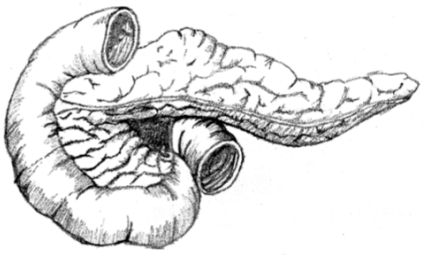
48TH ANNUAL MEETING

American Pancreatic Association



November 8 - 11 , 2017 | San Diego, California

CME Provider :
UNIVERSITY OF MIAMI
MILLER SCHOOL
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APA
AMERICAN PANCREATIC
ASSOCIATION

AMERICAN PANCREATIC ASSOCIATION

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

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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.
4. Utilize the novel therapies for the treatment of pancreatic exocrine insufficiency.
5. Implement the latest research on immunobiology and immunotherapy of pancreatic adenocarcinoma.
6. Assess the potential benefits of biomarkers for the early detection of pancreatic cancer
7. Compare and contrast the varying options for the prevention of post-ERCP Pancreatitis.
8. Discuss the most up to date research on the causes of acute and chronic pancreatitis.
9. Explain how diabetes affects both chronic pancreatitis and pancreatic cancer. Attendees will gain the knowledge of chronic pancreatitis to pancreatic cancer including how diabetes affects both diseases.
10. Evaluate latest clinical trials evidence on the immunobiology of pancreatic cancer and immunotherapy clinical trials in the field.

DOCUMENTATION OF ATTENDANCE FOR CME

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

EVALUATIONS & CREDIT ADJUSTMENT FORM

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

FACULTY DISCLOSURE PAGE

Disclosure and Conflict of Interest Resolution Statement

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

SUPPORTERS

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

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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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Please visit our exhibitors' booths in the Commodore Foyer

YOUNG INVESTIGATOR AWARD WINNERS

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

ABSTRACT SELECTION COMMITTEE

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

Sulagna Banerjee - University of Miami
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
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Atsushi Masamune -Tohoku University, China
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Veena Sangwan –McGill University, Canada
Kyoko Shimizu - Tokyo Women's University, Japan
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Vikesh Singh – Johns Hopkins
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Christina Twyman-St. Victor - UPenn
Aliye Uc – University of Iowa
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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

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

THURSDAY, NOVEMBER 9

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

FRIDAY, NOVEMBER 10

7:00 a.m. – 8:00 a.m.	Breakfast & Poster Viewing
8:00 a.m. – 9:30 a.m.	Abstract Session: Pancreatitis
9:30 a.m. – 10:00 a.m.	Frank Brooks State of the Art Lecture
10:15 a.m. – 12:00 p.m.	Mini Symposium: Fibrosis in Pancreatic Diseases: Friend or Foe?
12:00 p.m. – 2:00 p.m.	Lunch & Poster Session
2:00 p.m. – 2:30 p.m.	Business Meeting
2:30 p.m. – 3:30 p.m.	Mini Symposium: From Radiology to Radiomics in Pancreatic Cancer
3:45 p.m. – 5:00 p.m.	Mini Symposium: Controversies in Clinical Pancreatology: Can We Define Early CP?
5:00 p.m. – 6:30 p.m.	Parallel Session: Clinical Science Abstracts Parallel Session: Basic Science Abstracts
7:00 p.m.	Women in Pancreas Reception & Dinner

SATURDAY, NOVEMBER 11

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

ONSITE REGISTRATION HOURS

Location | *Commodore Foyer*

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

SOCIAL EVENTS

PRESIDENTIAL RECEPTION

Wednesday, November 8 | 7:00 pm – 9:00 pm Location | *Bay Terrace*

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

AWARDS DINNER & RECEPTION

Thursday, November 9 | 7:00 pm – 10:00 pm
Reception 7:00 pm – 8:00 pm Location | *Bay Terrace*
Dinner 8:00 pm – 10:00 pm Location | *Commodore CDE*

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

WOMEN IN PACREAS RECEPTION & DINNER

Friday, November 10, 7:00 pm
Reception Location | *Bay Terrace*
Dinner Location | *Constellation B*

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

APA FOUNDATION

The American Pancreatic Association Foundation was officially launched in 2013 with the goal of providing charitable, educational and research support for American Pancreatic Association's initiatives and missions. It was incorporated in the state of Minnesota as a 501(c)3 organization.
The APA Foundation Inaugural Board of Directors consists of Dr. Steve Pandol, Dr. Ed Bradley, Dr. William Chey, Ms. Agi Hirschberg, Dr. Barbara Kenner, Dr. Howard Reber, Dr. Peter Banks, Dr. Andrew Warshaw, Dr. Paul Webster, and Dr. Ed Purich. Dr. Ashok K. Saluja serves as treasurer, and Dr. Vay Liang W. (Bill) Go is Chair of the Board.
The Board started to function in 2014. The APA Foundation contributed to the APA 2017 Young Investigators in Pancreatitis Grant Program.

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

American Pancreatic Association
PO Box 352406
Miami, FL 33135

DISTINGUISHED SERVICE AWARD

JULIE FLESHMAN, JD, MBA
President and CEO, Pancreatic Cancer Action Network

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

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

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

Fleshman has spearheaded the charge to ensure the Pancreatic Cancer Action Network achieves its goal to double pancreatic cancer survival by 2020. Her leadership has driven consistent excellence and innovation throughout the programs and services of the organization, including introducing precision medicine service Know Your Tumor® 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

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

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

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

State of the Art Lecture
Ashok K. Saluja, PhD, University of Miami Miller School of Medicine
Pancreas, Fear One Thing; Fear Cathepsin B

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

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

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

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

9:50 – 10:10am — Break
Location | *Commodore Foyer*

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

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

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

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

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

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

12:00 – 1:00pm

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

1:00 – 1:20pm

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

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

1:30 – 3:30pm

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

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

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

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

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

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

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

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

THE AMERICAN PANCREATIC ASSOCIATION'S

48th AnnualMeeting

WEDNESDAY, November 8
Commodore Ballroom CDE

5:00 – 7:00 pm

Hirshberg Symposium: The Future of Pancreatic Cancer: From Mechanisms to Therapy
Chairs | O. Joe Hines, MD and Anil K. Rustgi, MD

Geoffrey Wahl, PhD, Salk Institute for Biological Studies
Tuft Cells as Immune Modulators in Pancreatitis and Pancreatic Tumorigenesis

Timothy Donahue, MD, University of California Los Angeles
Surgery of Pancreatic Cancer

Margaret Tempero, MD, University of California San Francisco
Navigating the Therapeutic Landscape of Pancreatic Cancer

Andre Nel, MD, PhD, UCLA
Nanotechnology Platform for Drug Delivery and Immunotherapy of Pancreatic Cancer

7:00 – 9:00pm

Presidential Reception| *Non-CME event*
Location | *Bay Terrace*

THURSDAY, November 9
Commodore Ballroom CDE

7:00 – 8:15am

Breakfast & Poster Viewing

Breakfast| *Non-CME event*
Location | *Pavilion*

Poster Viewing
Location | *Pavilion*

8:15 – 10:00am

Pancreatic Cancer Abstract Session
Location | *Commodore Ballroom CDE*
Chairs | Sulagna Banerjee, PhD and Martin Fernandez-Zapico, MD

Keynote Speaker
George Miller, MD, New York University School of Medicine
Novel Ways to Reprogram Macrophages in Pancreatic Cancer

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

A.D. Singhi,[1] J. Greenbowe,[2] J. Chung,[2] M. Bailey,[2] N. Bahary,[3] H. Zeh,[3] R.E. Brand,[3] P. Stephens,[2] J. Ross,[2] V. Miller,[2] S. Ali,[2] B. George.[4]
[1]Department of Pathology, University of Pittsburgh, Pittsburgh, PA; [2]Foundation Medicine, Inc., Cambridge, MA; [3]University of Pittsburgh Medical Center, Pittsburgh, PA; [4]Medical College of Wisconsin, Milwaukee, WI.

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

P. Atri,[1] D. Ghersi,[2] S. Kaur,[1] M. Ponnusamy,[1] S.K. Batra.[1]
[1]Biochemistry and Molecular Biology, UNMC, Omaha, NE; [2]School of Interdisciplinary Informatics, College of Information Science and Technology, University of Nebraska Omaha, Omaha, NE.

Defining DDR Defectiveness and Replication Stress in Pancreatic Cancer

S.B. Dreyer,[1,2] E.M. Lampraki,[1] V. Paulus-Hock,[1] R. Upstill-Goddard,[1] G. Caligiuri,[1] P. Bailey,[1] D.K. Chang,[1,2] A.V. Biankin,[1,2,3].
[1]Wolfson Wohl Institute of Cancer Sciences, University of Glasgow, Glasgow, United Kingdom; [2]Glasgow Royal Infirmary, West of Scotland Pancreatic Unit, Glasgow, United Kingdom; [3]South Western Sydney Clinical School, Faculty of Medicine, University of New South Wales, Sydney, Australia

Therapeutic Targeting of MLL3 Mutant Pancreatic Cancer

S. Gupta,[1] S. Ferri-Borgogno,[1] M.R. Reisenauer,[1] A.K. Gupta,[1] A. Maitra.[2]
[1]Pathology, The UT MD Anderson Cancer Center, Houston, TX; [2]MD Anderson Cancer Center, Houston, TX.

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

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

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

A. Sharma,[1] K. Chaffee,[2] W. Bamlet,[2] B. Broderick,[2] A. Oberg,[2] G. Petersen,[2] S. Chari.[1]
[1]Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN; [2]Department of Health Sciences Research, Mayo Clinic, MN.

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

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

10:00 – 10:15am 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 Volanesorsen (VLN) Reduced Triglycerides and Pancreatitis in Patients With Familial Chylomicronemia Syndrome (FCS) and Severe Hypertriglyceridemia (sHTG) vs Placebo: Results of the APPROACH and COMPASS Studies
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. Tsmikas[10], J.L. Witztum,[11] D. Gaudet.[12]
[1]Pancreas Center, University of Chicago, Pancreas Center, Chicago, IL; [2]Clinical Development, Akcea Therapeutics Inc, Cambridge, MA; [3]Clinical Development, Ionis Pharmaceutical, Carlsbad, CA; [4]Medical Affairs, Akcea Therapeutics,

Cambridge, MA; [5]Medical Affairs, Akcea Therapeutics Inc, Cambridge, MA; [6]Polyclinic for Endocrinology Diabetes and Preventative Medicine, University of Cologne, Cologne, Germany; [7]Institut E[3]M et IHU Cardiométabolique (ICAN), Hôpital Pitié-Salpêtrière, Paris, France; [8]Vascular Medicine, Academic Medical Center, Amsterdam, Netherlands; [9]Ionis Pharmaceuticals, Carlsbad, CA; [10]Clinical Development/Cardiology, Ionis Pharmaceuticals, Carlsbad, CA and UC San Diego, La Jolla, CA; [11]Ionis Pharmaceuticals, Carlsbad, CA and UC San Diego, La Jolla, CA [12]Universite 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] [1]Internal Medicine, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA; [2]Gastroenterology, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA; [3]Kaiser Permanente Research and Evaluation, Pasadena, CA.

Characterization of Collagen Producing Cells in Acute Pancreatitis via Lineage Tracing

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

Sensing of Cell Death by DNA Sensor STING Mediates Acute Pancreatitis

Q. Zhao,[1] Y. Wei,[1] L. Li,[2] A. Habtezion.[1]
[1]Division of Gastroenterology and Hepatology, Stanford University School of Medicine, Stanford, CA; [2]Biochemistry Department and the ChEM-H Institute, Stanford University, Stanford, CA

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

M. Sendler,[1] C. Van Den Brandt,[1] F.U. Weiss,[1] J. Golchert,[2] G. Homuth,[2] M.M. Lerch,[1] J. Mayerle.[3]
[1]Department of Medicine A, University Medicine Greifswald, Greifswald, Germany, [2]Interfaculty Institutes for Genetics and Functional Genomics, University Medicine Greifswald, Greifswald, Germany, [3]Department of Medicine II, University Hospital München-Grosshadern of the LMU, München, Germany

3:00 – 4:20pm

MINI SYMPOSIUM: Imaging the Pancreas

Location | *Commodore Ballroom CDE*
Chair | Murray Korc, MD and Zoltan Rakonczay, MD, PhD

Alice M. Wyrwicz, PhD, NorthShore University Health System and the University of Chicago Pritzer School of Medicine
MR Microimaging of Pre-Neoplastic Pathology in Mutant Kras Mouse Models of Pancreatic Cancer

Vinay Chandrasekhara, MD, Mayo Clinic Rochester
Updates in EUS Imaging of the Pancreas

Jason S. Lewis, PhD, Memorial Sloan Kettering Cancer Center
Recent Advances in the PET Imaging of Pancreatic Cancer

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

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

4:20 – 4:40pm Break
Location | *Commodore Foyer*

4:40 – 6:00pm **MINI SYMPOSIUM: Precision Medicine in Pancreatitis Management**
Location | *Commodore Ballroom CDE*
Chair | Walter G. Park, MD and Tooru Shimosegawa, MD

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

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

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

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

7:00 – 10:00pm Awards Dinner & Reception | *Non-CME event*

Reception 7:00 – 8:00 pm
Location | *Bay Terrace*
Dinner 8:00 – 10:00 pm
Location | *Commodore Ballroom CDE*

FRIDAY, November 10
Commodore Ballroom CDE

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

Breakfast| *Non-CME event*
Location | *Pavilion*

Poster Viewing
Location | *Pavilion*

8:00 – 9:30 am **Pancreatitis Abstract Session**
Location | *Commodore Ballroom CDE*
Chairs | Herbert Y. Gaisano, MD and Thomas Mace, PhD

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

A. Kamal,[1] V. Akshintala,[1] R. Talukdar,[2] M.K. Goenka,[3] R. Kochhar,[4] S. Lakhtakia,[2] 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] [1]Gastroenterology, Johns Hopkins Hospital, Baltimore, MD; [2]Asian Institute of Gastroenterology, Hyderabad, India; [3]Apollo Gleneagles Hospital, Kolkata, India; [4]Postgraduate Institute of Medical Education and Research, Chandigarh, India; [5]Medical University of South Carolina, Charleston, SC; [6]Gastroenterology, Johns Hopkins Hospital, Baltimore, MD.

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

Z. Swanson, J. Wilhelm, M.D. Bellin, B. Hering.
Surgery, University of Minnesota, Minneapolis, Minneapolis, MN

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

J.Y. Bang[1], J.P. Arnoletti[2], U. Navaneethan[1], M. Hasan[1], R. Hawes[1], S. Varadarajulu[1]
[1]Center for Interventional Endoscopy, Florida Hospital, Orlando, FL; [2]Surgery, Florida Hospital, Orlando, FL

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

H. Gaisano, S. Dolai.
University of Toronto, Toronto, Canada

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

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

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

H. Cheema, J. George, G. Gonzalez, V. Dudeja, R. Dawra, S. Roy, A. Saluja.
Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL

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

Z. Jancso, M. Sahin-Toth
Molecular and Cell Biology, Boston University, Boston, MA

9:30-10:00am **Frank Brooks State of the Art Lecture**

(Basic Science)
Location | *Commodore Ballroom CDE*
Introduction | Anil K. Rustgi, MD
Ronald M. Evans, PhD, Salk Institute for Biological Studies
Controlling Stroma to Corral Pancreatic Cancer

10:00 - 10:15am

Break
Location | *Commodore Foyer*

10:15 - 12:00pm

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 Pancreatitis

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 - 2:30pm

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 - 3:30pm

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] [1]Department of Molecular and Clinical Cancer Medicine, NIHR Liverpool Pancreas Biomedical Research Unit, Liverpool/United Kingdom, [2]Department of Molecular and Clinical Cancer Medicine, University of Liverpool, NIHR Liverpool Pancreas Biomedical Research Unit, Liverpool, United Kingdom, [3]Immuno-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,[1] A. Sharma,[2] S. Chari.[3]
[1]Internal Medicine, Saint Peter's University Hospital, New Brunswick, NJ; [2]Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN; [3]Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

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

V. Morales-Oyarvide,[1] Z. Qian,[2] D.A. Rubinson,[1] J.A. Nowak,[3] R.F. Dunne,[4] M. Kozak,[5] M. Welch,[1] L.K. Brais,[1] A. Da Silva,[2] T. Li,[2] W. Li,[2] A. Masuda,[2] J. Yang,[2] Y. Shi,[2] M. Gu,[2] Y. Masugi,[2] J. Bui,[5] C. Zellers,[1] C. Yuan,[1] A. Babic,[1] N. Khalaf,[6] A. Aguirre,[1] K. Ng,[1] R. Miksad,[7] A. Bullock,[7] D. Chang,[5] J. Tseng,[8] T. Clancy,[9] D. Linehan,[10] J. Findeis-Hosey,[11] L. Doyle,[12] A. Thorner,[1] M. Ducar,[12] B. Wollison,[13] A. Laing,[13] W. Hahn,[1] M. Meyerson,[1] C.S. Fuchs,[1] S. Ogino,[2] J. Hornick,[12] A. Hezel,[4] A. Koong,[5] B.M. Wolpin.[1]
[1]Department of Medical Oncology, Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA; [2]Department of Oncologic Pathology, Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA; [3]Program in MPE Molecular Pathological Epidemiology, Department of Pathology, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; [4]Department of Medicine, Division of Hematology and Oncology, Wilmot Cancer Institute, University of Rochester Medical Center, Rochester, NY; [5]Department of Radiation Oncology, Stanford Cancer Institute, Stanford, CA; [6]Division of Gastroenterology, Hepatology, and Endoscopy, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; [7]Department of Hematology and Oncology, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA; [8]Department of Surgery, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA; [9]Department of Surgery, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; [10]Department of Surgery, University of Rochester Medical Center, Rochester, NY; [11]Department of Pathology, University of Rochester Medical Center, Rochester, NY; [12]Department of Pathology, Brigham and Women's Hospital and Harvard Medical School, Boston, MA; [13]Center for Cancer Genome Discovery, Dana-Farber Cancer Institute, Boston, MA.

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

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

Changes in Body Composition During Neoadjuvant Treatment for Pancreatic Cancer

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

K.D. Lillemoe,[1] C. Bassi,[10] M. Braga,[8] L. Gianotti,[11] D. Sahani,[2] C. Fernandez-Del Castillo.[1]
[1]Surgery, Massachusetts General Hospital, Boston, MA; [2]Radiology, Massachusetts General Hospital, Boston, MA; [3]Department of Radiology, Hospital Universitario Dr. José Eleuterio Gonzáles, Mexico; [4]General and Pancreatic Surgery Department, Pancreas Institute, Italy; [5]Radiology, Pancreas Institute, Italy; [6]Radiology, School of Medicine and Surgery, San Gerardo Hospital, University of Milano-Bicocca, Italy; [7]Oncology, General and Pancreatic Surgery Department, Pancreas Institute, Italy; [8]Surgery, Vita-Salute San Raffaele University, Italy; [9]Radiology, Vita-Salute San Raffaele University, Italy; [10]General and Pancreatic Department, Pancreas Institute, Italy; [11]Surgery, School of Medicine and Surgery, San Gerardo Hospital, University of Milano-Bicocca, Italy.

5:00 - 6:30pm

Parallel Session: (Basic Science Abstracts)
Location | *Constellation*
Chairs | Paul Grippo, PhD and Ilya Gukovsky, PhD

Nfic is a Novel Nr5a2 Interactor and Regulator of the Pancreatic Acinar Program
I. 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,[3] H. Crawford.[4]
[1]UT Health Science Center, The University of Texas Health San Antonio, San Antonio, TX;, [2]University of Pittsburgh, Pittsburgh, PA; [3]Department of Pathology, The University of Texas M.D. Anderson Cancer Center, Houston, TX; [4]Department of Molecular and Integrative Physiology & Internal Medicine, University of Michigan Health System, Ann Arbor, MI.

A Novel Mouse Model With Bigenic Targeting of Activated Pancreatic Stellate Cells
H.-Y. Su,[1] R.T. Waldron,[2] S.J. Pandol,[2] A. Lugea.[2]
[1]Cedars-Sinai Medical Center, Los Angeles, CA; [2]Department of Medicine, Cedars-Sinai Medical Center and University of California, Los Angeles, CA

The SNARE Priming Factor Calcium-Dependent Activator Protein for Secretion 2 (CAPS2) Regulates Trypsinogen Trafficking and Intracellular Trypsinogen Activation
S. Messenger, SE Maciuba, TF Martin.
Department of Biochemistry, University of Wisconsin-Madison, Madison, WI

D52 is a Homeostatic Regulator of Acinar Cells In Vivo
E.K. Jones, D.D.H. Thomas, M. Cooley, N.Y. Ly, G.E. Groblewski
University of Wisconsin, Madison, WI

A Role for Pancreatic NFAT in Pancreatitis
L. Wen,[1] T. Javed,[1] A. Orabi,[1] S. Husain.[2]
[1]Department of Pediatrics, University of Pittsburgh, Pittsburgh, PA; [2]Department of Pediatrics, University of Pittsburgh, Pittsburgh, PA.

Hypothermic Interference With Bile Acid (BA) Micellar Breakdown (MBD) Reduces Systemic Bile Acid Toxicity
B. Khatua, C. De Oliveira, B. El-Kurdi, K. Patel, V. Singh.
Department of Medicine, Mayo Clinic, Scottsdale, AZ

7:00pm **Women in Pancreas Reception & Dinner** | *Non-CME event*
Reception Location | *Bay Terrace*
Dinner Location | *Constellation B*

Keynote Speaker
Sheila E. Crowe, MD, FRCPC, FACP, FACG, AGAF
University of California San Diego
2017 - The Year of Women Leading Digestive Disease Societies

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

SATURDAY, November 11
Commodore Ballroom CDE

7:00 – 8:00am Breakfast
Location | *Pavilion*

8:00 – 9:30am **Pancreatic Cancer Abstract Session**
Location | *Commodore Ballroom CDE*
Chairs | Johanna Laukkarinen, MD and Michael VanSaun, PhD

Keynote Speaker
Sulagna Banerjee, PhD, University of Miami Miller School of Medicine
Tumor Microenvironment-mediated Metabolic Reprogramming in Pancreatic Tumor Initiating Cells

Stromal Fibroblasts Drive Single Cell Heterogeneity in Pancreatic Cancer
L. Matteo,[1,2] S. Srinjoy,[1] S. Misale,[3] M. Karabacak,[4] J. Malagon-Lopez,[4] N. Vincent Jordan,[4] N. Desai,[4] K. Arora,[4] A. Kulkarni,[4] M. Rajurkar,[4] M. Di Pilato,[1] M. Boukhali,[4] J. Fatherree,[4] E. Tai,[4] K. Vo,[4] L. Damon,[4] K. Xega,[4] R. Desai,[4] M. Choz,[4] 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]
[1]Massachusetts General Hospital, Boston, MA; [2]Surgery, Massachusetts General Hospital, Boston, MA; [3]Memorial Sloan Kettering, New York, NY; [4]Cancer Center, Massachusetts General Hospital, Boston, MA; [5]Massachusetts 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,[4] N. Merchant.[1]
[1]Surgery, University of Miami, Miami, FL; [2]Surgery, Vanderbilt University, Nashville, TN; [3]Surgery, University of Miami, Miami, FL; [4]Surgery, University of Miami, Miami, FL.

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

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

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

S.G. Krishna,[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]
[1]The Ohio State University Wexner Medical Center, Columbus, OH; [2]The Ohio State University Wexner Medical Center, Columbus, OH; [3]The Ohio State University Wexner Medical Center, Columbus, OH; [4]University 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]
[1]Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; [2]Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland

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

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

9:30 – 10:30am

MINI SYMPOSIUM: Immunotherapy in Pancreatic Cancer
Location | *Commodore Ballroom CDE*
Chairs | Margaret Tempero, MD and Andrew M. Lowy, MD

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

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*

P1-1

Chronic Pancreatitis is a Devastating Disease Across All Ages

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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

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

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P1-4

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

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P1-5

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

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P1-6

GLI1 Complex with BRM to Control Gene Expression in Pancreatic Cancer

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

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

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P1-9

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

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Ionizing Radiation Potentiates the Effect of Minnelide on Pancreatic Cancer

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

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P1-12

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

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P1-13

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

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P1-14

Morphine Treatment Increases the Severity of Acute Pancreatitis via μ-Opioid Receptor.

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P1-15

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

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P1-16

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

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

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P1-18

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

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

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P1-20

Secretory Inhibition During Acute Pancreatitis is Mediated by a Loss of Phosphatidylinositol (4,5) Phosphate (PIP2)

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

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

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

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

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P1-25

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

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A Novel Role for ARNT2 in Exocrine Pancreas Regeneration.

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A TGF-ß-lin28b-miRNA Circuit Regulates EMT and Stemness in Pancreatic Cancer

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

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Adenoviral Based Radioiodine Therapy and Imaging for Pancreatic Cancer

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P1-30

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

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P1-31

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

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

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Are Patients Cured After Pancreatic Resection? Definitions and Statistical Modeling

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P1-34

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

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

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

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P1-36

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

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

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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

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

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Chronic Pancreatitis Localized in Ventral Pancreas Associated with Pancreas Divisum

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

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Cocaine Induced Acute Pancreatitis: A Systematic Review

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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)

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c-Src is Involved in Zymogen Granule Formation

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Dclk1 a Novel Therapeutic Target for the Reprogramming of PDAC TME

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

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

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

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

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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

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

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Effects of Berberine on Acute Necrotizing Pancreatitis

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

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

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P1-55

Establishment of Novel Gemcitabine-Resistant Mouse Pancreatic Cancer Cell Line

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

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Factors Affecting Opioid Use in Hospitalized Patients with Acute Pancreatitis

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

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

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HSP70 in Immune-Environment Promotes Growth of Pancreatic Cancer.

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Impact of a Histone methylase G9a on Pancreatic Carcinogenesis

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Improved Outcomes for Severe Acute Pancreatitis in High Volume Hospitals

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Increased Incidence of Pancreatic Ductal Adenocarcinoma in Chronic Pancreatitis Patients with Pancreatic Intraepithelial Neoplasia 2

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Increased Opioid Analgesic Requirement Correlates with Morphologic Severity of Acute Pancreatitis

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

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

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Inhibiting Angiogenesis to Improve Anti-Stromal Therapy for Pancreatic Cancer

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

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

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Laparoscopic Pancreaticoduodenectomy: a Single Team Preliminary Experience

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Left-sided portal hypertensionassociated with Acute Pancreatitis Treated by Splenectomy: Clinical Characteristics and Outcomesin a Cohort of 79 Cases

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

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

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

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

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

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

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

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

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NF-?B genetic ablation down-regulates p62/SQSTM1 and Ameliorates Non-alcoholic and Alcoholic Experimental Pancreatitis.

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

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

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

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PA2G4 and PCDH10 Gene Mutations Differentiate Benign and Malignant IPMN

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Pancreatic Juice culture in Acute pancreatitis and other Pancreatic Disorders

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

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

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

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

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

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

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

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Relationship of Molecular Abnormalties to Pathology of Pancreatic Neuroendocrine tumor (pNET)

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

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

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

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

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ROR1 Targeting Drugs Induced Significant Apoptosis of Pancreatic Cancer Cells

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

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

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Sexually Dichotomous Cellular Signaling in Human Pancreatic Acinar Cells

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

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

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

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

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

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

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

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

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

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

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

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Targeting eIF4A dependent translation as therapeutics in pancreatic cancer

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

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

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The Late benign Biliary complication after pancreatoduodenectomy

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

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The significance of Conversion Surgery for Unresectable Pancreatic Cancer.

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

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Time-dependent effects of Nerve Growth Factor on Pancreatic Cancer

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

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

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

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Validation Study for Acute Pancreatitis Quality Indicators (APQI)

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

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

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

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

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

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A Novel Transgenic Mouse Model of --Human Hereditary Pancreatitis

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Activin in Acute Pancreatitis: Potential Early Novel Therapeutic Target

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

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

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

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

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

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

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

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

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

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Pancreatic Organoids Elucidate the New Mechanisms of Pancreatic Cancer Local Invasion

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

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

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

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

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A Case of Minute Pancreatic Carcinoma with Focally Fatty Chage of the Pancreatic Parenchyma

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A Histopathologic Comparison of Fibrosis among Patients with and without Pancreatitis

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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

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A Novel Mechanism in Lymphatic Metastasis of Pancreatic Cancer

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

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

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

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A Zinc-Dependent Integrin-Paxillin-GSK-3? Signaling Axis Mediates Cell Adhesion and Tumor Growth of Pancreatic Cancer

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Activated Brain Microglia in Caerulein Induced Persistent Pancreatitis

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

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

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

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

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

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

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

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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

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

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

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Bone Health Assessment in Patients with Chronic Pancreatitis

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

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

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

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

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

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

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

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Clinicopathological Characteristics of Recurrent Pancreatic Cancer: Analysis of Autopsies

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

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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.

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

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Crosstalk between Inflammation and Coagulation in Pancreatitis-Induced Respiratory Dysfunction

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

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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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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IL 6 Driven Metabolic Reprogramming Induces Stemness in Pancreatic Cancer

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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

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

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

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

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

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

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Insulin Enhances the Sensitivity of Pancreatic Cancer to Gemcitabine by Regulating NF-?B/hENT-1 Pathway

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

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

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

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

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

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Middle Segment Pancreatectomy: It's Complications and Safety.

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Most Chronic Pancreatitis Patients Continue Smoking After Their Diagnosis

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

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

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

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

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Outcomes of Pancreatic Cysts Managed According to AGA Guidelines

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Pancreatic Acinar Cell-Derived Exosomes: Mediators of Injury?

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Pancreatic Gene Expression During Recovery After Pancreatitis Reveals Unique Transcriptome Profiles

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

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

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

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

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

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Plasma suPAR Levels in Chronic Pancreatitis and Pancreatic Cancer

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

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

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

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

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Prior History of Pancreatitis Accelerates the Development of Pancreatic Adenocarcinoma

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Prognostic Nomogram for Resected Pancreatic Adenocarcinoma

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

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Selected Bioactive Lipids in Patients with Pancreatic Cancer

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

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Stabilized Incidence of Pediatric Acute Pancreatitis

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

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

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

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

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

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The Effect of Chemical Sensory Denervation on Experimental Acute Pancreatitis

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

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

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

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

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The role of Bedside Ultrasonography in Monitoring Postoperative Course after Pancreaticoduodenectomy

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

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

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

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Time Course of Monocyte STAT3 and NF-kB Phosphorylation in Severe Acute Pancreatitis

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

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

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

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Utilizing Proteomic Analysis to Identify Biomarkers in Ethanol Induced Acute Pancreatitis

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