. Ramakrishnan<sup>1</sup>, A. Ishkanian<sup>2</sup>, V. Dudeja<sup>1</sup>, A. Saluja<sup>1</sup>; <sup>1</sup>Surgery, University of Miami/United States of America, <sup>2</sup>Radiation Oncology, University of Miami/United States of America, <sup>3</sup>Surgery, University of Miami, Miami/United States of America

P1-11

**Lactate-Mediated Epigenetic Reprogramming Regulates Generation of Pancreatic Cancer-associated Fibroblasts**

T.D. Bhagat<sup>1</sup>, D. Von Ahrens<sup>2</sup>, M. Dawlaty<sup>3</sup>, D. Banerjee<sup>4</sup>, J. Baddour<sup>5</sup>, A. Achreja<sup>5</sup>, H. Zhao<sup>5</sup>, L. Yang<sup>5</sup>, Y. Rattigan<sup>6</sup>, B. Patel<sup>4</sup>, G. Choudhary<sup>3</sup>, S. Gordon-Mitchell<sup>3</sup>, Y. Yu<sup>3</sup>, M. Bartenstein<sup>3</sup>, O. Giricz<sup>3</sup>, M. Suzuki<sup>3</sup>, D. Sohal<sup>7</sup>, S.K. Batra<sup>8</sup>, M. Goggins<sup>9</sup>, U. Steidl<sup>3</sup>, J. Grealley<sup>3</sup>, K. Pradhan<sup>3</sup>, D. Nagrath<sup>5</sup>, A. Maitra<sup>6</sup>, A. Verma<sup>3</sup>; <sup>1</sup>Albert Einstein College of Medicine, NY/United States of America, <sup>2</sup>Surgery, Cancer Center, Montefiore/Albert Einstein College of Medicine, Bronx, NY/United States of America, <sup>3</sup>Albert Einstein College of Medicine/United States of America, <sup>4</sup>Cancer Institute of New Jersey Rutgers University/United States of America, <sup>5</sup>University of Michigan, MI/United States of America, <sup>6</sup>MD Anderson Cancer Center/United States of America, <sup>7</sup>Cleveland Clinic/United States of America, <sup>8</sup>University of Nebraska/United States of America, <sup>9</sup>Johns Hopkins University/United States of America

P1-12

**Metastasis and Chemoresistance in CD133+ Tumor Initiating Cells are Dependent on Lipid Raft Integrity in Pancreatic Cancer.**

V.K. Gupta<sup>1</sup>, N.S. Sharma<sup>2</sup>, K.K. Kesh<sup>2</sup>, P. Dauer<sup>3</sup>, A. Nomura<sup>2</sup>, B. Giri<sup>4</sup>, V. Dudeja<sup>5</sup>, A. Saluja<sup>5</sup>, S. Banerjee<sup>5</sup>; <sup>1</sup>Department of Surgery, University of Miami, Miami/United States of America, <sup>2</sup>Surgical Oncology, University of Miami, Miami, FL/United States of America, <sup>3</sup>Pharmacology, University of Minnesota, MN/United States of America, <sup>4</sup>Surgery, University of Miami, Miami/United States of America, <sup>5</sup>Surgery, University of Miami/United States of America

P1-13

**Metformin Attenuates Progression of Pancreatic Ductal Adenocarcinoma Promoted by Diet-induced Obesity in the Conditional KrasG12D Mouse Model.**

H.-H. Chang<sup>1</sup>, A. Moro<sup>1</sup>, C.E.N. Chou<sup>1</sup>, A.I. Schmidt<sup>1</sup>, J. Sinnett-Smith<sup>2</sup>, O.J. Hines<sup>1</sup>, G. Eibl<sup>1</sup>, E. Rozengurt<sup>2</sup>; <sup>1</sup>Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA/United States of America, <sup>2</sup>Department of Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA/United States of America

P1-14

**Morphine Treatment Increases the Severity of Acute Pancreatitis via  $\mu$ -Opioid Receptor.**

H. Cheema, U. Barlass, J. George, G. Gonzalez, V. Dudeja, R. Dawra, S. Roy, A. Saluja; Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America

P1-15

**MUC4 Interaction with EGFR and its Potential Implications in Pancreatic Cancer.**

R. Bhatia<sup>1</sup>, S. Joshi<sup>1</sup>, A. Aithal<sup>1</sup>, W. Junker<sup>1</sup>, A. Cannon<sup>1</sup>, B. Hall<sup>2</sup>, C.M. Thompson<sup>1</sup>, S. Kumar<sup>1</sup>, S.K. Batra<sup>1</sup>, M. Jain<sup>1</sup>; <sup>1</sup>Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE/United States of America, <sup>2</sup>Department of Surgery, University of Nebraska Medical Center, Omaha, NE/United States of America

P1-16

**Novel c.49C>A (p.P17T) Mutation in the Activation Peptide of Human Cationic Trypsinogen (PRSS1) in a Case of Chronic Pancreatitis**

B.C. Nemeth<sup>1</sup>, A. Szucs<sup>2</sup>, P. Hegyi<sup>3</sup>, M. Sahin-Toth<sup>4</sup>; <sup>1</sup>First Department of Medicine, University of Szeged, Szeged/Hungary, <sup>2</sup>First Department of Surgery, Semmelweis University, Budapest/Hungary, <sup>3</sup>Department of Translational Medicine, University of Pecs, Pecs/Hungary, <sup>4</sup>Department of Molecular & Cell Biology, Boston University, Boston, MA/United States of America

P1-17

**Novel Calcineurin Inhibitor Strategies to Prevent Radiocontrast-Induced Organ Injury, Using the Pancreas as a Prototypic Organ**

L. Wen, T. Javed, S. Husain; Department of Pediatrics, University of Pittsburgh, Pittsburgh, PA/United States of America

P1-18

**Pancreatic Cancer Following Incident Diabetes in African Americans and Latinos: the Multiethnic Cohort**

V.W. Setiawan<sup>1</sup>, D. Stram<sup>1</sup>, J. Porcel<sup>2</sup>, S.J. Pandol<sup>3</sup>, C. Haiman<sup>1</sup>, K. Monroe<sup>1</sup>; <sup>1</sup>Preventive Medicine, University of Southern California/United States of America, <sup>2</sup>University of Southern California/United States of America, <sup>3</sup>Cedars Sinai Medical Center/United States of America

P1-19

**Randomized Trial Comparing Lumen-apposing Metal Stents (LAMS) and Plastic Stents for EUS-guided Drainage of Walled-off Necrosis (WON)**

J.Y. Bang, M. Hasan, U. Navaneethan, R. Hawes, S. Varadarajulu; Center for Interventional Endoscopy, Florida Hospital, Orlando, FL/United States of America

P1-20

**Secretory Inhibition During Acute Pancreatitis is Mediated by a Loss of Phosphatidylinositol (4,5) Phosphate (PIP<sub>2</sub>)**

S. Messenger, T. F. Martin; Department of Biochemistry, University of Wisconsin-Madison/United States of America

P1-21

**The Impact of Metformin in Overall Survival in Diabetic Patients Diagnosed with Pancreatic Adenocarcinoma: A Meta-analysis**

D. Wang<sup>1</sup>, J. Satiya<sup>1</sup>, J. Barkin<sup>2, 3</sup>, E. Donath<sup>1</sup>; <sup>1</sup>University of Miami Miller School of Medicine Palm Beach Regional Campus, L, FL/United States of America, <sup>2</sup>Department of Gastroenterology, University of Miami Leonard Miller School of Medicine, FL/United States of America, <sup>3</sup>University of Miami Pancreas Center, FL/United States of America

## POSTERS

P1-22

### **30-Years' Experience and Result in the Surgical Treatment of Pancreatic Neuroendocrine Tumors**

G. Farkas Jr, G. Farkas, G. Lazar; Department of Surgery, University of Szeged, Szeged/Hungary

P1-23

### **A Case of Pancreatic Carcinoma In Situ Associated with Lymphoplasmacytic Sclerosing Pancreatitis**

K. Yoshida<sup>1</sup>, H. Aoki<sup>2</sup>, Y. Nakashima<sup>1</sup>; <sup>1</sup>Interventional Bilio-Pancreatotomy, Kawasaki medical school, Kurashiki/Japan, <sup>2</sup>Hepatology and Pancreatotomy, Kawasaki medical school, Kurashiki/Japan

P1-24

### **A Flavonoid from Coreopsis Tinctoria Reduces Pancreatic Acinar Cell Necrosis and Severity of Experimental Acute Pancreatitis Models**

D. Du<sup>1</sup>, R. Zhang<sup>2</sup>, N. Shi<sup>3</sup>, T. Jin<sup>3</sup>, D.N. Criddle<sup>4</sup>, R. Sutton<sup>5</sup>, W. Huang<sup>3</sup>, Q. Xia<sup>3</sup>; <sup>1</sup>West China-Washington Mitochondria and Metabolism Center, West China Hospital, Sichuan University, Chengdu/China, <sup>2</sup>Laboratory of Ethnopharmacology, West China Hospital, Sichuan University, Chengdu/China, <sup>3</sup>Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Center, West China Hospital, Sichuan University, Chengdu/China, <sup>4</sup>Department of Cellular and Molecular Physiology, Institute of Translational Medicine, University of Liverpool, Liverpool/United Kingdom, <sup>5</sup>Department of Molecular and Clinical Cancer Medicine, Institute of Translational Medicine, University of Liverpool, Liverpool/United Kingdom

P1-25

### **A Novel Natural Compound to Target PI3K/AKT/mTOR Pathway in Pancreatic Cancer**

T. Totiger<sup>1</sup>, S. Srinivasan<sup>1</sup>, V. Jala<sup>2</sup>, J. Castellanos<sup>3</sup>, P. Lamichhane<sup>1</sup>, X. Dai<sup>1</sup>, M. Vansaun<sup>1</sup>, N. Merchant<sup>1</sup>, N. Nagathihalli<sup>1</sup>; <sup>1</sup>Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America, <sup>2</sup>Microbiology and Immunology, University of Louisville/United States of America, <sup>3</sup>Surgery, Vanderbilt University/United States of America

P1-26

### **A Novel Role for ARNT2 in Exocrine Pancreas Regeneration.**

L. Elferink<sup>1</sup>, I. Gaziova<sup>1</sup>, A. Joshi<sup>2</sup>, K. Pereira De Castro<sup>2</sup>, C. Elferink<sup>2</sup>; <sup>1</sup>Neuroscience and Cell Biology, University of Texas Medical Branch, TX/United States of America, <sup>2</sup>Pharmacology and Toxicology, University of Texas Medical Branch, TX/United States of America

P1-27

### **A TGF- $\beta$ -lin28b-miRNA Circuit Regulates EMT and Stemness in Pancreatic Cancer**

L. Castellano<sup>1</sup>, S. Ottaviani<sup>2</sup>, A.E. Frampton<sup>1</sup>; <sup>1</sup>Imperial College London/United Kingdom, <sup>2</sup>Imperial College/United Kingdom

P1-28

### **Acute Pancreatitis (AP) is the Initial Pancreatic Event in Half of the Patients with Chronic Pancreatitis (CP): Large Single Center Study of 499 Consecutive Patients of CP in the Recent 3 Years.**

Y. Hori<sup>1</sup>, M. Topazian<sup>1</sup>, S. Chari<sup>1</sup>, F. Gleeson<sup>1</sup>, M.J. Levy<sup>1</sup>, R. Pearson<sup>1</sup>, B.T. Petersen<sup>1</sup>, M. Farnell<sup>2</sup>, M.L. Kendrick<sup>2</sup>, L. Pisney<sup>1</sup>, N. Takahashi<sup>3</sup>, M. Truty<sup>2</sup>, R. Smoot<sup>2</sup>, S. Vege<sup>1</sup>; <sup>1</sup>Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN/United States of America, <sup>2</sup>Surgery, Mayo Clinic, Rochester, MN/United States of America, <sup>3</sup>Radiology, Mayo Clinic, Rochester, MN/United States of America

P1-29

### **Adenoviral Based Radioiodine Therapy and Imaging for Pancreatic Cancer**

L. Koodie<sup>1</sup>, E. Kawakami<sup>2</sup>, B. Eidenschink<sup>1</sup>, K. Jacobsen<sup>1</sup>, E. Tolosa<sup>2</sup>, M. Fernandez-Zapico<sup>2</sup>, J. Davydova<sup>1</sup>; <sup>1</sup>Surgery, University Of Minnesota School of Medicine, MN/United States of America, <sup>2</sup>Division Of Endocrinology, Mayo Clinic/United States of America

P1-30

### **Alcohol Activates Cyclic AMP Response Element Binding (CREB) in the Pathogenesis of Pancreatic Cancer**

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P1-31

**Analysis of Clinical Significance of MUC4 Isoforms in Pancreatic Cancer Patients using TCGA RNA-Seq Dataset**

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P1-32

**Analysis of Survival after Surgical Management of Pancreatic Neuroendocrine Neoplasms (PNEs) in a Single Center**

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P1-33

**Are Patients Cured After Pancreatic Resection? Definitions and Statistical Modeling**

A. Nevler<sup>1</sup>, S.W. Keith<sup>2</sup>, H. Lavu<sup>1</sup>, T. Yeo<sup>1</sup>, C.J. Yeo<sup>1</sup>, J.R. Brody<sup>1</sup>, J. Winter<sup>1</sup>; <sup>1</sup>Surgery, Thomas Jefferson University, Philadelphia, PA/United States of America, <sup>2</sup>Biostatistics, Thomas Jefferson University, Philadelphia, PA/United States of America

P1-34

**Aurora Kinase A Inhibitor MLN8237 Inhibits the Growth of Pancreatic Cancer Both In Vitro and In Vivo.**

Y. Zhang, Y. Ma, Y. Wang, A. Haddock, D. Mukhopadhyay, Y. Bi, B. Ji; Mayo Clinic-FL/United States of America

P1-35

**Axios Stent Shortens the Resolution Time in Peripancreatic Fluid Collections Drainage After Cystgastrostomy.**

Y. Al-Azzawi<sup>1</sup>, M. Fasullo<sup>2</sup>, J. Kheder<sup>2</sup>, W. Wassef<sup>2</sup>; <sup>1</sup>Gastroenterology, Umass medical center/United States of America, <sup>2</sup>Umass medical center/United States of America

P1-36

**BM-Derived Cells are Involved in the Tumor Microenvironment and Promote Invasion of Pancreatic Cancer.**

C. Iwamoto<sup>1</sup>, K. Ohuchida<sup>2</sup>, T. Okumura<sup>2</sup>, K. Koikawa<sup>2</sup>, S. Takesue<sup>2</sup>, H. Nakayama<sup>2</sup>, S. Endo<sup>2</sup>, S. Kibe<sup>2</sup>, Y. Ando<sup>2</sup>, T. Abe<sup>2</sup>, K. Miyawaki<sup>3</sup>, M. Murata<sup>4</sup>, K. Akashi<sup>3</sup>, M. Nakamura<sup>2</sup>, M. Hashizume<sup>1</sup>; <sup>1</sup>Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka/Japan, <sup>2</sup>Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, <sup>3</sup>Department of Medicine and Biosystemic Science, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, <sup>4</sup>Center for Advanced Medical Innovation, Kyushu University, Fukuoka/Japan

P1-37

**CD110 is Associated with Pancreatic Cancer Patient Survival and Promotes Cancer Progression, Especially Liver Metastasis**

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P1-38

**Chai-Qin-Cheng-Qi decoction improves intestinal motility by regulating CPI-17/ MLCP Pathway in Small Intestinal Smooth Muscle in Rats with Acute Necrotising Pancreatitis**

Z. Lin<sup>1</sup>, C. Zhang<sup>1</sup>, X. Zhang<sup>1</sup>, N. Shi<sup>1</sup>, J. Guo<sup>1</sup>, W. Huang<sup>1</sup>, J. Windsor<sup>2</sup>, R. Sutton<sup>3</sup>, P. Xue<sup>1</sup>, Q. Xia<sup>1</sup>; <sup>1</sup>West China Hospital, Sichuan University, Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre/China, <sup>2</sup>Department of Surgery, University of Auckland/New Zealand, <sup>3</sup>Royal



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P1-39

**Characteristics and Results of Resected Pancreatic Ductal Carcinoma 2cm or Smaller in Tumor Size**

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P1-40

**Chronic Pancreatitis Localized in Ventral Pancreas Associated with Pancreas Divisum**

M. Masataka, K. Kmaei, Y. Yashida, K. Kawaguchi, T. Murase, S. Sato, I. Matsumoto, T. Nakai, Y. Takeyama; Department of surgery, Kindai University?Faculty of medicine, Osakasayama/Japan

P1-41

**Clinical profiles and outcomes of Obstructive Chronic Pancreatitis: a Large Recent Series of 176 Patients with this Uncommon Entity**

Y. Hori<sup>1</sup>, M. Topazian<sup>1</sup>, S. Chari<sup>1</sup>, F. Gleeson<sup>1</sup>, M.J. Levy<sup>1</sup>, R. Pearson<sup>1</sup>, B.T. Petersen<sup>1</sup>, M. Farnell<sup>2</sup>, M.L. Kendrick<sup>2</sup>, L. Pisney<sup>1</sup>, N. Takahashi<sup>3</sup>, M. Truty<sup>2</sup>, R. Smoot<sup>2</sup>, S. Vege<sup>1</sup>; <sup>1</sup>Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN/United States of America, <sup>2</sup>Surgery, Mayo Clinic, Rochester, MN/United States of America, <sup>3</sup>Radiology, Mayo Clinic, Rochester, MN/United States of America

P1-42

**Cocaine Induced Acute Pancreatitis: A Systematic Review**

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P1-43

**Comparison of Insulin Resistance and Beta cell Function in patients with Chronic Pancreatitis, Pancreatic Cancer and Type 2 Diabetes Mellitus using Homeostatic Model Assessment (HOMA)**

S.J.S. Nagpal<sup>1</sup>, R. Basu<sup>2</sup>, W. Bamlet<sup>3</sup>, S. Chari<sup>1</sup>; <sup>1</sup>Gastroenterology and Hepatology, Mayo Clinic/United States of America, <sup>2</sup>Endocrinology, Mayo Clinic/United States of America, <sup>3</sup>Mayo Clinic/United States of America

P1-44

**c-Src is Involved in Zymogen Granule Formation**

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P1-45

**Dclk1 a Novel Therapeutic Target for the Reprogramming of PDAC TME**

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P1-46

**Derivation and Validation of a Prediction Model for the Early Diagnosis of Acute Pancreatitis in the Emergency Department**

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P1-47

**Detecting pancreatic cancer earlier: identifying type 3c diabetes in individuals newly diagnosed with type 2 diabetes**

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P1-48

**Diagnostic yield of Mural Modules (MN) on Preoperative imaging for Identification of Advanced Neoplasia in Intraductal Papillary Mucinous Neoplasms (IPMNs)**

L.K. Mejia Perez<sup>1</sup>, K. Patel<sup>2</sup>, A.C. Rodriguez<sup>2</sup>, P. Kandel<sup>2</sup>, T. Woodward<sup>2</sup>, V. Gomez<sup>2</sup>, M. Wallace<sup>2</sup>, H. Asbun<sup>3</sup>, J. Stauffer<sup>3</sup>, M. Raimondo<sup>2</sup>; <sup>1</sup>Gastroenterology, Mayo Clinic, Jacksonville/United States of America, <sup>2</sup>Gastroenterology and Hepatology, Mayo Clinic Florida, FL/United States of America, <sup>3</sup>General Surgery, Mayo Clinic Florida, FL/United States of America

P1-49

**Dynamic, Serum-Dependent Clustering and Attachment-Independent Growth of Cultured Circulating Tumor Cells from Pancreatic Ductal Ddenocarcinoma**

R.T. Waldron<sup>1</sup>, R. Wang<sup>2</sup>, C.-Y. Chu<sup>2</sup>, A. Nayeibosadi<sup>1</sup>, A. Hendifar<sup>2</sup>, A. Lugea<sup>1</sup>, L.W.K. Chung<sup>2</sup>, S.J. Pandol<sup>1</sup>; <sup>1</sup>Department of Medicine, Cedars-Sinai Medical Center and University of California, CA/United States of America, <sup>2</sup>Department of Medicine, Cedars-Sinai Medical Center, CA/United States of America

P1-50

**E47 governs a p27/RB/c-MYC Regulatory Network Independent of p16 and Wild-Type p53 in Pancreatic Ductal Adenocarcinoma Cells**

K.M. Scully<sup>1</sup>, R. Sasik<sup>2</sup>, R. Lahmy<sup>1</sup>, L. Signaevskaia<sup>1</sup>, A. Lowy<sup>3</sup>, P. Itkin-Ansari<sup>1</sup>; <sup>1</sup>Development, Aging and Regeneration, Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA/United States of America, <sup>2</sup>Center for Computational Biology and Bioinformatics, UCSD School of Medicine, La Jolla, CA/United States of America, <sup>3</sup>Surgical Oncology, UCSD Moores Cancer Center, La Jolla, CA/United States of America

P1-51

**Effect of Major Morbidity on Long-Term Survival following Resection for Pancreatic Ductal Ddenocarcinoma.**

M. Sandini<sup>1</sup>, K.J. Ruscic<sup>2</sup>, C.R. Ferrone<sup>1</sup>, K.D. Lillemoe<sup>1</sup>, M. Qadan<sup>1</sup>, M. Eikermann<sup>2</sup>, A.L. Warshaw<sup>1</sup>, C. Fernandez-Del Castillo<sup>1</sup>; <sup>1</sup>Surgery, Massachusetts General Hospital, Boston, MA/United States of America, <sup>2</sup>Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital, Boston, MA/United States of America

P1-52

**Effects of Berberine on Acute Necrotizing Pancreatitis**

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P1-53

**Efficient Systemic Treatment with Fiber-redesigned Oncolytic Adenovirus in Pancreatic Cancer in vivo Model**

M. Sato-Dahlman<sup>1</sup>, Y. Miura<sup>1</sup>, J.L. Huang<sup>1</sup>, P. Hajeri<sup>1</sup>, H. Yoshida<sup>1</sup>, K. Jacobsen<sup>2</sup>, J. Davydova<sup>1</sup>, M. Yamamoto<sup>1</sup>; <sup>1</sup>Surgery, University of Minnesota, Minneapolis, MN/United States of America, <sup>2</sup>Surgery, University Of Minnesota School of Medicine, MN/United States of America

P1-54

**Elevated intracellular trypsin activity increased the severity of acute pancreatitis and promoted the development of chronic pancreatitis in transgenic mice**

X. Zhan<sup>1</sup>, G. Zhang<sup>1</sup>, Y. Zhang<sup>1</sup>, L. Zhuang<sup>1</sup>, R. Dawra<sup>2</sup>, Y. Li<sup>1</sup>, Y. Yao<sup>1</sup>, F. Gui<sup>1</sup>, J. Chen<sup>1</sup>, A. Haddock<sup>1</sup>, L. Zhang<sup>3</sup>, A. Saluja<sup>4</sup>, C. Logsdon<sup>5</sup>, Y. Bi<sup>1</sup>, B. Ji<sup>1</sup>; <sup>1</sup>Mayo Clinic-FL/United States of America, <sup>2</sup>Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America, <sup>3</sup>Mayo Clinic/United States of America, <sup>4</sup>Surgery, University of Miami/United States of America, <sup>5</sup>MD Anderson Cancer Center/United States of America

P1-55

**Establishment of Novel Gemcitabine-Resistant Mouse Pancreatic Cancer Cell Line**

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P1-56

**Evaluation of the Fukuoka Guidelines for the Management of BD-IPMN: Single-Center Experience with 543 Patients Selected for Resection or Observation.**

J. Kaiser, O. Strobel, J. Lebert, W. Niesen, T. Hank, M. Heckler, C.W. Michalski, M.W. Büchler, T. Hackert; Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg/Germany

P1-57

**Factors Affecting Opioid Use in Hospitalized Patients with Acute Pancreatitis**

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P1-58

**Gel Forming Mucin MUC5AC Employs Multimodal Mechanism(s) to Augment Gemcitabine Resistance in Pancreatic Cancer**

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P1-59

**Gemcitabine Enhances Kras-MEK-induced Matrix Metalloproteinase-10 Expression in Gemcitabine-resistant Pancreatic Tumor-initiating Cells**

A. Nishimura<sup>1</sup>, K. Shimizu<sup>1, 2</sup>, Y. Kadoi<sup>1</sup>, Y. Takegaki<sup>1</sup>, M. Miyoshi<sup>1</sup>, Y. Hori<sup>1</sup>; <sup>1</sup>Biophysics, Kobe University Graduate School of Health Sciences, Kobe/Japan, <sup>2</sup>Internal Medicine, Kobe Medical Center, Kobe/Japan

P1-60

**HSP70 in Immune-Environment Promotes Growth of Pancreatic Cancer.**

B. Giri, B. Garg, V. Sethi, M. Tarique, Z. Malchiodi, S. Lavania, S. Banerjee, R. Dawra, S. Ramakrishnan, V. Dudeja, A. Saluja; Surgery, University of Miami/United States of America

P1-61

**Impact of a Histone methylase G9a on Pancreatic Carcinogenesis**

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P1-62

**Improved Outcomes for Severe Acute Pancreatitis in High Volume Hospitals**

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P1-63

**Increased Incidence of Pancreatic Ductal Adenocarcinoma in Chronic Pancreatitis Patients with Pancreatic Intraepithelial Neoplasia <sup>2</sup>**

M. Faghhi<sup>1</sup>, M. Noe<sup>2</sup>, R. Moran<sup>2</sup>, T. Boortalar<sup>2</sup>, N. Yahyapourjalaly<sup>2</sup>, O. Brewer Gutierrez<sup>2</sup>, J.R. Azadi<sup>2</sup>, M. Fetrat<sup>2</sup>, N. Parsa<sup>2</sup>, A. Zaheer<sup>2</sup>, D.K. Andersen<sup>1</sup>, M. Makary<sup>3</sup>, A.M. O'Broin-Lennon<sup>2</sup>, V.K. Singh<sup>3</sup>; <sup>1</sup>Johns Hopkins/United States of America, <sup>2</sup>Gastroenterology, Johns Hopkins Hospital, Baltimore/United States of America, <sup>3</sup>Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Hospital, Baltimore, MD/United States of America

P1-64

**Increased Opioid Analgesic Requirement Correlates with Morphologic Severity of Acute Pancreatitis**

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P1-65

**Increased Rate of Advanced Stage Pancreatic Cancer at Diagnosis in Patients of Afro-Caribbean Descent.**

R. Beyer, K. Ragunathan, H. He, C. Demarco, S. Mori, A. Khorasanchi, S. Vignesh; Gastroenterology, SUNY Downstate Medical Center/United States of America

P1-66

**Increasing Hyperglycemia and Diabetes with Increasing Tumor Size in Pancreatic Cancer Provides Insights into Timeline of Growth of Pancreatic Cancer**

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P1-67

**Inhibiting Angiogenesis to Improve Anti-Stromal Therapy for Pancreatic Cancer**

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P1-68

**Investigating the Urinary and Serum Proteome in Total Pancreatectomy with Islet Auto-transplantation (TPIAT)**

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P1-69

**Islet Graft Function is Preserved after Pregnancy in Patients with Previous Total Pancreatectomy with Islet Autotransplant**

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P1-70

**Laparoscopic Pancreaticoduodenectomy: a Single Team Preliminary Experience**

X. Mao, X. Duan, L. Zhou; Hunan Provincial People's Hospital/China

P1-71

**Left-sided portal hypertension associated with Acute Pancreatitis Treated by Splenectomy: Clinical Characteristics and Outcomes in a Cohort of 79 Cases**

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P1-72

**Let-7b and SHH Inhibitor Combination Therapy for Pancreatic Cancer**

R. Pothuraju<sup>1</sup>, V. Kumar<sup>2</sup>, R.I. Mahato<sup>2</sup>, M. Kalaga<sup>1</sup>, W. Junker<sup>3</sup>, S.K. Batra<sup>1</sup>, S. Rachagani<sup>1</sup>; <sup>1</sup>Biochemistry and Molecular Biology, University of Nebraska Medical Center/United States of America, <sup>2</sup>Department of Pharmaceutical Sciences, University of Nebraska Medical Center/United States of America, <sup>3</sup>Sanguine Diagnostics and Therapeutics/United States of America

P1-73

**Lower mortality Rates after Pancreas Surgery in High-Volume Centers. A Nationwide Study in Finland 2012-2014.**

R. Ahola, J. Sand, J. Laukkanen; Tampere University Hospital/Finland

P1-74

**Morphological and Immunohistochemical Comparison of Intrapancreatic Nerves Between Chronic Pancreatitis and Type 1 Autoimmune Pancreatitis**

K. Kato<sup>1</sup>, T. Ikeura<sup>1</sup>, K. Uchida<sup>1</sup>, H. Yamada<sup>2</sup>, K. Okazaki<sup>1</sup>; <sup>1</sup>The third department of internal medicine, Kansai Medical University/Japan, <sup>2</sup>Department of anatomy and cell science, Kansai Medical University/Japan

P1-75

**Multiagent Chemotherapy and Chemoradiotherapy are Associated with Improved Overall Survival in Patients with Locally Advanced Pancreatic Cancer: a National Cancer Database Analysis.**

R. Tuli<sup>1</sup>, A. Torossian<sup>1</sup>, N. Nissen<sup>2</sup>, A. Hendifar<sup>3</sup>, J. David<sup>1</sup>; <sup>1</sup>Radiation oncology, Cedars Sinai Medical Center/United States of America, <sup>2</sup>Cedars Sinai Medical Center/United States of America, <sup>3</sup>Department of Medicine, Cedars-Sinai Medical Center, CA/United States of America

P1-76

**Nanoceria Reduces Oxidative Stress, Inflammation and Display Anti-Fibrotic Properties in Animal Models of Chronic Pancreatitis**

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P1-77

**Nationwide Trends in Acute and Chronic Pancreatitis for Children and Adults in the United States from 2007-2014**

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P1-78

**Naturally Purified Islets in Total Pancreatectomy and Islet Autotransplant (TPIAT) for Chronic Pancreatitis (CP): A Model to Evaluate Impact of Exocrine Co-transplant on Graft Function**

D.T. Heller<sup>1, 2</sup>, M.D. Bellin<sup>1, 3</sup>, K.L. Berry<sup>2</sup>, G.J. Beilman<sup>2</sup>, T. Dunn<sup>2</sup>, T. Pruett<sup>2</sup>, S. Chinnikotla<sup>2, 3</sup>, B. Hering<sup>1, 2</sup>, J. Wilhelm<sup>1</sup>; <sup>1</sup>Schulze Diabetes Institute, University of Minnesota, Minneapolis/United States of America, <sup>2</sup>Department of Surgery, University of Minnesota, Minneapolis, MN/United States of America, <sup>3</sup>Pediatrics, University of Minnesota, MN/United States of America

P1-79

**Neoadjuvant Therapy Offers Longer Survival Than Upfront Surgery for Poorly Differentiated and Higher Stage Pancreatic Cancer**

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P1-80

**NF- $\kappa$ B genetic ablation down-regulates p62/SQSTM1 and Ameliorates Non-alcoholic and Alcoholic Experimental Pancreatitis.**

O.A. Mareninova<sup>1</sup>, S.R. Gretler<sup>1</sup>, J.M. Elperin<sup>1</sup>, M. Pimienta<sup>1</sup>, S.J. Pandol<sup>2</sup>, A.S. Gukovskaya<sup>1</sup>, I. Gukovsky<sup>1</sup>; <sup>1</sup>Medicine, UCLA/ VAGLAHS, CA/United States of America, <sup>2</sup>Cedars Sinai Medical Center/United States of America



P1-81

**O GlcNAc Modification of SOX2 Mediates Invasion and Self-Renewal in Pancreatic Cancer**

N.S. Sharma<sup>1</sup>, V.K. Gupta<sup>2</sup>, P. Dauer<sup>3</sup>, K.K. Kesh<sup>1</sup>, A. Saluja<sup>1</sup>, V. Dudeja<sup>1</sup>, S. Banerjee<sup>1</sup>; <sup>1</sup>Surgical Oncology, University of Miami, Miami, FL/United States of America, <sup>2</sup>Surgical Oncology, University of Miami, FL/United States of America, <sup>3</sup>Pharmacology, University of Minnesota, MN/United States of America

P1-82

**Oncogene Transduced Mouse Pancreatic Stem/Progenitor Cells Show Phenotypes Similar to Tumor-Initiating Cells**

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P1-83

**Overexpression of DCLK1 in Pancreatic Cancer Cells Increases Chemo-Resistance via Activating KRAS/PI3K/MTOR Signaling Pathway**

D. Qu<sup>1</sup>, N. Weygant<sup>1</sup>, J. Yao<sup>1</sup>, W. Berry<sup>1</sup>, P. Chandrakesan<sup>2</sup>, R. May<sup>2</sup>, S. Sureban<sup>2</sup>, C. Houchen<sup>3</sup>; <sup>1</sup>University of Oklahoma Health Sciences Center/United States of America, <sup>2</sup>Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK/United States of America, <sup>3</sup>Department of Medicine, The University of Oklahoma Health Sciences Center/United States of America

P1-84

**PA2G4 and PCDH10 Gene Mutations Differentiate Benign and Malignant IPMN**

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P1-85

**Pancreatic Juice culture in Acute pancreatitis and other Pancreatic Disorders**

M. Kikuyama<sup>1</sup>, T. Kamisawa<sup>1</sup>, S. Kawaguchi<sup>2</sup>, Y. Yokoi<sup>3</sup>, S. Terada<sup>2</sup>, T. Satoh<sup>2</sup>, S. Kuruma<sup>1</sup>, K. Chiba<sup>1</sup>; <sup>1</sup>Gastroenterology, Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hospital, Bunkyo-ku, Tokyo/Japan, <sup>2</sup>Gastroenterology, Shizuoka General Hospital, Shizuoka/Japan, <sup>3</sup>Surgery, Shinshiro Municipal Hospital, Shinshiro/Japan

P1-86

**Pancreatic Sphincterotomy as a Rescue Method in Difficult Biliary Cannulation - Start to Count**

L. Kylänpää<sup>1</sup>, S. Ismail<sup>1</sup>, M. Udd<sup>1</sup>, O. Lindström<sup>1</sup>, M. Rainio<sup>1</sup>, J. Halttunen<sup>1</sup>; Gastrointestinal Surgery, Helsinki University Central Hospital, Helsinki/Finland

P1-87

**Portal vs. Systemic Venous Drainage in Pancreas Transplantation: An Update of the UNOS Database**

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P1-88

**Preoperative panel of CA 19-9, coagulation FVIII, Fibrin Turnover Marker D-Dimer and Thrombin Time Predicts Postoperative Survival in Pancreatic Ductal Adenocarcinoma**

N. Mattila<sup>1</sup>, C. Haglund<sup>2</sup>, R. Lassila<sup>3</sup>, H. Seppänen<sup>1</sup>; <sup>1</sup>Department of Gastroenterological Surgery, University of Helsinki and Helsinki University Hospital/Finland, <sup>2</sup>Department of Gastroenterological Surgery, Helsinki University Hospital/Finland, <sup>3</sup>Coagulation Disorders Unit, Department of Hematology, Comprehensive Cancer Center, University of Helsinki and Helsinki University Hospital/Finland

P1-89

**Prognostic Significance of Heat Shock-Related 70-kDa Protein 2 Expression in Pancreatic Carcinoma**

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P1-90

**Quantitative Analysis of Microbial Contamination in Islet Isolation for Total Pancreatectomy and Islet Auto Transplantation (TPAIT): Development of Bioburden Reduction Strategies**

D.T. Heller<sup>1, 2</sup>, M.D. Bellin<sup>1, 3</sup>, K.L. Berry<sup>2</sup>, M. Cook<sup>2</sup>, G.J. Beilman<sup>2</sup>, T. Dunn<sup>2</sup>, T. Pruett<sup>2</sup>, S. Chinnikotla<sup>2, 3</sup>, V. Kirchner<sup>2</sup>, B. Hering<sup>1, 2</sup>, J. Wilhelm<sup>1, 2</sup>; <sup>1</sup>Schulze Diabetes Institute, University of Minnesota, Minneapolis/United States of America, <sup>2</sup>Department of Surgery, University of Minnesota, Minneapolis, MN/United States of America, <sup>3</sup>Pediatrics, University of Minnesota/United States of America

P1-91

**Randomized Trial Comparing the 22G Franseen Biopsy and 22G Aspiration Needles for EUS-guided Sampling of Solid Pancreatic Mass Lesions**

J.Y. Bang, S. Hebert-Magee, U. Navaneethan, M. Hasan, R. Hawes, S. Varadarajulu; Center for Interventional Endoscopy, Florida Hospital, Orlando, FL/United States of America

P1-92

**Ras Pathway Inhibition With Stat3 Inhibition Reprograms The Tumor Microenvironment To Enhance Immunotherapy In Pancreatic Cancer.**

P. Lamichhane, N. Nagathihalli, F. Messaggio, X. Dai, J. Barretta, M. Vansaun, N. Merchant; Surgery, University of Miami/United States of America

P1-93

**Relationship of Molecular Abnormalities to Pathology of Pancreatic Neuroendocrine tumor (pNET)**

Y. Fukumura<sup>1</sup>, C. He<sup>1</sup>, O. Mamat<sup>1</sup>, H. Mitomi<sup>1</sup>, M. Takase<sup>1</sup>, N. Fujiwara<sup>2</sup>, S. Kawasaki<sup>2</sup>, H. Isayama<sup>3</sup>, K. Suda<sup>1</sup>, T. Yao<sup>1</sup>; <sup>1</sup>Human Pathology, Juntendo University, Tokyo/Japan, <sup>2</sup>Hepatobiliary & Pancreatic Surgery, Juntendo University, Tokyo/Japan, <sup>3</sup>Gastroenterology, Juntendo University, Tokyo/Japan

P1-94

**Relative Effects of ADAM 10&17 Inhibition in a Mouse Model of Severe Acute Pancreatitis with Acute Lung Injury.**

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P1-95

**Reprogramming The PDAC Stroma By Targeting The Bet Family Of Chromatin Adaptors**

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P1-96

**Risk factors for Post-Endoscopic Retrograde Cholangiopancreatography (ERCP) Pancreatitis in the Modern Era: Secondary Analysis of a Randomized Controlled Trial**

V. Akshintala<sup>1</sup>, A. Kamal<sup>1</sup>, R. Talukdar<sup>2</sup>, N. Reddy<sup>2</sup>, M. Khashab<sup>1</sup>, A. Kalloo<sup>3</sup>, V. Singh<sup>4</sup>; <sup>1</sup>Gastroenterology, Johns Hopkins Hospital, Baltimore/United States of America, <sup>2</sup>Asian Institute of Gastroenterology/India, <sup>3</sup>Gastroenterology, Johns Hopkins Hospital, Baltimore, MD/United States of America, <sup>4</sup>Gastroenterology/Internal Medicine, Johns Hopkins Hospitals, Baltimore, MD/United States of America

P1-97

**Risk of Progression of Pancreatic Cysts in Solid Organ Transplant Recipients: A Systematic Review and Meta-Analysis**

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P1-98

**ROR1 Targeting Drugs Induced Significant Apoptosis of Pancreatic Cancer Cells**

A.H. Daneshmanesh<sup>1</sup>, M. Hojjat-Farsangi<sup>1</sup>, A. Moshfegh<sup>1</sup>, J. Schultze<sup>2</sup>, J. Vågberg<sup>2</sup>, S. Byström<sup>2</sup>, E. Olsson<sup>2</sup>, T. Olin<sup>2</sup>, A. Österborg<sup>3</sup>, H. Mellstedt<sup>1</sup>; <sup>1</sup>Department of Oncology-Pathology, Cancer Center Karolinska, Karolinska University Hospital Solna and Karolinska Institutet, Stockholm/Sweden, <sup>2</sup>Kancera AB, Karolinska Institute Science Park, Stockholm/Sweden, <sup>3</sup>Department of Hematology, Karolinska University Hospital Solna and Karolinska Institutet, Stockholm/Sweden

P1-99

**SEL1233 Maintains Mitochondrial Integrity, Inhibits Necrotic Cell Death and Ameliorates Experimental Acute Pancreatitis**

M. Awais<sup>1</sup>, X. Zhang<sup>1</sup>, D. Latawiec<sup>1</sup>, D. Criddle<sup>1</sup>, J. Sanvoisin<sup>2</sup>, C. Austin<sup>2</sup>, M. Peel<sup>3</sup>, R. Sutton<sup>4</sup>; <sup>1</sup>Institute of Translational Medicine, Liverpool University/United Kingdom, <sup>2</sup>Selcia Ltd/United Kingdom, <sup>3</sup>Cypralis Ltd/United Kingdom, <sup>4</sup>Institute of Translational Medicine, Liverpool University and Royal Liverpool University Hospital/United Kingdom

P1-100

**Sequential Gene Profiling of Metachronous Liver and Lung Metastasis After Pancreatectomy for Pancreatic Ductal Adenocarcinoma: A Case Report**

H. Sato<sup>1</sup>, J. Sasajima<sup>1, 2</sup>, Y. Ono<sup>2</sup>, T. Goto<sup>1</sup>, K. Koizumi<sup>3</sup>, T. Okada<sup>1, 2</sup>, S. Fujibayashi<sup>1</sup>, A. Hayashi<sup>1</sup>, H. Kawabata<sup>1</sup>, S. Takauji<sup>1</sup>, Y. Mizukami<sup>1, 2</sup>, T. Okumura<sup>1</sup>; <sup>1</sup>Department of Medicine, Division of Gastroenterology and Hematology/Oncology, Asahikawa Medical University, Asahikawa/Japan, <sup>2</sup>Institute of Biomedical Research, Sapporo Higashi Tokushukai Hospital/Japan, <sup>3</sup>Gastroenterology Medicine Center, Shonan Kamakura General Hospital/Japan

P1-101

**Sexually Dichotomous Cellular Signaling in Human Pancreatic Acinar Cells**

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P1-102

**SF-12 Measured Quality of Life after Total Pancreatectomy with Islet-Auto-Transplantation (TPIAT) for Chronic Pancreatitis**

D. Adams<sup>1</sup>, C. Chung<sup>1</sup>, K. Morgan<sup>2</sup>, S. Owczarski<sup>3</sup>, J. Borckhardt<sup>1</sup>, H. Wang<sup>1</sup>; <sup>1</sup>Medical University of SC, Medical University of SC, Charleston/United States of America, <sup>2</sup>Medical University of SC, Medical University of SC, Charleston, SC/United States of America, <sup>3</sup>Surgery, Medical University of South Carolina/United States of America

P1-103

**Short- and Long-Time Survival in Severe Acute Pancreatitis - a Retrospective 17-years' Cohort from a Single Centre**

H. Husu, A. Leppäniemi, T. Lehtonen, P. Puolakkainen, P. Mentula; University of Helsinki/Finland

P1-104

**Short-Term Outcomes and Risk Factors for Pancreatic Fistula After Pancreatic Enucleation: A Single-Center Experience of 142 Patients**

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P1-105

**Significance of Baseline Neutrophil-to-Lymphocyte Ratio in Predicting Prognosis in Pancreatic Cancer Treated with Carbon-Ion Radiotherapy**

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P1-106

**Sirtuin 3 Genetic Ablation Causes Mitochondrial Dysfunction and Promotes Acinar Cell Death in Acute Pancreatitis**

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P1-107

**Slit-Robo Signaling Mediates a TGF-beta Dependent Cross-Talk between Pancreatic Epithelium and Stroma**

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P1-108

**Sphingomyelin Phosphodiesterase 3 (Smpd3) Regulates Growth and Chemoresistance of Pancreatic Tumors**

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P1-109

**Stroma-Derived, Extracellular Vesicles Deliver Tumor-Suppressive miRNAs to Pancreatic Cancer**

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P1-110

**Stromal Fibroblasts in PDAC Promote an Immunosuppressive Microenvironment Through Elevated SDF-1/CXCL12**

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P1-111

**Super-enhancers: Novel Therapeutic Targets in Pancreatic Cancer (PDAC)**

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P1-112

**Systemic Inflammatory Response Syndrome at Presentation is Associated with Severe Acute Pancreatitis**

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P1-113

**Targeting eIF4A dependent translation as therapeutics in pancreatic cancer**

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P1-114

**The Economic Burden of Illness Associated with Exocrine Pancreatic Insufficiency (EPI)**

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P1-115

**The Intravenous Application of CXCR4-Targeted Conditionally Replicative Adenovirus with Fiber and Hexon Modifications in Pancreatic Cancer**

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P1-116

**The Late benign Biliary complication after pancreatoduodenectomy**

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P1-117

**The Safety and Effectiveness of Duodenal Stent for Patients Who Undergo Preoperative Chemoradiotherapy for Pancreatic Cancer**

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P1-118

**The significance of Conversion Surgery for Unresectable Pancreatic Cancer.**

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P1-119

**Thrombocytosis Following Pancreatectomy with Islet Autotransplantation in Children: Cincinnati Children's Hospital Experience**

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P1-120

**Time-dependent effects of Nerve Growth Factor on Pancreatic Cancer**

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P1-121

**Total Flavonoids from Psidium Guajava Leaves Prevent NLRP3 Inflammasome Activation and Alleviate the Pancreatic Fibrosis in a Mouse Model of Chronic Pancreatitis**

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P1-122

**Treatment of Locally Advanced Pancreatic Cancer Patients at Academic Centers is Associated with Improved Overall Survival: a National Cancer Database Analysis.**

J. David<sup>1</sup>, A. Torossian<sup>1</sup>, A. Hendifar<sup>2</sup>, N. Nissen<sup>3</sup>, R. Tuli<sup>1</sup>; <sup>1</sup>Radiation oncology, Cedars Sinai Medical Center/United States of America, <sup>2</sup>Department of Medicine, Cedars-Sinai Medical Center, CA/United States of America, <sup>3</sup>Cedars Sinai Medical Center/United States of America

P1-123

**Treatment of Pancreatic Cancer Through Targeting Cancer Cell Metabolism by Mitochondrial Uncouplers**

A. Alasadi; Pharmacology, Rutgers-RWJMS, Piscataway/United States of America

P1-124

**Validation Study for Acute Pancreatitis Quality Indicators (APQI)**

W. Wassef<sup>1</sup>, M. Mahmoud<sup>1</sup>, E. Vivian<sup>2</sup>, V. Singh<sup>3</sup>, P. Tarnasky<sup>2</sup>, N. Parsa<sup>4</sup>, S. Han<sup>5</sup>, S. Wani<sup>5</sup>, C.M. Wilcox<sup>6</sup>, S. Herndon<sup>6</sup>, S. Pandol<sup>7</sup>; <sup>1</sup>Gastroenterology/Internal Medicine, UMassMemorial Medical Center, Worcester, MA/United States of America, <sup>2</sup>Gastroenterology/Internal Medicine, Methodist Dallas Medical Center, Dallas, TX/United States of America, <sup>3</sup>Gastroenterology/Internal Medicine, Johns Hopkins Hospitals, Baltimore, MD/United States of America, <sup>4</sup>Gastroenterology/Internal Medicine, Johns Hopkins Hospitals, Baltimore/United States of America, <sup>5</sup>Gastroenterology/Internal Medicine, University of Colorado Anschutz Medical Center, Aurora, CO/United States of America, <sup>6</sup>Gastroenterology/Internal Medicine, University of Alabama, Birmingham, AL/United States of America, <sup>7</sup>Gastroenterology/Internal Medicine, Cedar-Sinai Medical Center, Los Angeles, CA/United States of America

P1-125

**Vasoactive Intestinal Peptide-secreting Tumors: 24 Year Experience from a Tertiary Center**

P. Siddappa<sup>1</sup>, S. Chari<sup>1</sup>, M. Topazian<sup>1</sup>, M.J. Levy<sup>1</sup>, F. Gleeson<sup>1</sup>, R. Pearson<sup>1</sup>, B.T. Petersen<sup>1</sup>, M. Farnell<sup>2</sup>, M.L. Kendrick<sup>2</sup>, G. Thompson<sup>2</sup>, D. Farley<sup>2</sup>, S. Vege<sup>1</sup>; <sup>1</sup>Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN/United States of America, <sup>2</sup>Surgery, Mayo Clinic, Rochester, MN/United States of America

P1-126

**Walled-off Necrosis (WON): Outcomes of an Algorithmic Approach to Necrosectomy**

J.Y. Bang, M. Hasan, U. Navaneethan, R. Hawes, S. Varadarajulu; Center for Interventional Endoscopy, Florida Hospital, Orlando, FL/United States of America

P1-127

**YAP signaling Mediates Pancreatic Ductal Adenocarcinoma (PDAC) Metastasis to the Liver**

Q. Wang, M. Edderkaoui, G. Lam, C. Chheda, S.J. Pandol; Department of Medicine, Cedars-Sinai Medical Center, CA/United States of America

P1-128

**ZIP4 Downregulates MicroRNA-224 and Promotes Anti-Apoptosis, Migration of Pancreatic Cancer Cells through Zn-CN-pCREB-RREB1 Cascade.**

J. Yang<sup>1</sup>, Y. Zhang<sup>2</sup>, X. Cui<sup>1</sup>, M. Li<sup>2</sup>; <sup>1</sup>Department of Medicine, The University of Oklahoma Health Sciences Center/United States of America, <sup>2</sup>Department of Medicine, The University of Oklahoma Health Sciences Center, Oklahoma City, OK/United States of America



## POSTERS OF DISTINCTION | FRIDAY, NOVEMBER 10

P2-1

### **Modelling Pancreatic Cancer Resection and Recurrence in an Immuno-competent Mouse Model**

B. Giri<sup>1</sup>, V. Sethi<sup>2</sup>, B. Garg<sup>2</sup>, L. Hellmund<sup>2</sup>, S. Lavania<sup>2</sup>, S. Ramakrishnan<sup>2</sup>, A. Saluja<sup>2</sup>, V. Dudeja<sup>2</sup>; <sup>1</sup>Surgery, University of Miami, Miami/United States of America, <sup>2</sup>Surgery, University of Miami/United States of America

P2-2

### **A Novel Transgenic Mouse Model of --Human Hereditary Pancreatitis**

Y. Zhang<sup>1</sup>, G. Zhang<sup>1</sup>, X. Zhan<sup>1</sup>, L. Zhuang<sup>1</sup>, Y. Li<sup>1</sup>, Y. Yao<sup>1</sup>, J. Guo<sup>1</sup>, A. Haddock<sup>1</sup>, E. Radisky<sup>1</sup>, L. Zhang<sup>1</sup>, S. Pandol<sup>2</sup>, C. Logsdon<sup>3</sup>, Y. Bi<sup>1</sup>, B. Ji<sup>1</sup>; <sup>1</sup>Mayo Clinic-FL/United States of America, <sup>2</sup>Gastroenterology/Internal Medicine, Cedar-Sinai Medical Center, Los Angeles, CA/United States of America, <sup>3</sup>MD Anderson Cancer Center/United States of America

P2-3

### **Activin in Acute Pancreatitis: Potential Early Novel Therapeutic Target**

Jonas J. Staudacher<sup>1</sup>, Cemal Yazici<sup>1</sup>, Timothy Carroll<sup>1</sup>, Jessica Bauer<sup>1</sup>, Jingbo Pang<sup>2</sup>, Nancy Krett<sup>1</sup>, Yinglin Xia<sup>1</sup>, Annette Wilson<sup>3</sup>, Georgios Papachristou<sup>3,4</sup>, David C. Whitcomb<sup>3</sup>, Paul Grippio<sup>1</sup>, Giamila Fantuzzi<sup>2</sup> and Barbara Jung<sup>1</sup>

P2-4

### **Alcohol, Smoking, Pancreatitis-Susceptibility Mutations and the Risk of Chronic Pancreatitis (CP)**

D. Yadav<sup>1</sup>, J.N. Abberbock<sup>2</sup>, J. Larusch<sup>3</sup>, V. Singh<sup>4</sup>, S. Sherman<sup>5</sup>, G. Cote<sup>6</sup>, S. Amann<sup>7</sup>, R.E. Brand<sup>8</sup>, N. Guda<sup>9</sup>, C. Forsmark<sup>10</sup>, C.M. Wilcox<sup>11</sup>, D.L. Conwell<sup>12</sup>, A. Slivka<sup>2</sup>, D.C. Whitcomb<sup>13</sup>; <sup>1</sup>UPMC/United States of America, <sup>2</sup>University of Pittsburgh/United States of America, <sup>3</sup>Precision Medicine/United States of America, <sup>4</sup>Johns Hopkins Medical Institutions/United States of America, <sup>5</sup>Indiana University/United States of America, <sup>6</sup>Medical University of South Carolina/United States of America, <sup>7</sup>North Mississippi Medical Center/United States of America, <sup>8</sup>University of Pittsburgh Medical Center/United States of America, <sup>9</sup>University of Wisconsin/United States of America, <sup>10</sup>Gastroenterology, University of Florida, Gainesville, FL/United States of America, <sup>11</sup>Gastroenterology/Internal Medicine, University of Alabama, Birmingham, AL/United States of America, <sup>12</sup>The Ohio State University Wexner Medical Center, OH/United States of America, <sup>13</sup>University of Pittsburgh Medical Center, Pittsburgh/United States of America

P2-5

### **Autophagy is Related with Activation of Pancreatic Stellate Cells, Associated with Pancreatic Cancer Progression**

K. Nakata, S. Endo, K. Ohuchida, Y. Mori, Y. Miyasaka, T. Ohtsuka, M. Nakamura; Department of Surgery and Oncology, Kyushu University/Japan

P2-6

### **Cathepsin C Affects Severity of Acute Pancreatitis by Regulating Activation of Neutrophil Enzymes**

A. Aghdassi<sup>1</sup>, D. John<sup>1</sup>, J. Aschenbach<sup>1</sup>, M. Sendler<sup>1</sup>, F.U. Weiss<sup>1</sup>, J. Mayerle<sup>2</sup>, M.M. Lerch<sup>1</sup>; <sup>1</sup>Department of Medicine A, University Medicine Greifswald/Germany, <sup>2</sup>Department of Medicine II, University Hospital München-Grosshadern of the LMU, München/Germany

P2-7

### **IL-22/IL-22RA1 Axis Drives Stemness and Tumorigenicity of Pancreatic Cancer Stem Cells via STAT3 Signaling**

J. Xue, W. He, J. Wu; School of Medicine, Shanghai Jiaotong University/China

P2-8

### **Indications and Clinical Outcomes for Pancreatectomy and Islet Autotransplantation (IAT) in a High Volume Pancreas Center**

P.K. Siddappa<sup>1</sup>, Y.C. Kudva<sup>2</sup>, S. Chari<sup>1</sup>, M. Topazian<sup>1</sup>, M.J. Levy<sup>1</sup>, F. Gleeson<sup>1</sup>, P.K. Randall<sup>1</sup>, B.T. Petersen<sup>1</sup>, M. Farnell<sup>3</sup>, M.L. Kendrick<sup>3</sup>, S. Vege<sup>1</sup>; <sup>1</sup>Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN/United States of America, <sup>2</sup>Endocrinology, Mayo Clinic, Rochester, MN/United States of America, <sup>3</sup>Surgery, Mayo Clinic, Rochester, MN/United States of America

P2-9

**Metformin Ameliorates Pancreatic Lesion Formation in Obese EL-Kras and KC Mice**

K. Castellanos<sup>1</sup>, A. Rodriguez<sup>2</sup>, G. Fantuzzi<sup>1</sup>, P. Grippo<sup>3</sup>; <sup>1</sup>Kinesiology & Nutrition, University of Illinois-Chicago, IL/United States of America, <sup>2</sup>Dentistry, University of Illinois-Chicago, IL/United States of America, <sup>3</sup>Medicine, University of Illinois-Chicago, IL/United States of America

P2-10

**Moderate ER Stress Caused by Impairment of the ER acetylCoA Transporter AT-1 Leads to Progressive Pancreatic Damage Characteristic of Chronic Pancreatitis**

M. Cooley<sup>1</sup>, D. Thomas<sup>1</sup>, K. Deans<sup>1</sup>, Y. Peng<sup>1</sup>, L. Puglielli<sup>1</sup>, G. Groblewski<sup>2</sup>; <sup>1</sup>University of Wisconsin/United States of America, <sup>2</sup>University of Wisconsin, Madison, WI/United States of America

P2-11

**Molecular Diagnostics for Early Detection and Triage of Pancreatic Cancer in High-Risk Populations**

R. Khosravi-Far<sup>1</sup>, H. Huseyin Otu<sup>2</sup>, X. Gu<sup>3</sup>, M. Bhasin<sup>3</sup>, T. Libermann<sup>3</sup>. <sup>1</sup>BiomaRx, One Broadway, Cambridge, MA<sup>2</sup>, University of Nebraska-Lincoln Department of Electrical and Computer Engineering, Nebraska<sup>3</sup> Department of Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

P2-12

**Nrf2 in Pancreatic Cancer Chemotherapy Response and the Use of Brusatol as a Chemotherapeutic Agent**

D. Williams<sup>1</sup>, T. Gana<sup>1</sup>, L. Sivapalan<sup>1</sup>, O. Butler<sup>1</sup>, R. Jackson<sup>1</sup>, P. Perez-Mancera<sup>1</sup>, L. Barrera-Briceno<sup>1</sup>, I. Copple<sup>1</sup>, T. Cox<sup>1</sup>, C. Goldring<sup>1</sup>, C. Halloran<sup>1</sup>, P. Ghaneh<sup>1</sup>, D. Palmer<sup>1</sup>, O. Strobel<sup>2</sup>, W. Greenhalf<sup>1</sup>, J. Neoptolemos<sup>1</sup>, E. Costello<sup>1</sup>; <sup>1</sup>Molecular and Clinical Cancer Medicine, University of Liverpool, Liverpool/United Kingdom, <sup>2</sup>Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg/Germany

P2-13

**Pancreatic Organoids Elucidate the New Mechanisms of Pancreatic Cancer Local Invasion**

K. Koikawa<sup>1</sup>, K. Ohuchida<sup>1</sup>, Y. Ando<sup>1</sup>, S. Kibe<sup>1</sup>, H. Nakayama<sup>1</sup>, S. Takesue<sup>1</sup>, Z. Yan<sup>1</sup>, T. Abe<sup>1</sup>, T. Okumura<sup>1</sup>, C. Iwamoto<sup>2</sup>, T. Moriyama<sup>1</sup>, K. Nakata<sup>1</sup>, Y. Miyasaka<sup>1</sup>, Y. Okabe<sup>1</sup>, T. Ohtsuka<sup>1</sup>, K. Mizumoto<sup>1</sup>, M. Nakamura<sup>1</sup>; <sup>1</sup>Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, <sup>2</sup>Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka/Japan

P2-14

**Pirfenidone Treatment Attenuates Local and Systemic Inflammation in Acute Pancreatitis and Reduces Fibrosis in Chronic Pancreatitis.**

J. George<sup>1</sup>, H. Cheema<sup>2</sup>, B. Giri<sup>3</sup>, R. Dawra<sup>4</sup>, A. Saluja<sup>4</sup>, V. Dudeja<sup>3</sup>; <sup>1</sup>Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America, <sup>2</sup>University of Miami/United States of America, <sup>3</sup>Surgery, University of Miami, Miami/United States of America, <sup>4</sup>Surgery, University of Miami/United States of America

P2-15

**Preoperative Next-Generation Sequencing of Pancreatic Cyst Fluid is Highly Accurate in Cyst Classification and Detection of Advanced Neoplasia**

A.D. Singhi<sup>1</sup>, K. McGrath<sup>2</sup>, R.E. Brand<sup>2</sup>, A. Khalid<sup>2</sup>, H.J. Zeh<sup>2</sup>, J.S. Chennat<sup>2</sup>, K.E. Fasanella<sup>2</sup>, G. Papachristou<sup>2</sup>, A. Slivka<sup>2</sup>, D.L. Bartlett<sup>2</sup>, A.K. Dasyam<sup>2</sup>, M. Hogg<sup>2</sup>, K.K. Lee<sup>2</sup>, J.W. Marsh<sup>2</sup>, S.E. Monaco<sup>2</sup>, N.P. Ohori<sup>2</sup>, J.F. Pingpank<sup>2</sup>, A. Tsung<sup>2</sup>, A.H. Zureikat<sup>2</sup>, A.I. Wald<sup>2</sup>, M. Nikiforova<sup>2</sup>; <sup>1</sup>Department of Pathology, University of Pittsburgh, PA/United States of America, <sup>2</sup>University of Pittsburgh Medical Center/United States of America

P2-16

**The Way from Abdominal Pain to Pediatric Pancreatitis -The PINEAPPLE study**

D. Mosztbacher<sup>1</sup>, A. Párnicky<sup>3</sup>, A. Toth<sup>4</sup>, A. Demcsak<sup>4</sup>, V. Ila<sup>5</sup>, M. Abu-El-Haija<sup>6</sup>, F. Szabo<sup>7</sup>, I. Tokodi<sup>8</sup>, B. Feher<sup>9</sup>, K. Bako<sup>9</sup>, O. Kadenczki<sup>9</sup>, I. Guthy<sup>10</sup>, I. Cazacu<sup>11</sup>, G. Veres<sup>1</sup>, K. Kaan<sup>1</sup>, M.F. Juhasz<sup>1</sup>, E. Horvath<sup>1</sup>, N. Lasztity<sup>3</sup>, T. Decsi<sup>12</sup>, B. Mosdosi<sup>12</sup>, A. Nagy<sup>12</sup>, A. Szentesi<sup>13</sup>, M. Sahin-Toth<sup>2</sup>, P. Hegyi<sup>13</sup>; <sup>1</sup>1st Department of Pediatrics, Semmelweis University/Hungary, <sup>2</sup>Department of Molecular & Cell Biology, Boston University, Boston, MA/United States of America, <sup>3</sup>Heim Pál Children's Hospital/Hungary, <sup>4</sup>Department of Pediatrics and Pediatric Health Center, University of Szeged/Hungary, <sup>5</sup>Department of Pediatrics, Dr. Kenessey Albert Hospital/Hungary, <sup>6</sup>Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center,

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P2-17

**Voluntary Running Delays Development of Obesity-Induced Pancreatic Ductal Adenocarcinoma in Mice**

N. Badi<sup>1</sup>, S. Knoblauch<sup>2</sup>, Z. Cruz-Monserrate<sup>1</sup>; <sup>1</sup>Internal Medicine / Division of Gastroenterology, Hepatology and Nutrition / The James Comprehensive Cancer Center, The Ohio State University Wexner Medical Center, OH/United States of America, <sup>2</sup>Veterinary Biosciences / The James Comprehensive Cancer Center, The Ohio State University Wexner Medical Center, OH/United States of America

## POSTERS

P2-18

**A Case of Minute Pancreatic Carcinoma with Focally Fatty Change of the Pancreatic Parenchyma**

K. Yoshida<sup>1</sup>, A. Kitagawa<sup>2</sup>, Y. Nakashima<sup>1</sup>, H. Aoki<sup>2</sup>, K. Hino<sup>2</sup>; <sup>1</sup>Interventional Bilio-Pancreatotomy, Kawasaki medical school, Kurashiki/Japan, <sup>2</sup>Hepatology and Pancreatotomy, Kawasaki medical school, Kurashiki/Japan

P2-19

**A Histopathologic Comparison of Fibrosis among Patients with and without Pancreatitis**

M. Faghghi<sup>1</sup>, M. Noe<sup>2</sup>, R. Moran<sup>2</sup>, N. Yahyapourjalaly<sup>2</sup>, O. Brewer Gutierrez<sup>2</sup>, T. Boortalar<sup>2</sup>, J.R. Azadi<sup>2</sup>, M. Fetrat<sup>2</sup>, A. Zaheer<sup>3</sup>, D.K. Andersen<sup>1</sup>, M. Makary<sup>2</sup>, A.M. O'Broin-Lennon<sup>2</sup>, V.K. Singh<sup>2</sup>; <sup>1</sup>Johns Hopkins/United States of America, <sup>2</sup>Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Hospital, Baltimore, MD/United States of America, <sup>3</sup>Gastroenterology, Johns Hopkins Hospital, Baltimore/United States of America

P2-20

**A Metastatic Pancreatic Ductal Adenocarcinoma Animal Model with Clinical Relevance in Syrian Golden Hamster Induced by N-nitrosobis(2-oxopropyl) Amine**

Y. Chen, H. Feng; School of Biomedical Sciences, The Chinese University of Hong Kong/Hong Kong PRC

P2-21

**A Novel Mechanism in Lymphatic Metastasis of Pancreatic Cancer**

H. Nakayama<sup>1</sup>, K. Ohuchida<sup>2</sup>, S. Takesue<sup>1</sup>, S. Kibe<sup>1</sup>, Y. Ando<sup>3</sup>, T. Abe<sup>1</sup>, S. Endo<sup>2</sup>, K. Koikawa<sup>1</sup>, T. Okumura<sup>2</sup>, T. Moriyama<sup>2</sup>, K. Nakata<sup>2</sup>, Y. Miyasaka<sup>2</sup>, K. Shirahane<sup>2</sup>, Y. Tominaga<sup>3</sup>, T. Ohtsuka<sup>2</sup>, K. Mizumoto<sup>2</sup>, M. Nakamura<sup>2</sup>; <sup>1</sup>Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, <sup>2</sup>Department of Surgery and Oncology, Kyushu University, Fukuoka/Japan, <sup>3</sup>Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University/Japan

P2-22

**A Phase 1/2 Trial to Evaluate the Pharmacokinetics, Safety, and Efficacy of NI-03 in Patients With Chronic Pancreatitis**

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P2-23

**A Screen for Inducers of bHLH Activity Identifies Pitavastatin as a Regulator of p21, Rb Phosphorylation and E2F Target Gene Expression in Pancreatic Cancer**

Villarino N<sup>1</sup>, Signaevskaia L<sup>1</sup>, van Niekerk J<sup>1</sup>, Medal R<sup>1</sup>, Kim H<sup>1</sup>, Lahmy R<sup>1</sup>, Scully K<sup>1</sup>, Pinkerton A<sup>2</sup>, Kim S<sup>3</sup>, Lowy A<sup>4</sup>, Itkin-Ansari P<sup>1,5</sup>. Sanford Burnham Prebys Medical Discovery Institute

P2-24

**A Systematic Review and Meta-Analyses of Genetic Risk Factor for Acute Pancreatitis**

F.F. Van Den Berg<sup>1</sup>, R. Kempeneers<sup>1</sup>, M. Boermeester<sup>1</sup>, M.G.H. Besselink<sup>1</sup>, H.C. Van Santvoort<sup>2</sup>, Y. Issa<sup>1</sup>; <sup>1</sup>Surgery, Academic Medical Center, Amsterdam/Netherlands, <sup>2</sup>St. Antonius/Netherlands

P2-25

**A Zinc-Dependent Integrin-Paxillin-GSK-3 $\beta$  Signaling Axis Mediates Cell Adhesion and Tumor Growth of Pancreatic Cancer**

M. Liu<sup>1</sup>, Y. Zhang<sup>1</sup>, J. Yang<sup>1</sup>, C. Houchen<sup>1</sup>, R. Postier<sup>2</sup>, M. Li<sup>1, 2</sup>; <sup>1</sup>Department of Medicine, The University of Oklahoma Health Sciences Center/United States of America, <sup>2</sup>Department of Surgery, University of Oklahoma Health Science Center/United States of America

P2-26

**Activated Brain Microglia in Caerulein Induced Persistent Pancreatitis**

K.N. Westlund, S.L. McIlwrath; Anesthesiology and Critical Care Medicine, University of New Mexico, Albuquerque, NM/United States of America

P2-27

**Activin Receptor Type IA in Pancreatic Pancer and Its Implications in Tumor Progression**

G. Mancinelli<sup>1</sup>, J. Bauer<sup>2</sup>, R. McKinney<sup>2</sup>, N. Krett<sup>2</sup>, B. Jung<sup>2</sup>, P. Grippo<sup>2</sup>; <sup>1</sup>Biochemistry & Molecular Genetics, University of Illinois-Chicago, IL/United States of America, <sup>2</sup>Medicine, University of Illinois-Chicago, IL/United States of America

P2-28

**Adipose Tissue Derived Stromal Cells Accelerate Tumor Progression and Desmoplasia of Pancreatic Cancer.**

T. Okumura, K. Ohuchida, T. Moriyama, K. Nakata, Y. Miyasaka, T. Ohtsuka, K. Mizumoto, M. Nakamura; Department of Surgery and Oncology, Kyushu University, Fukuoka/Japan

P2-29

**Anti-inflammation Effect of NecroX-7 with Mesenchymal Stem Cells in Acute Pancreatitis**

K.S. Yoo, H.S. Choi; Gastroenterology, Hanyang University Guri Hospital, Guri/Korea, Republic of

P2-30

**Arterial Sub-Adventitial Dissection: a Novel Technique and Implication for Updated Classification of Artery Invasion**

Y. Miao<sup>1</sup>, B. Cai<sup>2</sup>, L. Yin<sup>2</sup>, Z. Lu<sup>2</sup>, K. Jiang<sup>2</sup>, M. Li<sup>3</sup>, C. Dai<sup>2</sup>, J. Wu<sup>2</sup>, W. Gao<sup>2</sup>, C. Xi<sup>2</sup>, J. Wei<sup>2</sup>, J. Chen<sup>2</sup>, F. Guo<sup>2</sup>; <sup>1</sup>Pancreas Center, The First Affiliated Hospital of Nanjing Medical University/China, <sup>2</sup>Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China, <sup>3</sup>Department of Pathology, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China

P2-31

**Assessment of CFTR, SPINK1 and PRSS1 Mutations, Smoking and Alcohol Abuse in Adult Chronic Pancreatitis Patients from Barcelona.**

E.C. Vaquero<sup>1</sup>, H. De Leon<sup>1</sup>, J. Velasquez<sup>2</sup>, C. Badenas<sup>3</sup>, E. Varela<sup>2</sup>, X. Molero<sup>2</sup>; <sup>1</sup>Gastroenterology Department, Hospital Clínic, Barcelona/Spain, <sup>2</sup>Exocrine Pancreatic Diseases Research Group, Hospital Universitari Vall d'Hebron d'Hebron, Barcelona/Spain, <sup>3</sup>Biochemistry and Molecular Genetics Unit, Hospital Clínic, Barcelona/Spain

P2-32

**Assessment of plasma interleukin-6 as a Biomarker of Pancreatic Cancer-Induced Cachexia**

M.L. Ramsey<sup>1</sup>, E. Talbert<sup>1</sup>, D.L. Conwell<sup>1</sup>, D. Ahn<sup>2</sup>, M.R. Farren<sup>3</sup>, A. Hinton<sup>1</sup>, M. Dillhoff<sup>1</sup>, S.G. Krishna<sup>1</sup>, G.B. Lesinski<sup>3</sup>, A. Manilchuk<sup>1</sup>, T.M. Pawlik<sup>1</sup>, P. Rajasekera<sup>1</sup>, C. Schmidt<sup>1</sup>, T. Bekaii-Saab<sup>2</sup>, D.C. Guttridge<sup>1</sup>, P.A. Hart<sup>1</sup>; <sup>1</sup>The Ohio State University, Columbus, OH/United States of America, <sup>2</sup>The Mayo Clinic/United States of America, <sup>3</sup>Emory/United States of America

P2-33

**Assessment of UICC 8th TNM Classification for Cancreatic Ductal Adenocarcinoma, Focusing on Tumor Size and Tumor Invasion of Portal Vein Assessed by Dynamic CT**

A. Hayasaki, M. Kishiwada, T. Ito, T. Takeuchi, T. Fujii, Y. Iizawa, H. Kato, A. Tanemura, Y. Murata, N. Kuriyama, Y. Azumi, S. Mizuno, M. Usui, H. Sakurai, S. Isaji; Hepatobiliary pancreatic and transplantation surgery, Mie university, Tsh, Mie/Japan

P2-34

**Aurora Kinase A Improves Acinar Cell Survival and Regeneration in Experimental Pancreatitis of Mice**

L. Zhuang, X. Zhan, Y. Yao, Y. Zhang, J. Guo, F. Gui, J. Chen, A. Haddock, Y. Bi, B. Ji; Mayo Clinic-FL/United States of America

P2-35

**BET Inhibitors Suppress PD-L1 in Pancreatic Cancer and Stellate Cells**

K. Kumar, K. Ebine, B.T. DeCant, K.A. Collier, T.N. Pham, H.G. Munshi; Northwestern University, Chicago, IL

P2-36

**Biochemical and Genetic Predictors of Overall Survival in Patients with Metastatic Pancreatic Cancer Treated with capecitabine and Nab-Paclitaxel**

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P2-37

**Bone Health Assessment in Patients with Chronic Pancreatitis**

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P2-38

**Bone Health Parameters among Chronic Pancreatitis patients who are at high-risk or have Exocrine Pancreatic Insufficiency (EPI)**

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P2-39

**Cancer Risk in Patients Meeting AGA 2015 Management Criteria for Pancreatic Cystic Lesions**

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P2-40

**Chronic Consumption of Ethanol Decreases Trimethylation at Lys9 and Phosphorylation at Ser10 of Histone H3 in rat pancreas.**

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P2-41

**Cigarette Smoke Augments Pancreatic Cancer Stem Cells by Activating Paf1/PD2-mediated Stem Cell Signatures**

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P2-42

**Circulating Pancreatic stellate cells (cPSCs) and Tumour cells (CTCs) in Metastatic Pancreatic Cancer**

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P2-43

**Clinical Characteristics and Risk Factors of Pancreatic Cancer Patients in Our Hospital.**

A. Asakura, K. Nishiguchi, M. Taniguchi, N. Takahiko, M. Mori, Y. Kawasaki, T. Tokuda, H. Saiki, M. Sawamura, Y. Tokuda, Y. Onishi, T. Kawai, S. Hiyama, M. Hamano, M. Chiba, K. Yamamoto, N. Tatsumi, T. Ito; Gastroenterology, JCHO Osaka Hospital, Osaka/Japan

P2-44

**Clinicopathological Characteristics of Recurrent Pancreatic Cancer: Analysis of Autopsies**

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P2-45

**Comparable Responses in Male and Female Mice to Cerulein-Induced Chronic Pancreatic Injury and Recovery**

T. Obafemi, K. Liu, B. Cheng, P. Yu, J. Li, M. Younes, T. Ko, Y. Cao; UTHSC-Houston/United States of America

P2-46

**Comparative analysis of Pancrelipase and Pancreatin as Pancreatic Enzyme Replacement Therapy in Patients with Exocrine Pancreatic Insufficiency After Pancreatic Resection: a Prospective Randomized Study.**

S. Kagawa<sup>1</sup>, H. Yoshitomi<sup>2</sup>, S. Takano<sup>2</sup>, K. Furukawa<sup>2</sup>, T. Takayashiki<sup>2</sup>, S. Kuboki<sup>2</sup>, D. Suzuki<sup>2</sup>, N. Sakai<sup>2</sup>, H. Nojima<sup>2</sup>, T. Mishima<sup>2</sup>, M. Ohtsuka<sup>2</sup>; <sup>1</sup>Department of General Surgery, Chiba University, Chiba/Japan, <sup>2</sup>Department of General Surgery, Chiba University, Chiba City/Japan

P2-47

**Comparison of the Prognostic Value of preoperative Factors in Patients with Pancreatic Cancer**

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P2-48

**Crosstalk between Inflammation and Coagulation in Pancreatitis-Induced Respiratory Dysfunction**

S. Chooklin, B. Pidhirnyy, S. Chuklin; Regional Clinical Hospital, Lviv/Ukraine

P2-49

**Delayed Gastric Emptying and Morbidity After Pylorus-Preserving Versus Pylorus-Resecting Pancreaticoduodenectomy: Systematic Review and Meta-Analysis**

U. Klaiber, P. Probst, C.W. Michalski, M.W. Büchler, T. Hackert; Department of General, Visceral and Transplantation Surgery, University of Heidelberg/Germany

P2-50

**Differential Secretion of CA19-9 or sTRA into the Circulation Potentially is a Consequence of Distinct Subtypes of Pancreatic Cancer: Molecular and Morphological Evidence**

B.B. Haab<sup>1</sup>, Y. Liu<sup>1</sup>, D. Barnett<sup>1</sup>, B. Staal<sup>1</sup>, K. Partyka<sup>1</sup>, H. Tang<sup>1</sup>, G. Hostetter<sup>1</sup>, A. Singhi<sup>2</sup>, R. Brand<sup>2</sup>, R.R. Drake<sup>3</sup>; <sup>1</sup>Center for Cancer and Cell Biology, Van Andel Research Institute, Grand Rapids, MI/United States of America, <sup>2</sup>University of Pittsburgh Medical Center, PA/United States of America, <sup>3</sup>Medical University of South Carolina, SC/United States of America

P2-51

**Disease Course Differences in Acute Pancreatitis Based on Etiology Using the Pancreatitis Activity Scoring System (PASS)**

D. Lew<sup>1</sup>, B. Wu<sup>2</sup>, S.J. Pandol<sup>1</sup>, C. Sugar<sup>3</sup>, D. Senturk<sup>3</sup>, E. Afghani<sup>1</sup>; <sup>1</sup>Cedars Sinai Medical Center/United States of America, <sup>2</sup>Kaiser Permanente Los Angeles/United States of America, <sup>3</sup>UCLA/United States of America



P2-52

**Distal pancreatectomy for the Management of the Disconnected Pancreatic Duct Syndrome Following Necrotizing Pancreatitis.**

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P2-53

**Downregulation of GRP78 Mediates Chemo-Sensitivity and cell Death in PDAC**

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P2-54

**Dual Specificity Phosphatases (DUSPs) Role in Metabolic Reprogramming and Chemoresistance in Pancreatic Adenocarcinoma Cells**

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P2-55

**E2F-1 Induced MCAK Overexpression Promotes the Proliferation and Gemcitabine Resistance of Pancreatic Cancer Cells**

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P2-56

**Early Dual Drainage Combining Transpapillary-and Percutaneous-Drainages, a Novel Approach for Pancreatic Infection Associated with Pancreatic Fistula in Severe Acute Pancreatitis**

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P2-57

**Effects of Pentoxifylline and Indomethacin on a Genetic Mouse Model of Hereditary Pancreatitis**

L. Zhuang, J. Guo, Y. Yao, Y. Bi, B. Ji; Mayo Clinic-FL/United States of America

P2-58

**Effects of Unsaturated Free Fatty Acid (uFFA) Release in Severe Acute Pancreatitis (SAP)**

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P2-59

**Establishment of the Pancreatic Cancer Treatment Predicted for the Types of Recurrence**

J. Itakura, M. Watanabe, N. Hosomura, H. Amemiya, H. Kawaida, H. Okamoto, H. Kouno, D. Ichikawa; Surgery, University of Yamanashi, Yamanashi/Japan

P2-60

**Examining the Potential Oncogenic Function of Septins and Their Interaction with Chmp1A Tumor Suppressor in Pancreatic Cancer Cells**

M. Park<sup>1</sup>, V. Eversole<sup>2</sup>, Z. Slattery<sup>2</sup>, D. Upton<sup>3</sup>, C. Roberts<sup>2</sup>, J. Kidd<sup>3</sup>, T. Bentley<sup>3</sup>; <sup>1</sup>Physiology, KYCOM-UPIKE, Pikeville/United States of America, <sup>2</sup>KYCOM-UPIKE, KY/United States of America, <sup>3</sup>UPIKE/United States of America

P2-61

**Expression of Sirtuin-3 and Tumor Heterogeneity in Pancreatic Ductal Adenocarcinoma**

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P2-62

**Feasibility and clinical Utility of EUS guided Biopsy of Pancreatic Cancer for Next-Generation Genomic Sequencing**

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P2-63

**Frequency of Appropriate Use of Pancreatic Enzyme Replacement Therapy (PERT) and Symptomatic Response in Pancreatic Cancer Patients**

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P2-64

**Gastrin-Releasing Peptide as a Marker of Abnormal Glucose Metabolism After Pancreatitis**

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P2-65

**Heme Oxygenase-1 Inhibition Under Hypoxia Modulates Stemness and Immune Response in Pancreatic Cancer**

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P2-66

**Hospital admission for acute pancreatitis in a Chinese population, 2011-2014: big data analytics of Incidence and Hospital Expenses**

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P2-67

**Idiopathic (IRF) and IgG4 associated retroperitoneal fibrosis. Clinical and imaging characteristics; treatment response to steroids monotherapy vs tamoxifen + steroids**

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P2-68

**IL 6 Driven Metabolic Reprogramming Induces Stemness in Pancreatic Cancer**

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P2-69

**IL-6 and CRP are superior in early severity stratification of acute pancreatitis**

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P2-70

**Immune Landscape in Pancreatic Intraductal Papillary Mucinous Neoplasm Associated Cancer**

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P2-71

**Impact of High Pancreatic Amylase on Insulin Response in a Pig Model**

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P2-72

**Increasing Adiponectin Receptor Levels Improves Anti-Proliferative Effects of AdipoRon in Pancreatic Pancer**

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P2-73

**Influence of Ambulatory Triglyceride Levels on Risk of Recurrence in Patients with Hypertriglyceridemic Pancreatitis**

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P2-74

**Inhibition of DNA-PK interferes with Pancreatic Cancer Cell Growth and Correlates with Inhibition of Autophagy**

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P2-75

**Inhibition of ERK1/2 Targeting Cancer-Associated Fibroblasts Suppresses Pancreatic Cancer-Stromal Interaction.**

Z. Yan<sup>1</sup>, K. Ohuchida<sup>2</sup>, W. Guan<sup>1</sup>, H. Feng<sup>1</sup>, S. Kibe<sup>1</sup>, Y. Ando<sup>1</sup>, K. Nakata<sup>2</sup>, K. Shindo<sup>2</sup>, H. Toma<sup>3</sup>, Y. Tominaga<sup>4</sup>, Y. Miyasaka<sup>2</sup>, T. Ohtsuka<sup>2</sup>, M. Nakamura<sup>2</sup>; <sup>1</sup>Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, <sup>2</sup>Department of Surgery and Oncology, Kyushu University, Fukuoka/Japan, <sup>3</sup>Harasanshin Hospital, Fukuoka/Japan, <sup>4</sup>Fukuoka Sanno Hospital, Fukuoka/Japan

P2-76

**Insulin Enhances the Sensitivity of Pancreatic Cancer to Gemcitabine by Regulating NF- $\kappa$ B/hENT-1 Pathway**

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P2-77

**Intra- and Inter- observer agreement on CT scan features of Chronic Pancreatitis (CP)**

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P2-78

**Is Obesity Associated with Main-duct or Mixed-type Intraductal Papillary Mucinous Neoplasm?**

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P2-79

**Isolated Roux Loop Pancreaticojejunostomy Versus Single Loop Pancreaticojejunostomy After Pancreaticoduodenectomy: a Retrospective Cohort Study**

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P2-80

**Lin28B Facilitates the Progression and Metastasis of Pancreatic Ductal Adenocarcinoma (PDAC) by Downregulating Let-7 Expression**

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P2-81

**Mesenteric Lymph as a Source of Circulating Cell-Free DNA in Acute Pancreatitis**

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P2-82

**Middle Segment Pancreatectomy: It's Complications and Safety.**

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P2-83

**Most Chronic Pancreatitis Patients Continue Smoking After Their Diagnosis**

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P2-84

**Nerve-Cancer-Immune Network in Pancreatic Ductal Adenocarcinoma: Focused on GABRP**

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P2-85

**Non-Alcohol - Non-Biliary Pancreatitis is Associated with Increased Readmission for Pancreatitis in the First 30 Days.**

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P2-86

**Novel Patient-derived Xenograft Tumor and Cell Line from a Non Functioning Neuroendocrine Tumor of the Pancreas.**

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P2-87

**Nox1-Derived Reactive Oxygen Species Deteriorates the Pancreatic Exocrine Function in Middle-Aged Mice**

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P2-88

**Outcomes of Pancreatic Cysts Managed According to AGA Guidelines**

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P2-89

**Pancreatic Acinar Cell-Derived Exosomes: Mediators of Injury?**

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P2-90

**Pancreatic Gene Expression During Recovery After Pancreatitis Reveals Unique Transcriptome Profiles**

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P2-91

**Pancreatic Pseudocysts and Parenchymal Necrosis in Patients with Autoimmune Pancreatitis: A Systematic Review**

J.A. Donet, J.A. Barkin, T. Keihanian, Z. Nemeth, J.S. Barkin; University of Miami, Leonard M. Miller School of Medicine, Miami, FL/United States of America

P2-92

**Pancreaticoduodenectomy for Presumed Malignancy - Is a Preoperative Biopsy a Must?**

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P2-93

**Pathological markers which predict malignancy of intraductal papillary mucinous neoplasm (IPMN) of the Pancreas**

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P2-94

**PD2 Functions as the Master Regulator of Stem Cell Network Genes in Pancreatic Cancer**

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P2-95

**Pediatric Normal Values for Pancreatic Exocrine Function Measured by Secretin-Stimulated MRI**

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P2-96

**Plasma suPAR Levels in Chronic Pancreatitis and Pancreatic Cancer**

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P2-97

**Polyunsaturated Fatty Acids affect the Localization and Signaling of PIP3/PI3K/AKT in Pancreatic Ductal Adenocarcinoma**

C. Torres, R. McKinney, S. Saeed, P. Grippo; Medicine, University of Illinois-Chicago, IL/United States of America

P2-98

**Pomalidomide Alters Pancreatic Macrophage Populations to Decrease Fibrosis and Growth of Precancerous Lesions**

P. Storz, L. Bastea, G.-Y. Liou, B. Edenfield, H. Tun; Mayo Clinic/United States of America

P2-99

**Preoperative Serum Elastase-1 Level is an Independent Risk Factor for Pancreatic Fistula after Pancreaticoduodenectomy**

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P2-100

**Prevalence of Psychiatric Comorbidities in Patients Undergoing Total Pancreatectomy with Islet Cell Autotransplantation (TPIAT) and Associated Mortality. A Retrospective Review and Case Series.**

K.R. McEachron<sup>1</sup>, M. Melton<sup>2</sup>, G.J. Beilman<sup>1</sup>, M.D. Bellin<sup>1</sup>; <sup>1</sup>Surgery, University of Minnesota/United States of America, <sup>2</sup>Psychology, University of Minnesota/United States of America

P2-101

**Prior History of Pancreatitis Accelerates the Development of Pancreatic Adenocarcinoma**

A.E. Phillips<sup>1</sup>, N. Shah<sup>1</sup>, D. Yadav<sup>1</sup>, R. Brand<sup>2</sup>; <sup>1</sup>Division of Gastroenterology, Hepatology, and Nutrition, University of Pittsburgh Medical Center, Pittsburgh/United States of America, <sup>2</sup>Division of Gastroenterology, Hepatology, and Nutrition, University of Pittsburgh Medical Center, Shadyside Hospital, PA/United States of America

P2-102

**Prognostic Nomogram for Resected Pancreatic Adenocarcinoma**

Z. Lu, K. Jiang, D. Xu, K. Zhang, C. Dai, J. Wu, W. Gao, Y. Miao; Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China

P2-103

**Resolution of Inflammation is Regulated by Kynurenine-3-Monooxygenase Activity During Experimental Acute Pancreatitis**

A.J. Hayes<sup>1, 2</sup>, X. Zheng<sup>2</sup>, T.B. Murray<sup>2</sup>, G. Just<sup>3</sup>, M. Binnie<sup>4</sup>, N.Z. Homer<sup>3</sup>, J.E. Baily<sup>4</sup>, C. Skouras<sup>1</sup>, S.P. Webster<sup>4</sup>, J. Liddle<sup>5</sup>, I.J. Uings<sup>5</sup>, J.P. Iredale<sup>6</sup>, O.J. Garden<sup>1</sup>, S.E. Howie<sup>2</sup>, D.J. Mole<sup>1, 2</sup>; <sup>1</sup>Clinical Surgery, The University of Edinburgh/United Kingdom, <sup>2</sup>Medical Research Council Centre for Inflammation Research, University of Edinburgh/United Kingdom, <sup>3</sup>Mass Spectrometry Core, Edinburgh Clinical Research Facility, University of Edinburgh/United Kingdom, <sup>4</sup>University/British Heart Foundation Centre for Cardiovascular Science, University of Edinburgh/United Kingdom, <sup>5</sup>Discovery Partnerships with Academia, GlaxoSmithKline/United Kingdom, <sup>6</sup>Pro Vice Chancellor Health, Senate House, University of Bristol/United Kingdom



P2-104

**Selected Bioactive Lipids in Patients with Pancreatic Cancer**

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P2-105

**Splenic Vein Involvement of Pancreatic Adenocarcinoma is an Adverse Prognostic Factor after Surgery in Consequence of Liver Metastasis**

T. Mizumoto, H. Toyama, S. Terai, M. Kido, K. Ueno, T. Fukumoto, M. Tanaka, H. Mukubou; Division of Hepato-Biliary-Pancreatic Surgery, Department of Surgery, Kobe University Graduate School of Medicine, Kobe, Hyogo/Japan

P2-106

**Stabilized Incidence of Pediatric Acute Pancreatitis**

L. Hornung<sup>1</sup>, H. Kalkwarf<sup>1</sup>, F. Szabo<sup>2</sup>, M. Abu-El-Haija<sup>1</sup>; <sup>1</sup>Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America, <sup>2</sup>Children's Hospital of Richmond, Virginia Commonwealth University/United States of America

P2-107

**Stratification of Chemotherapy Treatment in Pancreatic Cancer: An in Vitro Approach**

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P2-108

**Targeting Cancer Stem Cells: A Major Improvement for Therapeutic Efficacy in Lethal Pancreatic Cancer**

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P2-109

**The Biological Propensity Predicts Peritoneal Recurrence After Curative Operation in Locally Advanced Pancreatic Head Cancer**

S. Takano, H. Yoshitomi, K. Suzuki, S. Kagawa, K. Furukawa, T. Takayashiki, S. Kuboki, D. Suzuki, N. Sakai, H. Nojima, T. Mishima, M. Ohtsuka; Department of General Surgery, Chiba University, Chiba/Japan

P2-110

**The CA19-9 and sTRA Antigens Define Independent PDAC Cell Subpopulations in Tumors, Lymph Nodes, Metastases, and Model Systems**

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P2-111

**The CT Value of the Future Remnant Pancreas Predicts Pathological Fibrosis and the Risk of Postoperative Pancreatic Fistula After Pancreaticoduodenectomy**

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P2-112

**The Effect of Chemical Sensory Denervation on Experimental Acute Pancreatitis**

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P2-113

**The IL1RN Genetic Polymorphism Is Associated With Acute Pancreatitis in a Korean Ethnic Group**

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P2-114

**The Molecular Mechanism of m6A Modification in Regulating lncRNA-KCNK 15-AS1 Mediated Pancreatic Cancer Invasion and Metastasis**

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P2-115

**The Ohio State University Pancreas Disorders Network U-BioCHIP Platform - An Update**

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P2-116

**The Prevalence of Diabetes Mellitus is Significantly Higher for Patients Undergoing Surgery for Pancreatic Ductal Adenocarcinoma Compared to Surgery for Other Pancreatic Pathologies.**

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P2-117

**The role of Bedside Ultrasonography in Monitoring Postoperative Course after Pancreaticoduodenectomy**

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P2-118

**The Role of Nuclear Lamina Dynamics in KRAS-Induced Pancreatic Transformation**

L.F. Flores, E. Tolosa, W. Barham, M. Fernandez-Zapico; Schulze Center for Novel Therapeutics, Mayo Clinic, Rochester, MN/United States of America

P2-119

**The Utility of Endoscopic Ultrasound in Patients with Isolated Serum Elevations in Amylase and/or Lipase: A Single Center Experience**

L. Sitaraman, A. Sachdev, T. Gonda, A. Sethi, J. Poneros, F. Gress; Columbia University Medical Center, New York, NY/United States of America

P2-120

**Therapy with Agent 767 After established severe Acute Pancreatitis (SAP) reduces Severity and Improves Survival.**

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P2-121

**Time Course of Monocyte STAT3 and NF- $\kappa$ B Phosphorylation in Severe Acute Pancreatitis**

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P2-122

**Total Psoas Density on Preoperative Axial CT scan as a Predictor of Postoperative Pancreatic Fistula (POPF) Development after Pancreatic Resection Surgery.**

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P2-123

**Tumour-Derived Interleukin 35 Promotes Pancreatic Ductal Adenocarcinoma Cell Extravasation and Metastasis by Inducing ICAM1 Expression**

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P2-124

**Understanding Pancreatic Cancer: National Pancreas Foundation's (NPF) Animated Pancreas Patient (APP) - Informing Patients for Better Health Outcomes**

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P2-125

**Utilizing Proteomic Analysis to Identify Biomarkers in Ethanol Induced Acute Pancreatitis**

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