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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APA CONTACT INFORMATION
Ashok K. Saluja, PhD
APA Secretary-Treasurer
Professor & Vice Chair, Surgery
University of Miami Miller School of Medicine
asaluja@miami.edu

PO Box 352406
Miami, FL 33135

Telephone | 305-243-6039
Fax | 305-243-6263
Email | apa@miami.edu

www.american-pancreatic-association.org
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 48th 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.
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:

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National Pancreas Foundation
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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ChiRhoClin
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Hirshberg Foundation
Interpace Diagnostics
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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 Mohaptra  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 Neveler  Danlu Wang
Cheng Hu  Anna Nurmi  Li Wen
Elaina Jones  Lucy Oldfield  Dylan Williams
Joerg Kaiser  Salvatore Paiella  Zilong Yan
Ayesha Kamal  He Ren  Ruwen Zhang

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

Sulagna Banerjee - University of Miami
Howard Crawford - University of Michigan
Vikas Dudeja - University of Miami
Carlos Fernandez-del Castillo - Harvard/MGH
Toru Furukawa- Tokyo Woman’s Medical University, Japan
Pramod Garg- AIIMS, India
Guy Groblewski- UW, Madison
Anna Gukovskaya- UCLA
Aida Habtezion- Stanford University
Peter Hegyi- University of Pecs, Hungary
Joe Hines- UCLA
Karen Horvath- UW Seattle
Sohail Husain- Children’s Hospital Pittsburgh
Myung-Hwan Kim- Asan Medical Center, Korea
Min Li- The University of Oklahoma Health Sciences Center
Ravikant Maddipatti- UPenn
Anirban Maitra- MD Anderson
Atsushi Masamune- Tohoku University, China
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Max Reichert – Technical University of Munich
Andrew Rhim - MD Anderson
Miklos Sahin-Toth –Boston University
Veena Sangwan –McGill University, Canada
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Vijay Singh – Mayo Clinic, Arizona
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Huaizhi Wang – Southwest Hospital 3rd Medical University, China
Andrea Wang- Gilliam – Washington University
Christopher Wolfgang – Johns Hopkins
Bechien Wu – Kaiser Permanente
Yianjun Yu -Fudan University, China
# MEETING AT A GLANCE

## WEDNESDAY, NOVEMBER 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 a.m. - 8:00 a.m.</td>
<td>Breakfast</td>
</tr>
<tr>
<td>8:00 a.m. - 3:30 p.m.</td>
<td>Pre-Meeting - Pancreatitis: Innovation and Emerging Research in a Complex Disease</td>
</tr>
<tr>
<td>12:00 p.m. - 1:00 p.m.</td>
<td>Lunch</td>
</tr>
<tr>
<td>5:00 p.m. - 7:00 p.m.</td>
<td>Hirshberg Opening Symposium: The Future of Pancreatic Cancer: From Mechanisms to Therapy</td>
</tr>
<tr>
<td>7:00 p.m. - 9:00 p.m.</td>
<td>Presidential Reception</td>
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## THURSDAY, NOVEMBER 9

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 a.m. - 8:15 a.m.</td>
<td>Breakfast &amp; Poster Viewing</td>
</tr>
<tr>
<td>8:15 a.m. - 10:00 a.m.</td>
<td>Abstract Session: Pancreatic Cancer</td>
</tr>
<tr>
<td>10:15 a.m. - 11:40 a.m.</td>
<td>MiniSymposium: Novel Therapeutic Targets in Pancreatitis</td>
</tr>
<tr>
<td>11:40 a.m. - 12:10 p.m.</td>
<td>Paul Webster Clinical State of the Art Lecture</td>
</tr>
<tr>
<td>12:10 p.m. - 2:00 p.m.</td>
<td>Lunch &amp; Poster Session</td>
</tr>
<tr>
<td>2:00 p.m. - 3:00 p.m.</td>
<td>Abstract Session: Pancreatitis</td>
</tr>
<tr>
<td>3:00 p.m. - 4:20 p.m.</td>
<td>MiniSymposium: Imaging the Pancreas</td>
</tr>
<tr>
<td>4:40 p.m. - 6:00 p.m.</td>
<td>Mini Symposium: Precision Medicine in Pancreatitis Management</td>
</tr>
<tr>
<td>7:00 p.m. - 10:00 p.m.</td>
<td>Reception &amp; Awards Dinner</td>
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## FRIDAY, NOVEMBER 10

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 a.m. - 8:00 a.m.</td>
<td>Breakfast &amp; Poster Viewing</td>
</tr>
<tr>
<td>8:00 a.m. - 9:30 a.m.</td>
<td>Abstract Session: Pancreatitis</td>
</tr>
<tr>
<td>9:30 a.m. - 10:00 a.m.</td>
<td>Frank Brooks State of the Art Lecture</td>
</tr>
<tr>
<td>10:15 a.m. - 12:00 p.m.</td>
<td>Mini Symposium: Fibrosis in Pancreatic Diseases: Friend or Foe?</td>
</tr>
<tr>
<td>12:00 p.m. - 2:00 p.m.</td>
<td>Lunch &amp; Poster Session</td>
</tr>
<tr>
<td>2:00 p.m. - 2:30 p.m.</td>
<td>Business Meeting</td>
</tr>
<tr>
<td>2:30 p.m. - 3:30 p.m.</td>
<td>Mini Symposium: From Radiology to Radiomics in Pancreatic Cancer</td>
</tr>
<tr>
<td>3:45 p.m. - 5:00 p.m.</td>
<td>Mini Symposium: Controversies in Clinical Pancreatology: Can We Define Early CP?</td>
</tr>
<tr>
<td>5:00 p.m. - 6:30 p.m.</td>
<td>Parallel Session: Clinical Science Abstracts</td>
</tr>
<tr>
<td>7:00 p.m.</td>
<td>Parallel Session: Basic Science Abstracts</td>
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## SATURDAY, NOVEMBER 11

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 a.m. - 8:00 a.m.</td>
<td>Breakfast</td>
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<tr>
<td>8:00 a.m. - 9:30 a.m.</td>
<td>Abstract Session: Pancreatic Cancer</td>
</tr>
<tr>
<td>9:30 a.m. - 10:30 a.m.</td>
<td>MiniSymposium: Immunotherapy in Pancreatic Cancer</td>
</tr>
<tr>
<td>10:45 a.m. - 12:00 p.m.</td>
<td>MiniSymposium: Clinical Trials in Pancreatitis</td>
</tr>
<tr>
<td>12:00 p.m. - 1:00 p.m.</td>
<td>MiniSymposium: PanCan Young Investigators</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>Lunch</td>
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## ONSITE REGISTRATION HOURS

<table>
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<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Wednesday, 11/8</td>
<td>7am – 7pm</td>
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<tr>
<td>Thursday, 11/9</td>
<td>7am – 5pm</td>
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<tr>
<td>Friday, 11/10</td>
<td>7am – 5pm</td>
</tr>
<tr>
<td>Saturday, 11/11</td>
<td>7am – 12pm</td>
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SOCIAL EVENTS

PRESIDENTIAL RECEPTION
Wednesday, November 8 | 7:00 pm – 9:00 pm
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
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 felicitation of Young Investigators awardees.

WOMEN IN PACREAS RECEPTION & DINNER
Friday, November 10, 7:00 pm
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® and Precision Promise℠, 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**

<table>
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<th>Time</th>
<th>Event</th>
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| 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 |
| 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*  

**48TH ANNUAL MEETING | November 8-11, 2017 | San Diego, CA**
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

48th 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 – 9:00 pm  Presidential Reception | Non-CME event
Location | Bay Terrace

THURSDAY, November 9
Commodore Ballroom CDE

7:00 – 8:15 am  Breakfast & Poster Viewing

Breakfast | Non-CME event
Location | Pavilion

Poster Viewing
Location | Pavilion

8:15 – 10:00 am  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
1Department of Pathology, University of Pittsburgh, Pittsburgh, PA; 2Foundation Medicine, Inc., Cambridge, MA; 3University of Pittsburgh Medical Center, Pittsburgh, PA; 4Medical College of Wisconsin, Milwaukee, WI.

A System Biology Approach via Connectivity Mapping (CMAP) to Identify New Therapeutic Targets Against Lethal Pancreatic Cancer
1Biochemistry and Molecular Biology, UNMC, Omaha, NE; 2School of Interdisciplinary Informatics, College of Information Science and Technology, University of Nebraska Omaha, Omaha, NE.

Defining DDR Defectiveness and Replication Stress in Pancreatic Cancer
1Wolfson Woh Institute of Cancer Sciences, University of Glasgow, Glasgow, United Kingdom; 2Glasgow Royal Infirmary, West of Scotland Pancreatic Unit, Glasgow, United Kingdom; 3South Western Sydney Clinical School, Faculty of Medicine, University of New South Wales, Sydney, Australia.

Therapeutic Targeting of MLL3 Mutant Pancreatic Cancer
1Pathology, The UT MD Anderson Cancer Center, Houston, TX; 2MD 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
1Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN; 2Department of Health Sciences Research, Mayo Clinic, MN.

Gut Microbiome Depletion Decreases Tumor Burden in Murine Models of Pancreatic Cancer
10:00 – 10:15am  
Break  
Location | Commodore Foyer

10:15 – 11:40am  
MINI SYMPOSIUM: Novel Therapeutic Targets in Pancreatitis  
Location | Commodore Ballroom CDE  
Chair | Barbara H. Jung, MD and Joachim Mössner, MD

Julia V. Mayerle, MD, Ludwig-Maximilians-Universität, Munich, Germany  
*Protease inhibition for the Treatment of Pancreatitis: A Concept to be Revisited?*

Robert Sutton, BA, MB, BS, DPhil, FRCS, University of Liverpool, UK  
*Drugs for Pancreatitis: Progress and Prospects*

Sohail Z. Husain, MD, Children’s Hospital of Pittsburgh of UPMC  
*Targeting the Calcium Effector Calcineurin in Pancreatitis*

Atsushi Masamune, PhD, Tohoku University, Sendai, Japan  
*Using Genetics to Identify Novel Therapeutic Targets in Pancreatitis*

Vijay P. Singh, MBBS, Mayo Clinic College of Medicine  
*When the Oils we Love Fuel the Fire Within: Lessons from Severe Pancreatitis*

11:40-12:10 pm  
**Paul Webster Clinical State of the Art Lecture**  
Location | Commodore Ballroom CDE  
Introduction | Ashok K. Saluja, PhD

Markus M. Lerch, MD, Ernst-Moritz-Arndt-University Greifswald, Germany  
*The Shifting Landscape of Pancreatitis*

12:10 – 2:00 pm  
Lunch & Poster Session | Non-CME event  
Lunch | Pavilion

Poster Session  
Location | Pavilion  
Guided viewing of the posters of distinction – 1-2pm  
Meet at Registration / Location | Pavilion Foyer

2:00 – 3:00pm  
**Pancreatitis Abstract Session**  
Location | Commodore Ballroom CDE  
Moderators | Aditi Bhargava, PhD and Guy E. Groblewski, PhD

**Treatment With Volanesorsern (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**  
A.A. Gelrud,1 A. Digenio,2 V. Alexander,3 K.R. Williams,4 A. Hsieh,5 I. Gouni-Berthold,6 E. Bruckert,7 E. Stroes,8 R. Geary,9 S. Hughes,9 S. Tsmikas10, J.L. Witztum,11 D. Gaudet.12  
1Pancreas Center, University of Chicago, Pancreas Center, Chicago, IL; 2Clinical Development, Akcea Therapeutics Inc, Cambridge, MA; 3Clinical Development, Ionis Pharmaceutical, Carlsbad, CA; 4Medical Affairs, Akcea Therapeutics,
Cambridge, MA; 5Medical Affairs, Akcea Therapeutics Inc, Cambridge, MA; 6Polyclinic for Endocrinology Diabetes and Preventative Medicine, University of Cologne, Cologne, Germany; 7Institut E3M et IHU Cardiométabolique (ICAN), Hôpital Pitié-Salpêtrière, Paris, France; 8Vascular Medicine, Academic Medical Center, Amsterdam, Netherlands; 9Ionis Pharmaceuticals, Carlsbad, CA; 10Clinical Development/Cardiology, Ionis Pharmaceuticals, Carlsbad, CA and UC San Diego, La Jolla, CA; 11Ionis Pharmaceuticals, Carlsbad, CA and UC San Diego, La Jolla, CA 12Universite de Montreal, Montreal, Canada.

Enhanced Recovery in Acute Pancreatitis (RAPTor): A Randomized Controlled Trial
E. Dong, 1 J.I. Chang, 2 D. Verma, 2 M. Batech, 3 C. Villarin, 3 K.K. Kwok, 2 W. Chen, 3 B.U. Wu, 2 1Internal Medicine, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA; 2Gastroenterology, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA; 3Kaiser 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, 1 Y. Wei, 1 L. Li, 2 A. Habtezion. 1
1Division of Gastroenterology and Hepatology, Stanford University School of Medicine, Stanford, CA; 2Biochemistry 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, 1 C. Van Den Brandt, 1 F.U. Weiss, 1 J. Golchert, 2 G. Homuth, 2 M.M. Lerch, 1 J. Mayerle. 3
1Department of Medicine A, University Medicine Greifswald, Greifswald, Germany; 2Interfaculty Institutes for Genetics and Functional Genomics, University Medicine Greifswald, Greifswald, Germany; 3Department 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 αvβ6 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 Shimosgawa, 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,1 V. Akshintala,1 R. Talukdar,2 M.K. Goenka,3 R. Kochhar,4 S. Lakhtakia,5 M.K. Ramchandani,2 S. Sinha,4 R. Goud,2 V.K. Rai, Vijay K,3 B.J. Elmunzer,5 M. Khashab,1 A. Kalloo,6 N. Reddy,2 V.K. Singh,1 1Gastroenterology, Johns Hopkins Hospital, Baltimore, MD; 2Asian Institute of Gastroenterology, Hyderabad, India; 3Apollo Gleneagles Hospital, Kolkata, India; 4Postgraduate Institute of Medical Education and Research, Chandigarh, India; 5Medical University of South Carolina, Charleston, SC; 6Gastroenterology, 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, Minneapolis, MN

Minimally Invasive Surgery Versus Endoscopy Randomized (MISER) Trial for Necrotizing Pancreatitis
J.Y. Bang1, J.P. Arnoletti2, U. Navaneethan1, M. Hasan1, R. Hawes1, S. Varadarajulu1
1Center for Interventional Endoscopy, Florida Hospital, Orlando, FL; 2Surgery, 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,1 E.T. Vegh,1,2 S.R. Gretler,1 S.W. French,3 I. Gukovsky,1 A.S. Gukovskaya.1,4 Medicine, UCLA/ VAGLAHS, CA; 2University of Szeged, Szeged, Hungary; 3Harbor-UCLA Medical Center, CA.

Morphine Worsens the Severity of Acute Pancreatitis in Ethanol-Palmitoleic Acid Model of Acute Pancreatitis
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 - 10:15 am  
Break  
Location | Commodore Foyer

10:15 - 12:00 pm  
**MINI SYMPOSIUM: Fibrosis in Pancreatic Diseases: Friend or Foe?**  
Location | Commodore Ballroom CDE  
Chairs | Stephen P. James, MD and Min Li, PhD

**State of the Art Lecture**  
David A. Brenner, MD, University of California San Diego  
*Lessons from Liver Fibrosis*

Minoti Apte, PhD, University of New South Wales, Australia  
*Learning from Our Scars*

Vikas Dudeja, MD, University of Miami Miller School of Medicine  
*Therapeutic Targeting of Fibrosis in Chronic Pancreatitits*

Aida Habtezion, MD, Stanford University  
*Aryl Hydrocarbon Receptor Ligands in Cigarette Smoke Promote Fibrosis in Pancreatitis*

Stephanie I. Fraley, PhD, UC San Diego  
*A Conserved Metastatic Migration Phenotype is Triggered by Confining Collagen Architectures*

Andrew D. Rhim, MD, MD Anderson Cancer Center  
*Novel Factors Affecting the Pancreatic Tumor Microenvironment*

12:00 – 2:00 pm  
**Lunch & Poster Session | Non-CME event**

Poster Session  
Location | Pavilion  
Guided viewing of the posters of distinction – 1-2pm  
Meet at Registration / Location | Pavilion Foyer

2:00 - 2:30 pm  
**Business Meeting**

Location | Commodore Ballroom CDE  
**Presidential Address** Miklos Sahin-Toth, MD, PhD

**Secretary-Treasurer's Report** Ashok K. Saluja, PhD  
**Report from the Nominating Committee** Miklos Sahin-Toth, MD, PhD

2:30 - 3:30 pm  
**MINI SYMPOSIUM: From Radiology to Radiomics in Pancreatic Cancer**  
Chair | Dana K. Andersen, MD and Igor Astsaturov, MD, PhD  
Alec J. Megibow, MD, NYU-Langone Health  
*Pancreatic cysts: New recommendations from American College of Radiology*

Eugene J. Koay, MD, PhD, MD Anderson Cancer Center  
*CT Imaging-Based Biomarkers of Pancreatic Ductal Adenocarcinoma*
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. Forsmark1, G. Tang2, M. Tuft2, H. Xu1, S.J. Hughes3, D. Yadav4; 1Gastroenterology, University of Florida, Gainesville, FL, 2Gastroenterology, University of Pittsburgh, PA, 3Surgery, University of Florida, Gainesville, FL, 4Division of Gastroenterology, Hepatology, and Nutrition, University of Pittsburgh Medical Center, Pittsburgh, PA.

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

A. Sud,1 J. Armstrong,2 D. Latawiec,2 R. Furze,3 N. Smithers,3 N. Galwey,3 R. Sutton.1 1Department of Molecular and Clinical Cancer Medicine, NIHR Liverpool Pancreas Biomedical Research Unit, Liverpool/United Kingdom, 2Department of Molecular and Clinical Cancer Medicine, University of Liverpool, NIHR Liverpool Pancreas Biomedical Research Unit, Liverpool, United Kingdom, 3Immuno-Inflammation Theraputic 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, A. Sharma, S. Chari
1Internal Medicine, Saint Peter's University Hospital, New Brunswick, NJ; 2Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN; 3Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

Alterations in KRAS, CDKN2A, TP53, and SMAD4 Predict Disease-Free Survival in Resected Pancreatic Ductal Adenocarcinoma
1Department of Medical Oncology, Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA; 2Department of Oncologic Pathology, Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA; 3Program in MPE Molecular Pathological Epidemiology, Department of Pathology, Brigham and Women’s Hospital and Harvard Medical School, Boston, MA; 4Department of Medicine, Division of Hematology and Oncology, Wilmsot Cancer Institute, University of Rochester Medical Center, Rochester, NY; 5Department of Radiation Oncology, Stanford Cancer Institute, Stanford, CA; 6Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; 7Department of Hematology and Oncology, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA; 8Department of Surgery, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA; 9Department of Surgery, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; 10Department of Surgery, University of Rochester Medical Center, Rochester, NY; 11Department of Pathology, University of Rochester Medical Center, Rochester, NY; 12Department of Pathology, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; 13Center 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
1Division of Hepato-Biliary-Pancreatic surgery, Shizuoka Cancer Center, Sunto-Nagaizumi, Shizuoka, Japan; 2Division of Pathology, Shizuoka Cancer Center, Shizuoka, Japan.

Changes in Body Composition During Neoadjuvant Treatment for Pancreatic Cancer
148TH ANNUAL MEETING November 8-11, 2017 San Diego, CA 21
K.D. Lillemoe,¹ C. Bassi,² M. Braga,³ L. Gianotti,⁴ D. Sahani,² C. Fernandez-Del Castillo.¹

¹Surgery, Massachusetts General Hospital, Boston, MA; ²Radiology, Massachusetts General Hospital, Boston, MA; ³Department of Radiology, Hospital Universitario Dr. José Eleuterio Gonzáles, Mexico; ⁴General and Pancreatic Surgery Department, Pancreas Institute, Italy; ⁵Radiology, Pancreas Institute, Italy; ⁶Radiology, School of Medicine and Surgery, San Gerardo Hospital, University of Milano-Bicocca, Italy; ⁷Oncology, General and Pancreatic Surgery Department, Pancreas Institute, Italy; ⁸Surgery, Vita-Salute San Raffaele University, Italy; ⁹Radiology, Vita-Salute San Raffaele University, Italy; ¹⁰General and Pancreatic Department, Pancreas Institute, Italy; ¹¹Surgery, 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. Cobo¹, J. Melià², F. García³, J.-C. Park⁴, J. Muñoz³, F.X. Real¹; ¹Cancer Cell Biology Program, Spanish National Cancer Research Center, Madrid/Spain, ²Humanitas Research Center/Italy, ³Proteomic 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,¹ N. Akanuma,¹ J. Liu,¹ M. Nipper,¹ M. Gao,¹ K. Bejar,¹ A.D. Singhi,² H. Wang,² H. Crawford.⁴

¹UT Health Science Center, The University of Texas Health San Antonio, San Antonio, TX; ²University of Pittsburgh, Pittsburgh, PA; ³Department of Pathology, The University of Texas M.D. Anderson Cancer Center, Houston, TX; ⁴Department 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,¹ R.T. Waldron,² S.J. Pandol,² A. Lugea.²

¹Cedars-Sinai Medical Center, Los Angeles, CA; ²Department 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**

University of Wisconsin, Madison, WI
A Role for Pancreatic NFAT in Pancreatitis
L. Wen,1 T. Javed,1 A. Orabi,1 S. Husain.2
1Department of Pediatrics, University of Pittsburgh, Pittsburgh, PA; 2Department 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 Laukkari, 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,1,2 S. Srinjoy,1 S. Misale,3 M. Karabacak,4 J. Malagon-Lopez,4 N. Vincent Jordan,2 N. Desai,4 K. Arora,4 A. Kulkarni,4 M. Rajurkar,4 M. Di Pilato,1 M. Boukhalil,4 J. Fatherree,4 E. Tai,4 K. Vo,4 L. Damon,4 K. Xega,4 R. Desai,4 M. Choz,2 F. Bersani,4 V. Thapar,4 M. Rivera,4 V. Deshpand,4 C. Benes,4 L. Nieman,4 S. Maheswaran,4 D.A. Haber,4 C. Fernandez-Del Castillo,2 C.R. Ferrone,2 W. Haas,4 M.J. Aryee,4 D. Ting.5
1Massachusetts General Hospital, Boston, MA; 2Surgery, Massachusetts General Hospital, Boston, MA; 3Memorial Sloan Kettering, New York, NY; 4Cancer Center, Massachusetts General Hospital, Boston, MA; 5Massachusetts General Hospital Cancer Center, Charlestown, MA.

CDKN2A Deletion Confers Resistance to MEK Inhibition in Pancreatic Cancer
A. Gaidarski, 1 J. Castellanos, 2 C. Roberts, 1 P. Lamichhane, 3 X. Dai, 1 M. Vansaun, 1 N. Nagathihalli, 2 N. Merchant. 1

1Surgery, University of Miami, Miami, FL; 2Surgery, Vanderbilt University, Nashville, TN; 3Surgery, University of Miami, Miami, FL; 4Surgery, 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

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

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

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

A. Antila, 1 A. Siiki, 1 J. Sand, 2 J. Laukkarinen. 2

1Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; 2Department 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


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**  
1Stead Family Department of Pediatrics, University of Iowa/United States of America, 2Pediatrics, University of Minnesota/United States of America, 3Pediatrics, Washington University/United States of America, 4Internal Medicine, University of Pittsburgh/United States of America, 5Biostatistics, University of Iowa/United States of America, 6UPMC/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. Mukhija1, S.J.S. Nagpal2, D. Sohal3; 1Internal Medicine, Cleveland Clinic, Cleveland/United States of America, 2Gastroenterology and Hepatology, Mayo Clinic/United States of America, 3Cleveland Clinic/United States of America

**P1-4**

**Ethanol and Smoking Promote Inflammation and Cell Death in Pancreas of Humanized PRSS1-R122H Transgenic Mice.**  
C. Hu1, 2, H.-Y. Su1, R.T. Waldron1, A. Lugea1, Q. Xia2, B. Ji3, S.J. Pandol1; 1Cedars Sinai Medical Center/United States of America, 2Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre, West China Hospital, Sichuan University/China, 3Mayo Clinic/United States of America

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**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

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S.L. Safgren1, R.L. Olsen2, M.E. Fernandez-Zapico3, A.L. Vrabel2, N. Hernandez-Alvarado2; 1Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic, Rochester/United States of America, 2Oncology Research, Mayo Clinic, Rochester, MN/United States of America, 3Oncology Research, Mayo Clinic, Rochester/United States of America

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M.D. Bellin1, L. Luis2, M. Abu-El-Haija3, D. Adams4, G.J. Beilman5, S. Chinnakotla6, T. Dunn5, M. Freeman7, T. Gardiner8, V. Kirchner9, K. Morgan10, J.D. Nathan11, B. Naziruddin12, T. Pruett13, S.J. Schwarzenberg13, V. Singh14, K. Smith15, J. Steel15, M. Wijkstrom15, P. Witkowski16, D.L. Connell17; 1Pediatrics, University of Minnesota, Minneapolis, MN/United States of America, 2The Ohio State University Wexner Medical Center/United States of America, 3Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America, 4University of Minnesota, Minneapolis, MN/United States of America, 5Department of Surgery, University of Minnesota, Minneapolis, MN/United States of America, 6University of Minnesota/United States of America, 7Gastroenterology, University of Minnesota, Minneapolis/United States of America, 8Dartmouth Hitchcock Medical Center/United States of America, 9Surgery, University of Minnesota/United States of America, 10Medical University of SC, Medical University of SC, Charleston/United States of America, 11Pancreas Care Center, Liver, Kidney and Intestinal Transplant Programs, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America, 12Baylor School of Medicine/United States of America, 13Pediatrics, University of
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V. Sethi1, A. Da Silva Benaduce2, B. Giri3, B. Garg1, M. Tarique1, Z. Malchiodi1, S. Lavanias1, L. Hellmund1, S. Ramakrishnan1, A. Ishkanian2, V. Dudeja1, A. Saluja1; 1Surgery, University of Miami/United States of America, 2Radiation Oncology, University of Miami/United States of America, 3Surgery, University of Miami, Miami/United States of America

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V.K. Gupta1, N.S. Sharma2, K.K. Kesh2, P. Dauer3, A. Nomura2, B. Giri4, V. Dudeja5, A. Saluja5, S. Banerjee5; 1Department of Surgery, University of Miami, Miami/United States of America, 2Surgical Oncology, University of Miami, Miami, FL/United States of America, 3Pharmacology, University of Minnesota, MN/United States of America, 4Surgery, University of Miami, Miami/United States of America, 5Surgery, University of Miami/United States of America, 9Johns Hopkins University/United States of America

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H.-H. Chang1, A. Moro1, C.E.N. Chou1, A.I. Schmidt1, J. Sinnett-Smith2, O.J. Hines1, G. Eibll1, E. Rozengurt2; 1Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA/United States of America, 2Department of Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA/United States of America
Morphine Treatment Increases the Severity of Acute Pancreatitis via μ-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

R. Bhatia1, S. Joshi1, A. Aithal1, W. Junker1, A. Cannon1, B. Hall2, C.M. Thompson1, S. Kumar1, S.K. Batra1, M. Jain1; 1Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE/United States of America, 2Department of Surgery, University of Nebraska Medical Center, Omaha, NE/United States of America

Novel c.49C>A (p.P17T) Mutation in the Activation Peptide of Human Cationic Trypsinogen (PRSS1) in a Case of Chronic Pancreatitis
B.C. Nemeth1, A. Szucs2, P. Hegyi3, M. Sahin-Toth4; 1First Department of Medicine, University of Szeged, Szeged/Hungary, 2First Department of Surgery, Semmelweis University, Budapest/Hungary, 3Department of Translational Medicine, University of Pecs, Pecs/Hungary, 4Department of Molecular & Cell Biology, Boston University, Boston, MA/United States of America

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

Pancreatic Cancer Following Incident Diabetes in African Americans and Latinos: the Multiethnic Cohort
V.W. Setiawan1, D. Stram1, J. Porcel2, S.J. Pandol3, C. Haiman1, K. Monroe1; 1Preventive Medicine, University of Southern California/United States of America, 2University of Southern California/United States of America, 3Cedars Sinai Medical Center/United States of America

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

Secretory Inhibition During Acute Pancreatitis is Mediated by a Loss of Phosphatidylinositol (4,5) Phosphate (PIP2)
S. Messenger, T. F. Martin; Department of Biochemistry, University of Wisconsin–Madison/United States of America

The Impact of Metformin in Overall Survival in Diabetic Patients Diagnosed with Pancreatic Adenocarcinoma: A Meta-analysis
D. Wang1, J. Satiya1, J. Barkin2, 3, E. Donath1; 1University of Miami Miller School of Medicine Palm Beach Regional Campus, L, FL/United States of America, 2Department of Gastroenterology, University of Miami Leonard Miller School of Medicine, FL/United States of America, 3University of Miami Pancreas Center, FL/United States of America
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G. Farkas Jr, G. Farkas, G. Lazar; Department of Surgery, University of Szeged, Szeged/Hungary

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K. Yoshida1, H. Aoki2, Y. Nakashima1; 1Interventional Bilio-Pancreatology, Kawasaki medical school, Kurashiki/Japan, 2Hepatology and Pancreatology, Kawasaki medical school, Kurashiki/Japan

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D. Du1, R. Zhang2, N. Shi3, T. Jin3, D.N. Criddle4, R. Sutton5, W. Huang3, Q. Xia3; 1West China-Washington Mitochondria and Metabolism Center, West China Hospital, Sichuan University, Chengdu/China, 2Laboratory of Ethnopharmacology, West China Hospital, Sichuan University, Chengdu/China, 3Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Center, West China Hospital, Sichuan University, Chengdu/China, 4Department of Cellular and Molecular Physiology, Institute of Translational Medicine, University of Liverpool, Liverpool/United Kingdom, 5Department of Molecular and Clinical Cancer Medicine, Institute of Translational Medicine, University of Liverpool, Liverpool/United Kingdom

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T. Totiger1, S. Srinivasan1, V. Jalal2, J. Castellanos3, P. Lamichhane1, X. Dai1, M. Vansaun1, N. Merchant1, N. Nagathihalli1; 1Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America, 2Microbiology and Immunology, University of Louisville/United States of America, 3Surgery, Vanderbilt University/United States of America

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L. Elferink1, I. Gaziova1, A. Joshi2, K. Pereira De Castro2, C. Elferink2; 1Neuroscience and Cell Biology, University of Texas Medical Branch, TX/United States of America, 2Pharmacology and Toxicology, University of Texas Medical Branch, TX/United States of America

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L. Castellano1, S. Ottaviani2, A.E. Frampton1; 1Imperial College London/United Kingdom, 2Imperial College/United Kingdom

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Y. Hori1, M. Topazian1, S. Chari1, F. Gleeson1, M.J. Levy1, R. Pearson1, B.T. Petersen1, M. Farnell2, M.L. Kendrick2, L. Pinhey1, N. Takahashii3, M. Truty2, R. Smoot2, S. Vege1; 1Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN/United States of America, 2Surgery, Mayo Clinic, Rochester, MN/United States of America, 3Radiology, Mayo Clinic, Rochester, MN/United States of America

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L. Koodie1, E. Kawakami2, R. Eidenschink1, K. Jacobsen1, E. Tolosa2, M. Fernandez-Zapico2, J. Davydova1; 1Surgery, University Of Minnesota School of Medicine, MN/United States of America, 2Division Of Endocrinology, Mayo Clinic/United States of America

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Alcohol Activates Cyclic AMP Response Element Binding (CREB) in the Pathogenesis of Pancreatic Cancer
S. Srinivasan, T. Totiger, R. Dawra, P. Lamichhane, M. Vansaun, N. Merchant, N. Nagathihalli; Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America
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**Analysis of Clinical Significance of MUC4 Isoforms in Pancreatic Cancer Patients using TCGA RNA-Seq Dataset**
C.M. Thompson1, S. Kumar1, D. Ghersi2, R. Chirravuri2, I. Thapa2, L. Smith3, S.K. Batra1; 1Biochemistry and Molecular Biology, Univ of NE Med Cntr, Omaha, NE/United States of America, 2School of Interdisciplinary Informatics, College of Information Science and Technology, University of Nebraska Omaha, Omaha/United States of America, 3Department of Biostatistics, Univ of NE Med Cntr, Omaha, NE/United States of America

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**Analysis of Survival after Surgical Management of Pancreatic Neuroendocrine Neoplasms (PNENs) in a Single Center**
J. Wu1, W. Xu1, J. Wei1, K. Zhang1, X. Liu1, M. Li2, Z. Zhang2, Z. Lu1, Y. Miao1; 1Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China, 2Department of Pathology, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China

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A. Nevler1, S.W. Keith2, H. Lavu1, T. Yeo1, J.R. Brody1, J. Winter1; 1Surgery, Thomas Jefferson University, Philadelphia, PA/United States of America, 2Biostatistics, Thomas Jefferson University, Philadelphia, PA/United States of America

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

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**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

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Y. Al-Azzawi1, M. Fasullo2, J. Kheder2, W. Wassef2; 1Gastroenterology, Umass medical center/United States of America, 2Umass medical center/United States of America

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C. Iwamoto1, K. Ohuchida2, T. Okumura2, K. Koikawa2, S. Takesue2, H. Nakayama2, S. Endo2, S. Kibe2, Y. Ando2, T. Abe2, K. Miyawaki3, M. Murata4, K. Akashi3, M. Nakamura2, M. Hashizume1; 1Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka/Japan, 2Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, 3Department of Medicine and Biosystemic Science, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, 4Center for Advanced Medical Innovation, Kyushu University, Fukuoka/Japan

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**CD110 is Associated with Pancreatic Cancer Patient Survival and Promotes Cancer Progression, Especially Liver Metastasis.**
Z. Yan1, K. Ohuchida2, B. Zheng2, T. Okumura2, K. Koikawa2, S. Takesue1, N. Nakayama1, K. Shirahane3, Y. Shimizu4, T. Moriyama2, T. Ohtsuka1, K. Mizumoto2, Y. Oda5, M. Nakamura2; 1Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, 2Department of Surgery and Oncology, Kyushu University, Fukuoka/Japan, 3Saga-ken Medical Centre Koseikan/Japan, 4Kyushu University Hospital Cancer Center/Japan, 5Department of Anatomic Pathology, Pathology Sciences, Kyushu University, Fukuoka/Japan

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**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. Lin1, C. Zhang1, X. Zhang1, N. Shi1, J. Guo1, W. Huang1, J. Windsor2, R. Sutton3, P. Xue1, Q. Xia1; 1West China Hospital, Sichuan University, Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre/China, 2Department of Surgery, University of Auckland/New Zealand, 3Royal
P1-39 Characteristics and Results of Resected Pancreatic Ductal Carcinoma 2cm or Smaller in Tumor Size  
K. Misawa, Y. Ohshima, K. Saito, M. Tani, T. Uesaka, Y. Terasaki, T. Katayama, T. Okuda, T. Ohshima; Surgery, Sapporo City General Hospital, Sapporo/Japan

P1-40 Chronic Pancreatitis Localized in Ventral Pancreas Associated with Pancreas Divisum  
M. Masataka, K. Kmaei, Y. Yashida, K. Kawaguchi, T. Murase, S. Satoi, I. Matsumoto, T. Nakai, Y. Takeyama; Department of surgery, Kindai University?Faculty of medicine, Osakasayama/Japan

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Y. Hori1, M. Topazian1, S. Chari1, F. Gleeson1, M.J. Levy1, R. Pearson1, B.T. Petersen1, M. Farnell2, M.L. Kendrick2, L. Psney1, N. Takahashi3, M. Truty2, R. Smoot2, S. Vege1; Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN/United States of America, 2Surgery, Mayo Clinic, Rochester, MN/United States of America, 3Radiology, Mayo Clinic, Rochester, MN/United States of America

P1-42 Cocaine Induced Acute Pancreatitis: A Systematic Review  
J.A. Barkin1, C.R. Simons-Linares2, Z. Nemeth1, J.S. Barkin1; University of Miami, Leonard M. Miller School of Medicine, Miami, FL/United States of America, 2Cook County Hospital, Chicago, IL/United States of America

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. Nagpal1, R. Basu2, W. Bamlet3, S. Chari1; Gastroenterology and Hepatology, Mayo Clinic/United States of America, 2Endocrinology, Mayo Clinic/United States of America, 3Mayo Clinic/United States of America

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S. Kostenko, C. Heu, C. De Oliveira, B. Khatua, V. Singh; Mayo Clinic, AZ/United States of America

P1-45 Dclk1 a Novel Therapeutic Target for the Reprogramming of PDAC TME  
P. Chandrakesan1, N. Ali1, R. May1, N. Weygant1, D. Qu1, J. Yao2, S. Sureban1, M. Bronze1, C. Houchen1; Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK/United States of America, 2Oncology, Beijing Chaoyang Hospital, Capital Medical University/China

P1-46 Derivation and Validation of a Prediction Model for the Early Diagnosis of Acute Pancreatitis in the Emergency Department  
D.X. Jin1, R. Lacson2, L.R. Cochon2, E.C. Alper2, J. McNabb-Baltar1, P.A. Banks1, R. Khorasani2; Center for Pancreatic Disease, Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital, Boston, MA/United States of America, 2Center for Evidence-Based Imaging, Department of Radiology, Brigham and Women's Hospital, Boston, MA/United States of America

P1-47 Detecting pancreatic cancer earlier: identifying type 3c diabetes in individuals newly diagnosed with type 2 diabetes  
L. Oldfield1, R. Rao1, T. Purewal2, J. Neoptolemos1, C. Halloran1, W. Greenhalf1, E. Costello1; Molecular and Clinical Cancer Medicine, The University of Liverpool, Liverpool/United Kingdom, 2Diabetes and Endocrinology, Royal Liverpool University Hospital, Liverpool/United Kingdom
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R.T. Waldron1, R. Wang2, C.-Y. Chu2, A. Nayeboasadri1, A. Hendifar2, A. Lugea1, L.W.K. Chung2, S.J. Pandol1; 1Department of Medicine, Cedars-Sinai Medical Center and University of California, CA/United States of America, 2Department of Medicine, Cedars-Sinai Medical Center, CA/United States of America

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E47 governs a p27/RB/c-MYC Regulatory Network Independent of p16 and Wild-Type p53 in Pancreatic Ductal Adenocarcinoma Cells
K.M. Scully1, R. Sasiik2, R. Lahmy1, L. Signaevskiaia1, A. Lowys3, P. Itkin-Ansari1; 1Development, Aging and Regeneration, Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA/United States of America, 2Center for Computational Biology and Bioinformatics, UCSD School of Medicine, La Jolla, CA/United States of America, 3Surgical Oncology, UCSD Moores Cancer Center, La Jolla, CA/United States of America

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M. Sandini1, K.J. Ruscie2, C.R. Ferrone1, K.D. Lillemoe1, M. Qadan1, M. Eikermann2, A.L. Warshaw1, C. Fernandez-Del Castillo1; 1Surgery, Massachusetts General Hospital, Boston, MA/United States of America, 2Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital, Boston, MA/United States of America

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Effects of Berberine on Acute Necrotizing Pancreatitis
S.-J. Park1, G.-S. Bae2, S.B. Choi2, D.-G. Kim2, J.-Y. Shin2, M.-J. Kim2, D.-U. Kim2; 1Herbology, Wonkwang University, Iksan/Korea, Republic of, 2 Wonkwang University/Korea, Republic of

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M. Sato-Dahlman1, Y. Miura1, J.L. Huang1, P. Hajeri1, H. Yoshida1, K. Jacobsen2, J. Davydoval, M. Yamamoto1; 1Surgery, University of Minnesota, Minneapolis, MN/United States of America, 2Surgery, University Of Minnesota School of Medicine, MN/United States of America

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Elevated intracellular trypsin activity increased the severity of acute pancreatitis and promoted the development of chronic pancreatitis in transgenic mice
X. Zhan1, G. Zhang1, Y. Zhang1, L. Zhuang1, R. Dhwra2, Y. Li1, Y. Yao1, F. Gui1, J. Chen1, A. Haddock1, L. Zhang3, A. Saluja4, C. Logsdon5, Y. Bi1, B. Ji1; 1Mayo Clinic-FL/United States of America, 2Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America, 3Mayo Clinic/United States of America, 4Surgery, University of Miami/United States of America, 5MD Anderson Cancer Center/United States of America

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Establishment of Novel Gemcitabine-Resistant Mouse Pancreatic Cancer Cell Line
Y. Kadoi1, K. Shimizu1, A. Nishimura1, Y. Takegaki1, M. Miyoshi1, T. Akagi2, K. Sasa2, Y. Hori1; 1Department of Pathobiology, Kobe University Graduate School of Health Sciences, Kobe-shi/Japan, 2Kan Research Institute/Japan
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

Factors Affecting Opioid Use in Hospitalized Patients with Acute Pancreatitis
N. Parsa1, M. Faghih1, F. Garcia Gonzalez1, A. Kamal1, N. Yahyapourjalaly1, R. Moran1, H. Al Grain2, M. Makary3, S. Khashab1, A. Kalloo1, V. Singh1; 1Gastroenterology/Internal Medicine, Johns Hopkins Hospitals, Baltimore/United States of America, 2Anesthesiology, Johns Hopkins Hospitals, Baltimore/United States of America, 3Surgery, Johns Hopkins Hospitals, Baltimore/United States of America

Gel Forming Mucin MUC5AC Employs Multimodal Mechanism(s) to Augment Gemcitabine Resistance in Pancreatic Cancer
K. Ganguly1, S.R. Krishn1, R. Jahan1, C. Hayashi1, Y. Lu2, X. Huang2, Y. Lu2, S. Rachagani1, S.K. Batra1, S. Kaur1; 1Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE/United States of America, 2Department of Electrical and Computer Engineering, University of Nebraska Lincoln/United States of America

Gemcitabine Enhances Kras-MEK-induced Matrix Metalloproteinase-10 Expression in Gemcitabine-resistant Pancreatic Tumor-initiating Cells
A. Nishimura1, K. Shimizu1, 2, Y. Kado1, Y. Takegaki1, M. Miyoshi1, Y. Horii1; 1Biophysics, Kobe University Graduate School of Health Sciences, Kobe/Japan, 2Internal Medicine, Kobe Medical Center, Kobe/Japan

HSP70 in Immune-Environment Promotes Growth of Pancreatic Cancer.

Impact of a Histone methylase G9a on Pancreatic Carcinogenesis
K. Tateishi1, K. Yamamoto1, H. Fujiwara1, H. Katoh1, R. Takahashi1, K. Miyabayashi1, H. Ijichi1, S. Mizuno1, H. Kogure1, Y. Nakai1, M. Tada1, Y. Shinkai2, K. Koike1; 1Dept. of Gastroenterology, Graduate School of Medicine, The University of Tokyo/Japan, 2Cellular Memory Laboratory, RIKEN Advanced Science Institute/Japan

Improved Outcomes for Severe Acute Pancreatitis in High Volume Hospitals
R. Sharma1, H. In2, P. Friedmann2, J.C. McAlulffe3, P. Muscarella Iii2; 1Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, NY/United States of America, 2Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx/United States of America, 3Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY/United States of America

Increased Incidence of Pancreatic Ductal Adenocarcinoma in Chronic Pancreatitis Patients with Pancreatic Intraepithelial Neoplasia 2
M. Faghih1, M. Noe2, R. Moran2, T. Boortalary2, N. Yahyapourjalaly2, O. Brewer Gutierrez2, J.R. Azadi2, M. Fetrat2, N. Parsa2, A. Zaheer2, D.K. Andersen1, M. Makary3, A.M. O’Broin-Lennon2, V.K. Singh3; 1Johns Hopkins/United States of America, 2Gastroenterology, Johns Hopkins Hospital, Baltimore/United States of America, 3Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Hospital, Baltimore, MD/United States of America
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M. Faghih1, J.R. Azadi1, N. Parsa2, F. Garcia Gonzalez3, A. Zaheer3, V.K. Singh3; 1Johns Hopkins/United States of America, 2Gastroenterology/Internal Medicine, Johns Hopkins Hospitals, Baltimore/United States of America, 3Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Hospital, Baltimore, MD/United States of America

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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

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Increasing Hyperglycemia and Diabetes with Increasing Tumor Size in Pancreatic Cancer Provides Insights into Timeline of Growth of Pancreatic Cancer
A. Sharma, S. Chari; Gastroenterology, Mayo Clinic, Rochester, MN/United States of America

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Inhibiting Angiogenesis to Improve Anti-Stromal Therapy for Pancreatic Cancer
S. Grimaldo, M. Khatabeghdami; GI, University of Illinois, IL/United States of America

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M.D. Bellin1, D.L. Conwell2, T. Bennike3, S. Ahmed3, Z. Cruz-Monserrate4, H. Steen3; 1Pediatrics, University of Minnesota, Minneapolis, MN/United States of America, 2The Ohio State University Wexner Medical Center, OH/United States of America, 3Pathology, Boston Children's Hospital/ Harvard Medical School, Boston, MA/United States of America, 4Internal Medicine / Division of Gastroenterology, Hepatology and Nutrition / The James Comprehensive Cancer Center, The Ohio State University Wexner Medical Center, OH/United States of America

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M.E. Skube1, P. Mills2, J. Hodges3, G.J. Beilman4, M.D. Bellin5; 1Department of Surgery, University of Minnesota, MN/United States of America, 2Obstetrics, Gynecology, and Women's Health, University of Minnesota/United States of America, 3Biostatistics, University of Minnesota/United States of America, 4Surgery, University of Minnesota, MN/United States of America, 5Pediatrics, University of Minnesota/United States of America

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

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S. Lu, L. Zhang, H. Lu, W. Hu; Pancreatic surgery, West China Hospital, Chengdu/China

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R. Pothuraju1, V. Kumar2, R.I. Mahato2, M. Kalaga1, W. Junker3, S.K. Batra1, S. Rachagani1; 1Biochemistry and Molecular Biology, University of Nebraska Medical Center/United States of America, 2Department of Pharmaceutical Sciences, University of Nebraska Medical Center/United States of America, 3Sanguine Diagnostics and Therapeutics/United States of America
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K. Kato1, T. Ikeura1, K. Uchida1, H. Yamada2, K. Okazaki1; 1The third department of internal medicine, Kansai Medical University/Japan, 2Department of anatomy and cell science, Kansai Medical University/Japan

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R. Tuli1, A. Torossian1, N. Nissen2, A. Hendifar3, J. David1; 1Radiation oncology, Cedars Sinai Medical Center/United States of America, 2Cedars Sinai Medical Center/United States of America, 3Department of Medicine, Cedars-Sinai Medical Center, CA/United States of America

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A. Khurana1, M.A. Safi1, C. Godugu2; 1Pharmacology and Toxicology, National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad/India, 2Regulatory Toxicology, National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad/India

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Z.M. Sellers1, D. Macisaac2, H. Yu1, K.-Y. Zhang3, R. Bensen1, J.J. Wong4, A. Gupta1, C. Kin2, K.T. Park1; 1Pediatric Gastroenterology, Hepatology, and Nutrition, Stanford University, Palo Alto, CA/United States of America, 2Surgery, Stanford University/United States of America, 3Pediatrics, Stanford University/United States of America, 4Veterans Affairs Palo Alto Healthcare System/United States of America

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A. Nurmi1, H. Mustonen1, H. Parviainen2, K. Peltola3, C. Haglund1, 4, H. Seppänen1; 1Department of Surgery, Helsinki University Hospital/Finland, 2HUS Medical Imaging Centre, Helsinki University Hospital/Finland, 3Comprehensive Cancer Centre, Helsinki University Hospital, Helsinki/Finland, 4Translational Cancer Biology, University of Helsinki, Research Programs Unit/Finland

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O.A. Mareninova1, S.R. Gretler1, J.M. Elperin1, M. Pimenta1, S.J. Pandol2, A.S. Gukovskaya1, I. Gukovsky1; 1Medicine, UCLA/ VAGLAHS, CA/United States of America, 2Cedars Sinai Medical Center/United States of America
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M. Kikuyama1, T. Kamisawa1, S. Kawaguchi2, Y. Yokoi3, S. Terada2, T. Satoh2, S. Kuruma1, K. Chiba1; 1Gastroentelogy, Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hospital, Bunkyoku, Tokyo/Japan, 2Gastroenterology, Shizuoka General Hospital, Shizuoka/Japan, 3Surgery, Shinshiro Municipal Hospital, Shinshiro/Japan

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E. Siskind1, C. Liu1, R. Wahl1, J. Piper1, J. Jonsson1, J. Ortiz2; 1Transplant Surgery, Inova Fairfax Medical Center/United States of America, 2Transplantation, University of Toledo, Toledo, OH/United States of America

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N. Mattila1, C. Håglund2, R. Lassila3, H. Seppänen1; 1Department of Gastroenterological Surgery, University of Helsinki and Helsinki University Hospital/Finland, 2Department of Gastroenterological Surgery, Helsinki University Hospital/Finland, 3Coagulation Disorders Unit, Department of Hematology, Comprehensive Cancer Center, University of Helsinki and Helsinki University Hospital/Finland

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L.-L. Zhai, T.-F. Ju; Department of General Surgery, Hangzhou First People's Hospital, Nanjing Medical University, Hangzhou/China
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F. Lamichhane, N. Nagathihalli, F. Messaggio, X. Dai, J. Barretta, M. Vansaun, N. Merchant; Surgery, University of Miami/United States of America

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Y. Fukumura1, C. He1, O. Mamati1, H. Mitom1, M. Takase1, N. Fujiwara2, S. Kawasaki2, H. Isayama3, K. Suda1, T. Yao1; 1Human Pathology, Juntendo University, Tokyo/Japan, 2Hepatobiliary & Pancreatic Surgery, Juntendo University, Tokyo/Japan, 3Gastroenterology, Juntendo University, Tokyo/Japan

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

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K.C. Honselmann1, A. Nakagawa1, D. Ting2, M. Ligorio2, E. Tai2, M. Mino-Kenudson3, K.D. Lillemoe1, A.L. Warshaw1, C. Fernandez-Del Castillo1, A.S. Liss1; 1Department of Surgery and the Pancreatic Research Laboratory, Massachusetts General Hospital, Boston, MA/United States of America, 2Massachusetts General Hospital Cancer Center, Charlestown, MA/United States of America, 3Department of Pathology, Massachusetts General Hospital, Boston, MA/United States of America

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J.A. Barkin1, E. Donath2, J. Goyal1, Z. Nemeth1, E.O. Souto1, P. Martin1, J.S. Barkin1; 1University of Miami, Leonard M. Miller School of Medicine, Miami, FL/United States of America, 2University of Miami, Leonard M. Miller School of Medicine, Atlantis, FL/United States of America
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A.H. Daneshmanesh1, M. Hojjat-Farsang1, A. Moshtegh1, J. Schultz2, J. Vågberg2, S. Byström2, E. Olsson2, T. Olin2, A. Österborg3, H. Mellstedt1; 1Department of Oncology-Pathology, Cancer Center Karolinska, Karolinska University Hospital Solna and Karolinska Institutet, Stockholm/Sweden, 2Kancera AB, Karolinska Institute Science Park, Stockholm/Sweden, 3Department of Hematology, Karolinska University Hospital Solna and Karolinska Institutet, Stockholm/Sweden

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M. Awais1, X. Zhang1, D. Latawiec1, D. Criddle1, J. Sanvoisin2, C. Austin2, M. Peel3, R. Sutton4; 1Institute of Translational Medicine, Liverpool University/United Kingdom, 2Selcia Ltd/United Kingdom, 3Cypralis Ltd/United Kingdom, 4Institute of Translational Medicine, Liverpool University and Royal Liverpool University Hospital/United Kingdom

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H. Sato1, J. Sasajima1, 2, Y. Ono2, T. Goto1, K. Koizumi3, T. Okada1, 2, S. Fujibayashi1, A. Hayashi1, H. Kawabata1, S. Takezaki1, Y. Mizukami1, 2, T. Okumura1; 1Department of Medicine, Division of Gastroenterology and Hematology/Oncology, Asahikawa Medical University, Asahikawa/Japan, 2Institute of Biomedical Research, Sapporo Higashi Tokushukai Hospital/Japan, 3Gastroenterology Medicine Center, Shonan Kamakura General Hospital/Japan

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B. Hasdemir1, G. Szot2, A. Bhargava3; 1Osher Center, UCSF, San Francisco/United States of America, 2Transplant Surgery, UCSF, San Francisco/United States of America, 3Obgyn & Osher Center, UCSF, San Francisco/United States of America

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D. Adams1, C. Chung1, K. Morgan2, S. Owczarski3, J. Borckhardt1, H. Wang1; 1Medical University of SC, Medical University of SC, Charleston/United States of America, 2Medical University of SC, Medical University of SC, Charleston/United States of America, 3Surgery, Medical University of South Carolina/United States of America

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

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X. Wang, C.-L. Tan, X. Liu; Department of Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu/China

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

M. Shinoto, H. Suefuji, K. Terashima, S. Toyama, Y. Shiroyama; SAGA HIMAT Foundation, Ion Beam Therapy Center, Tosu/Japan
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S.R. Malla1, N. Shalbueva2, Y. Qin3, R.T. Waldron1, J. Yuan1, S. Gretler1, O.A. Mareninova5, S.J. Pandol6, A. Gukovskyaya7; 1Gastroenterology, Cedar-Sanai Medical Center, Davis Building, Rm 3006, Los Angeles, CA/United States of America, 2Dept of Medicine, University of California, CA/United States of America, 3Division of Gastroenterology and hepatology, Youqiang Medical University for Nationalities, Baise/China, 4Dept of Medicine, University of California, Los Angeles, CA/United States of America, 5Medicine, UCLA/ VAGLAHS, CA/United States of America, 6Cedars Sinai Medical Center/United States of America, 7Medicine, UCLA/ VAGLAHS, Los Angeles, CA/United States of America

Slit-Robo Signaling Mediates a TGF-beta Dependent Cross-Talk between Pancreatic Epithelium and Stroma
I. Rooman1, A. Pinho2, M. Van Bulek1, T. Sklyarova1, A. Mawson2, C. Vennin2, P. Timpson2, P. Phillips3, A. Biankin4, J. Wu2; 1Vrije Universiteit Brussel/Belgium, 2The Garvan Institute of Medical Research/Australia, 3University of Glasgow/United Kingdom

Sphingomyelin Phosphodiesterase 3 (Smpd3) Regulates Growth and Chemoresistance of Pancreatic Tumors
A.M. Hendley1, A. Urano1, A.Y. Zhong1, N.R. Kerper1, K.E. Villaneuva1, H.A. Russ1, P. Bailey2, D.K. Chang2, 3, A.V. Biankin4, J. Wu2; 1Diabetes Center, University of California San Francisco, San Francisco/United States of America, 2Wolfson Wohl Cancer Research Centre, Institute of Cancer Sciences, University of Glasgow, Garscube Estate/United Kingdom, 3West of Scotland Pancreatic Unit, Glasgow Royal Infirmary/United Kingdom, 4South Western Sydney Clinical School, Faculty of Medicine, University of New South Wales/Australia, 5University of California Los Angeles/United States of America

Stroma-Derived, Extracellular Vesicles Deliver Tumor-Suppressive miRNAs to Pancreatic Cancer
S. Han1, M. Feely1, D.H. Gonzalo1, M.H. Gerber1, B.B. Divita,1, C. Forsmark2, S.J. Hughes1; 1Surgery, University of Florida, Gainesville/United States of America, 2Gastroenterology, University of Florida, Gainesville, FL/United States of America

Stromal Fibroblasts in PDAC Promote an Immunosuppressive Microenvironment Through Elevated SDF-1/CXCL12
B. Garg1, B. Giri1, V. Sethi1, S. Ramakrishnan1, E. Gilboa2, A. Saluja1, V. Dudeja1; 1Surgery, University of Miami, Miami/United States of America, 2Microbiology and Immunology, University of Miami, Miami/United States of America

Super-enhancers: Novel Therapeutic Targets in Pancreatic Cancer (PDAC)
C. Ghosh1, S. Paul1, S. Gunewardena1, C. West2, A. Dhar1; 1Cancer Biology, University of Kansas Medical Center, Kansas City, KS/United States of America, 2Genzada/United States of America

Systemic Inflammatory Response Syndrome at Presentation is Associated with Severe Acute Pancreatitis
D.X. Jin1, V.K. Singh1, S.L. Suleiman1, P.A. Banks1, J. McNabb-Baltar1; 1Center for Pancreatic Disease, Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital, Boston, MA/United States of America, 2Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Hospital, Baltimore, MD/United States of America

Targeting elf4A dependent translation as therapeutics in pancreatic cancer
K. Singh; Cancer Biology and Genetics, Memorial Sloan Kettering Cancer Center, New York, NY/United States of America
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E. Durden1, I.H. Winer1, J. Vora2, K. Cappell1, K. Khandelwal2; 1Truven Health Analytics, an IBM Company, 2HEOR, Abbvie, Mettawa

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J.L. Huang1, C. Larocca1, K. Jacobsen2, J. Davydova3, M. Yamamoto4; 1University of Minnesota/ , 2Surgery, University Of Minnesota School of Medicine, MN/ , 3Surgery, University of Minnesota, Minneapolis, MN, 4University of Minnesota, Minneapolis, MN

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T. Ito, T. Sugita, Y. Okamura, Y. Yamamoto, R. Ashida, K. Uesaka; Division of Hepato-Biliary-Pancreatic surgery, Shizuoka Cancer Center, Sunto-Nagaizumi, Shizuoka/Japan

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T. Fuji1, M. Kishiwa1, A. Hayasaki2, T. Takeuchi1, Y. Iizawa3, T. Ito3, H. Kato3, A. Tanemura3, Y. Murata3, N. Kuriyama3, Y. Azumi3, S. Mizuno3, M. Usui3, H. Sakurai3, S. Isaji3; 1Department of Hepatobiliary Pancreatic and Transplant surgery, Mie University, Tsu City/Japan, 2Hepatobiliary Pancreatic & Transplant Surgery, Mie University Graduate School of Medicine, Tsu/Japan, 3Hepatobiliary pancreatic and transplantation surgery, Mie university, Tsh, Mia/Japan

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R. Shimazaki1, S. Takano1, H. Yoshitomi1, K. Furukawa1, T. Takayashiki1, S. Kuboki1, D. Suzuki1, N. Saka i1, S. Kagawa2, H. Nojima1, M. Ohtsuka1; 1Department of General Surgery, Chiba University, Chiba City/Japan, 2Department of General Surgery, Chiba University, Chiba/Japan

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J.P. Gurria1, P. Badia2, L. Hornung3, M. Abu-El-Haija4, D.A. Elder3, T.K. Lin3, L. Luchtman-Jones5, J.S. Palumbo6, J.D. Nathan7; 1General and Thoracic Surgery, Pancreas Care Center, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/ , 2Cancer and Blood Diseases Institute, Cincinnati Children's Hospital Medical Center, OH/ , 3Pancreas Care Center, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/ , 4Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/ , 5Cancer and Blood Diseases Institute, Hemangioma and Vascular Malformation Program, Cincinnati Children's Hospital Medical Center, OH/United States of America, 6Pancreas Care Center, Comprehensive Thrombophilia Center, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America, 7Pancreas Care Center, Liver, Kidney and Intestinal Transplant Programs, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America

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J.L. Saloman, K.M. Albers, B.M. Davis; Neurobiology, University of Pittsburgh, PA/United States of America

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H.B. Liu, G.X. Zhang; Tianjin Institute of Medical & Pharmaceutical Sciences/China
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J. David1, A. Torossian1, A. Hendifar2, N. Nissen3, R. Tuli1; 1Radiation oncology, Cedars Sinai Medical Center/United States of America, 2Department of Medicine, Cedars-Sinai Medical Center, CA/United States of America, 3Cedars Sinai Medical Center/United States of America

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

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W. Wassef1, M. Mahmoud1, E. Vivan1, V. Singh1, P. Tarnasky2, N. Parsa3, S. Han4, S. Wani5, C.M. Wilcox6, S. Herndon6, S. Pandol7; 1Gastroenterology/Internal Medicine, UMassMemorial Medical Center, Worcester, MA/United States of America, 2Gastroenterology/Internal Medicine, Methodist Dallas Medical Center, Dallas, TX/United States of America, 3Gastroenterology/Internal Medicine, Johns Hopkins Hospitals, Baltimore, MD/United States of America, 4Gastroenterology/Internal Medicine, Johns Hopkins Hospitals, Baltimore/United States of America, 5Gastroenterology/Internal Medicine, University of Colorado Anschutz Medical Center, Aurora, CO/United States of America, 6Gastroenterology/Internal Medicine, University of Alabama, Birmingham, AL/United States of America, 7Gastroenterology/Internal Medicine, Cedar-Sinai Medical Center, Los Angeles, CA/United States of America

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P. Siddappa1, S. Chari1, M. Topazian1, M.J. Levy1, F. Gleeson1, R. Pearson1, B.T. Petersen1, M. Farnell2, M.L. Kendrick2, G. Thompson2, D. Farley2, S. Vege1; 1Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN/United States of America, 2Surgery, Mayo Clinic, Rochester, MN/United States of America

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

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Q. Wang, M. Edderkouu1, G. Lam, C. Chheda, S.J. Pandol; Department of Medicine, Cedars-Sinai Medical Center, CA/United States of America

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J. Yang1, Y. Zhang2, X. Cui1, M. Li2; 1Department of Medicine, The University of Oklahoma Health Sciences Center/United States of America, 2Department of Medicine, The University of Oklahoma Health Sciences Center, Oklahoma City, OK/United States of America
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B. Giri1, V. Sethi2, B. Garg2, L. Hellmund2, S. Lavania2, S. Ramakrishnan2, A. Saluja2, V. Dudeja2; 1Surgery, University of Miami, Miami/United States of America, 2Surgery, University of Miami/United States of America

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Y. Zhang1, G. Zhang1, X. Zhao1, L. Zhuang1, Y. Li1, Y. Yao1, J. Guo1, A. Haddock1, E. Radisky1, L. Zhang1, S. Panol2, C. Logsdon3, Y. Bi1, B. Ji1; 1Mayo Clinic-FL/United States of America, 2Gastroenterology/Internal Medicine, Cedar-Sinai Medical Center, Los Angeles, CA/United States of America, 3MD Anderson Cancer Center/United States of America

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Jonas J. Staudacher1, Cemal Yazici1, Timothy Carroll1, Jessica Bauer1, Jingbo Pang2, Nancy Krett1, Yinglin Xia1, Annette Wilson3, Georgios Papachristou3,4, David C. Whitcomb3, Paul Grippo1, Giamila Fantuzzi2 and Barbara Jung1

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D. Yadav1, J.N. Abberbock2, J. Larusch3, V. Singh4, S. Sherman5, G. Cote6, S. Amann7, R.E. Brand8, N. Guda9, C. Foran10, C.M. Wilcox11, D.L. Conwell12, A. Slivka12, D.C. Whitcomb13; 1UPMC/United States of America, 2University of Pittsburgh/United States of America, 3Precision Medicine/United States of America, 4Johns Hopkins Medical Institutions/United States of America, 5Indiana University/United States of America, 6Medical University of South Carolina/United States of America, 7North Mississippi Medical Center/United States of America, 8University of Pittsburgh Medical Center/United States of America, 9University of Wisconsin/United States of America, 10Gastroenterology, University of Florida, Gainesville, FL/United States of America, 11Gastroenterology/Internal Medicine, University of Alabama, Birmingham, AL/United States of America, 12The Ohio State University Wexner Medical Center, OH/United States of America, 13University of Pittsburgh Medical Center, Pittsburgh/United States of America

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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

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Cathepsin C Affects Severity of Acute Pancreatitis by Regulating Activation of Neutrophil Enzymes
A. Aghdassi1, D. John1, J. Aschenbach1, M. Sendler1, F.U. Weiss1, J. Mayerle2, M.M. Lerch1; 1Department of Medicine A, University Medicine Greifswald/Germany, 2Department of Medicine II, University Hospital München-Grosshadern of the LMU, München/Germany

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

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Indications and Clinical Outcomes for Pancreatectomy and Islet Autotransplantation (IAT) in a High Volume Pancreas Center
P.K. Siddappa1, Y.C. Kudva2, S. Chari1, M. Topazian1, M.J. Levy1, F. Gleeson1, P.K. Randall1, B.T. Petersen1, M. Farnell3, M.L. Kendrick3, S. Vege1; 1Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN/United States of America, 2Endocrinology, Mayo Clinic, Rochester, MN/United States of America, 3Surgery, Mayo Clinic, Rochester, MN/United States of America
Metformin Ameliorates Pancreatic Lesion Formation in Obese EL-Kras and KC Mice
K. Castellanos1, A. Rodriguez2, G. Fantuzzi1, P. Grippo3; 1Kinesiology & Nutrition, University of Illinois-Chicago, IL/United States of America, 2Dentistry, University of Illinois-Chicago, IL/United States of America, 3Medicine, University of Illinois-Chicago, IL/United States of America

Moderate ER Stress Caused by Impairment of the ER acetylCoA Transporter AT-1 Leads to Progressive Pancreatic Damage Characteristic of Chronic Pancreatitis
M. Cooley1, D. Thomas1, K. Deans1, Y. Peng1, L. Puglielli1, G. Groblewski2, 1University of Wisconsin/United States of America, 2University of Wisconsin, Madison, WI/United States of America

Molecular Diagnostics for Early Detection and Triage of Pancreatic Cancer in High-Risk Populations
R. Khosravi-Far1, H. Huseyn Otu2, X. Gu3, M. Bhasin4, T. Libermann5, 1BiomaRx, One Broadway, Cambridge, MA, 2University of Nebraska-Lincoln Department of Electrical and Computer Engineering, Nebraska, 3Department of Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

Nrf2 in Pancreatic Cancer Chemotherapy Response and the Use of Brusatol as a Chemotherapeutic Agent
D. Williams1, T. Gana1, L. Sivapalan1, O. Butler1, R. Jackson1, P. Perez-Mancera1, L. Barrera-Briceno1, I. Copp1, T. Cox1, C. Goldring1, C. Halloran1, P. Ghanesh1, D. Palmer1, O. Strobel2, W. Greenhal1, J. Neoptolemos1, E. Costello1; 1Molecular and Clinical Cancer Medicine, University of Liverpool, Liverpool/United Kingdom, 2Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg/Germany

Pancreatic Organoids Elucidate the New Mechanisms of Pancreatic Cancer Local Invasion
K. Koikawa1, K. Ohuchida1, Y. Ando1, S. Kibe1, H. Nakayama1, S. Takesue1, Z. Yan1, T. Abe1, T. Okumura1, C. Iwamoto2, T. Moriyama1, K. Nakata1, Y. Miyasaka1, Y. Okabe1, T. Ohtsuka1, K. Mizumoto1, M. Nakamura1; 1Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, 2Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka/Japan

Pirfenidone Treatment Attenuates Local and Systemic Inflammation in Acute Pancreatitis and Reduces Fibrosis in Chronic Pancreatitis.
J. George1, H. Cheema2, B. Girish3, R. Dawra4, A. Saluja4, V. Dudeja3; 1Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America, 2University of Miami/United States of America, 3Surgery, University of Miami, Miami/United States of America, 4Surgery, University of Miami/United States of America

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

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D. Mosztbacher1, 2, A. Párniczky3, A. Toth4, A. Demcsak4, V. Ilia5, M. Abu-El-Haija6, F. Szabo7, I. Tokodis, B. Feher9, K. Bakó9, O. Kadenczi9, I. Guthy10, I. Cacu11, G. Veres1, K. Kaan1, M.F. Juhasz1, E. Horvathi1, N. Lasztyi1, T. Decsi12, B. Mosdos12, A. Nagy12, A. Szentes13, M. Sahin-Toth2, P. Hegyi13; 1Pediatrics, Semmelweis University/Hungary, 2Department of Molecular & Cell Biology, Boston University, Boston, MA/United States of America, 3Heim Pál Children's Hospital/Hungary, 4Department of Pediatrics and Pediatric Health Center, University of Szeged/Hungary, 5Department of Pediatrics, Dr. Keresztes Albert Hospital/Hungary, 6Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center,
Cincinnati, OH/United States of America, 7Children's Hospital of Richmond, Virginia Commonwealth University/United States of America, 8Department of Pediatrics, Szent György Teaching Hospital of County Fejér/Hungary, 9Department of Pediatrics, University of Debrecen/Hungary, 10Department of Pediatrics, Jósa András Teaching Hospital of County Szabolcs-Szatmár-Bereg/Hungary, 11University of Medicine and Pharmacy Craiova/Romania, 12Department of Pediatrics, University of Pécs/Hungary, 13Institute for Translational Medicine & 1st Department of Medicine, University of Pécs/Hungary

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Voluntary Running Delays Development of Obesity-Induced Pancreatic Ductal Adenocarcinoma in Mice
N. Badi1, S. Knoblaugh2, Z. Cruz-Monserrate1; 1Internal Medicine / Division of Gastroenterology, Hepatology and Nutrition / The James Comprehensive Cancer Center, The Ohio State University Wexner Medical Center, OH/United States of America, 2Veterinary Biosciences / The James Comprehensive Cancer Center, The Ohio State University Wexner Medical Center, OH/United States of America

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K. Yoshida1, A. Kitagawa2, Y. Nakashima1, H. Aoki2, K. Hino2; 1Interventional Bilio-Pancreatology, Kawasaki medical school, Kurashiki/Japan, 2Hepatology and Pancreatology, Kawasaki medical school, Kurashiki/Japan

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M. Faghih1, M. Noe2, R. Moran2, N. Yahyapourjalaly2, O. Brewer Gutierrez2, T. Boortalary2, J.R. Azadi2, M. Fetratz2, A. Zaheer3, D.K. Andersen1, M. Makary2, A.M. O’Brien-Lennon2, V.K. Singh2; 1Johns Hopkins/United States of America, 2Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Hospital, Baltimore, MD/United States of America, 3Gastroenterology, Johns Hopkins Hospital, Baltimore/United States of America

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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

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H. Nakayama1, K. Ohuchida2, S. Takesue1, S. Kibe1, Y. Ando3, T. Abe1, S. Endo2, K. Koikawa1, T. Okumura2, T. Moriyama2, K. Nakata2, Y. Miyasaka2, K. Shirahane2, Y. Tominaga3, T. Ohtsuka2, K. Mizumoto2, M. Nakamura2; 1Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, 2Department of Surgery and Oncology, Kyushu University, Fukuoka/Japan, 3Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University/Japan

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A Phase 1/2 Trial to Evaluate the Pharmacokinetics, Safety, and Efficacy of NI-03 in Patients With Chronic Pancreatitis
P.A. Hart1, J. Nuttall2; 1Division of Gastroenterology, Hepatology, and Nutrition, The Ohio State University Wexner Medical Center, Columbus, OH/United States of America, 2KC Specialty Therapeutics LLC, Kansas City, KS/United States of America

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A Systematic Review and Meta-Analyses of Genetic Risk Factor for Acute Pancreatitis
F.F. Van Den Berg1, R. Kempeneers1, M. Boermeester1, M.G.H. Besselink1, H.C. Van Santvoort2, Y. Issa1; 1Surgery, Academic Medical Center, Amsterdam/Netherlands, 2St. Antonius/Netherlands
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A Zinc-Dependent Integrin-Paxillin-GSK-3β Signaling Axis Mediates Cell Adhesion and Tumor Growth of Pancreatic Cancer  
M. Liu1, Y. Zhang1, Y. Yang1, C. Houchen1, R. Postier2, M. Li1, 2; 1Department of Medicine, The University of Oklahoma Health Sciences Center/United States of America, 2Department of Surgery, University of Oklahoma Health Science Center/United States of America

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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

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G. Mancinelli1, J. Bauer2, R. McKinney2, N. Krett2, B. Jung2, P. Gripp2; 1Biochemistry & Molecular Genetics, University of Illinois-Chicago, IL/United States of America, 2Medicine, University of Illinois-Chicago, IL/United States of America

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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

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

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Y. Miao1, B. Cai2, L. Yin2, Z. Lu2, K. Jiang2, M. Li3, C. Dai2, J. Wu2, W. Gao2, C. Xie2, J. Wei2, J. Chen2, F. Guo2; 1Pancreas Center, The First Affiliated Hospital of Nanjing Medical University/China, 2Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China, 3Department of Pathology, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China

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E.C. Vaquero1, H. De Leon1, J. Velasquez2, C. Badenas3, E. Varela2, X. Molero2; 1Gastroenterology Department, Hospital Clinic, Barcelona/Spain, 2Exocrine Pancreatic Diseases Research Group, Hospital Universitari Vall d'Hebron d'Hebron, Barcelona/Spain, 3Biochemistry and Molecular Genetics Unit, Hospital Clinic, Barcelona/Spain

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M.L. Ramsey1, E. Talbert1, D.L. Conwell1, D. Ahn2, M.R. Farren3, A. Hinton1, M. Dillhoff1, S.G. Krishna1, G.B. Lesinski3, A. Manilchuk1, T.M. Pawlik1, P. Rajasekera1, C. Schmidt1, T. Bekaii-Saab2, D.C. Guttridge1, P.A. Hart1; 1The Ohio State University, Columbus, OH/United States of America, 2The Mayo Clinic/United States of America, 3Emory/United States of America

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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

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

Biochemical and Genetic Predictors of Overall Survival in Patients with Metastatic Pancreatic Cancer Treated with capcitabine and Nab-Paclitaxel
D. Bianconi1, G. Heller1, D. Spies2, M. Herac1, A. Gleiss1, S. Liebmann-Reindl1, M. Unseld1, M. Kieler1, W. Scheithauer1, B. Streubel1, C.C. Zielinski1, G. Prager1; 1Medical University of Vienna/Austria, 22Swiss Federal Institute of Technology Zurich/Switzerland

Bone Health Assessment in Patients with Chronic Pancreatitis
A. Kanakis, K. Vipperla, G. Papachristou, R.E. Brand, A. Slivka, D.C. Whitcomb, D. Yadav; University of Pittsburgh Medical Center, Pittsburgh/United States of America

Bone Health Parameters among Chronic Pancreatitis patients who are at high-risk or have Exocrine Pancreatic Insufficiency (EPI)
N. Khandelwal1, B. Johns1, N. Gupta2, J. Vora1, J. Castelli-Haley1; 1HEOR, Abbvie, Mettawa/United States of America, 2Health Policy, American Dental Association Health Policy Institute, IL/United States of America

Cancer Risk in Patients Meeting AGA 2015 Management Criteria for Pancreatic Cystic Lesions
M. Al-Haddad1, S. Jackson2, N. Toney3, C. Narick4, S. Finkelstein4, N.G. Haddad5; 1Department of Medicine, Indiana University/United States of America, 2Clinical Development, Intercap Diagnostics/United States of America, 3Clinical Development, Intercap Diagnostics, Pittsburgh/United States of America, 4Intercap Diagnostics/United States of America, 5Division of Gastroenterology, MedStar Georgetown University Hospital/United States of America

Chronic Consumption of Ethanol Decreases Trimethylation at Lys9 and Phosphorylation at Ser10 of Histone H3 in rat pancreas.
A. Pruitt1, C. Hernandez2, T. Patton3, M.E. Sabbatini1; 1BIOLOGICAL SCIENCES, AUGUSTA UNIVERSITY, Augusta, GA/United States of America, 2Pharmacology and Toxicology, Augusta university/United States of America, 3Psychological Sciences, Augusta university/United States of America

Cigarette Smoke Augments Pancreatic Cancer Stem Cells by Activating Pafl/PD2-mediated Stem Cell Signatures
R.K. Nimmakayala, P. Seshacharyulu, I. Lakshmanan, S. Rachagani, S. Chugh, S.K. Batra, M. Ponnusamy; BIOCHEMISTRY AND MOLECULAR BIOLOGY, University of Nebraska Medical Center, DRC1 7056, UNIVERSITY OF NEBRASKA MEDICAL CENTER, Omaha, NE/United States of America

Circulating Pancreatic stellate cells (cPSCs) and Tumour cells (CTCs) in Metastatic Pancreatic Cancer
T. Pang1, 2, Z. Xu1, 2, S. Pothula1, 2, T. Becker3, D. Goldstein1, 2, R. Pirola1, 2, J. Wilson1, 2, M. Apte1, 2; 1Pancreatic Research Group, Ingham Institute for Applied Medical Research, Liverpool/Australia, 2South West Sydney Clinical School, University of New South Wales, Liverpool, NSW/Australia, 3Centre for Circulating Tumour Cell Diagnostics and Research, Ingham Institute for Applied Medical Research, Liverpool, NSW/Australia
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Clinicopathological Characteristics of Recurrent Pancreatic Cancer: Analysis of Autopsies
Y. Matsuda1, A. Seki1, K. Nonaka1, M. Kakizaki1, T. Wan1, J. Aida2, N. Ishiwaka2, K. Takubo2, T. Ishiwhata2, T. Arai1; 1Department of Pathology, Tokyo Metropolitan Geriatric Hospital/Japan, 2Tokyo Metropolitan Institute of Gerontology/Japan

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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

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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. Kagawa1, H. Yoshitomi2, S. Takano2, K. Furukawa2, T. Takayashiki2, S. Kubokiz2, D. Suzuki2, N. Sakai2, H. Nojima2, T. Mishima2, M. Ohtsuka2; 1Department of General Surgery, Chiba University, Chiba/Japan, 2Department of General Surgery, Chiba University, Chiba City/Japan

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T. Abe, K. Nakata, Y. Mori, Y. Miyasaka, K. Ohuchida, T. Ohtsuka, M. Nakamura; Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan

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Crosstalk between Inflammation and Coagulation in Pancreatitis-Induced Respiratory Dysfunction
S. Chooklin, B. Pidhirnyy, S. Chuklin; Regional Clinical Hospital, Lviv/Ukraine

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Delayed Gastric Emptying and Morbidity After Pylorus-Preserving Versus Pylorus-Resecting Pancreatoduodenectomy: Systematic Review and Reto-Analysis
U. Klaiber, P. Probst, C.W. Michalski, M.W. Büchler, T. Hackert; Department of General, Visceral and Transplantation Surgery, University of Heidelberg/Germany

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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. Haab1, Y. Liu1, D. Barnett1, B. Staal1, K. Partyka1, H. Tang1, G. Hostetter1, A. Singhi2, R. Brand2, R.R. Drake3; 1Center for Cancer and Cell Biology, Van Andel Research Institute, Grand Rapids, MI/United States of America, 2University of Pittsburgh Medical Center, PA/United States of America, 3Medical University of South Carolina, SC/United States of America

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Disease Course Differences in Acute Pancreatitis Based on Etiology Using the Pancreatitis Activity Scoring System (PASS)
D. Lew1, B. Wu2, S.J. Pandol1, C. Sugar3, D. Senturk3, E. Afghani1; 1 Cedars Sinai Medical Center/United States of America, 2Kaiser Permanente Los Angeles/United States of America, SUCLA/United States of America
Distal pancreatectomy for the Management of theDisconnected Pancreatic Duct Syndrome Following Necrotizing Pancreatitis.
H. Lu, L. Zhang, S. Lu, D. Yang, M. Li, W. Hu; Pancreatic surgery, West China Hospital, Chengdu/China

Downregulation of GRP78 Mediates Chemo-Sensitivity and cell Death in PDAC
P. Dauer1, V.K. Gupta2, N.S. Sharma3, K.K. Kesh3, A. Saluja3, S. Banerjee3; 1Pharmacology, University of Minnesota, MN/United States of America, 2Surgical Oncology, University of Miami, FL/United States of America, 3SURGICAL ONCOLOGY, UNIVERSITY OF MIAMI, Miami, FL/United States of America

Dual Specificity Phosphatases (DUSPs) Role in Metabolic Reprogramming and Chemoresistance in Pancreatic Adenocarcinoma Cells
V. Silveira, P. Andrade, G. Vieira; Department of Genetics, Ribeirao Preto Medical School, Ribeirao Preto/Brazil

E2F-1 Induced MCAF Overexpression Promotes the Proliferation and Gemcitabine Resistance of Pancreatic Cancer Cells
Y. Peng, Y. Zhu, Z. Lu, L. Yin, J. Wei, C. Xi, Y. Mao; Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China

Early Dual Drainage Combining Transpapillary-and Percutaneous-Drainages, a Novel Approach for Pancreatic Infection Associated with Pancreatic Fistula in Severe Acute Pancreatitis
Y. Yokoi1, M. Kikuyama2, T. Satoh3; 1Shinshiro Municipal Hospital, Japan, 2Tokyo Metropolitan Cancer and Infectious Disease Center Komagome Hospital, Japan, 3Shizuoka General Hospital, Japan

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

Effects of Unsaturated Free Fatty Acid (uFFA) Release in Severe Acute Pancreatitis (SAP)
A.E. Phillips1, A.S. Wilson1, G. Papachristou2, D.C. Whitcomb1; 1Division of Gastroenterology, Hepatology, and Nutrition, University of Pittsburgh Medical Center, Pittsburgh/United States of America, 2VA Pittsburgh Health Care and University of Pittsburgh/United States of America

Establishment of the Pancreatic Cancer Treatment Predicted for the Types of Recurrence
J. Itakura, M. Watanabe, N. Hosomura, H. Amemiya, H. Kawaiha, H. Okamoto, H. Kouno, D. Ichikawa; Surgery, University of Yamanashi, Yamanashi/Japan

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

Expression of Sirtuin-3 and Tumor Heterogeneity in Pancreatic Ductal Adenocarcinoma
S. Urayama1, A. Habib2; 1Internal Medicine/Gastroenterology, University of California, Davis/United States of America, 2Internal Medicine, University of California, Davis, CA/United States of America
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S.B. Dreyer1, 2, L. Evers1, N.B. Jamieson2, S. Martin1, F. Duthie1, S. Cooke1, P. Bailey1, C.J. McKay1, 2, D.K. Chang1, 2, A.V. Biankin1, 2; 1Wolfson Wohl Institute of Cancer Sciences, University of Glasgow, Glasgow/United Kingdom, 2Glasgow Royal Infirmary, West of Scotland Pancreatic Unit/United Kingdom

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Frequency of Appropriate Use of Pancreatic Enzyme Replacement Therapy (PERT) and Symptomatic Response in Pancreatic Cancer Patients
J.A. Barkin1, A. Westermann2, W. Hoos2, C. Moravek2, L. Matrisian2, H. Wang3, L. Shemanskii3, J.S. Barkin1, L. Rahib2; 1University of Miami, Leonard M. Miller School of Medicine, Miami, FL/United States of America, 2Pancreatic Cancer Action Network, Manhattan Beach, CA/United States of America, 3Cancer Research And Biostatistics, Seattle, WA/United States of America

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S. Pendharkar; Surgery, University of Auckland/New Zealand

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Heme Oxygenase-1 Inhibition Under Hypoxia Modulates Stemness and Immune Response in Pancreatic Cancer
M.Y. Abdalla1, I.M. Ahmad2, B.E. Britigan3, S.K. Batra4, S. Kumar4; 1Pathology/Microbiology, University of Nebraska Medical center/United States of America, 2Medical Imaging and Therapeutic Sciences, University of Nebraska Medical Center/United States of America, 3Internal Medicine, Research Service, VA Medical Center, Nebraska/Western Iowa and University of Nebraska Medical Center/United States of America, 4Biochemistry and Molecular Biology, University of Nebraska Medical Center/United States of America

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Hospital admission for acute pancreatitis in a Chinese population, 2011-2014: big data analytics of Incidence and Hospital Expenses
L. Deng1, Q. Tan1, T. Jin1, K. Jiang1, J. Guo1, X. Yang1, W. Huang1, L. Sun2, Q. Xia1; 1Department of Integrated Traditional Chinese and Western Medicine, West China Hospital of Sichuan University/China, 2West China Biomedical Big Data Center, West China Hospital of Sichuan University/China

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Idiopathic (IRF) and IgG4 associated retroperitoneal fibrosis. Clinical and imaging characteristics; treatment response to steroids monotherapy vs tamoxifen + steroids
A. Soriano ?, M. Pelaez Luna, J. Hernandez Calleros, L. Uscanga Dominguez; Gastroenterology, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City/Mexico

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IL 6 Driven Metabolic Reprogramming Induces Stemness in Pancreatic Cancer
K.K. Kesh1, V.K. Gupta1, P. Dauer2, N.S. Sharma1, P. Gnamlin1, A. Saluja1, S. Banerjee1; 1Surgical Oncology, University of Miami, Miami, FL/United States of America, 2Pharmacology, University of Minnesota/United States of America

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

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Immune Landscape in Pancreatic Intraductal Papillary Mucinous Neoplasm Associated Cancer
S. Roth1, K. Zamzow1, M. Heckler1, M. Heikenwälder2, M.W. Büchler1, T. Hackert1, C.W. Michalski1; 1Department of General, Visceral and Transplantation Surgery, University of Heidelberg/Germany, 2German Cancer Research Center (DKFZ)/Germany
Impact of High Pancreatic Amylase on Insulin Response in a Pig Model
L. Lozinska1, 2, J. Woli?ski3, K. Goncharova1, 4, B. Weström1, S.G. Pierzynowski1, 4; 1Biology, Lund University, Lund/Sweden, 2Vitanano Sp. z o.o., Lublin/Poland, 3Animal Physiology, The Kielanowski Institute of Animal Physiology and Nutrition, Polish Academy of Sciences, Jab?onna/Poland, 4Anara AB, Trelleborg/Sweden

Increasing Adiponectin Receptor Levels Improves Anti-Proliferative Effects of AdipoRon in Pancreatic Pancer
F. Messaggio, N. Nagathihalli, N. Merchant, M.N. VanSaun; Department of Surgery, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami/United States of America

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

Inhibition of DNA-PK interferes with Pancreatic Cancer Cell Growth and Correlates with Inhibition of Autophagy
M.-F. Bossanyi, M. Groleau, M.-J. Boucher; Medicine, Université de Sherbrooke, Sherbrooke, QC/Canada

Inhibition of ERK1/2 Targeting Cancer-Associated Fibroblasts Suppresses Pancreatic Cancer-Stromal Interaction.
Z. Yan1, K. Ohuchida2, W. Guan1, H. Feng1, S. Kibe1, Y. Ando1, K. Nakata2, K. Shiindo2, H. Toma3, Y. Tominaga1, Y. Miyassaka1, T. Ohtsuka2, M. Nakamura2; 1Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka/Japan, 2Department of Surgery and Oncology, Kyushu University, Fukuoka/Japan, 3Harasanshin Hospital, Fukuoka/Japan, 4Fukuoka Sanno Hospital, Fukuoka/Japan

Insulin Enhances the Sensitivity of Pancreatic Cancer to Gemcitabine by Regulating NF-?B/hENT-1 Pathway
L. Yin, Y. Peng, Z. Lu, J. Wei, Y. Fu, S. Guo, X. Zhu, X. Liu, Y. Zhu, J. Zhang, Y. Miao; Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China

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A.K. Dasyam1, T. Tirkes2, Ž.K. Shah3, G. Tang4, K. Vipperla5, P.J. Greer6, M. Topazian7, E.L. Fogel8, D. Conwell9, D. Yadav10, N. Takahashi11; 1Radiology, University of Pittsburgh Medical Center, Pittsburgh, PA/United States of America, 2Radiology, Indiana University, IN/United States of America, 3Radiology, The Ohio State University Wexner Medical Center, OH/United States of America, 4Biostatistics, University of Pittsburgh, PA/United States of America, 5University of Pittsburgh Medical Center, Pittsburgh/United States of America, 6Gastroenterology, University of Pittsburgh, Pittsburgh/United States of America, 7Gastroenterology, Mayo Clinic, MN/United States of America, 8Gastroenterology, Indiana University School Medicine, IN/United States of America, 9Gastroenterology, Ohio State University Wexner Medical Center, OH/United States of America, 10Gastroenterology, University of Pittsburgh Medical Center, Pittsburgh, PA/United States of America, 11Radiology, Mayo Clinic, MN/United States of America
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A.C. Rodriguez1, L.K. Mejia2, P. Kandel1, M. Wallace1, T. Woodward1, V. Gomez1, J. Stauffer3, H. Asbun3, M. Raimondo1; 1Gastroenterology and Hepatology, Mayo Clinic Florida, FL/United States of America, 2Internal Medicine, Cleveland Clinic Ohio/United States of America, 3General Surgery, Mayo Clinic Florida, FL/United States of America

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Y. Wang, H. Wang; Institute of Hepatopancreatobiliary Surgery, Southwest Hospital, Third Military Medical University, Chongqing/China

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S.M. Tun1, 2, J. Hong3, J. Windsor1, A. Phillips1, 3; 1Department of Surgery, University of Auckland/New Zealand, 2Department of Internal Medicine, Woodhull Medical and Mental Health Center, New York/United States of America, 3School of Biological Sciences, University of Auckland/New Zealand

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B. Cai1, Z. Lu1, J. Wu1, W. Gao1, J. Chen1, F. Guo1, J. Wei1, C. Dai1, K. Jiang1, Y. Miao2; 1Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing/China, 2Pancreas Center, The First Affiliated Hospital of Nanjing Medical University/China

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M. Parhiala1, J. Laukkarinen2, J. Sand2; 1Tampere University/Finland, 2Dept. of Gastroenterology and alimentary tract surgery, Tampere University Hospital, Tampere/Finland

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S. Jiang1, Q. Yang2, R. Li3, Z. Zhang4; 1Shanghai Medical College of Fudan University, Shanghai/China, 2State Key Laboratory of Oncogenes and Related Genes, Shanghai Cancer Institute, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University/China, 3Hua'ian First People's Hospital, Nanjing Medical University/China, 4Shanghai Cancer Institute, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University/China

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H. Zhang, M. Ling, J. Cho, B. Chong, M. Quezada, N. Gupta, J. Buxbaum; Gastroenterology and Hepatology, University of Southern California Keck School of Medicine, Los Angeles, CA/United States of America

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M. Sandini1, K.N. Von Alt1, I. Pergolini1, C.E. Adams1, M. Mino-Kenudson2, M. Kem2, C.R. Ferrone3, K.D. Lillemoe3, A.L. Warshaw1, C. Fernandez-Del Castillo1, A.S. Liss1; 1Department of Surgery and the Pancreatic Research Laboratory, Massachusetts General Hospital, Boston, MA/United States of America, 2Department of Pathology, Massachusetts General Hospital, Boston, MA/United States of America, 3Surgery, Massachusetts General Hospital, Boston, MA/United States of America
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J. Rommohan1, A. Pruitt1, K. Bhagat1, L. Miller2, M.E. Sabbatini1; 1BIOLOGICAL SCIENCES, AUGUSTA UNIVERSITY, Augusta, GA/United States of America, 2Psychological Sciences, Augusta University/United States of America

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A. Oakes1, B. Glessing1, A. Faulx1, A. Chak1, J. Dumott1, G. Parizher2, A. Richardson2, M. Hillam3; 1Department of Internal Medicine, Division of Gastroenterology, University Hospitals Cleveland Medical Center, Cleveland, OH/United States of America, 2Case Western Reserve University School of Medicine/United States of America, 3University Hospitals St. John Medical Center/United States of America

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M. Garcia-Contreras1, H. Cheema2, R. Dawra1, V. Dudeja2; 1University of Miami/United States of America, 2Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL/United States of America

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K. Boggis1, T. Wang1, A.I. Orabi1, T. Javed1, T. Sun2, J.F. Eisses1, F. Esni3, W. Chen1, S. Husain1; 1Department of Pediatrics, University of Pittsburgh, Pittsburgh, PA/United States of America, 2Department of Biostatistics, University of Pittsburgh, Pittsburgh, PA/United States of America, 3Department of Surgery, University of Pittsburgh, Pittsburgh/United States of America

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H. Ramesh, J. Mathew; Surgical Gastroenterology, VPS Lakeshore Hospital, Cochin/India

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J. Nakahodo1, Y. Fukumura1, Y. Yanai1, S. Tsuyama1, O. Mamat1, H. Mitomi1, H. Isayama2, S. Kawasaki3, T. Yao1; 1Human Pathology, Juntendo University, Tokyo/Japan, 2Gastroenterology, Juntendo University/Japan, 3Hepatobiliary Pancreatic Surgery, Juntendo University, Tokyo/Japan

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S. Karmakar1, S. Barkeer1, D. Ghersi2, M.W. Naseer1, M. Ponnusamy1, S.K. Batra1; 1Biochemistry and Molecular Biology, University of Nebraska Medical Center, NE/United States of America, 2School of Interdisciplinary Informatics, College of Information Science and Technology, University of Nebraska Omaha, Omaha/United States of America

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A.T. Trout1, L. Fei2, M. Abu-El-Haija3; 1Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati/United States of America, 2Division of Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America, 3Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America
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A. Aronen1, J. Aittoniemi2, R. Huttunen3, A. Nikkiola1, I. Rinta-Kiihka4, J. Nikkiola1, O. Limnell5, I. Nordback1, J. Sand1, J. Laukkanen1; 1Gastroenterology and alimentary tract surgery, Tampere University Hospital, Tampere/Finland, 2Fimlab Laboratories/Finland, 3Department of Internal Medicine, Tampere University Hospital/Finland, 4Department of Radiology, Tampere University Hospital/Finland, 5Faculty of Medicine and Life Sciences, Tampere/Finland

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

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Y. Ueda; Department of Surgery, Kobe University Graduate School of Medicine, Kobe/Japan

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K.R. McEachron1, M. Melton2, G.J. Beilman1, M.D. Bellin1; 1Surgery, University of Minnesota/United States of America, 2Psychology, University of Minnesota/United States of America

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A.E. Phillips1, N. Shah1, D. Yadav1, R. Brand2; 1Division of Gastroenterology, Hepatology, and Nutrition, University of Pittsburgh Medical Center, Pittsburgh/United States of America, 2Division of Gastroenterology, Hepatology, and Nutrition, University of Pittsburgh Medical Center, Shadyside Hospital, PA/United States of America

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A.J. Hayes1, 2, X. Zheng2, T.B. Murray2, G. Just3, M. Binnie4, N.Z. Homer5, J.E. Baily4, C. Skouras1, S.P. Webster4, J. Liddle5, I.J. Uings5, J.P. Garden1, S.E. Howie2, D.J. Mole1, 2; 1Clinical Surgery, The University of Edinburgh/United Kingdom, 2Medical Research Council Centre for Inflammation Research, University of Edinburgh/United Kingdom, 3Mass Spectrometry Core, Edinburgh Clinical Research Facility, University of Edinburgh/United Kingdom, 4University/British Heart Foundation Centre for Cardiovascular Science, University of Edinburgh/United Kingdom, 5Discovery Partnerships with Academia, GlaxoSmithKline/United Kingdom, 6Pro Vice Chancellor Health, Senate House, University of Bristol/United Kingdom
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W. Blogowski1, K. Dolegowska2, A. Deskur2, B. Dolegowska2, T. Starzynska2; 1University of Zielona Gora/Poland, 2Pomeranian Medical University/Poland

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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

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L. Hornung1, H. Kalkwarf1, F. Szabo2, M. Abu-El-Haija1; 1Cincinnati Children's Hospital Medical Center, Cincinnati, OH/United States of America, 2Children's Hospital of Richmond, Virginia Commonwealth University/United States of America

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G. Kaushik1, P. Seshacharyulu2, S. Rachagan3, I. Lakshmanan2, R.R. Nimmakayala4, M. Ponnusamy5, S.K. Batra6; 1Department Of Biochemistry and Molecular biology, UNMC, Omaha/United States of America, 2Biochemistry and molecular biology, UNMC, Omaha, NE/United States of America, 3Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE/United States of America, 4Biochemistry and Molecular Biology, University of Nebraska Medical Center, DRC1 7056, University of Nebraska Medical Center, Omaha, NE/United States of America, 5Biochemistry and Molecular Biology, UNMC, Omaha/United States of America, 6Biochemistry and Molecular Biology, University of Nebraska Medical Center/United States of America

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D. Barnett1, Y. Liu1, K. Partyka1, L. Wisniewski1, G. Hostetter1, A. Singhii2, R.E. Brand3, R.R. Drake4, B.B. Haab1; 1Center for Cancer and Cell Biology, Van Andel Research Institute, Grand Rapids, MI/United States of America, 2Department of Pathology, University of Pittsburgh Medical Center, Pittsburgh, PA/United States of America, 3Department of Medicine, University of Pittsburgh Medical Center, Pittsburgh, PA/United States of America, 4Cell and Molecular Pharmacology and Experimental Therapeutics, Medical University of South Carolina, Charleston, SC/United States of America

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S. Sano1, Y. Okamura1, K. Ohgii1, T. Sugii1, T. Ito1, Y. Yamamoto1, R. Ashida1, K. Sasaki2, K. Uesaka1; 1Division of Hepato-Biliary-Pancreatic surgery, Shizuoka Cancer Center, Sunto-Nagaizumi, Shizuoka/Japan, 2Division of Pathology, Shizuoka Cancer Center, Shizuoka/Japan
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1First Department of Medicine, University of Szeged/Hungary, 2Department of Pathophysiology, University of Szeged, Szeged/Hungary, 3Department of Pharmacology and Pharmacotherapy, University of Szeged/Szeged/Hungary, 4Institute for Translational Medicine & 1st Department of Medicine, University of Pécs/Hungary, 5Department of Pharmacology and Pharmacotherapy, University of Pécs/Hungary

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D.L. Conwell1, J. Muntel2, S. Ahmed2, Z. Cruz-Monserrate1, P.A. Hart1, P.A. Banks3, L. Lee9, H. Steen2; 1The Ohio State University Wexner Medical Center, OH/United States of America, 2Pathology, Boston Children's Hospital/ Harvard Medical School, Boston, MA/United States of America, 3Center for Pancreatic Disease, Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital, Boston, MA/United States of America

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E. Morandi1, 2, C. Corbellini2, M. Castoldi1, 2, M.N. Guidici1, 3; 1Fondazione Eugenio Morandi Onlus/Italy, 2General Surgery Department, Ospedale di Rho/ Italy, 3Obstetrics and Gynecology Department, Ospedale di Rho - ASST Rhodense, Milano/Italy

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

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B. Khatua, V. Singh; Mayo Clinic, AZ/United States of America
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A. Turunen1, A.K. Penttilä1, J. Oiva1, H. Mustonen1, A. Kuuliala2, P. Puolakkainen1, H. Repo2, L. Kylänpää1, K. Kuuliala2; 1GI surgery, University of Helsinki and Helsinki University Hospital/Finland, 2Bacteriology and Immunology, University of Helsinki and Helsinki University Hospital/Finland

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G. Armstrong1, L. Phelan1, Y. Khaleed1, T.D. Maclaine2, C. Macutkiewicz1, R. Adair1, A. Aldouri1, A. Smith1; 1Pancreatic Surgery, St James' University Hospital, Leeds, LS T/United Kingdom, 2LIBACS, University of Leeds/United Kingdom

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H. Ren, C. Huang, J. Hao; Department of Pancreatic Cancer, Tianjin Medical University Cancer Institute and Hospital, Key Laboratory of Cancer Prevention and Therapy/China

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S. Munigala1, E. O'Reilly2, M. Alsante3, J. Holt3, A. Gelrud4; 1Saint Louis University/United States of America, 2Memorial Sloan-Kettering Cancer Center/United States of America, 3National Pancreas Foundation/United States of America, 4University of Chicago/United States of America

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A. Gulla1, 2, R.T. Waldron3, A. Lugea3, S. Pandol3; 1Department of Surgery, Georgetown University Hospital/United States of America, 2Department of Surgery, Vilnius University, Vilnius University Hospital, Santaros Clinics/Lithuania, 3Department of Medicine, Cedars-Sinai Medical Center and University of California, CA/United States of America