49TH ANNUAL MEETING

In Collaboration with

Oct. 31 - Nov. 3, 2018 | Eden Roc Hotel | Miami Beach, FL

CME Provider: University of Miami, Miller School of Medicine
WELCOME TO MIAMI

THE SYLVESTER COMPREHENSIVE CANCER CENTER TEAM WELCOMES ALL ATTENDEES OF THE 49TH ANNUAL MEETING OF THE AMERICAN PANCREATIC ASSOCIATION. TOGETHER, WE CONTINUE TO WORK TO IMPROVE THE OUTCOME FOR PANCREATIC CANCER PATIENTS EVERYWHERE.
Governing Board

Darwin Conwell, MD – President
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Governing Board

Suresh Chari, MD – President
Tooru Shimosegawa, MD – Past President
Thomas Gress, PhD – President Elect
Pramod Garg, MD – Secretary
Santhi Vege, MD – Treasurer
Message from the APA President

Dear Friends and Colleagues,

On behalf of our society’s governing board and organization committee, I am honored to welcome you back to Miami for the 49th Annual Meeting of the American Pancreatic Association (APA) October 31-Nov 3, 2018. It is indeed an honor and a blessing to serve as the 39th president of the American Pancreatic Association. The mission of the APA is to foster clinical and basic science research needed to cure diseases of the pancreas. The annual meeting is critical to the success of our mission. This year we are hosting a joint meeting with the International Association of Pancreatologists (IAP).

In recent years the APA membership has enjoyed the movement of our meeting to very warm, sunny and bright locations, like San Diego and Miami. I am happy to report we are back to one of my personal favorite spots, on Miami Beach. We promise another wonderful and invigorating meeting with exchange of research ideas and fostering of collaborative efforts in the areas of pancreatitis and pancreas cancer.

The Pre-meeting, Wednesday session will be an APA/IAP Combined Symposium on pancreatic diseases induced diabetes. Dr. Suresh Chari, IAP President, has put together an international panel of experts to discuss this important relationship. Session topics will include: the interplay between insulin resistance and beta cell dysfunction, and a better understanding of the pathophysiology and mechanisms of diabetes as it relates to acute and chronic pancreatitis, cystic fibrosis and pancreas cancer. The Annual Hirshberg Symposium will address the relationship between the microbiome and pancreas cancer.

The core 2018 APA/IAP Meeting, Thursday - Saturday will utilize the traditional formats of abstract-driven scientific sessions and symposia to cover a variety of basic and clinical topics related to diseases of the pancreas. Special thanks to Dr. Ashok Saluja, Secretary-Treasurer APA, and the committee co-chairs for developing a state of the art symposia. Topics this year will include necrotizing pancreatitis, advances in pancreas cancer therapeutics; recurrent, acute and chronic pancreatitis; early detection of pancreas cancer, drug-induced pancreatitis, novel pancreatitis therapy and hereditary pancreas cancer. Several NIH consortiums (POST, CPDPC, SHARP and INSPIRE) in pancreatic diseases will be featured throughout the program with opportunities to interact and collaborate with the principal investigators. Furthermore, we will have another PANCAN Young Investigators Symposia this year and several state-of-the-art lectures honoring noted pancreatologists, including Frank Brooks, Paul Webster, and George Palade.

In addition to our scientific sessions with abstract presentations from research scientists from around the world, we will have breakfast, lunch and dinner receptions that foster an environment for exchange of research ideas and collaboration. Featured evening dinners and receptions will include our Women in Pancreas Reception, Presidential Reception, and Annual Awards Dinner. We are extremely grateful for the support of several foundations and corporate sponsors that enhance our program. This year’s APA/IAP meeting promises to be one of the best attended events in our history. Hundreds of abstracts and numerous speakers from around the globe will be presenting innovative, novel and cutting-edge poster and oral research abstracts. Please encourage your junior investigators and colleagues across collaborating disciplines to submit abstracts and attend this upcoming event in warm and sunny Miami!

I am looking forward to seeing you all. Safe travels.

Darwin L. Conwell, MD, MSc, FACG
APA President
Floyd Beman Chair in Gastroenterology, Hepatology and Nutrition
Professor and Director, Division of Gastroenterology, Hepatology and Nutrition
The Ohio State University Wexner Medical Center, Columbus, Ohio
Message from the IAP President

Dear IAP and APA Members,

IAP’s Executive Committee and Council, has the distinct honor and pleasure to welcome you to sunny and beautiful Miami for the Joint Meeting of the International Association of Pancreatology and the American Pancreatic Association (APA) October 31-Nov 3, 2018. As an organization we serve to disseminate knowledge throughout the world about health and diseases of the pancreas. As part of this mission we host the meeting with sister societies in various host countries and societies around the globe. This year we have the pleasure of collaborating with the APA and its tireless Secretary Dr Ashok Saluja, its President Dr Darwin Conwell and the Board of the APA. Due to an unfortunate clash in schedule with Japan Digestive Disease Week, we will dearly miss many of our friends and colleagues from Japan this year. We will return to our usual schedule from next year. We deeply appreciate their understanding.

The leadership of IAP would like to share with you a few announcements about the IAP and its flagship journal Pancreatology. During the Miami meeting, I will hand over the Presidency of IAP to my worthy successor Prof Thomas Gress, PhD., Chair of Gastroenterology and Director, University Hospitals, University of Marburg in Marburg, Germany. Thomas brings a wealth of leadership experience and we look forward to continued growth of the IAP under his watch. I feel blessed to have had the opportunity to lead this truly international organization with a worldwide reach. We had the pleasure of jointly hosting last September an IAP meeting with the Latin-American Pancreatic Study Group held in Buenos Aires under the able management of Dr Maria-Ines Vaccaro, PhD and her Scientific Committee. We look forward to the hospitality and academic feast to be served by our South African colleagues lead by Drs Robert Bond and Graham Stapleton when they host the joint meeting in Cape Town next year.

We are very grateful to Prof Minoti Apte, MD, PhD as she completes her marathon term since 2009 as Editor-in-Chief of Pancreatology. Her hard work, dedication and sustained effort throughout her tenure are truly appreciated. Thank you Minoti! The Editorial role now has been transferred to me and Dr Miklos Sahin-Toth, PhD, Professor, Department of Molecular & Cell Biology and Vice Editor Prof. Kyoichi Takaori, MD from Kyoto University, Kyoto Japan. Please wish the new team success as they aspire to take Pancreatology to new heights as breakthroughs occur in many fields of pancreatic diseases.

Finally, this year’s annual Palade Prize, named after the 1974 Nobel Prize winner in Physiology or Medicine Dr George Palade, PhD, is being awarded to Prof Markus Lerch, MD, Professor of Medicine and Chairman of the University Department of Medicine A in Greifswald, Germany. With deep gratitude we bestow this fitting tribute on Markus for all that he has done for the field of pancreatology.

Once again welcome to Miami for what we promise will be a memorable joint meeting of the IAP and APA.

With regards and best wishes from IAP’s Executive Committee and Council

Suresh Chari, MD
President, International Association of Pancreatology
Professor of Medicine
Division of Gastroenterology and Hepatology
Mayo Clinic, Rochester MN USA
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 26.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

LEARNING OBJECTIVES

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

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

DOCUMENTATION OF ATTENDANCE FOR CME

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

EVALUATIONS & CREDIT ADJUSTMENT FORM

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

Disclosure and Conflict of Interest Resolution Statement

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

SUPPORTERS

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

Platinum Supporters
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Celgene Corporation
Akcea Therapeutics, Inc.
ChiRhoClin, Inc.

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EXHIBITORS

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

Sulagna Banerjee - University of Miami
Howard Crawford - University of Michigan
Carlos Fernandez-del Castillo - Harvard/MGH
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Masao Tanaka – Kyushu University, Japan
Margaret Tempero - University of California, SF
Christina Twyman-St. Victor – University of Pennsylvania
Aliye Uc – University of Iowa
Bechien Wu – Kaiser Permanente
MEETING AT A GLANCE

WEDNESDAY, OCTOBER 31
7:00 a.m. - 8:00 a.m. Breakfast
8:00 a.m. - 3:30 p.m. Pancreatitis and Pancreatic Cancer Induced Diabetes
12:00 p.m. - 1:00 p.m. Lunch
5:00 p.m. - 7:00 p.m. Hirshberg Opening Symposium: Microbiome and Pancreatic Cancer
7:00 p.m. - 9:00 p.m. Presidential Reception

THURSDAY, NOVEMBER 1
7:00 a.m. - 8:15 a.m. Breakfast & Poster Viewing
8:15 a.m. - 10:00 a.m. Pancreatic Cancer Abstract Session I
10:15 a.m. - 11:45 a.m. Mini Symposium: Necrotizing Pancreatitis
11:45 a.m. - 12:15 p.m. Paul Webster State of the Art Lecture
12:15 p.m. - 2:00 p.m. Lunch & Poster Session
2:00 p.m. - 3:15 p.m. Pancreatitis Abstract Session I
3:15 p.m. - 4:15 p.m. Mini Symposium: Advances in Therapeutics: Phase II Trial Updates and New Targets
4:45 p.m. - 6:00 p.m. Mini Symposium: Recurrent Acute and Chronic Pancreatitis
7:00 p.m. - 10:00 p.m. Reception & Awards Dinner

FRIDAY, NOVEMBER 2
7:00 a.m. - 8:15 a.m. Breakfast & Poster Viewing
8:30 a.m. - 10:00 a.m. Pancreatic Cancer Abstract Session II:
10:00 a.m. - 10:30 a.m. Frank Brooks State of the Art Lecture
10:45 a.m. - 12:00 p.m. Mini Symposium: Current Efforts Towards Early Detection of PDAC
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. - 3:00 p.m. George Palade State of the Art Lecture
3:15 p.m. - 4:15 p.m. Parallel Session: Preventing Drug-Induced Pancreatitis
3:15 p.m. - 4:15 p.m. Parallel Session: Hereditary PDAC
4:15 p.m. - 5:30 p.m. Parallel Session: Clinical Science Abstracts
4:15 p.m. - 5:30 p.m. Parallel Session: Basic Science Abstracts
7:00 p.m. - 9:00 p.m. Women in Pancreas Reception & Dinner

SATURDAY, NOVEMBER 3
7:00 a.m. - 8:15 a.m. Breakfast
8:15 a.m. - 9:30 a.m. Basic Pancreatolog Abstract Session
9:30 a.m. - 10:30 a.m. Parallel Session: PDAC Metabolism
9:30 a.m. - 10:30 a.m. Parallel Session: Therapeutics for Pancreatitis
10:45 a.m. - 12:00 p.m. Mini Symposium: Controlling Systemic Inflammation and Organ Failure in Acute Pancreatitis
12:00 p.m. - 1:00 p.m. PANCAN Young Investigator Symposium
1:00 p.m. - 2:00 p.m. Lunch

ONSITE REGISTRATION HOURS (Pompeii Lobby)
Wednesday, 10/31 7am – 7pm
Thursday, 11/1 7am – 5pm
Friday, 11/2 7am – 5pm
Saturday, 11/3 7am – 12pm
SOCIAL EVENTS

PRESIDENTIAL RECEPTION

Wednesday, October 31 | 7:00 pm – 9:00 pm Location | Eden Roc Garden

The Presidential Reception is held in honor of APA President Darwin L. Conwell.

AWARDS DINNER AND RECEPTION

Thursday, November 1 | 7:00 pm – 10:00 pm
Reception 7:00 pm – 8:00 pm Location | Eden Roc Garden
Dinner 8:00 pm – 10:00 pm Location | Eden Roc II

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 George Palade Award, the Distinguished Service and the Vay Liang & Frisca Go Award for Lifetime Achievement along with felicitation of Young Investigators awardees.

WOMEN IN PANCREAS RECEPTION AND DINNER

Friday, November 2, 7:00 pm – 9:00 pm Reception & Dinner Location | Mona Lisa

All women registered are invited to attend this event. RSVPs are requested at registration desk.

Keynote Speaker: Diane Simeone, MD, NYU Langone Health
Laura and Isaac Perlmutter Professor of Surgery, Department of Surgery
Professor, Department of Pathology
Director, Pancreatic Cancer Center
Associate Director, Translational Research, Perlmutter Cancer Center

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 and began to function in 2014.

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 foundation is the primary contributor 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
P.O. Box 352406
Miami, FL 33135
DISTINGUISHED SERVICE AWARD

Dana K. Andersen, MD, FACS
Dr. Andersen received his undergraduate and medical school training at Duke University, where he was a member of Alpha Omega Alpha, the medical honorary society. His research mentor at Duke was Hal Lebovitz, the Chief of Endocrinology, who taught him to question dogma and inspired him to include research in his career goals. Dr. Andersen remained at Duke for his residency training in both Internal Medicine and General Surgery, and became Board Certified in both specialties. He initially planned to become a Gastroenterologist, but a 6-month elective as a General Surgery resident convinced him that abdominal surgery was more interesting and more fun.

Dr. Andersen’s career is marked by decades of pioneering research and discoveries in the diagnosis and treatment of pancreatic diseases. At SUNY, he and his colleagues developed the method of isolated human pancreas perfusion. Cadaveric pancreata were not yet sought for islet transplantation, and organs were only available for in vitro perfusion studies. He continued his career as Chief of General Surgery for the University of Chicago where his lab found that membrane-bound GLUT2 was internalized by insulin in normal livers, but remained membrane-bound and therefore actively releasing glucose in livers of animals with chronic pancreatitis. In 1994, he was recruited to Yale University as Chief of Surgical Gastroenterology and Chief of General Surgery at Yale New Haven Hospital. At Yale, his division conducted one of the first studies showing that training on a virtual reality simulator resulted in an 85% reduction of intra-operative errors during laparoscopic cholecystectomy. The study, published in the Annals of Surgery, has been cited more than 2000 times in the medical literature. Clinically he worked with Mark Topazian and Fred Gorelick to develop organ-sparing excavation techniques to treat chronic pancreatitis and low-level malignancies of the pancreas. In 2001, he was recruited as the Haidak Professor and Chair of the Department of Surgery at the University of Massachusetts where he established a program for total pancreatectomy with islet auto-transplantation, and performed the first TPIAT procedure in New England. During his tenure, he was able to persuade Ashok Saluja to move to UMass as Professor of Surgery, Medicine, and Physiology where he immediately began studying something called HSP70, and its inhibitor, a botanical compound called triptolide. The rest, as they say, is history.

Dr. Andersen continued his legacy at Johns Hopkins as Vice-chair and Chief of Surgery at Hopkins Bayview Medical Center, where he was also President of the Medical Staff. In 2012, he joined the Division of Digestive Diseases and Nutrition at NIDDK where he currently serves as Scientific Program Manager. His focus at NIDDK has been on the development of research programs in pancreatic disease. The 2013 workshop on Pancreatitis-Diabetes-Pancreatic Cancer was instrumental in the development of the NIDDK-NCI co-sponsored Consortium for the Study of Pancreatitis, Diabetes, and Pancreatic Cancer (CPDPC). Dr. Andersen has served as President of the Association for Academic Surgery, was a recurring member of the Surgery, Anesthesiology and Trauma study section of the NIH, and is a co-editor of the popular textbook Schwartz’s Principles of Surgery. He is the recipient of the NCI Director’s Award of Merit, is a Trustee of the National Pancreas Foundation, and currently serves as an adjunct Professor of Surgery at Oregon Health and Science University in Portland, where he lives.

Having attended the meetings of the American Pancreatic Association since its days at the Ambassador West Hotel in Chicago, he is particularly grateful to the APA for the honor of being selected as the recipient of the Distinguished Service Award.
VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT

Martin Lewis Freeman, MD, FACG, FASGE

Dr. Freeman is a Professor of Medicine and Pediatrics at the University of Minnesota, where he is Chief of the Division of Gastroenterology, Hepatology and Nutrition, Medical Director of the program for Total Pancreatectomy and Islet Autotransplantation, and Director of the Advanced Pancreaticobiliary Endoscopy Fellowship. He obtained his undergraduate degree from Yale University and initially studied science with the intention to become a wildlife biologist; reflecting a lifelong passion for birds and wildlife. After very briefly considering a career as an electric guitarist, having played since age 12 – he instead chose a career in medicine, attending medical school at Columbia University and completing his internal medicine residency at the University of Minnesota.

After becoming faculty at Hennepin County Medical Center in Minneapolis, a University of Minnesota affiliate, he developed an interest in the then nascent field of interventional endoscopy. Although initially focused on biliary disease, his focus soon shifted to pancreatic disease; an area which was at that time thought to be devoid of meaningful intervention. He would soon lead a seminal multicenter study, published in the New England Journal of Medicine in 1996, which included the first multivariable model to predict risk factors for post ERCP pancreatitis.

Dr. Freeman then broadened his interest to pancreatic disease in general, with a special focus on acute, recurrent and chronic pancreatitis and, in 2006, coauthored the American College of Gastroenterology Guidelines for Management of Acute Pancreatitis with Peter Banks. In 2009, he moved to the University of Minnesota, then as interim Chief of the Division of Gastroenterology, Hepatology, and Nutrition, where he developed the advanced Pancreaticobiliary Endoscopy fellowship, and was awarded the “Master of Endoscopy” Award by the American Society for Gastrointestinal Endoscopy. He also became medical director of the program for Total Pancreatectomy with Islet Autotransplantation, a radical and now increasingly adopted approach. Dr. Freeman has authored more than 200 papers and 30 book chapters, as well as leading 3 key instructional DVDs for the American Society for Gastrointestinal Endoscopy focused on pancreatic interventions. However, his proudest legacy includes mentoring GI fellows and faculty in the field of pancreatology, some of whom have become leaders in their own right.

At the University of Minnesota, Dr. Freeman had the privilege of developing a lifelong collaboration and friendship with Ashok Saluja; and through Dr. Saluja, became involved with the American Pancreatic Association. The APA has offered Dr. Freeman perhaps his proudest achievement of integrating endoscopically focused interventions on the pancreas with the broader disciplines of medical pancreatology, surgery, and basic science. Through his involvement with the APA, he also organized the first international multidisciplinary symposium on Interventions for necrotizing pancreatitis in the era of minimally invasive and endoscopic therapy, resulting in a multi-author paper in Pancreas in 2012. In 2013, he had the special privilege of serving as President of the APA. During his tenure he co-chaired a one day international symposium on recurrent acute pancreatitis, which was published in Pancreas this year.

The Vay Liang & Frisca Go Award for Lifetime achievement in Pancreas is perhaps the greatest honor of Dr. Freeman’s career. He cannot thank the APA enough for the privilege of this honor, and for the opportunity to interact with the finest minds in the world!
Pancreatitis and Pancreatic Cancer Induced Diabetes
Program Committee Chairs | Darwin L. Conwell, Suresh Chari

Wednesday, October 31
Pompeii Ballrooms

7:00 – 8:00am  Breakfast | Non-CME event
Location | Mona Lisa

8:00 – 8:05am  Introduction | Darwin L. Conwell, MD, Ashok Saluja PhD, Suresh Chari, MD

8:05 – 8:15am  Classification of Diabetes Mellitus | Dana Andersen, MD

8:15 – 10:00am Pathogenesis of Diabetes: the Interplay between Insulin Resistance and Beta-cell Dysfunction
Moderator | Murray Korc, MD, Aliye Uc, MD

State of the Art Lecture
Alan Saltiel, PhD, University of California, San Diego
The Study and Pathogenesis of Insulin Resistance

Susan Bonner-Weir, PhD, Joslin Diabetes Center
Mechanisms of Beta cell Dysfunction

Rohit Kulkarni, MD, PhD, Harvard Medical School
Epitranscriptomics: An Emerging Layer of Regulation in Islet Biology

Amir Moheet, MD, University of Minnesota
Cystic Fibrosis-related Diabetes Mellitus: Epidemiology, Pathophysiology, and Management

Panel Discussion

10:00 – 10:15am Break
Location | Eden Roc I Foyer
10:15 – 12:15pm  **Pancreatic Cancer-related Diabetes Mellitus**
Moderator | Santhi Swaroop Vege, MD & Jo Ann Rinaudo, PhD

Jo Ann Rinaudo, PhD, National Cancer Institute
**Overview**

**State of the Art Lecture**
Murray Korc, MD, Indiana University
*Pathogenesis of Pancreatic Cancer-related Diabetes Mellitus*

Phil Hart, MD, Ohio State University, Wexner Medical Center
*Epidemiology of Diabetes in Pancreatic Cancer-related Diabetes Mellitus*

Eithne Costello-Goldring, PhD, University of Liverpool
*Biomarkers of Pancreatic Cancer-related Diabetes Mellitus*

Suresh Chari, MD, Mayo Clinic, Rochester
*Modelling to Identify Subjects with New-onset Diabetes at High Risk for Pancreatic Cancer*

Yu-Xiao Yang, MD, University of Pennsylvania
*Diabetes Mellitus and Pancreatic Cancer with Risk Stratification*

Panel Discussion

12:15 – 1:00pm  **Lunch** | Non-CME event
Location | Mona Lisa

1:00 – 2:15pm  **Acute Pancreatitis and Chronic Pancreatitis-related Diabetes Mellitus**
Moderator | Philip Hart, MD & Julia Mayerle, MD

**State of the Art Lecture**
Dhiraj Yadav, MD, MPH, University of Pittsburgh Medical Center
*Burden of Pancreatitis-related Diabetes: Current Knowledge and Future Directions*

Melena Bellin, MD, University of Minnesota
*Mechanisms of Hyperglycemia in Acute Pancreatitis- and Chronic Pancreatitis-related Diabetes Mellitus: Similarities and Differences*

Kieren Mather, MD, Indiana University
*Management of Acute Pancreatitis- and Chronic Pancreatitis-related Diabetes Mellitus: Research Gaps*

Panel Discussion
2:15 – 3:45pm  Diabetes and the Exocrine Pancreas
Moderator | Suresh Chari, MD

Ernesto Bernal Mizrachi, MD, University of Miami
*Insulin signaling: Crosstalk Between Acinar and Beta Cells*

Nils Ewald, MD, PhD, University of Giessen
*Changes in Exocrine Pancreatic Function in Type 1 and Type 2 Diabetes*

Shounak Majumder, MD, Mayo Clinic Rochester
*Clinical Significance of Diabetic Exocrine Panreatopathy*

Panel Discussion

49th ANNUAL MEETING

Wednesday, October 31

5:00 – 7:00 pm  Hirshberg Symposium:
Microbiome and Pancreatic Cancer
Location | Pompeii Ballroom
Moderator | Joe Hines, MD & Ashok Saluja, PhD

Christian Jobin, PhD, University of Florida College of Medicine
*The Far Reaching Impact of Intestinal Microbiota in Cancer*

George Miller, MD, NYU Medical Center
*Is Pancreatic Cancer an Infectious Disease?*

Vikas Dudeja, MD, University of Miami, Miller School of Medicine
*The Gut Feeling: Pancreatic Cancer-Gut Microbiome Connection*

Panel Discussion

7:00 – 9:00pm  Presidential Reception | Non-CME event
Location | Eden Roc Garden

*Sponsored by:

THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER
THURSDAY, November 1

7:00 – 8:15am

**Breakfast & Poster Viewing**

Breakfast | Non-CME event  
Location | Eden Roc II

Poster Viewing Session I (Non-CME event)  
Location | Eden Roc I

8:15 – 10:00am

**Pancreatic Cancer Abstract Session I**  
Location | Pompeii Ballroom  
Moderator | Min Li, PhD & David Whitcomb, MD, PhD

**CD200 Promotes Immunosuppression in the Pancreatic Tumor Microenvironment**  
Divisions of Gastroenterology, Hepatology and Nutrition, Department of Internal Medicine, Comprehensive Cancer Center, Center for Biostatistics, Division of Surgical Oncology, Department of Surgery, The Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, The Ohio State University, Columbus, OH.

**Time Course of Metabolic and Soft Tissue Changes in Pre-diagnostic Pancreatic Cancer**  
Divisions of Gastroenterology and Hepatology and Radiology, Mayo Clinic, Rochester, MN; Department of Biochemistry and Molecular Biology, Mayo Clinic, Jacksonville, FL.

**NetrinG1/NGL-1 Axis Promotes Pancreatic Tumorigenesis Through Cancer Associated Fibroblast Derived Nutritional Supply and Immunosuppression**  
Ralph Francescone III, Débora Barbosa Vendramini-Costa, Janusz Franco- Barraza, Jessica Wagner, Alexander Mui; Institute for Cancer Research, Fox Chase Cancer Center, Philadelphia, PA 19111, USA, Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology, 500 Main Street, Cambridge MA, 02139, USA.

**Manipulation of the Gut Microbiota Modulates Pancreatic Cancer Burden in Mice**  
Department of Surgery and Gastroenterology, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL.
Cholinergic Signaling via Muscarinic Receptors Directly and Indirectly Suppresses Pancreatic Tumorigenesis and Cancer Stemness
Bernhard W. Renz, Takayuki Tanaka, Masaki Sunagawa, Ryota Takahasi, Marina Macchini, Zahra Dantes, Klinikum der Universität München, Klinik für Allgemeine, Viszeral-, Gefäß-, und Transplantationschirurgie, Germany, Division of Digestive and Liver Diseases and Herbert Irving Comprehensive Cancer Center, Columbia University Medical Center, New York, USA Department of Medicine II, Klinikum Rechts der Isar, Technische Universität München, 81675 Munich, Germany

Tumor Expression of Insulin-like Growth Factor-1 Receptor is Associated with Disease Recurrence and Mortality in Resected Pancreatic Ductal Adenocarcinoma.
V. Morales-Oyarvide, C. Du, A. da Silva, A. Dias Costa, M.M. Kozak, R.F. Dunne. Department of Medical Oncology, Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA; Department of Oncologic Pathology, Dana-Farber Cancer Institute, Boston, MA; Department of Medical Oncology, National Cancer Center/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China. Department of Pathology, Brigham and Women’s Hospital and Harvard Medical School, Boston, MA; Department of Radiation Oncology, Stanford Cancer Institute, Stanford, CA; Department of Medicine, Division of Hematology and Oncology, Wilmot Cancer Institute, University of Rochester Medical Center, Rochester, NY

Alternative Splice Variants of DCLK1 in Pancreatic Tumor Cells Coordinates Macrophage Polarization and an Immunosuppressive Phenotype
P. Chandrakesan, N. Weygant, J. Panneerselvam, N. Ali, R. May, D. Qu, K. Pitts, S. Sureban, M. Bronze, M. Li, C.V. Roa and C. Houchen. Department of Medicine, OUHSC; Stephenson Cancer Center, OUHSC; COARE Biotechnology, Oklahoma City, OK VA of Oklahoma City, OK.

Germline Mutation Status as a Risk Factor for Neoplastic Progression Among High Risk Individuals Undergoing Pancreatic Surveillance

10:00 – 10:15am Break
Location | Eden Roc I Foyer
10:15 – 11:45am  Necrotizing Pancreatitis  
Location | Pompeii Ballroom  
Moderators | Yoshihisa Tsuji MD, PhD & Guru Trikudanathan MD, MBBS  

Hana Algul, MD, Technische Universitat Munchen  
*Modelling Necrotizing Pancreatitis – About Mice and Pigs*  

Vikesh Singh, MD, Johns Hopkins  
*What Predicts Mortality in Necrotizing Pancreatitis*  

Martin Freeman, MD, University of Minnesota  
*Interventions for Necrotizing Pancreatitis*  

Gregory Beilman, MD, University of Minnesota  
*ESGE Guidelines for Management of Necrotizing Pancreatitis*  

Fred Gorelick, MD, PhD, Yale School of Medicine  
*Future Directions*  

Panel Discussion  

11:45-12:15pm  Paul D. Webster State of the Art Lecture  
Location | Pompeii Ballroom  
Moderator | Ashok Saluja, PhD  

Nageshwar Reddy, MD, Asian Institute of Gastroenterology, Hyderabad, India  
*Five Decades of the Pancreatobiliary Endoscopy – The Changing Scenario*  

12:15 – 2:00pm  Lunch & Poster Session | Non-CME event  
Location | Eden Roc II  

Poster Session  
Location | Eden Roc I  

*Guided viewing of the posters of distinction – 1-2pm  
Meet at Registration Location | Pompeii Ballroom Lobby*  

Pancreatitis Posters: Rodger Liddle, Anna Gukovskaya  
Pancreatic Cancer Posters: O. Joe Hines, Srikant Anant
Posters of Distinction

P1-1
Targeting RNA-G Quadruplex Dependent Translation of KRAS as Therapeutics in Pancreatic Cancer
Presenting Author: Kamini Singh

P1-2
Lipopolysaccharide Reduces Cancer Recurrence and Metastasis in an Mouse Model of Pancreatic Cancer
Presenting Author: Anthony Ferrantella

P1-3
Scheduled Outpatient and Inpatient Opioid Use Leads to Long-Term Use in Patients with Early Chronic Pancreatitis
Presenting Author: Christopher Fan

P1-4
Metabolic Reprogramming with β-alanine to Overcome Chemotherapy Resistance in Pancreatic Cancer
Presenting Author: Danny Yakoub

P1-5
Cyclic AMP Response Element-binding Protein (CREB) Regulates Fibrosis in Alcoholic Pancreatitis
Presenting Author: Supriya Srinivasan

P1-6
Pancreatic Ductal Adenocarcinoma Is Associated With Elevated Peripheral Blood Monocyte Counts
Presenting Author: Ayush Sharma

P1-7
Pancreatic Triglyceride Lipase (PNLIP) Converts Mild Acute Pancreatitis (AP) into a Lethal Disease
Presenting Author: Cristiane de Olivera

P1-8
New Onset Pre-diabetes: Clue to Pre-diagnostic Pancreatic Cancer
Presenting Author: Harika Kandlakunta

P1-9
Engineering the Mouse Cationic Trypsinogen for Selective Activation by Cathepsin B
Presenting Author: Alexandra Demcsak
P1-10
Pancreatic Acinar Carcinoma has Distinct Mutation Patterns than PDAC and Neuroendocrine Tumor
Presenting Author: Yan Bi

P1-11
Absence of B and T Cells does not Affect Development and Severity of Chronic Pancreatitis.
Presenting Author: Hassam Cheema

P1-12
Naltrexone and Methyl Naltrexone Reduce the Severity of Chronic Pancreatitis in Mouse Models.
Presenting Author: Ejas Palathingal Bava

P1-13
Activation of Sonic Hedgehog (Shh) Pathway Leads to Fibrosis in Mouse Models of Chronic Pancreatitis.
Presenting Author: Mohammad Tarique

P1-14
Metastasis-associated Fibroblasts Promote Tumor-angiogenesis in Metastasized Pancreatic Cancer via the Il-8 and the CCL2 Biological Axes
Presenting Author: Thomas Pausch

P1-15
PAD4 Mediated Neutrophil Extracellular Traps (NETs) Promote Platelet Aggregation and Worsen Severity of Acute Pancreatitis
Presenting Author: Brian Boone

P1-16
Association of Acinar Secretion and Autophagosome Formation via AP3-derived Clathrin Coated Vesicles
Presenting Author: Michelle Cooley

P1-17
Highly Exothermic Fatty Acid-membrane Phospholipid Interaction Results in Immune Cell Death Which Underlies Development of Infected Pancreatic Fluid Collections (PFCs).
Presenting Author: Biswajit Khatua

P1-18
GAS5 Induces Quiescence in Cancer Stem Cells by Preventing Anabolic Pathways from Fueling Proliferation.
Presenting Author: Nikita Sharma
P1-19
**Gut Microbiota Depletion Attenuates Pancreatic Cancer Metastases**
Presenting Author: Saba Kurtom

P1-20
**Systematic Review of Initial Recurrence Pattern After Resection for Pancreatic Cancer – Can we Predict Properly?**
Presenting Author: Masayuki Tanaka

2:00 – 3:15pm
**Pancreatitis Abstract Session I**
Location | *Pompeii Ballroom*
Moderators | Kazushige Uchida, MD, PhD & Maisam Abu-El-Haija, MD

**Pancreatic Stellate Cell Activation is Mediated Through the SIN3a/HDAC Repressive Complex**
J.F. Eisses, A. Mukherjee S.Z. Husain. Division of Pediatric Gastroenterology, UPMC Children’s Hospital of Pittsburgh, University of Pittsburgh School of Medicine, Pittsburgh, PA.

**A Step-up Approach or Open Necrosectomy for Necrotizing Pancreatitis: Long-term Follow-up of a Randomized Trial**
R.A. Hollemans, Dept. of Surgery, Dept. of Radiology; University Medical Center Utrecht, Utrecht, the Netherlands

**Pirfenidone Treatment Promotes Reversal of Well-established Chronic Pancreatitis in Mouse Models**
E.P. Bava, John George, A. Nikam, M. Tarique, H. Cheema, U. Hooda, R. Dawra, A. Saluja, V. Dudeja. Department of Surgery and Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Miami, FL, Department of Internal Medicine, Yale New Haven Health, Bridgeport Hospital

**Exocrine Pancreatic Function Determines Major Shifts in Intestinal Microbiota Composition and Diversity**
F. Frost, T. Kacprowski, M. Rühlemann, R. Bülow, J.P. Kühn, A. Franke, F.A. Heinsen, M. Pietzner, M. Nauck U. Völker, H. Völzke, A.A. Aghdassi, M. Sendler, J. Mayerle, F.U. Weiss, G. Homuth, M.M. Lerch. Department of Medicine, Functional Genomics, Interfaculty Institute for Genetics and Functional Genomics, and Diagnostic Radiology and Neuroradiology, University Medicine Greifswald, Greifswald, Germany; Chair of Experimental Bioinformatics, TUM School of Life Sciences Weihenstephan, Technical University of Munich, Freising, Germany; Institute of Clinical Molecular Biology, Christian Albrechts University of Kiel, Kiel, Germany; Institute of Radiology, University Medicine, Carl-Gustav-Carus University, Dresden, Germany; Institute of Clinical Chemistry and Laboratory Medicine.
Disordering of Endo-lysosomal System in Pancreatitis
O.A. Mareninova, I. Yakubov, I. Gukovsky, A.S. Gukovskaya. VA Greater Los Angeles Healthcare System and University of California at Los Angeles, CA

Factors Associated with Frequent Opioid Use in Children with Acute Recurrent or Chronic Pancreatitis
E.R. Perito, T. Palermo, J. Pohl, M. Mascarenhas, M. Abu-El-Haija, B. Barth, M. Bellin, University of California San Francisco, San Francisco, CA, USA; Seattle Children’s Hospital, Seattle, WA, USA; University of Utah, Salt Lake City, UT, USA; Children’s Hospital of Philadelphia, Philadelphia PA, USA; Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA; University of Texas Southwestern Medical School, Dallas, TX, USA; University of Minnesota Masonic Children’s Hospital, Minneapolis, Minnesota, USA;

3:15 – 4:15pm
Advances in Therapeutics: Phase II Trials Updates and New Targets
Location | Pompeii Ballroom
Moderator | Naohiro Sata, MD, PhD & Walter Park, MD

State of the Art Lecture
Margaret Tempero, MD, Helen Diller Family Comprehensive Cancer Center
Advances in Adjuvant and Neoadjuvant therapy

Gregory Beatty, MD, PhD, University of Pennsylvania
Opportunities in Immunotherapy

Eileen O’Reilly, MD, Memorial Sloan Kettering Cancer Center
Exploring Novel Targets

Panel Discussion

4:15 – 4:30pm
Break
Location | Eden Roc I Foyer
4:30 – 6:00pm  **Recurrent Acute and Chronic Pancreatitis**
Location | *Pompeii Ballroom*
Moderator | Dhiraj Yadav, MD, MPH & Aditi Bhargava, PhD

Ashok Saluja, PhD, University of Miami Miller School of Medicine
*Chronic Pancreatitis – Evolving Understanding of Pathogenesis*

Miklos Sahin-Toth, MD, PhD and Andrea Geisz, PhD, Boston University
*Role of Genetics in Recurrent Acute and Chronic Pancreatitis*

Santhi Vege, MD, Mayo Clinic, Rochester
*Drug Trials in Pancreatitis*

Aliye Uc, MD, Stead Family Department of Pediatrics
*Pediatric Pancreatitis – The INSPIRE study*

Greg Cote, MD, PhD, Medical University of South Carolina
*Endoscopic Intervention for iRAP/Minor Papillotomy for Pancreas Divisum – The SHARP Trial*

Melena Bellin, MD, University of Minnesota
*The POST Trial*

Panel Discussion

7:00 – 10:00pm  **Awards Dinner & Reception | Non-CME event**
Reception 7:00 – 8:00 pm
Location | *Eden Roc Garden*
Dinner 8:00 – 10:00 pm
Location | *Eden Roc II*

Sponsored by:
**Abbvie Inc.**
FRIDAY, November 2

7:00 – 8:15am  Breakfast & Poster Viewing
Breakfast| Non-CME event
Location | Eden Roc II
Poster Viewing Session II (Non-CME event)
Location | Eden Roc I

8:30 – 10:00 am  Pancreatic Cancer Abstract Session II
Location | Pompeii Ballroom
Moderator | Aida Habtezion, MD & Thomas Mace, PhD

Pancreatic Cyst Surveillance Imposes Low Psychological Burden: Preliminary Results of the PACYFIC Study (BEST OF EPC)

Delineating Prognostic and Biological Subgroups in Pancreatic Cancer Using Patient Transcriptomic Profiles
S. Sharma, S. Kaur, J. Iqbal, L. Smith, S.K. Batra. University of Nebraska Medical Center, Department of Pathology and Microbiology, College of Public Health, Fred and Pamela Buffet Cancer Center, University of Nebraska Medical Center, Omaha, NE.

Radical Surgery for Locally Advanced Pancreatic Cancer after Neoadjuvant Treatment: Resection Margin Status and its Prognostic Impact

Hypoxia Mediated L-2-Hydroxyglutarate Accumulation Regulate Self-Renewal in Pancreatic Cancer
V.K. Gupta, N. Sharma, K. Kesh, R. Hadad, B. Durden, V. Dudeja, A. Saluja, S. Banerjee. Department of Surgery, University of Miami Miller School of Medicine, Miami, FL.

Surgical and Patient-Centered Outcomes after Pancreatic Resection for Screening-Detected Lesions in High-Risk Individuals for Pancreatic Cancer
M.I. Canto, T. Kerdsiricharat, M. Ford, M.G. Goggins, A. Blackford, A.A. Javed, T. Abe, R.H. Hruban, A.M.O. Lennon, A.P. Klein, I.R. Kamel, E.K. Fishman, M.J. Weiss, C.J. Yeo, R.D. Schulick, C. L. Wolfgang. Departments of Medicine (Gastroenterology), Pathology, Radiology, and Surgery, Johns Hopkins Medical Institutions, Baltimore, MD; Department of Surgery, Thomas Jefferson University, Philadelphia, PA; Department of Surgery, University of Colorado, Aurora, CO.
SetD2 is a Barrier to Inflammation- and Kras-driven Acinar-to-Ductal Metaplasia and PanIN Formation
P. Lu, N. Niu, Y. Sun, L. Li, J. Xue, State Key Laboratory of Oncogenes and Related Genes, Stem Cell Research Center, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China; Department of Biliary-Pancreatic Surgery, Renji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China; School of Biomedical Engineering and Med-X Research Institute, Shanghai Jiao Tong University, Shanghai, China

Hs-CRP, Albumin and CA19-9 after Neoadjuvant Therapy Predict Postoperative Survival in Borderline Resectable Pancreatic Ductal Adenocarcinoma
A. Nurmi, H. Mustonen, U.H. Stenman, C. Haglund, H. Seppänen. Departments of Surgery and Clinical Chemistry, University of Helsinki, Helsinki University Hospital, Finland, Research Programs Unit, Translational Cancer Biology, University of Helsinki, Finland.

10:00-10:30am
Frank Brooks State of the Art Lecture
Location | Pompeii Ballroom
Moderator | Darwin Conwell, MD
Timothy Wang, MD, Columbia University
The Role of Nerves and Inflammation in Pancreatic Cancer

10:30 - 10:45am
Break
Location | Eden Roc I Foyer

10:45 - 12:00pm
Current Efforts Towards Early Detection of PDAC
Location | Pompeii Ballroom
Moderator | Yoshifumi Takeyama, MD, PhD & Zobeida Cruz-Monserrate, PhD
Aatur D. Singhi, MD, PhD, University of Pittsburgh
An Update on Pancreatic Cystic Biomarkers for the Early Detection of Pancreatic Cancer
Somashekar G. Krishna MD, The Ohio State University
EUS-guided Confocal Endomicroscopy for the Differentiation of Pancreatic Cystic Lesions
Diane Simeone, MD, New York University
Who is at Risk? An Improved Strategy to Identify and Screen High Risk Individuals
Thomas Gress, PhD, University of Marburg, Germany
Screening for Pancreatic Cancer, Lessons from Familial Pancreatic Cancer: The Marburg FaPaCa-registry Experience
Panel Discussion
12:00 – 2:00 pm  **Lunch & Poster Session**  |  *Non-CME event*

**Location | Eden Roc II**

**Poster Session Location | Eden Roc I**

**Guided viewing of the posters of distinction – 1-2pm**

**Meet at registration Location | Pompeii Ballroom Lobby**

**Pancreatitis Posters: Fred Gorelick, Vijay Singh**
**Pancreatic Cancer Posters: Murray Kore, Carlos Fernandez-Del Castillo**

**Posters of Distinction**

**P2-1**  
**Carboxypeptidase Mutation Causes Misfolding and Chronic Pancreatitis in Mice**  
Presenting Author: Eszter Hegyi

**P2-2**  
**Wnt/β-catenin Signaling Plays Diverse Functions During the Process of Fibrotic Remodeling in the Exocrine Pancreas.**  
Presenting Author: Johanna Laukkarinen

**P2-3**  
**Assessment of Perioperative Body Composition at Bioimpedance Vector Analysis (BIVA) predicts Morbidity following Pancreatic Resection for Cancer**  
Presenting Author: Marta Sandini

**P2-4**  
**Stromal Fibrosis in Tumor Periphery of Pancreatic Ductal Adenocarcinoma Following Neoadjuvant Chemotherapy Predicts Patient Outcome**  
Presenting Author: Yoko Matsuda

**P2-5**  
**Surgical Techniques and Complications in Children and Adults Undergoing Total Pancreatectomy with Islet Autotransplantation: Updates from POST**  
Presenting Author: Jamie Nathan

**P2-6**  
**Temporal Relationship Between SIRS, Organ Failure and Death in Acute Pancreatitis: Data From a Large, Multicenter, International Study (APPRENTICE Study Group)**  
Presenting Author: Amir Gougol

**P2-7**  
**A Zinc Transporter ZIP4 Promotes Pancreatic Cancer Cell Adhesion, Proliferation and Spheroid Formation through Activating Zinc Dependent Transcription Factor (ZEB1)-Integrin-EGFR Signaling Axis.**  
Presenting Author: Mingyang Liu
P2-8
In the Setting of Asparaginase Exposure in Pancreatic Acinar Cells, Asparagine
Synthetase Maintains Acinar Cell Homeostasis at Baseline and Upregulates to
Mitigate Cell Injury
Presenting Author: Amitiva Mukherjee

P2-9
A Unique Role for Calcineurin Derived from Bone Marrow versus Pancreas in the
Setting of Acute Pancreatitis
Presenting Author: Li Wen

P2-10
Reconsidering Lymphadenectomy for Locoregional Resectable Non-functioning
Pancreatic Neuroendocrine Tumors
Presenting Author: Susanna de Geus

P2-11
Deletion and Insertion Mutations in the Gene Encoding the Digestive Enzyme
Carboxyl Ester Lipase (CEL): A Role in Pancreatic Disease?
Presenting Author: Anny Gravdal

P2-12
Acute Pancreatitis in the United States: A Decade of Outcomes;
Presenting Author: Paul Kroner

P2-13
Is Chronic Pancreatitis in Children a Multifactorial Disease?
Presenting Author: Grzegorz Oracz

P2-14
Using Patient-derived PDAC Cells to Understand c-MYC Involvement in the Drug
Resistance Mechanism of Pancreatic Cancer
Presenting Author: Erika Parasido

P2-15
Pancreas-specific SNAP23 Depletion Impairs Acinar Cell Exocytosis and Activates
Autophagy
Presenting Author: Subhankar Dolai

P2-16
Development on an Indicator of Pancreatic-Leakage to Prevent Postoperative
Pancreatic Fistula
Presenting Author: Thomas Pausch

P2-17
The Pancreatitis Activity Scoring System and Timing of Oral Refeeding in Acute
Pancreatitis
Presenting Author: Akihiko Satoh
P2-18
Utility of Arginine Stimulation Testing in the Pre-operative Assessment of Children Undergoing TPIAT.
Presenting Author: Kendall McEachron

P2-19
Lrig1 Positive Epithelial Cells Within PDGs Identify a Unique Mesenchymal Progenitor Compartment
Presenting Author: Pinaki Mondal

P2-20
Role of NRF2 in the Inflammatory Response of Acute Pancreatitis
Presenting Author: Olga Mareninova

P2-21
Pancreatic ERCP Training is Inadequate and Infrequently Performed in Independent Practice: Results from a Prospective Multicenter Study Evaluating Learning Curves and Competence among Advanced Endoscopy Trainees
Presenting Author: Samuel Han

2:00 - 2:30pm  Business Meeting (Non-CME event)
Location | Pompeii Ballroom

Presidential Address Darwin Conwell, MD
Secretary-Treasurer's Report Ashok K. Saluja, PhD
Report from the Nominating Committee

2:30 - 3:00pm  George Palade State of the Art Lecture
Location | Pompeii Ballroom
Moderator | Suresh Chari, MD & Thomas Gress, PhD

Markus Lerch, MD, FRCP, University of Greifswald
The Cellular Pathogenesis of Pancreatitis

3:00 – 3:15pm  Break
Location | Eden Roc II Foyer
3:15 - 4:15pm  **Parallel Session: Preventing Drug-Induced Pancreatitis**  
**Location | Pompeii Ballroom**  
**Moderator | Sohail Husain, MD & Mark Lowe, MD, PhD**  
Joyce Korvick, MD, Food and Drug Administration (FDA)  
*M Monitoring Drug-Induced Pancreatitis: Perspectives from the FDA*  
Thomas Leth Frandsen, PhD, University Hospital of Copenhagen  
*Asparaginase-associated Pancreatitis: A Major Problem for a Crucial Leukemia Drug*  
Jennifer Goldman, MD, The Children’s Mercy Hospital  
*M Methods of Pharmacovigilance for Drug-induced Pancreatitis*  
Panel Discussion

3:15 - 4:15pm  **Parallel Session: Hereditary PDAC**  
**Location | Mona Lisa**  
**Moderator | Andrew Rhim, MD & Diane Simeone, MD**  
Nicholas Roberts, PhD, Johns Hopkins Medicine  
*M Discovery of Pancreatic Cancer Susceptibility Genes*  
Michael Goggins, MD, Johns Hopkins Medicine  
*M Familial Pancreatic Cancer: Recent Discoveries and Clinical Implications*  
Gloria Petersen, PhD, Mayo Clinic, Rochester  
*M Susceptibility Mutations in Pancreatic Cancer Patients*  
Panel Discussion

4:15 - 5:30pm  **Parallel Session: (Clinical Science Abstracts)**  
**Location | Mona Lisa**  
**Moderator | George Papachristou, MD, PhD & Gregory Beilman, MD**  
**Keynote | Yi Miao, MD, PhD**  
*Reappraisal of Artery Invasion in Pancreatic Cancer*  
Histopathological Changes of Pancreatic Cancer Stroma Induced by nab-Paclitaxel  
Validation of Pancreatitis Activity Scoring System (PASS) in a Large, Prospective, Multicenter US Cohort (APPRENTICE Consortium)
P. Paragomi, I. Pothoulakis, V.K. Singh, T. Stevens, H. Nawaz, J. Easler, S.J. Thakkar, G.A. Cote, P.J. Greer, X. Tang, A. Gougol, G.I. Papachristou, B.U. Wu. University of Pittsburgh Medical Center, Pittsburgh, PA; Johns Hopkins University, Baltimore, MD; Cleveland Clinic, Cleveland, OH; Eastern Maine Medical Center, Bangor, ME; Indiana University School of Medicine, Indianapolis, ID; Allegheny Health Network, Pittsburgh, PA; Medical University of South Carolina, Charleston, SC. Kaiser Permanente, CA.

Comparison of Clinical Scoring Systems and Biomarkers for Early Prediction of Severe Acute Pancreatitis
N. Shi, X. Zhang, T. Jin, L. Li, W. Cai, X. Yang, L. Yao, R. Zhang, T. Liu, Z. Lin, K. Jiang, J. Guo, X. Yang, L. Deng, V. K. Singh, J.A. Windsor, R. Sutton, W. Huang, Q. Xia. Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre and West China-Liverpool Biomedical Research Centre, West China Hospital, Sichuan University, China; Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Medical Institutions, Baltimore, MD; Department of Surgery, School of Medicine, Faculty of Medical and Health Sciences, University of Auckland, New Zealand; Liverpool Pancreatitis Study group, Institute of Translational Medicine, University of Liverpool, UK

Pancreatic Secretory Trypsin Inhibitor (SPINK1) Gene Mutation in Patients with Acute Alcohol Pancreatitis (AAP) Compared to Healthy Controls and Heavy Alcohol Users without Pancreatitis
A. Nikkola, K.H. Herzig, K. Mäkelä, S.J. Mutt, T. Lehtimäki, M. Kähönen, O. Raitakari, I. Seppälä, P. Paakkanen, H. Seppänen, N. Isto, J. Sand, J. Laukkanen. Departments of Gastroenterology and Alimentary Tract Surgery, Clinical Chemistry and Clinical Physiology, Tampere University Hospital, Tampere, Finland; Faculty of Medicine and Life Sciences, University of Tampere, Finland; Research Unit of Biomedicine and Biocenter of Oulu, University of Oulu, Oulu, Finland; Department of Clinical Physiology and Nuclear Medicine, Turku University Hospital, Finland; Department of Surgery, Helsinki University Hospital, Helsinki, Finland; Päijät-Häme Central Hospital, Lahti, Finland.

Confocal Laser Endomicroscopy Detection of Advanced Neoplasia in IPMNs: An International External Interobserver and Derivation Study
S.G. Krishna, J.M. Dewitt, C.J. Dimaggio, P. Kongkan, B. Napoleon, M.O. Othman, D. Tan, S. El-Dika, S. McCarthy, J. Walker, M.E. Dillhoff; A. Manilchuk, P.A. Hart, Z. Cruz-Monserrat, D.L. Conwell. Divisions of Gastroenterology, Hepatology and Nutrition and Surgical Oncology, The Ohio State University Wexner Medical Center, Columbus, OH; Division of Gastroenterology, Department of Medicine, Indiana University Hospital, Indianapolis, IN; Division of Gastroenterology, Icahn School of Medicine at Mount Sinai, NY; Department of Medicine, Faculty of Medicine, King Chulalongkorn Memorial Hospital, Chulalongkorn University, Bangkok, Thailand; Department of Gastroenterology, Ransay Générale de Santé, Hôpital privé Jean Mermoz, Lyon, France; Section of Gastroenterology and Hepatology, Department of Medicine, Baylor College of Medicine, Houston, TX; Department of Gastroenterology and Hepatology, Singapore General Hospital, Singapore; Department of General Surgery, The Ohio State University Wexner Medical Center, Columbus, OH.
Outcomes of Endoscopic Therapy in Patients with Acute Recurrent Idiopathic Pancreatitis Associated With and Without Pathogenic Gene Variants
T. Kerdsirichairat, M. Faghih, N.Y. Jalaly, O. Brewer Gutierrez, C. Fan, A. Kamal, V.S. Akshintala, C. Walsh, M.A. Makary, A. N. Kalsoo, V. Kumbhari, M. A. Khashab, V.K. Singh Divisions of Gastroenterology and Hepatology and Surgical Oncology, Department of Surgery, Johns Hopkins Medical Institutions, Baltimore, MD.

Parallel Session: (Basic Science Abstracts)
Location | Pompeii Ballroom
Moderator | Miklos Sahin-Toth, MD, PhD & Guy Groblewski, PhD

SHP2 is Required for Panin Development and PDAC Progression
F. Messaggio, N. Nagathihalli, N. Merchant, and M.N. VanSaun. Department of Surgery, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, FL.

Chymotrypsin Protects Against Cerulein-induced Pancreatitis in Mice
Z. Jancso, M. Sahin-Toth. Department of Molecular and Cell Biology, Boston University Medical Center, Boston, MA.

Effective Experimental Therapeutics in A Novel Humanized Animal Model of Hereditary Pancreatitis
F. Gui, Y. Zhang, X. Zhan, J. Wan, J. Chen, X. Zhu, A. Haddock, Y. Li, L. Zhang, S. Pandol, C. Logsdon, Y. Bi,B. Ji. Department of Cancer Biology and Gastroenterology, Mayo Clinic, Jacksonville, FL; Department of Pathology, Mayo Clinic, Rochester, MN; Department of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA; Department of Cancer Biology, MD Anderson Cancer Center, Houston, TX.

Genetic Deletion of AMPK Leads to Mitochondrial Dysfunction, Elevated Hif1-α and Pancreatic Injury That Worsens With Age
C. Shugrue, E. Schmidt, M. Foretz, B. Viollet, F. Gorelick. Department of Internal Medicine, Section of Digestive Diseases, Institut Cochin, INSERM, Paris, France, Veterans Administration Connecticut Healthcare, West Haven and Department of Cell Biology, Yale University School of Medicine, New Haven, CT

Tff2+ Cells in the PDG Compartment Regenerate the Main Duct Epithelia After Inflammatory Injury
V. Kansal, P. Mondal, D. Maroni, K.L. McAndrews, J. D. Price, S.P. Thayer. Surgical Oncology, University of Nebraska Medical Center, Fred & Pamela Buffet Cancer Center, Omaha, NE.

Simvastatin Induces Mitophagy and Restores Cerulein Impaired Phagosome-lysosome Fusion to Reduce the Severity of Acute Pancreatitis
H. Piplani, S.M. Iannucci, J. Germano, J. Hou, J. Sin, Y. Sang, A. Gulla, B.U. Wu, R.T. Waldron, A. Lugea, A.M. Andres, R.A. Gottlieb, S.J. Pandol Smidt Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA; Departments of Medicine and Pathology, Cedars-Sinai Medical Center, Los Angeles, CA; Department of Surgery, MedStar Georgetown University Hospital; Vilnius University Hospital Santaros Klinikos, Lithuania; Center for Pancreatic Care, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA.
5:30 – 6:00pm  
**International Association of Pancreatology Business Meeting**  
Location | *Pompeii*

7:00 – 9:00pm  
**Women in Pancreas Reception & Dinner** | *Non-CME event*  
Location | *Mona Lisa*

*A Declaration of Sentiments*

Keynote Speaker | Diane Simeone, MD, NYU Langone Health  
*Laura and Isaac Perlmutter Professor of Surgery, Department of Surgery*  
*Professor, Department of Pathology*  
*Director, Pancreatic Cancer Center*  
*Associate Director, Translational Research, Perlmutter Cancer Center*

Co-chairs | Aida Habtezion, MD, MSc, Sulagna Banerjee, PhD, Aliye Uc, MD

**Sponsored by:**  
*Abbvie Inc.*
7:00 – 9:00pm

**Women in Pancreas Reception & Dinner | Non-CME event**

Location | *Mona Lisa*

*A Declaration of Sentiments*

Keynote Speaker | Diane Simeone, MD, NYU Langone Health
*Laura and Isaac Perlmutter Professor of Surgery, Department of Surgery*
*Professor, Department of Pathology*
*Director, Pancreatic Cancer Center*
*Associate Director, Translational Research, Perlmutter Cancer Center*

Co-chairs | Aida Habtezion, MD, MSc, Sulagna Banerjee, PhD, Aliye Uc, MD

**Sponsored by:**

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SATURDAY, November 3

7:00 – 8:15am  Breakfast
Location | Eden Roc II

8:15 – 9:30am  Basic Pancreatology Abstract Session
Location | Pompeii Ballroom
Moderators | Vikas Dudeja, MD & Pramod Garg, MD

Disruption of endosomal trafficking by knockout of Tumor Protein D52 results in acinar damage and proliferation independent of an immune response.

Impaired Bacterial Clearance Underlies the Progression of Sterile to Infected Necrosis and Sepsis
A. Bag, B. Khatua, C. de Oliveira, V.P. Singh. Department of Medicine, Mayo Clinic, Scottsdale, AZ.

PMCA Pump Dysfunction Leads to Ca²⁺ Overload and Pancreatic Ductal Epithelial Cell Damage in Cystic Fibrosis
T. Madacsy, A. Varga, A. Schmidt, J. Fanczal, P. Pallagi, Z. Rakonczay, P. Hegyi, Z. Razga, A. Kleger, I. Nemeth, M. Gray, J. Maleth. University of Szeged, First Department of Medicine; MTA SZTE Momentum Epithel Cell Signalling and Secretion Research Group, Szeged, Hungary; University of Szeged, Department of Pharmacology, Szeged, Hungary; University of Szeged, Department of Pathophysiology, Szeged, Hungary; University of Pécs, Institute for Transl. Med. & 1st Dep. of Medicine, Pécs, Hungary; MTA-SZTE Transl. Gastroenterology Research Group, Szeged, Hungary; University of Szeged, Department of Pathology, Szeged, Hungary; Department of Internal Medicine I, University Medical Center Ulm, Ulm, Germany; University of Szeged, Department of Dermatology, Szeged, Hungary; Newcastle University, Institute for Cell and Molecular Biosciences, Newcastle, United Kingdom.

High-Efficient Pancreatic Specific Gene Manipulation in FLPo Transgenic Mice
X. Zhu, F. Gui, J. Chen, J. Wan, Y. Bi, B. Ji Departments of Cancer Biology and Gastroenterology and Hepatology, Mayo Clinic, Jacksonville, FL.

The SNARE Priming Factor Calcium-Dependent Activator Protein for Secretion 2 (CAPS2) Regulates Trypsinogen Trafficking and Exocrine Pancreas Homeostasis
S.W. Messenger, S.E. Maciuba, T.F. Martin. Department of Biochemistry, University of Wisconsin, Madison, WI.

Pancreatic Atrophy and Dysfunction after Total Gastrectomy
Y. Takeyama, S. Satoi, I. Katsumoto, Y. Kimura, T. Yasuda. Divisions of Hapato-Biliary-Pancreatic Surgery and Upper Gastrointestinal Surgery, Department of Surgery, Kindai University Faculty of Medicine, Osaka, Japan.
9:30 – 10:30am **Parallel Session: PDAC Metabolism**
Location | *Eden Roc I*
Moderator | Carlos Fernandez-Del Castillo & Melena Bellin, MD

Igor Astsaturov, MD, PhD, Fox Chase Cancer Center
*Cholesterol Metabolism Regulates Pancreatic Carcinogenesis and Differentiation*

Costas Lyssiotis, PhD, University of Michigan Medical School
*Metabolic Networks in the Pancreatic Tumor Microenvironment*

Sulagna Banerjee, PhD, University of Miami Miller School of Medicine
*Hexosamine biosynthesis pathway and self-renewal: Sweet road of survival in pancreatic cancer stem cells*

Kyoichi Takaori, MD, PhD, Kyoto University, Japan
*Maintenance of the exocrine pancreas and development of PDAC and IPMN with special reference to SOX9 expression*

Panel Discussion

9:30 – 10:30am **Parallel Session: Therapeutics for Pancreatitis**
Location | *Pompeii Ballroom*
Moderators | Cheryl Gariepy, MD & Luis Lara, MD

Chris Forsmark, MD, University of Florida
*An Update on the Management of Exocrine Pancreas Insufficiency*

Andres Gelrud, MD, Baptist Health Systems
*Diagnosis and Treatment Options for Hyperlipidemic Pancreatitis*

Vijay Singh, MD, Mayo Clinic, Scottsdale, AZ
*Role of Fatty Acids and Strategies to Counter their Effects*

Panel Discussion

10:30 – 10:45am Break
Location | *Eden Roc I Foyer*
10:45 – 12:00pm  
**Controlling Systemic Inflammation and Organ Failure in Acute Pancreatitis**
Location | Pompeii Ballroom  
Moderator | Darwin Conwell, MD & Stephen Pandol, MD

Pramod Garg, MD, All India Institute of Medical Sciences  
*Why Do We Need to Target Systemic Inflammation and Where Are We?*

Julia Mayerle, MD, Munich Germany  
*Cytokines and How to Target Them*

Sohail Husain, MD, University of Pittsburgh  
*Role of Calcium in Early Inflammatory and Mitochondrial Events in Pancreatitis*

Peter Hegyi, MD, Pecs, Hungary  
*Early Energy Supplementation to Prevent Organ Failure*

Panel Discussion

12:00 – 1:00pm  
**PANCAN Young Investigator Symposium**
Location | Pompeii Ballroom  
Moderator | Nipun Merchant, MD & Kevin Staveley O’Carroll, MD

Andrew Aguirre, MD, PhD, Dana-Farber Cancer Institute  
*Molecular and Functional Subtypes of Pancreatic Cancer*

Eugene Koay, MD, PhD, MD Anderson Cancer Center  
*Changes in Mass Transport as a Biomarker of Response in Pancreatic Cancer*

Amber Simpson, PhD, Memorial Sloan-Kettering Cancer Center  
*Next Generation Imaging: A Machine-learning Approach to Predicting Malignancy in IPMN*

1:00 - 2:00pm  
**Lunch** | Non-CME event  
Location | Eden Roc II
Posters | Thursday, November 1

P1-21
Effects of SBP-101 in a Mouse Model of Cerulein-induced Acute Pancreatitis
Sun BioPharma, Inc., Minneapolis, MN; 2Cedars Sinai Medical Center, Los Angeles, CA.

P1-22
Mastl regulates EGFR signaling to promote pancreatic cancer progression
I. Fatima, S. Chauhan, J. Uppada, G. Talmon, A. B. Singh, S. K. Batra, P. Dhawan. Department of Biochemistry and Molecular Biology, Department of Pathology, VA Nebraska-Western Iowa Health Care System, Omaha, NE, Buffet Cancer Center, University of Nebraska Medical Center, Omaha, NE,

P1-23
Serum CA19-9 as Predictor in Preoperative Parameters for Resectable Pancreatic Adenocarcinoma

P1-24
Characteristics of Postoperative Pancreatic Fistula on CT Scan: A Multicenter Cohort Study
F.J. Smits, C.L. Kok, C.H. van Eijck, T.L. Bollen, F. Wessels, B. Groot Koerkamp, O.R. Busch, M.G. Besselink, H.C. van Santvoort, I.Q. Molenaar on behalf of the Dutch Pancreatic Cancer Group. Department of Surgery, Regional Academic Cancer Center Utrecht, University Medical Center Utrecht, and St Antonius Hospital Nieuwegein, Heidelberglaan, Utrecht, The Netherlands; Department of Surgery, Erasmus Medical Center, Rotterdam, The Netherlands; Department of Radiology, St. Antonius ziekenhuis, Nieuwegein, The Netherlands; Department of Radiology, UMC Utrecht Cancer Center, University Medical Center Utrecht, Utrecht, The Netherlands; Department of Surgery, Academic Medical Center, Amsterdam, The Netherlands; Department of Surgery, St. Antonius ziekenhuis, Nieuwegein, The Netherlands.

P1-25
Efficient Systemic Treatment with Mesothelin-Targeted Oncolytic Adenovirus in Patient-Derived Xenograft (PDX) Model of Pancreatic Cancer
M. Sato-Dahlman, P. Hajeri, H. Yoshida, K. Jacobsen, C. Yanagiba, M. Yamamoto. Department of Surgery, University of Minnesota, Minneapolis, MN

P1-26
Genome Profiling and Development of Personalized Therapy for Esophagogastric Adenocarcinoma
H. Kuasne, H. Zhao, D. Zuo, M. Souleimanova, V. Pilon, A. Monast, A.M. Fortier, Y. Stern, C. Martinez Ramírez, M. Issac, N. Bertos, S. Bailey, J. Cools-Lartigue, A. Bass, L. Ferri, M. Park, V. Sangwan. Rosalind and Morris Goodman Cancer Research Center, Departments of Surgery, Medicine, Biochemistry, Pathology, McGill University, Montreal, Canada; Research Institute, McGill University Health Center, Montreal, Canada; Dana Farber Cancer Institute, Harvard University, Boston, MA.

P1-27
Portal Vein Complications after PV / SMV Resection and Reconstruction in Pancreatic Surgery
P1-28
Role of NLRP3 Inflammasome in the Severity of Chronic Pancreatitis in Mouse Models
U. Hooda, M. Tarique, V. Ramakrishnan, M. Kashyap, H. Cheema, E.P. Bava, R. Dawra, V. Dudeja, A. Saluja. Department of Surgery and Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Miami, Florida.

P1-29
Radiofrequency ablation plus stenting vs. stenting alone in the treatment of pancreatic cancer and cholangiocarcinoma

P1-30
R.K. Verma, W. Yu, A. Shrivastava, R.K. Srivastava, S. Shankar. Kansas City VA Medical Center, Kansas City, MO. St. Joseph's Hospital and Medical Center, Phoenix, AZ. Stanley S. Scott Cancer Center, Department of Genetics, Louisiana State University Health Sciences Center, New Orleans, LA.

P1-31
Characterization of a Mouse Model of Early Chronic Pancreatitis
K. Priyam, M.K. Sharma, T.G. Jacob, P.K. Garg, T.S. Roy. Departments of Anatomy and Gastroenterology, All India Institute of Medical Sciences, New Delhi.

P1-32
A CDKN2A (p16) Mutation Associated with Familial Pancreatic Cancer Reduces Protein Stability and Functionality

P1-33
Small Intestinal Bacterial Overgrowth in Chronic Pancreatitis: A systematic Review and Meta-analysis
B. El Kurdi, L. Al-Momani, M. El-Iskandarani, M. Young. Department of Internal Medicine, East Tennessee State University, Johnson City, TN, Department of Gastroenterology, East Tennessee State University, Johnson City, TN.

P1-34
A Novel Matrisome Signature Predicts Overall Survival in PDAC
K. Honselmann, D. Birnbaum, S. Begg, F. Pascal, D. Birnbaum, F. Bertucci, D. Ting, E. Tai, C. Monsalve, M. Mino-Kenudson, K.D. Lillemoe, C. Fernandez-del Castillo, A. Warshaw, A. Liss. Departments of Surgery and Pathology, Massachusetts General Hospital and Harvard Medical School, Boston, MA; Department of Surgery, University Medical Center Schleswig-Holstein, Campus Luebeck, Luebeck, Germany; Department of Surgery and Molecular Oncology, Marseille Cancer Research Center, Paoli- Calmettes Institute, Aix-Marseille University, Marseille, France; MGH Cancer Research Center, Harvard Medical School, Boston, MA.

P1-35
Visceral Artery Pseudoaneurysm in Necrotizing Pancreatitis: Incidence and Outcomes at a High-Volume Center
P1-36
**Pancreatic Cancer is Associated with a Unique Endocrinopathy Distinct from Type 2 Diabetes Mellitus**
S.J. Singh Nagpal, H.Kandlakunta, A. Sharma, S.K. Sannapaneni, P. Velamala, S. Majumder, A. Matveyenko, S. Chari. Division of Gastroenterology and Hepatology and Islet Regeneration Center, Mayo Clinic, Rochester, MN.

P1-37
**Bacterial Resistance in Islet Preparations for Total Pancreatectomy with Islet Cell Auto- transplantation; Selecting the Optimal Antibiotics**
K. Colling, A. Coughlan1, J.J. Wilhelm, G. Beilman. Division of Critical Care & Acute Care Surgery, Department of Surgery, University of Minnesota, Minneapolis, MN, The Schulze Diabetes Institute, University of Minnesota, Minneapolis, MN.

P1-38
**Does prompt work up for acute pancreatitis interrupt the natural history of pancreatic cancer?**
H. Kandlakunta, A. Sharma, S. Jiv S. Nagpal, S.T. Chari. Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN

P1-39
**Targeting O GlcNAc Modification of SOX2 Affects Self-renewal in Pancreatic Cancer**
N. Sharma, V.K. Gupta, P. Dauer, K.K. Kesh, R. Hadad, V. Dudeja, A. Saluja, S. Banerjee. Department of Surgery, University of Miami Miller School of Medicine, Miami, FL.

P1-40
**Activity of Heat Shock Protein- 70 Gene Promoter Polymorphism and Acute Pancreatitis**
A. Gulla, K. Suopelyte , A. Kasarinaite, S. Jarmalaitė, K. Strupas. Department of Gastroenterology, Surgery, Nephrology, Vilnius University Hospital “Santaros Klinikos”, Vilnius, Lithuania; Faculty of Medicine, Vilnius University, Vilnius, Lithuania; Department of Surgery, Georgetown University Hospital, Washington DC; Division of Human Genome Research Centre, Institute of Biosciences, Life Sciences Center, Vilnius University.

P1-41
**CCK Receptor Antagonist Therapy Decreases Inflammation & Fibrosis in Chronic Pancreatitis**
S. Nadella, V. Ciofoaia, H. Cao, B. Kallakury, R. Tucker, J.P. Smith. Departments of Medicine and Pathology, MedStar Georgetown University Hospital, Washington DC; Department of comparative medicine, Georgetown University, Washington DC. 4Department of Oncology, Lombardi Cancer Center, Georgetown University, Washington DC.

P1-42
**Micro-RNAs Effectors of Gastrin: Cholecystokinin Signaling Axis in Pancreatic Cancer (PDAC)**
S. Nadella, M. Huber, M. Zamanis, J. Wang, N. Shivapurkar, R. Tucker, H. Cao, J. Smith. Department of Medicine, MedStar Georgetown University Hospital, Washington DC; Department of Oncology, Lombardi Cancer Center, Georgetown University, Washington DC; Department of comparative medicine, Georgetown University, Washington DC.

P1-43
**Chymotrypsin Like Protease 1 Knockout Mouse**
D. Mosztbacher, Z. Jancso, M. Sahin-Toth. Department of Molecular and Cell Biology, Boston University, Henry M. Goldman School of Dental Medicine, Boston, MA

P1-44
**Stroma Drive Metabolic Reprogramming and Induces Stemness Properties in Pancreatic Cancer Cells**
K. Kesh, V. Gupta, P. Dauer, N. Sharma, R. Hadad, V. Dudeja, A. Saluja, S. Banerjee. Division of Surgical Oncology, Department of Surgery, University of Miami Miller School of Medicine, Miami, FL.
P1-45
**Endosonographic Changes in the Pancreas are Common in Patients with New-Onset Diabetes Mellitus**
J. de la Fuente, W.R. Bamlet, M.J. Levy, N. Takahashi, J.G. Fletcher, S.T. Chari, S. Majumder. Departments of Internal Medicine, Biostatistics, and Diagnostic Radiology, Mayo Clinic, Rochester, MN; Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

P1-46
**Obesity is Associated with Increased Healthcare Utilization in Hospitalized Patients with Pancreatic Cancer**
Z. Cruz-Monserrate, O. Crowe, A. Lahooti, S. Krishna, H. Hussan, P.A. Hart, M.S Abouergi, D. Conwell. Division of Gastroenterology, Hepatology, and Nutrition; The Ohio State University Wexner Medical Center, Columbus, OH; Catalyst Medical Consulting, Simpsonville, SC; Division of Gastroenterology, Department of Internal Medicine, University of South Carolina School of Medicine, Columbia, SC.

P1-47
**The Tumorigenic Roles of Mutant KRasg12d Isoforms in Pancreatic Cancer**
J. Chen, A. Haddock, F. Gui, J. Wan, X. Zhu, Y. Bi, B. Ji. Departments of Cancer Biology and Gastroenterology and Hepatology, Mayo Clinic, Jacksonville FL.

P1-48
**Nationwide Trends in Hospital Readmissions, Predictors and Healthcare Utilization in Patients with Pancreatic Cancer**
S.K. Garg, S. Sarvepalli, H. Goyal, H. Kandlakunta, M. Sanaka. Division of Gastroenterology & Hepatology, Mayo Clinic, Rochester, MN; Department Of Gastroenterology, Cleveland clinic, Cleveland, OH; Mercer University School of Medicine, Macon, GA.

P1-49
**Incidence, Admission Rates, Economic Burden and Predictors of Adult Emergency Visits for Pancreatic Cancer, Data from the National Emergency Department Sample, 2006 to 2014**
S.K. Garg; S. Sarvepalli; H.Goyal; H. Kandlakunta1; M. Sanaka. Division of Gastroenterology & Hepatology, Mayo Clinic, Rochester, MN; Department of Gastroenterology, Cleveland clinic, Cleveland, OH; Mercer University School of Medicine, Macon, GA

P1-50
**Nationwide Trends in Opiate-related Hospitalizations in Patients with Chronic Pancreatitis**
S.K. Garg, S. Sarvepalli, H. Goyal, H. Kandlakunta, M. Sanaka. Division of Gastroenterology & Hepatology, Mayo Clinic, Rochester, MN; Department of Gastroenterology, Cleveland Clinic, Cleveland, OH; Mercer University School of Medicine, Macon, GA.

P1-51
**Systemic Anticoagulation is Associated with Decreased Mortality and Morbidity in Acute Pancreatitis**
P. Kroner, M. Raimondo, M. Wallace, B. Ji, Y. Bi. Department of Gastroenterology and Cancer Biology, Mayo Clinic, Jacksonville, FL.

P1-52
**Depletion of Neutrophils After Development of Acute Pancreatitis Does not Reduce Worsening of Pancreatic Injury due to Morphine Treatment**
H. Cheema, M. Tarique, U. Barlass, U. Hooda, M. Kashyap, E.P. Bava, S. Roy, V. Dudeja, R. Dawra, A. Saluja. Department of Surgery and Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Miami, FL; Department of Gastroenterology & Hepatology, Rush University Medical Center, Chicago, IL.
P1-53
**Mechanistic Implications of Trefoil Factor 1 (TFF1) in Pancreatic Cancer Chemoresistance**
R. Jahan, K. Ganguly, L.M. Smith, I.A. Sheikh, Y. Sheinin, M.A. Macha, M. Polland, S. Kaur, S.K. Batra. Departments of Biochemistry and Molecular Biology, Biostatistics, Pathology and Microbiology, Otolaryngology/Head and Neck Surgery, Buffett Cancer Center, Eppley Institute for Research in Cancer and Allied Diseases, University of Nebraska Medical Center, Omaha, NE; King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia; Nebraska Wesleyan University, Lincoln, NE.

P1-54
**Medicaid or Uninsured Status is an Independent Risk Factor for Mortality in Patients with Pancreatic Ductal Adenocarcinoma**
D. Mukhija1 and D.P.S. Sohal. Departments of Internal Medicine and Hematology and Oncology, Cleveland Clinic, Cleveland, OH.

P1-55
**Activation of Muscarinic Receptor 3 on Pancreatic Acinar Cells Causes Both Acute and Chronic Pancreatitis**
J. Wan, F. Gui, J. Chen, X. Zhu, A.N. Haddock, P. Wang, Y. Bi, B. Ji. Department of Cancer Biology and Division of Gastroenterology and Hepatology, Mayo Clinic, Jacksonville, FL; Department of Cell Systems & Anatomy, University of Texas Health San Antonio, TX.

P1-56
**P2 Receptor Blocking Reduces the Severity of Chronic Pancreatitis in Mouse Models**
A. Nikam, E. Bava, S. Lavania, R. Dawra, V. Dudeja, A. Saluja. Department of Surgery and Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Miami, FL.

P1-57
**Contribution of CXCR3/CXCL4 Signaling Axis to Pancreatic Ductal Adenocarcinoma Metastasis**
A. Cannon, C. Thompson, R. Bhatia, B. Hall, S. Kumar, S.K. Batra. Departments of Biochemistry and Molecular Biology and General Surgery; Fred and Pamela Buffet Cancer Center, University of Nebraska Medical Center, Omaha, NE.

P1-58
**Minimally Invasive and Endoscopic Methods of Treatment of Postnecrotic Pseudocysts of Pancreas and Separated Focuses of Necrosis**
N. Omelchuk. Ivano-Frankivsk national medical university, Ivano-Frankivsk, Ukraine.

P1-59
**Surface Characterization of Seromic Oncosomes for the Early Diagnosis of Pancreatic Cancer**
J. Carmicheal, C. Hayashi, X. Huang, L. Liu, Y. Lu, A. Krasnoslobodsev, A. Lushnikov, P.G. Kshirsagar, A. Patel, M. Jain, Y.L. Lyubchenko, Y. Lu, S.K. Batra, and Sukhwinder Kaur. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE; Department of Electrical and Computer Engineering, University of Nebraska-Lincoln, Lincoln, NE; Department of Physics University of Nebraska at Omaha, Omaha, NE; Nanoimaging Core Facility, College of Pharmacy, University of Nebraska Medical Center, Omaha, NE.

P1-60
**Targeting IL-1α Processing and Release to Reverse Epithelial-To-Mesenchymal Transition and Inhibit Invasion in Pancreatic Cancer**
A. Dosch, X. Dai, F. Messaggio, A. Gaidarski, S. Srinivasan, M. VanSaun, N. Nagathihalli, and N.B. Merchant. Department of Surgery, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, FL.
P1-61
Determinants of Depression and Its Impact on Quality of Life in Patients with Chronic Pancreatitis

P1-62
Is There a Difference Between Severe and Very-Severe Hypertriglyceridemia (HTG) in Patients with the Triad of HTG Acute Pancreatitis (HTG) and Diabetes Ketoacidosis (DKA)?
C.R. Simons-Linares, J. Estevez, J.J. Vargo, T. Stevens, P. Chahal. Gastroenterology and Hepatology Department, Digestive Disease Institute, Cleveland Clinic Foundation, Cleveland, OH.

P1-63
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C. Lawson, B. Marchand, D. Arsenault, M. Groleau, L.H. Tai, M.J. Boucher. Department of Anatomy and Cell Biology, University of Sherbrooke Gastroenterology Unit, Department of Medicine, University of Sherbrooke, Sherbrooke, Canada.

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S.Sarvepalli, S.M. Sarvepalli, M.Parikh, P.N. Thota, M.R. Sanaka. Departments of Hospital Medicine and Gastroenterology and Hepatology, Cleveland Clinic, Cleveland, OH; Department of Bioinformatics, Vanderbilt University, Nashville, TN; College of Liberal Arts and Sciences, University of Michigan, Ann Arbor, MI

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C.H. Li, C.H. Wong, J. Hung-Man Tong, K.F. To, Y. Chen. School of Biomedical Sciences, Faculty of Medicine, The Chinese University of Hong Kong, Shatin, NT, Hong Kong, China; Department of Anatomical and Cellular Pathology, Prince of Wales Hospital, The Chinese University of Hong Kong, Shatin, Hong Kong; Shenzhen Research Institute, The Chinese University of Hong Kong, Shenzhen, China.
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Institute of Biochemistry and Molecular Medicine (IBIMOL-CONICET), School of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina.

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M. Matsumoto, K. Kamei, K. Kawaguchi, Y. Takeyama. Division of Hepato-Biliary-Pancreatic Surgery, Department of Surgery, Kindai University Faculty of Medicine, Osaka, Japan

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W. Yu, Y. Ma, S. Shankar, R.K. Srivastava. Kansas City VA Medical Center, Kansas City, MO; Departments of Pathology, School of Medicine, University of Missouri-Kansas City, Kansas City, MO; Department of Pharmaceutical Sciences, University of Missouri-Kansas City, Kansas City, MO; Stanley S. Scott Cancer Center, Department of Genetics, Louisiana State University Health Sciences Center, New Orleans, LA.

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Z.G. Pesei, B.C. Németh, E. Hegyi1, A. Szentesi, Á. Vineze, D. Kelemen, P. Hegyi, M. Sahin-Tóth. Boston University Medical Campus, Boston; University of Szeged, First Department of Medicine, Szeged, Hungary; Institute for Translational Medicine, University of Pecs Medical School, Pecs Hungary; Divisions of Gastroenterology and Translational Medicine, First Department of Medicine, University of Pecs Medical School, Pecs, Hungary; Department of Surgery, University of Pecs Medical School, Pecs, Hungary; Hungarian Academy of Sciences - University of Szeged, Momentum Gastroenterology Multidisciplinary Research Group, Szeged, Hungary.

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B.C. Németh, T. Takács, P. Hegyi, M. Sahin-Tóth. First Department of Medicine, University of Szeged, Szeged, Hungary; Department of Translational Medicine, Medical School, University of Pécs, Pécs, Hungary; Boston University Medical Center, Boston, MA.
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**Female Sex and Renalase Deletion Both Result in More Severe and Prolonged Pancreatitis**
T. Kolodecik, G. Desir, F. Gorelick. Section of Digestive Diseases, Department of Internal Medicine, Yale University School of Medicine, New Haven, CT; Departments of Cell Biology and Nephrology, Yale University School of Medicine, New Haven, Connecticut; Veterans Administration Connecticut Healthcare, West Haven, CT.

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L. Wen, T.A. Javed, D. Yimlamai, A. Mukherjee, X. Xiao, S.Z. Husain. Departments of Pediatric Gastroenterology and Surgery, University of Pittsburgh and the Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA.
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G.G. Xiao, Y. Pan, G. Gao, J. Liu, W. Wen, P.W.N. Lee, V.W. Go. School of Pharmaceutical Science and Technology, Dalian University of Technology, Dalian, China; Xiangya Medical College, Chinese Southern University, Changsha, China; Agi Hirshberg Center for Pancreatic Diseases at University of California Los Angeles, UCLA School of Medicine, Los Angeles, CA; Creighton University Medical Center, NE.

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D. Wang, J.A. Barkin, J.S. Barkin. Division of Gastroenterology, Department of Medicine, Midwestern University School of Osteopathic Medicine, Glendale, AZ; Division of Gastroenterology, Department of Medicine, University of Miami Miller School of Medicine, Miami, FL.

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J.A. Barkin, J.C. Tsai, M. Alsante, D.A. Sussman, J.S. Barkin. Division of Gastroenterology, Department of Medicine, University of Miami Miller School of Medicine, Miami, FL; North Chicago, IL; National Pancreas Foundation, Bethesda, MD.

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R. Sánchez-Alvarez, M.D. Sans, B. Nelson, J.A. Williams, J.I.E. Bruce. Division of Cancer Sciences, School of Medical Sciences, Faculty of Biology, Medicine and Health, The University of Manchester, Manchester, UK; Department of Molecular and Integrative Physiology, University of Michigan, Ann Arbor, MI.

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C.R. Simons-Linares, S. Abushama, A. Bhatt, T. Stevens, M. Bartel, P. Chahal. Gastroenterology and Hepatology Department, Digestive Disease Institute, Cleveland Clinic Foundation, Cleveland, OH; Section of Gastroenterology, Fox Chase Cancer Center, Temple Health, Philadelphia, PA.

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C.R. Simons-Linares, S. Abushama, A. Bhatt, T. Stevens, R. O’Shea, P. Chahal. Gastroenterology and Hepatology Department, Digestive Disease Institute, Cleveland Clinic Foundation, Cleveland, OH.

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D. Barnett, Y. Liu, B. Staal, K. Partyka, Z. He, Y. Huang, A. Singhi, R.R. Drake, A. Maitra, R.E. Brand, B.B. Haab. The Van Andel Research Institute, Grand Rapids, MI; Michigan State University, East Lansing, MI; Fred Hutchinson Cancer Research Center, Seattle, WA; University of Pittsburgh Medical Center, Pittsburgh, PA; Medical University of South Carolina, Charleston, SC; The University of Texas MD Anderson Cancer Center, Houston, TX.

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K. El Jellas, S.M. Haslam, M.H. Choi, A. Dell, B.B. Johansson, K. Fjeld, A. Molven. Gade Laboratory for Pathology, Department of Clinical Science, University of Bergen, Norway; Departments of Pathology, Pediatrics and Adolescent Medicine, and Medical Genetics, Haukeland University Hospital, Bergen, Norway; Department of Life Sciences, Imperial College London, London, United Kingdom.

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A. Boucher, T.M. Jenkins, L. Luchman-Jones, J.S. Palumbo, T.K. Lin, M. Abu-El-Hajia, J.D. Nathan. Division of Hematology, Cancer and Blood Diseases Institute, Pediatric Surgery, and Gastroenterology, Hepatology and Nutrition Cincinnati Children's Hospital Medical Center, Cincinnati, OH.

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R. Ahola, J. Sand, J. Laukkarinen. Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; University of Tampere, Tampere, Finland.

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M. Gil; A. Gomes; R.V. Martins; A. João; V. Nunes. Faculty of Medicine, University of Lisbon; HBP Surgery, Hospital Prof. Doutor Fernando Fonseca.

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P.T. Kröner, H. Wadei, A.C. Rodriguez, M.Raimondo. Department of Gastroenterology and Transplant Nephrology, Mayo Clinic, Jacksonville, FL.

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M.J. Wright, J. Teinor, D. Ding, R.A. Burkhart, J.L. Cameron, J. He, M.J. Weiss, C.L. Wolfgang, A.A. Javed. The John L. Cameron Division of Hepatobiliary and Pancreatic Surgery, The Johns Hopkins Hospital, Baltimore, MD.

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Surgical Resection of 78 Pancreatic Solid-Pseudopapillary Neoplasms: A 30-Year Single Institutional Experience
M.J. Wright, A.A. Javed, R.A. Burkhart, J. He, M.A. Makary, J.L. Cameron, M.J. Weiss, C.L. Wolfgang. The John L. Cameron Division of Hepatobiliary and Pancreatic Surgery, The Johns Hopkins Hospital, Baltimore, MD.

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Activation of Free Fatty Acid Receptors 1 and 4 Increases YAP Activity in Pancreatic Cancer Cells
H.H. Chang, L. Ayoub, E. Wang, O.J. Hines, E. Rozengurt, and G. Eibl. Department of Surgery and Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA.

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M. Weniger, J. Moir, M. Damm, L. Maggino, M. Kordes, J. Rosendahl, G. Ceyhan, S. Schorn, and the RESPECT-study group; D. Schmid, J.G. D’Haese, S. Böck, S. Kruger, M. Haas, F. Röder, M. del Chiaro, M. Löh, D. Tamburrino, S. Westermark, M. Sund, G. Masini, P. Maisonneuve, G. Mallo, R. Salvia, R. Charnley. Department of General, Visceral, and Transplantation Surgery, Ludwig Maximilians University, Munich, Germany; Departments of Hepatopancreatobiliary and Transplant Surgery, Freeman Hospital, Newcastle upon Tyne, UK; Department of Gastroenterology, University Hospital Halle/Saale, Halle, Germany; Unit of General and Pancreatic Surgery, Department of Surgery and Oncology, University of Verona Hospital Trust, Verona, Italy; Department of Clinical Science, Intervention and Technology, Karolinska Institutet, Stockholm, Sweden; Department of Surgery, Klinikum rechts der Isar, Technical University Munich, Munich, Germany; Department of Internal Medicine III and Comprehensive Cancer Center, Ludwig Maximilians University, Munich, Germany; Department of Radiation Oncology, Ludwig Maximilians University, Munich, Germany; Pancreatic Surgery Unit, Division of Surgery, Department of Clinical Science, Intervention and Technology (CLINTEC), Karolinska Institutet, Stockholm, Sweden; Pancreatic Surgery Unit, Pancreas Translational & Clinical Research Center, San Raffaele Scientific Institute, "Vita-Salute" University, Milan, Italy; Department of Surgical and Perioperative Sciences, Umeå University, Umeå, Sweden; Department of Epidemiology and Biostatistics, European Institute of Oncology, Milan, Italy.

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J.I.E. Bruce, A.D James, P. Sritangos, T. Attard, L. Barrett, and I-W. Oh. Division of Cancer Sciences, School of Medical Sciences, Faculty of Biology, Medicine and Health, University of Manchester, United Kingdom.
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Y. Ando, K. Ohuchida, A. Yonenaga, S. Kibe, S. Takesue, M. Nakayama, K. Shindo, T. Moriyama, K. Nakata, Y. Miyasaka, T. Ohtsuka, K. Mizumoto, M. Nakamura. Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka, Japan; Department of Endoscopic Diagnostics and Therapeutics, Kyushu University Hospital.

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X. Yang, L. Yao, N. Shi, X. Chen, C. Hu, X. Yang, D. Du, T. Liu, J.I. Brue, S.J. Pandol, R. Sutton, W. Huang, Q. Xia. Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre and West China-Liverpool Biomedical Research Centre, West China Hospital, Sichuan University, China; West-China-Washington Mitochondria and Metabolism Centre, West China Hospital, Sichuan University; Faculty of Biology, Medicine and Health, The University of Manchester, UK; Cedars-Sinai Medical Centre, Los Angeles, California; Liverpool Pancreatitis Study group, Institute of Translational Medicine, University of Liverpool, UK.

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Involvement of Basophils in Patients with Type 1 Autoimmune Pancreatitis  
M. Yanagawa, K. Uchida, K. Okazaki. The Third Department of Internal Medicine, Division of Gastroenterology and Hepatology, Kansai Medical University, Japan.

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C.R. Dike, B. Zimmerman, M. Wilschanski, S.L. Werlin, D. Troendle, U. Shah, S.J. Schwarzenberg, S. Rhee, J. Pohl, E.R. Perito, C.Y. Ooi, J. D. Nathan, V.D. Morinville, B. McFerron, M. Mascarenhas, A. Mabool, Q. Liu, T.K. Lin, S.Z. Husain, R. Himes, M.B. Heyman, T. Gonska, M.J. Giefer, C.E. Gariepy, S.D. Freedman, D.S. Fishman, M. Bellin, B. Barth, M. Abu-El-Haija, M.E. Lowe, A. Uc. University of Iowa, Iowa City, IA; Hadassah Hebrew University Hospital, Jerusalem, Israel; MCW, Milwaukee, WI; UTSW, Dallas, TX; MGH Children's, Boston, MA; University of Minnesota, Minneapolis, MN; UCSF, San Francisco, CA; University of Utah, Salt Lake City, UT; UNSW, Sydney, NSW, Australia; Cincinnati Children’s Hospital Medical Center, Cincinnati, OH; Montreal Children’s Hospital, Montreal, QC, Canada; Riley Hospital for Children, Indianapolis, IN; CHOP, Philadelphia, PA; Cedars-Sinai Medical Center, Los Angeles, CA; University of Pittsburgh, Pittsburgh, PA; Baylor College of Medicine, Houston, TX; Hospital for Sick Children, Toronto, ON, Canada; Seattle Children’s Hospital, Seattle, WA; Nationwide Children's Hospital, Columbus, OH; Harvard Medical School, Boston, MA; Washington University School of Medicine, St Louis, MO.
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**Plasma suPAR may help to Distinguish Malign and Benign Pancreatic Diseases**
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**Endo180 Expression and Histologic Categorization in Cancer Stroma is an Independent Prognostic Index in Pancreatic cancer**
K. Koikawa, K. Ohuchida, A. Yonenaga, A. Sagara, Y. Ando, S. Kibe, S. Takesue, H. Nakayama, C. Iwamoto, K. Shindo, T. Moriyama, K. Nakata, Y. Miyasaka, T. Ohtsuka, K. Mizumoto, M. Nakamura. Departments of Surgery and Oncology and Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

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**Pancreas-specific Secretory Pathway Calcium ATPase 2 Affects Calcium Influx and ER Calcium Stores Through Store-Operated and Store-Independent Calcium Entry**
M. Fenech, M. Carter, C. Pin. Children’s Health Research Institute; Departments of Pediatrics, Physiology and Pharmacology and Oncology; Schulich School of Medicine & Dentistry, Western University, London, ON, Canada.

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**Fully Covered Self-Expanding Metal Stents for Benign Refractory Pancreatic Duct Strictures in Chronic Pancreatitis: Long-Term Outcomes**
T. Korpela, M. Udd, O. Lindström, L. Kylänpää. Gastroenterological Surgery, Abdominal Center, Helsinki University Hospital and University of Helsinki, Helsinki, Finland.

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**Results of First-Round of Surveillance in Individuals at High-Risk of Pancreatic Cancer from the AISP (Italian Association for the Study of the Pancreas) Registry**
S. Paiella, G. Capurso, G.M. Cavestro, G. Butturini, R. Pezzilli, R. Salvia, M. Signoretti, S. Crippa, S. Carrara, I. Frigerio, C. Bassi, M. Falconi, E. Iannicelli, A. Giardino, R.A. Zupparo, A. Laghi, L. Laghi, L. Frulloni, A. Zerbi on behalf of the Italian Association for the Study of the Pancreas (AISP) Department of General and Pancreatic Surgery, University of Verona, Verona, Italy; Digestive and Liver Disease Unit and Radiology Unit, S. Andrea Hospital, University Sapienza, Rome, Italy; Gastroenterology and Gastrointestinal Endoscopy Unit and Pancreatic Surgery Unit, Vita-Salute San Raffaele University, IRCCS Ospedale San Raffaele Scientific Institute, Milan, Italy; Casa di Cura Pederzoli Hospital, Pancreatic Surgery Unit, Peschiera del Garda, Italy; Internal Medicine, University of Bologna, Bologna, Italy; Istituto Clinico Humanitas, Gastrointestinal Endoscopy, Milano, Italy; Hereditary Cancer Genetics Clinic, Humanitas Clinical and Research Center, Milano, Italy; Gastroenterology B Unit, Pancreas Institute, University of Verona, Verona, Italy; Pancreatic Surgery Unit, Humanitas Clinical and Research Center, Milano, Italy.
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Validating an ex vivo Model of Human Acute Pancreatitis
B. Hasdemir, G. Szot, and A. Bhargava. Departments of Ob-Gyn, Transplant Surgery, and The Osher Center, University of California San Francisco, San Francisco, CA.

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Localization of Exosomal miR-21 and Difference in Expression of miR-21 by Treatment
K. Nakamaru, T. Tomiyama, T. Ikeura, K. Uchida, K. Okazaki. The Third Department of Internal Medicine, Kansai Medical University, Osaka, Japan.

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The Long Non-coding RNA GSTM3TV2 Enhances Drug Resistance in Pancreatic Cancer by Negatively Modulating Let-7 and EGFR
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Management of Postoperative Complications may Favor the Centralization of also Distal Pancreatectomies
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Urine Trypsinogen-2 Dipstick Test in Diagnosis of Post-ERCP Pancreatitis
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**βIII Tubulin is a Brake for External Cell-Death Signalling and Regulates TRAIL Sensitivity in Pancreatic Cancer**
J. Kokkinos, G. Sharbeen, J. McCarroll, C. Boyer, A. Akerman, J. Youkhana, T.P. Davis, D. Goldstein, P.A. Phillips. Pancreatic Cancer Translational Research Group, Lowy Cancer Research Centre, School of Medical Sciences and Prince of Wales Clinical School, UNSW Sydney, NSW, Australia; Children’s Cancer Institute, Lowy Cancer Research Centre, UNSW Sydney, NSW, Australia; Australian Centre for Nanomedicine (ACN), ARC Centre of Excellence in Convergent Bio-Nano Science and Technology, UNSW Sydney, NSW, Australia; ARC Centre of Excellence in Convergent Bio-Nano Science and Technology, Monash Institute of Pharmaceutical Sciences, Monash University, Australia; Prince of Wales Hospital, Prince of Wales Clinical School, Sydney, NSW, Australia.

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**Metabolically Reprograming Pancreatic Stellate Cells using a Novel Nanomedicine for the Treatment of Pancreatic Cancer.**
G. Sharbeen, A. Akerman, J. McCarroll, C. Boyer, J. Holst, J. Youkhana, T.P. Davis, D. Goldstein, M. Erkan and P.A. Phillips. Pancreatic Cancer Translational Research Group, Prince of Wales Clinical School and School of Medical Sciences, Lowy Cancer Research Centre, UNSW Sydney, NSW, Australia; Children's Cancer Institute, Lowy Cancer Research Centre, UNSW Sydney, NSW, Australia; Australian Centre for Nanomedicine (ACN), ARC Centre of Excellence in Convergent Bio-Nano Science and Technology, UNSW Sydney, NSW, Australia; Origins of Cancer Program, Centenary Institute, University of Sydney, NSW, Australia; ARC Centre of Excellence in Convergent Bio-Nano Science and Technology, Monash Institute of Pharmaceutical Sciences, Monash University, Australia; Prince of Wales Hospital, Prince of Wales Clinical School, Sydney, NSW, Australia. Department of Surgery, Koc University, School of Medicine, Istanbul, Turkey.

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**Long-Term Survival and Risk Factors for Malignancy of Resected Pancreatic Cystic Neoplasms in Finland. The First Nationwide Study.**
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**TLR1 Predicts Favorable Prognosis in Pancreatic Cancer**
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**Portal Hypertension in Pancreatic Cancer is Associated with Radiation Therapy**
V. Roy, G. Cook-Wiens, M. Guan, V. Placencio, A. Torosian, J. Gong, I. He, A. Osipov, R. Tuli, A. Hendifar. Cedars-Sinai Medical Center, Los Angeles, CA; University of California, Los Angeles, CA; City of Hope National Medical Center, Los Angeles, CA; Johns Hopkins Hospital, Baltimore, MD.

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**M2-like Macrophage is Essential for Acinar Cell Regeneration after Acute Pancreatitis**
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**The Role of ATF3 for PDAC Initiation and Progression**
N. Azizi, and C. Pin. Children’s Health Research Institute; Departments of Pediatrics, Physiology and Pharmacology and Oncology, Schulich School of Medicine & Dentistry, Western University, London, ON, Canada.
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N. Khandelwal, D. Harb, P. Reilly, S. Manthena, J. Vora, G. Morris-Stiff. AbbVie Inc., North Chicago, Illinois, Section of HPB Surgery, Digestive Disease Institute, Cleveland Clinic, Cleveland, OH.

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S.L. Chung, T.R. Kolodecik, K. Date, C. Shugrue, G.V. Desir F.S. Gorelick. Yale University School of Medicine, New Haven, CT and VA CT Healthcare System, West Haven, CT; Ochanomizu University, Tokyo, Japan.

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The Predictive Factor for the Mortality of Acute Pancreatitis on Admission
Y. Hori, N. Jinno, I. Naitho, Y. Tsuji. Department of Gastroenterology and Metabolism, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan; Department of Clinical Education, Shiga University of Medical Science, Shiga, Japan.

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Serum Tissue Factor/Tissue Factor Pathway Inhibitor Ratio Predicts Non-Mild Acute Pancreatitis
W. Hu, J. Yang. Department of General Surgery, Affiliated Hangzhou First People’s Hospital, Zhejiang University School of Medicine, People’s Republic of China.
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The Effect of Stent Assisted Percutaneous Endoscopic Necrosectomy for Infected Pancreatic Necrosis: A Propensity Score Matched Cohort Study
L. Ke, W. Mao, J. Zhou, B. Ye, G. Li, J. Zhang, P. Wang, Z. Tong, W. Li. Surgical Intensive Care Unit (SICU), Department of General Surgery, Jinling Hospital, Medical School of Nanjing University, Nanjing Province, China.

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Y. Liu, L. Hao, T. Wang, D. Zhang, H.L. Guo, J Pan, D.Wang, Y.W Bi, J.T. Ji, L.Xin, T.T. Du, J.H. Lin, X.P. Zeng, W.B. Zou, Hui Chen, T. Xie, B.R. Li, Z. Liao, Z.J. Cong, L.S. Wang, L.H. Hu, Z.S. Li. Department of Gastroenterology, Digestive Endoscopy Center, Changhai Hospital, The Second Military Medical University, Shanghai, China; Department of Gastroenterology, The Second Clinical Medical College (Shenzhen People’s Hospital), Jinan University, Guangdong, China; Department of Gastroenterology, Zhongda Hospital, Southeast University, Nanjing, China; Department of Gastroenterology, Air Force General Hospital, Beijing, China; Department of General Surgery, Renji Hospital, Shanghai Jiaotong University, Shanghai, China.

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Y. Liu, L Hao, Z.L. Xu, T. Wang, H.L. Guo, J Pan, D.Wang, Y.W Bi, J.T. Ji, L. Xin, T.T. Du, J.H. Lin, D. Zhang, X.P. Zeng, W.B. Zou, H. Chen, T. Xie, B.R. Li, Z. Liao, Z.J. Cong, L.S. Wang, L.H. Hu, Z.S. Li. Department of Gastroenterology, Digestive Endoscopy Center, Changhai Hospital, The Second Military Medical University, Shanghai, China; Department of Gastroenterology, The Second Clinical Medical College (Shenzhen People’s Hospital), Jinan University, Guangdong, China; Department of Gastroenterology, Zhongda Hospital, Southeast University, Nanjing, China; Department of Gastroenterology, Air Force General Hospital, Beijing, China; Department of General Surgery, Renji Hospital, Shanghai Jiaotong University, Shanghai, China.

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Incidence of Pancreatitis with the Use of Immune Checkpoint Inhibitors (ICI) In Advanced Cancers: A Systematic Review and Meta-Analysis
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Ethyl Acetate Extract of Maple Syrup Inhibited Cell Proliferation, Migration and Invasion in Pancreatic Cancer Cells
T. Yamamoto, M. Kuragaki, R. Inoue, K. Mitamura, and A. Taga Pathological and Biomolecule Analyses Laboratory, Faculty of Pharmacy, Kindai University, Osaka, Japan.

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Mucin-1 is required for the Coxsackie Virus B3-induced Inflammation in Pancreatitis
X. Liu, D.L. Clemens, J.A. Grunkemeyer, K. O’Connell, J.D. Price, M.A. Hollingsworth, and S.P. Thayer. Surgical Oncology, University of Nebraska Medical Center, Fred & Pamela Buffett Cancer Center, Omaha, NE; Department of Internal Medicine, University of Nebraska Medical Center, Omaha, NE; Midwest laboratories, Omaha, NE.
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New Observations on the Utility of CA19-9 as a Biomarker in Lewis Negative Patients with Pancreatic Cancer
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Preoperative Biliary Stenting and Major Morbidity after Pancreatoduodenectomy - Does Elapsed Time Matter?
M. Sandin, K.C. Honselmann, D.J. Birbaum, F. Gavazzi, M. Chirica, U. Wellner, T. Guibaud, L. Bolm, M. Angrisani, V. Moutardier, M. Cerda, É. Girard, M. Montorsi, T. Keck, A. Zerbi, L. Gianotti. School of Medicine and Surgery, Milano Bicocca University, Department of Surgery, San Gerardo Hospital, Monza, Italy; Department of Surgery, University Medical Center Schleswig-Holstein, Campus Luebeck, Luebeck, Germany; Department of Digestive Surgery, Hôpital Nord, Aix-Marseille University, Marseille, France; Pancreatic Surgery Unit, Department of Surgery, Humanitas Research Hospital and University, Rozzano, Milan, Italy; Department of Digestive Surgery and Liver Transplantation, Hôpital Michalon, Grenoble University, Grenoble, France.

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M. Abu-El-Haija, S.J. Schwarzenberg, Y. Yang, D. Adams, S. Ahmad, A.N. Balamurugan, G. J. Beilman, S. Chinnakotla, D.L. Conwell, T.B. Dunn, M.L. Freeman, T. Gardner, M. Hughes, V. Kirchner, L.F. Lara, L. Long-Simpson, K. Morgan, J.D. Nathan, B. Naziruddin, A. Posselt, T.L. Pruett, V.K. Singh, K. Smith, M. Wijkstrom, P. Witkowski, J. Hodges, M.D. Bellin. Cincinnati Children’s Hospital, Cincinnati, OH; University of Minnesota Minneapolis, MN; The Medical University of South Carolina, Charleston, SC; University of Cincinnati Medical Center, Cincinnati, OH; University of Louisville, Louisville, KY; The Ohio State University Medical Center, Columbus, OH; Dartmouth-Hitchcock Medical Center, Lebanon, NH; Baylor Health, Dallas, TX; University of California San Francisco, San Francisco, CA; John Hopkins Medical Institutions, Baltimore, MD; University of Pittsburgh Medical Center, Pittsburgh, PA; University of Chicago, Chicago, IL.

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Risk Stratification Score for Post-Endoscopic Retrograde Cholangiopancreatography (ERCP) Pancreatitis
V.S. Akshintala, A. Kamal, J. Elmunzer, A. Andriulli, R. Talukdar, M.K. Goenka, R. Kochhar, M.A. Khashab, A.N. Kalloo, D.N. Reddy, V.K. Singh. Johns Hopkins Hospital, Baltimore; Medical University of South Carolina, Charleston; Casa Sollievo della Sofferenza, San Giovanni Rotondo FG, Italy; Asian Institute of Gastroenterology, Hyderabad, India; Apollo Gleneagles Hospitals, Kolkata, India; Postgraduate Institute of Medical Education and Research, Chandigarh, India.
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The Effect of Pancreatic Cancer Patient Derived Serum on Macrophage M1/M2 Polarization
M. Juusola, H. Mustonen, S. Vainionpää, M. Vähät-Koskelo, P. Puolakkainen, H. Seppänen. Department of Surgery, Helsinki University Hospital and University of Helsinki; Institute for Molecular Medicine Finland (FIMM), University of Helsinki, Finland.

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A.V. Pinho, M.V. Bulck, L. Chantrill, M. Arshi, T. Sklyarova, D. Herrmann, C. Veninn, D. Gallego-Ortega, A. Mawson, M. Giry-Laterriere, A. Magenau, L. Baeyens, Australian Pancreatic Cancer Genome Initiative (APGI), A.J. Gill, P. Phillips, P. Timpson, A.V. Biankin, J. Wu, I. Rooman. Cancer Division, The Garvan Institute of Medical Research, Sydney NSW, Australia; St. Vincent’s Clinical School, UNSW, Sydney NSW, Australia; Oncology Research Centre, Vrije Universiteit Brussel, Brussels, Belgium; Lowy Cancer Research Centre, UNSW, Sydney NSW, Australia; Beta cell Neogenesis lab, Vrije Universiteit Brussel, Brussels, Belgium; University of Sydney, Sydney NSW, Australia; Wolfson Wohl Cancer Research Centre, Institute of Cancer Sciences, University of Glasgow and West of Scotland Pancreatic Unit, Glasgow Royal Infirmary, Glasgow, Scotland, UK; South Western Sydney Clinical School, UNSW, Liverpool NSW, Australia; Centre for Cancer Bioinformatics, Peking University Cancer Hospital and Institute, Beijing, China.

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K. Baugh, H.S. Tran Cao, G. van Buren, E.J. Silberfein, C. Hsu, O. Barakat, W.E. Fisher, N.N. Massarweh. Michael E DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX; VA HSR&D Center for Innovations in Quality, Effectiveness and Safety, Michael E DeBakey VA Medical Center, Houston, TX.

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S. Kibe, K. Ohuchida, Y. Ando, S. Takesue, M. Nakayama, T. Abe, S. Endo, K. Koikawa, T. Okumura, C. Iwamoto, K. Shindo, T. Moriyama, K. Nakata, S. Nagai, Miyasaka, M. Shimamoto, T. Ohtsuka, K. Mizumoto, M. Nakamura. Departments of Surgery and Oncology, Advanced Medical Initiatives and Endoscopic Diagnostics and Therapeutics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Kyushu University Hospital Cancer Center, Fukuoka, Japan.
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M. Baltatzis, S. Jegatheeswaran, A.K Siriwardena. Regional Hepato-Pancreato-Biliary Unit, Manchester Royal Infirmary, Manchester, UK.

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T. Kerdsirichairat, S.H. Kim, A. Narang, M. Villafania, M.A. Khahsab, A.M. Lennon, V. Singh, M.I. Canto, E.J. Shin. Division of Gastroenterology and Hepatology, Department of Medicine, Johns Hopkins Medical Institutions, Baltimore, MD; Division of Gastroenterology and Hepatology, Chonbuk National University, Jeonju, The Republic of Korea; Radiation Oncology and Molecular Radiation Sciences, Johns Hopkins Medical Institutions, Baltimore, MD.

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A. Syed, A. Tang, M. Garg, G. Moussaide, S. Thakkar. Division of Gastroenterology and Department of Medicine Allegheny Health Network, Pittsburgh, PA.
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A. Syed and S. Thakkar. Division of Gastroenterology, Allegheny Health Network, Pittsburgh, PA.

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Arterial Resection in Radical Pancreatectomy for Pancreatic Cancer
Joint Meeting with Japan Pancreas Society

Maui, Hawaii

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