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49TH ANNUAL MEETING

In Collaboration with

iap

international association of
pancreatology

investigate . innovate . inspire

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.



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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 Pancreatology (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 INSPPIRE) 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, FACC

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

DOCUMENTATION OF ATTENDANCE FOR CME

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

EVALUATIONS & CREDIT ADJUSTMENT FORM

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

FACULTY DISCLOSURE PAGE

Disclosure and Conflict of Interest Resolution Statement

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

SUPPORTERS

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

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EXHIBITORS

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

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YOUNG INVESTIGATOR TRAVEL AWARD WINNERS

Toshiya Abe
Johns Hopkins University
Anu Aronen
Tempere University Hospital
Brian Boone
West Virginia University

Alexander Boucher
Cincinnati Children's Hospital
Parthasarathy Chandrakesan
University of Oklahoma

Michelle Cooley
University of Wisconsin
Prasad Dandawate
University of Kansas
Chinenye Dike
University of Iowa
Subhankar Dolai
University of Toronto
Melissa Fenech
University of Western Ontario

Fabian Frost
University Medicine Griefswald
Alejandro Garces-Descovich
Beth Israel Deaconess Medical Center

John George
Yale New Haven Health
Amir Gougol
University of Pittsburgh

Fu Gui
Mayo Clinic, Jacksonville

Samuel Han
University of Colorado
Thomas Hank
Harvard Medical School

Max Heckler
University of Heidelberg
Eszter Hegyi
University of Pecs
Kim Honselmann
University Medical Center Schleswig-Holstein
Masayasu Horibe
Keio University School of Medicine
Rahat Jahan
University of Nebraska Medical Center

Aparna Jakkampudi
Asian Institute of Gastroenterology
Zsanett Jancso
Boston University
Harika Kandlakunta
Mayo Clinic, Rochester
Tossapol Kerdsirichairat
Johns Hopkins Hospital
Kazuhiro Koikawa
Kyushu University

John Kokkinos
The University of New South Wales
Sanchuan Lai
Yale University

Mira Lanki
University of Helsinki
Mingyang Liu
University of Oklahoma Health Sciences Center

Songsong Liu
Third Military Medical University Southern Hospital
Thomas Mace
The Ohio State University
Tamara Madacsy
University of Szeged

Kendall McEachron
University of Minnesota
Sajan Jiv Singh Nagpal
Mayo Clinic, Rochester
Koh Nakamaru
Kansai Medical University

Anna Nurmi
University of Helsinki
Salvatore Paiella
University of Verona

Teresa Pan
University of Verona
Honit Piplani
Cedars-Sinai Medical Center
Kumari Priyam
All India Institute of Medical Science
Subhaleena Sarkar
Asian Institute of Gastroenterology
Na Shi
West China Hospital, Sichuan University

Carlos Roberto Simons-Linares
Cleveland Clinic
Kamini Singh
Memorial Sloan Kettering Cancer Center

Zhihong Xu
The University of New South Wales
Xinmin Yang
West China Hospital Sichuan University

Cemal Yazici
University of Illinois

Lu-Lu Zhai
Zhejiang University School of Medicine
Xiaohui Zhu
Mayo Clinic, Jacksonville

ABSTRACT SELECTION COMMITTEE

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Pramod Garg - *AIIMS, India*
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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.	<i>Pancreatitis and Pancreatic Cancer Induced Diabetes</i>
12:00 p.m. – 1:00 p.m.	Lunch
5:00 p.m. – 7:00 p.m.	Hirshberg Opening Symposium: <i>Microbiome and Pancreatic Cancer</i>
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: <i>Necrotizing Pancreatitis</i>
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: <i>Advances in Therapeutics: Phase II Trial Updates and New Targets</i>
4:30 p.m. – 6:00 p.m.	Mini Symposium: <i>Recurrent Acute and Chronic Pancreatitis</i>
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: <i>Current Efforts Towards Early Detection of PDAC</i>
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 Pancreatology 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: <i>Controlling Systemic Inflammation and Organ Failure in Acute Pancreatitis</i>
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 felicitations 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 under graduate 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!

APA/IAP COMBINED PRE-MEETING SYMPOSIUM

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 Mizrahi, 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 Pancreatopathy

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

F. Choueiry, R. Shakya, X. Zhang, M. Dillhoff, D. Conwell, W.E. Carson III, T.A. Mace. 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

A. Sharma, R.P. Sah, S. Nagpal, S.H. Patlolla, A. Sharma, H. Kandlakunta, R. Singh Angom, S. Vivekanandan, N. Takahashi, D. Mukhopadhyay, and S.T. Chari. 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 Muir; 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

V. Sethi, S. Kurtom, I. Fernandez, J. Kobinger, A. Ferrantella, H.K. Charles Jacob, B. Garg, B. Giri, P. Sharma, P. Roy, R. Dawra, M. Abreu, S. Roy, S. Ramakrishnan, A. Saluja V. Dudeja. 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

T. Abe, K. Tamura, M. Ford, P. McCormick, M. Borges, J.A. Almario, A. Blackford, E.J. Shin, A.M. Lennon, R. Hruban, M.I. Canto, M. Goggins. Departments of Pathology, Oncology, Medicine, and, The Sol Goldman Pancreatic Cancer Research Center, The Johns Hopkins University School of Medicine, Baltimore, MD; University College Dublin, Leinster, Ireland.

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 INSPPIRE 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)

K. A. Overbeek, A. Kamps, P. A. van Riet, M.C. Di Marco, G. Zerboni, J. E. van Hooft, S. Carrara, C. Ricci, T. A. Gonda, E. Schoon, M. Polkowski, G. Beyer, P. Honkoop, L. A. van der Waaij, R. Casadei, G. Capurso, M. J. Bruno, E. M.A. Bleiker, D. L. Cahen. On behalf of the Pancreatic Cyst Follow-up: an International Collaboration (PACYFIC) study work group

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

U. Klaiber, E.S. Schnaidt, U. Hinz, U. Heger, M. Gaida, M.W. Büchler, T. Hackert. Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany; Institute of Pathology, University of Heidelberg, Heidelberg, Germany.

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.Kerdsirichairat, 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 Korc, 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)

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

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

Discovery of Pancreatic Cancer Susceptibility Genes

Michael Goggins, MD, Johns Hopkins Medicine

Familial Pancreatic Cancer: Recent Discoveries and Clinical Implications

Gloria Petersen, PhD, Mayo Clinic, Rochester

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

K. Ishido, D. Kudo, N. Kimura, T. Wakiya, K. Hakamada. Department of Gastroenterological Surgery, Hirosaki University Graduate School of Medicine.

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. Laukkarinen. 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. DiMaio, P. Kongkam, B. Napoleon, M.O. Othman, D. Tan, S. El-Dika, S. McCarthy, J. Walker, M.E. Dillhoff, A. Manilchuk, P.A. Hart, Z. Cruz-Monserrate, 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, Ramsay 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. Kalloo, 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.

4:15 - 5:30pm

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 & Pamella Buffett 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*
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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.

E.K. Jones, D.D.H. Thomas, E.J. Phelan, M.M. Cooley, N Ly, G.E. Groblewski. Program in Biochemical and Molecular Nutrition, University of Wisconsin, Madison, WI.

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 Hepato-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 Atsaturov, 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

M.J. Walker, A. Lugea, S. Gagnon, T. Neenan, A. Shah, M. Cullen, S. Pandol.
Sun BioPharma, Inc., Minneapolis, MN; Cedars 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

J. Itakura, M. Watanabe, N. Hosomura, H. Amemiya, H. Kawaida, H. Okamoto, H. Kohno, D. Ichikawa. Department of Surgery, University of Yamanashi, Yamanashi, Japan.

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. Kwasne, H. Zhao, D. Zuo, M. Souleimanova, V. Pilon, A. Monast, A.M. Fortier, Y. Stern, C. Martínez 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

S. Kagawa, H. Yoshitomi, K. Furukawa, T. Takayashiki, S. Kuboki, S. Takano, D. Suzuki, N. Sakai, H. Nojima, T. Mishima, E. Nakadai, M. Miyazaki, M. Ohtsuka. Department of General Surgery, Graduate School of Medicine, Chiba University, Japan.

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

T. Hucl, P. Macinga, D. Gogova, J. Fronck, J. Spicak. Departments of Gastroenterology and Hepatology and Surgery, Institute for Clinical and Experimental Medicine, Prague, Czech Republic.

P1-30

α -Mangostin-encapsulated PLGA Nanoparticles Inhibit Pancreatic Carcinogenesis by Targeting Cancer Stem Cells in Human, and Transgenic (KrasG12D, and KrasG12D/ Trp53R172H) Mice.

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

I.P. Horn, D.L. Marks, T.L. Hogenson, L.L. Almada, L.E. Goldstein, P.A. Romecin Duran, A.M. Vrabel, G. Cui, K.G. Chaffee, W.R. Bamlet, G. Mer, H. Li, G.M. Petersen, M.E. Fernandez-Zapico. Schulze Center for Novel Therapeutics, Division of Oncology Research; Divisions of Biochemistry and Molecular Biology, Biomedical Statistics and Informatics, Molecular Pharmacology and Experimental Therapeutics, and Epidemiology, Mayo Clinic, Minnesota, MN.

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

T.K. Maatman, M.A. Heimberger, K.A. Lewellen, A.M. Roch, C.L. Colgate, E.P. Ceppa, M.G. House, A. Nakeeb, C.M. Schmidt, N.J. Zyromski.

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. Stuopelyte, A. Kasarinaite, S. Jarmalaite, K. Strupas. Department of Gastroenterology, Surgery, Nephrourology, 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. Mosztabacher, 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 Abougergi, 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. 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

P1-50

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. Mukhija 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. Krasnoslobodtsev, 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-1 α 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

S. Sarkar, D.N.Reddy, G.V. Rao, R.Talukdar. Asian Institute of Gastroenterology, Hyderabad, India; India Alliance Labs., Asian Healthcare Foundation, Hyderabad , India.

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

Is Plasmapheresis Beneficial in Patients with The Triad of Hypertriglyceridemia- induced 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.

P1-64

Developing a Serum Proteomics Pipeline for the Mapping of TPIAT-induced Changes to the Serum Proteome

M. Bellin, T. Bjerg Bennike, S. Ahmed, Z. Cruz-Monserrate, G. Beilman, D. Conwell, H. Steen

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Investigating the Urinary Proteome pre and post Total Pancreatectomy with Islet Auto- transplantation (TPIAT)

M. Bellin, T. Bjerg Bennike, S. Ahmed, Z. Cruz-Monserrate, R.Arora, G. Beilman, R. Arnaout, D. Conwell, H. Steen.

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

D. Conwell, J. Muntel, S. Ahmed, P. Hart, Z. Cruz-Monserrate, S. Appana, L. Li, L. Lee, P. Banks, H. Steen.

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Fentanyl Exacerbates the Severity of L-ornithine-induced Experimental Acute Pancreatitis

E.R. Bálint, Z. Balla, B. Kui, L. Kiss, G. Fűr, V. Venglovecz, P. Pallagi, J. Maléth, P. Hegyi, Z. Rakonczay Jr. Departments of Pathophysiology, First Department of Medicine, Pharmacology and Pharmacotherapy, University of Szeged, Szeged, Hungary; Institute for Translational Medicine, University of Pécs, Pécs, Hungary; MTA-SZTE Momentum Translational Gastroenterology Research Group, University of Szeged, Szeged, Hungary

P1-68

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.

P1-69

A Novel Target for Chronic Pancreatitis Therapy: Blocking Gremlin1 in a Mouse Model

J. Davis, K. Liu, P. Yu, M. Younes, T.C. Ko,Y. Cao. Departments of Surgery and Pathology & Laboratory Medicine, UTHealth, Houston, TX.

P1-70

Nox1 Mediates Caerulein-Induced Pancreatic Fibrogenesis Likely Mediated by TGF- β /Phosphorylation of H3 Pathway

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P1-71

Correlation of Intra-abdominal pressure (IAP) with Inflammatory Markers and Outcome in Patients with Acute Pancreatitis (AP)

B.L. Bellam, N. Dhaka, S.K. Sinha, V. Gupta, T.D. Yadav, R. Kochhar. Department of Gastroenterology, Post Graduate Institute of Medical Education and Research; Department of General Surgery, Post Graduate Institute of Medical Education and Research.

P1-72

Pancreatitis-Associated Medication Use in Hospitalized Pediatric Patients with Acute Pancreatitis

L.E. Veit, A.S. Grover. Division of Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital; Harvard Medical School, Boston, MA.

P1-73

The Effects of Pancreas Fluid (PF) Processing on the Quality and Integrity of Proteins, and Nucleic Acids: A Report from the Biospecimen Committee of the Consortium for the Study of Chronic Pancreatitis, Diabetes, and Pancreatic Cancer (CPDPC)

Z. Cruz-Monserrate, G. Lesinski, W. Fisher, L. Lara, M. Topazian, N. Badi, S. Kaul, A. McElhany, R. Orr, D. Yadav, T. Mace, P. Hart, H. Steen, and D.L. Conwell. The Ohio State University, Division of Gastroenterology, Hepatology and Nutrition, Department of Internal Medicine, and Comprehensive Cancer Center, Columbus, OH; Emory University, Winship Cancer Institute, Department of Hematology and Medical Oncology, Atlanta, GA; Baylor College of Medicine, The Elkins Pancreas Center, Michael E. DeBakey Department of Surgery, and Dan L. Duncan Cancer Center, Houston, TX; Mayo Clinic, Department of Gastroenterology and Hepatology, Rochester, MN; Indiana Clinical and Translational Sciences Institute, Specimen Storage Facility, Indianapolis, IN; University of Pittsburgh, Division of Gastroenterology, Hepatology and Nutrition, Department of Medicine, Pittsburgh, PA; Harvard Medical School, Proteomics Center, Department of Pathology, Boston, MA

P1-74

Novel Criteria for Drain Removal after Distal Pancreatectomy

J. Yoshino, D. Ban, T. Ogura, K. Ogawa, H. Ono, Y. Mitsunori, A. Kudo, and M. Tanabe. Department of Hepatobiliary and Pancreatic Surgery, Graduate School of Medicine, Tokyo Medical and Dental University, Tokyo, Japan.

P1-75

Impact of Infection on Outcome of Percutaneous Drainage (PCD) In Patients with Fluid Collection Following Acute Pancreatitis

A.K. Singh, A.K. Gulati, V. Gautam, A. Bhatia, N. Dhaka, S.K. Sinha, R. Kochhar. Departments of Gastroenterology, Radiology, and Microbiology, Post Graduate Institute of Medical Education and Research, Chandigarh, India.

P1-76

Heparin vs. Lovenox as Thrombosis Prophylaxis After Total Pancreatectomy with Islet Autotransplantation

A. Coughlan, M. Skube, T. Dunn, G. Beilman, M. Bellin, K.L. Berry. Department of Surgery, University of Minnesota, Minneapolis, MN.

P1-77

Protective Effect of Urocortin 2 in Caerulein-Induced Acute Pancreatitis

Y. Jingzhen, B. Hasdemir, S. J. Pandol, and A. Bhargava. Cedars-Sinai Medical Center, VA, and University of California Los Angeles, Department of Ob-Gyn, and The Osher Center, University of California San Francisco.

P1-78

KDM3A, an Epigenetic Mark and DCLK1, Pancreatic Cancer Stem Cell Marker, Interactions Promotes Stemness and Tumorigenesis

C. Ghosh, K. Palaniyandi, S. Paul, P. Dandawate, S. Rawal, D. Subramaniam, S. Padhye, S. Gunewardena, S. Thomas, R. Jensen, S. Maliski, S. Weir, T. Iwakuma, S. Anant, and A. Dhar. Department of Cancer Biology, Surgery and Molecular and Integrative Physiology, Nursing, Pharmacology and Toxicology, University of Kansas Medical Center, Kansas City, KS.

P1-79

Secretory Unit of Islet Transplant Objects (SUITO) Index and Homeostasis Model Assessment (HOMA) Beta Score are Ineffective at Predicting Outcomes in Patients Undergoing Total Pancreatectomy and Islet Autotransplantation

L.F. Lara, S. Meng, J.Buss, A. Rajab, P.A. Hart, D. Conwell, S. Black, K. Washburn. The Ohio State University Medical Center

P1-80

Total Pancreatectomy and Islet Autotransplantation for Treatment of Chronic Pancreatitis Even in Patients with Prior Whipple Procedure

A. Rajab, J. Buss, P.A. Hart, D. Conwell, S. Meng, L. Lara, S. Black, K. Washburn. The Ohio State University Medical Center

P1-81

Microbial Dysbiosis and Polyamine Metabolism as Predictive Markers for Early Detection of Pancreatic Cancer

R. Mendez, K. Kesh, N. Arora, L. Di Martino, F. McAllister, N. Merchant, S. Banerjee, S. Banerjee. Department of Surgery, University of Miami Miller School of Medicine, Miami, FL; Departments of Surgery and Pharmacology, University of Minnesota, MN; Universite' Grenoble Alpes, Isère, France, Department of Clinical Cancer Prevention, The University of Texas MD Anderson Cancer Center and Sylvester Comprehensive Cancer Center, Miami, FL.

P1-82

TFEB, the Master Regulator of Autophagy and Lysosomal Biogenesis, Plays Critical Role in Pancreatic Cancer Cell Growth

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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Amiloride Analogues as Inhibitors of Human Urokinase Plasminogen Activator and Anti-Pancreatic Cancer Agents

Z. Xu, B.J. Buckley, S. Pothula, T. Pang, D. Goldstein, R.C. Pirola, J.S. Wilson, M.J. Kelso, M. Ranson, M.V. Apte. Pancreatic Research Group, SWS Clinical School, Faculty of Medicine, UNSW Sydney, Ingham Institute for Applied Medical Research, Sydney, Australia, School of Chemistry and Illawarra Health and Medical Research Institute, University of Wollongong, NSW, Australia.

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KIAA1199 is Induced by Inflammation and Enhances Malignant Phenotype in Pancreatic Cancer

S. Kohi, N. Sato, N. Matayoshi, A. Koga, T. Amaike, Y. Kudo, Y. Adachi, K. Hirata. Department of Surgery, University of Occupational and Environmental Health, Japan.

P1-85

Portal Vein Hypertension Induces Lymphangiogenesis in the Pancreas through Macrophage-Derived VEGF-C Production

S. Lai, M. Tanaka, T. Utsumi, J. Mao, F. Gorelick, and Y. Iwakiri. Section of Digestive Diseases, Yale School of Medicine, New Haven, CT; VA Connecticut Healthcare System, West Haven, CT.

P1-86

A New Etiology of Acute Pancreatitis: The Role of Portal Vein Congestion and Pancreatic Edema

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P1-87

Diagnostic Yield of a Conventional Endoscopic Ultrasound- Fine Needle Aspiration (EUS-FNA) and Two Endoscopic Fine Needle Biopsy (EUS- FNB) Needles in Solid Lesions and Pancreatic Cancer: A Single Center, Retrospective Study.

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P1-88

Electronic Medical Record or Registry Adaptable Tool to Stratify Risk of Short- and Long-term Readmissions in Acute Pancreatitis

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Electronic Medical Record or Registry Adaptable Tool to Identify High-utilizers in Pancreatitis

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P1-90

Impact of Discharges against Medical Advice in Hospital Stays Pancreatitis and Factors Associated with it

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P1-91

Tumor Suppressor Long Non-coding RNA AK311005 Coupled with dREAM/Myb-MuvB Complex to Inhibit Pancreatic Ductal Adenocarcinoma Development

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P1-92

Novel Drp1-Parkin-VMP1-pathway of Selective Mitophagy in Acute Pancreatitis.

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P1-93

Effect of Recombinant Human Thrombomodulin on Rat Experimental Severe Acute Pancreatitis

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P1-94

Imaging Prediction of Islet Yield in Children Undergoing Total Pancreatectomy with Islet Autotransplantation

H. Nolan, A.T. Trout, M. Abu-El-Haija, L. Fei, T. J. Lin, Deborah Elder, Jaimie D. Nathan. Division of Pediatric General and Thoracic Surgery, Department of Radiology and Medical Imaging, Division of Gastroenterology, Hepatology and Nutrition, Division of Biostatistics and Epidemiology, Division of Endocrinology; Cincinnati Children's Hospital Medical Center, Cincinnati, OH.

P1-95

Chronic Ethanol Exposure of Human Pancreatic Normal Ductal Epithelial Cells Induces Cancer Stem Cell Phenotype Through SATB2.

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.

P1-96

Diagnostic and Prognostic Value of Circulating KRAS Mutations in Resectable Pancreatic Ductal Adenocarcinoma

J. Hipp, S. Hussung, J. Duyster, S. Fichtner-Feigl, R. Fritsch, U.A. Wittel. Departments of General and Visceral Surgery and Oncology, University of Freiburg Medical Center, Freiburg, Germany.

P1-97

The Common Truncation Variant P.W358X Of The PNLIPRP2 Lipase is not Associated With Chronic Pancreatitis

Z.G. Pesei, B.C. Németh, E. Hegyi, A. Szentesi, Á. Vincze, 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.

P1-98

Novel Chymotrypsin C (CTRC) Variant c.173C>T (p.T58M) in a Case of Late Onset Recurrent Acute Pancreatitis

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P1-99

Prolactin Receptor, a Novel Target for Pancreatic Ductal Adenocarcinoma

P. Dandawate, G. Kaushik, D. Subramaniam, C. Ghosh, S. Choudhury, D. Standing, P. Ramamoorthy, A. Manzano, A. Sayed, T. Banerjee, S. Santra, M. Butler, S.B. Padhye, J. Baranda, A. Kasi, W. Sun, O. Tawfik, D. Coppola, M. Malafa, S. Umar, M.J. Soares, S. Saha, S.J. Weir, A. Dhar, R.A. Jensen, S.M. Thomas, S. Anant. Departments of Cancer Biology, Surgery, Psychiatry and Behavioral Sciences, Internal Medicine, Pathology and Laboratory Medicine, Obstetrics and Gynecology, Pediatrics, Radiation Oncology, Pharmacology, Toxicology and Therapeutics, Otolaryngology, University of Kansas Medical Center, Kansas City, KS; Department of Chemistry, Pittsburg State University, Pittsburg, KS; Interdisciplinary Science and Technology Research Academy, Abeda Inamdar College, University of Pune, Pune, India; Department of Gastrointestinal Oncology, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL; Center for Perinatal Research, Children's Research Institute, Children's Mercy-Kansas City, MO.

P1-100

Neoplastic and Stromal Cell Cross-Talk Promotes a Collagen Signaling Complex in Pancreatic Cancer

T. Hank, K.C. Honselmann, A. Li, D. Birnbaum, S.B. Begg, K.D. Lillemoe, A.L. Warshaw, C. Fernandez-del Castillo, A.S. Liss. Department of Surgery, Massachusetts General Hospital and Harvard Medical School, Boston, MA.

P1-101

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

A. Rodriguez, P. Kroner, L.K. Mejia, P. Kandel, M.B. Wallace, T.A. Woodward, V. Gomez, J. Stauffer, H. Asbun, M. Raimondo. Departments of Gastroenterology & Hepatology and General Surgery, Mayo Clinic, Jacksonville, FL; Department of Internal Medicine, Cleveland Clinic, Cleveland, OH.

P1-102

Use of Periodic-acid Schiff and Alcian Blue (PAS-AB) Stains for Diagnosis of Pancreatic Cancer.

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Department of Pathology, Tokyo Metropolitan Geriatric Hospital

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Endoscopic Versus Percutaneous Drainage of Pancreatic Fluid Collections: A Systemic Review and Meta-analysis

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P1-104

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.

P1-105

Transient High Pressure in Pancreatic Ducts Promotes Inflammation and Alters Tight Junctions via Calcineurin Signaling in Mice

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.

P1-106

Suppression of the OLA1-mediated Epithelial-mesenchymal Transition by miR-34a Resulting in Significant Enhancement of the Sensitivity of Pancreatic Cancer Stem Cell to Gemcitabine Treatment

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.

P1-107

The Association Between Autoimmune Pancreatitis and Pancreatic Adenocarcinoma: A Systemic Review

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.

P1-108

Presence of Pancreatic Specialty Centers is Associated with Increased Treatment of Exocrine Pancreatic Insufficiency in Chronic Pancreatitis

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P1-109

Inadequate Access to Care Along with Kidney Injury and Insufficient Resuscitation May Explain the Poor Outcomes in Acute Pancreatitis in African Americans

C. Yazici, K. Geary, B. Boulay, G. I. Papachristou, N. Krett, P. Grippo, B. Jung. University of Illinois at Chicago (UIC); University of Pittsburgh

P1-110

Insulin Protects Against Acinar Cell Injury During Experimental Pancreatitis by Inducing the Phosphorylation of AKT and its Downstream Target PFKFB2

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.

P1-111

Is There Disparity in Index-Admission Cholecystectomy for Mild Acute Biliary Pancreatitis in Patients with Morbid Obesity: A National Survey

E.E. Ugbarugba, L. Charles, K. Porter, R. Pavurala, I. H. Hussan, P. Hart, D. Conwell, S.G. Krishna. Divisions of Hospital Medicine, Biostatistics and Gastroenterology, Hepatology and Nutrition, Department of Internal Medicine, The Ohio State University Wexner Medical Center, Columbus, OH.

P1-112

Endoscopic Ultrasound-guided Ablation of Pancreatic Cystic Neoplasms: A Systematic Review and Meta-analysis

E.E. Ugbarugba, P.A. Hart, Z. Cruz-Monserrate, D.L. Conwell DL, S.G. Krishna. Division of Hospital Medicine and Section of Pancreatic Disorder, Division of Gastroenterology, Hepatology and Nutrition Department of Internal Medicine, The Ohio State University Wexner Medical Center.

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Predicting Acute Pancreatitis (AP) Length of Stay (LOS): “Hotspotting” High-cost Admissions

E. Bowns, A. Hinton, L. Lara, P. Hart, D. Conwell. Section of Pancreatic Disorders, Division of Gastroenterology, Hepatology and Nutrition, The Ohio State University Wexner Medical Center Columbus, OH.

P2-23

Colloid vs Tubular Carcinoma Arising from IPMN: The Better Survival is Independent of Stage

C. Rodrigues, V. Morales-Oyarvide, M. Mino-Kenudson, T. Hank, M. Qadan, C. Ferrone, A.L. Warshaw, K.D. Lillemoe, C. Fernandez-del Castillo. Departments of Surgery and Pathology, Massachusetts General Hospital, Boston, MA.

P2-24

Does Choice of Approach to Pancreatectomy Affect Postoperative Outcomes in Patients Undergoing Resection for Chronic Pancreatitis: A NSQIP Study

E.M. Aleassa, Gareth Morris-Stiff. Section of Hepato-Pancreato-Biliary Surgery, Digestive Diseases and Surgery Institute, Cleveland Clinic Foundation, Cleveland, OH; Department of Surgery, College of Medicine and Health Sciences, United Arab Emirates University, Al-Ain, UAE.

P2-25

End-Stage Renal Disease in Acute Pancreatitis: A Nationwide Analysis of Outcomes

P.T. Kröner, A.C. Rodríguez, J.E. Corral, M. Raimondo. Department of Gastroenterology, Mayo Clinic, Jacksonville, Florida.

P2-26

Hypertriglyceridemia Associated Drug-Induced Acute Pancreatitis. A Systematic Review

C.R. Simons-Linares, M. Salazar, M. El-Khouly. Gastroenterology and Hepatology Department, Digestive Disease Institute, Cleveland Clinic Foundation, Cleveland, OH; Internal Medicine Department, John Stroger Hospital of Cook County, Chicago, IL.

P2-27

Changes in Composition of Plasma Free Amino Acids (PFAAs) in Progression of Chronic Pancreatitis (CP)

T. Ito, M. Taniguchi, T. Nakamura, K. Nishiguchi, A. Asakura, M. Mori, M. Sawamura, Y. Tokuda, A. Ishimi, Y. Onishi, T. Kanno, S. Hiyama, M. Hamano, M. Chiba, K. Yamamoto, N. Tatsumi. Japan Community Healthcare Organization Osaka Hospital, Shinya Kikuchi, Hiroshi Yamamoto: Institute of Bio-Fine, Ajinomoto Co., Inc.

P2-28

What are the Outcomes of Acute Pancreatitis (AP) in Patients with Cirrhosis in the United States?

C.R. Simons-Linares, S. Abushama, J. Estevez, A. Bhatt, T. Stevens, C. Romero-Marrero, J.J Vargo, P. Chahal. Gastroenterology and Hepatology Department, Digestive Disease Institute, Cleveland Clinic Foundation, Cleveland, OH.

P2-29

Development of the Dutch-American Risk Stratification Tool (DART-I) to Identify IPMN at Low Risk of Developing Worrisome Features

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P2-30

Prevalence of Pancreatic Cystic Lesions and IPMN in Type 2 Diabetes Mellitus Patients

K.A. Overbeek, N.C. Krak, I.C. Pieters, M.M. Smits, R. Bent, D.H. van Raalte, M.J. Bruno, D.L. Cahen. Departments of Gastroenterology & Hepatology and Department of Radiology, Erasmus University Medical Center, Rotterdam, The Netherlands; Departments of Radiology and Nuclear Medicine and Internal Medicine, VU University Medical Center, Amsterdam, The Netherlands.

P2-31

What are The Outcomes of Acute Pancreatitis (AP) in Patients Taking Immunosuppression?

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.

P2-32

Clinical Outcomes of Acute Pancreatitis in Patients with Liver Cirrhosis. A Single Center Experience.

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.

P2-33

The sTRA Glycan Increases Screening and Diagnostic Accuracy of CA19-9 for Pancreatic Cancer

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.

P2-34

Is There an Impact of Cannabis Consumption on Acute Pancreatitis in the United States?

C.R. Simons-Linares, J. Estevez, J.A. Barkin, S. Abushama, A. Bhatt, M. Sanaka, T. Stevens, S. Jang, J.J. Vargo, J.S. Barkin, P. Chahal. Gastroenterology and Hepatology Department, Digestive Disease Institute, Cleveland Clinic Foundation, Cleveland, OH; Division of Gastroenterology, Department of Medicine, University of Miami Miller School of Medicine, Miami, FL.

P2-35

Glycosylation Profiles and ABO Blood Group Antigens of the Carboxyl-ester Lipase (CEL) Protein Associated with Chronic Pancreatitis and MODY8 Syndrome

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.

P2-36

Prevalence of Abnormal Glucose Metabolism in Pediatric Acute, Acute Recurrent and Chronic Pancreatitis

L. Hornung, L. Denson, A. Husami, T.K. Lin, K. Matlock, J.D. Nathan, J.J. Palermo, T. Thompson, C.A. Valencia, X. Wang, J. Woo, K. Zhang, D. Elder, M. Abu-El-Haija. Divisions of Biostatistics and Epidemiology, Gastroenterology, Hepatology and Nutrition, Human Genetics, Pediatric Endocrinology, and Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH; Department of Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH; PerkinElmer Genomics, Branford, CT.

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The Risk Gene *CEL-HYB* in Pancreatitis: Interplay between Impaired Protein Secretion and Pancreas Divisum or Smoking?

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Hydroxyurea for Thrombocytosis Management in Children after Pancreatectomy with Islet Autotransplantation: An Institutional Experience

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P2-39

Lowest Costs and Mortality Rates among Pancreatic Resections in High-Volume Centres. A Nationwide Study in Finland 2012-2014

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P2-40

Preoperative Biomarkers as Predictors of Non-Resectability and Early Recurrence in Pancreatic and Periampullary Tumors

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P2-41

Acute Pancreatitis Outcomes in Advanced Chronic Kidney Disease and Kidney Transplant History: A Nationwide Analysis

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P2-42

Neoadjuvant treatments increase risk of postoperative thrombosis in PDAC

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P2-43

Thrombin Generation is Associated with CA19-9 in vitro and in Pancreatic Ductal Adenocarcinoma

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Association of Demographics and Socioeconomics with Receipt of Chemotherapy in Patients with Pancreatic Ductal Adenocarcinoma

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P2-45

Surgical Resection of 78 Pancreatic Solid-Pseudopapillary Neoplasms: A 30-Year Single Institutional Experience

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Activation of Free Fatty Acid Receptors 1 and 4 Increases YAP Activity in Pancreatic Cancer Cells

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P2-47

Coexistence of CPA1, SPINK1, CFTR, CTSC, PRSS1 Gene Mutations in Acute Pancreatitis and Pancreatic Cancer

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P2-48

RESPECT - A Multicenter RETrospective Study on PrEoperative ChemoTherapy with FOLFIRINOX in Locally Advanced and Borderline Resectable Pancreatic Cancer

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P2-49

Cutting off the Fuel Supply to the Plasma Membrane Ca²⁺ Pumps in Pancreatic Cancer: Pyruvate Kinase-M2 (PKM2) as a Potential Therapeutic Target

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Necroptosis at Invasion Front of Pancreatic Cancer Can Promote Cancer Cell Migration and Invasion

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P2-51

Diabetes Mellitus Aggravates Severity of Acute Pancreatitis via Endoplasmic Reticulum Stress in Streptozotocin-induced Diabetic Mice

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Invasive Candidiasis in Patients with Severe Acute Necrotizing Pancreatitis was associated with the Antimicrobial Prophylaxis: A Large Retrospective Multicenter Cohort Study

M. Horibe, M. Sanui, M. Sasaki, Y. Ogura, H. Sawano, T. Goto, T. Ikeura, T. Takeda, T. Oda, H. Yasuda, E. Iwasaki, T. Kanai, T. Mayumi. Tokyo Metropolitan Tama Medical Center, Jichi Medical University Saitama Medical Center, National Cancer Center Hospital, Tokyo Metropolitan Tama Medical Center, Osaka Saiseikai Senri Hospital, Hiroshima City Hiroshima Citizens Hospital, Kansai Medical University, Graduate School of Medicine, The University of Tokyo, Iizuka Hospital, Japanese Red Cross Musashino Hospital, Keio University School of Medicine, Keio University School of Medicine, School of Medicine University of Occupational and Environmental Health.

P2-53

Involvement of Basophils in Patients with Type 1 Autoimmune Pancreatitis

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P2-54

Regional Variations in Clinical Characteristics and Management of Pediatric Acute Recurrent and Chronic Pancreatitis: Report from the INSPPIRE Study

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P2-55

Plasma suPAR may help to Distinguish Malign and Benign Pancreatic Diseases

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P2-56

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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The Best Surgical Technic against Delayed Gastric Emptying

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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

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P2-59

Fully Covered Self-Expanding Metal Stents for Benign Refractory Pancreatic Duct Strictures in Chronic Pancreatitis: Long-Term Outcomes

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P2-60

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. Zupardo, 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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Warshaw and Kimura Techniques for Spleen-Preserving Distal Pancreatectomy: Both Viable Strategies to Preserve the Spleen! Multicenter Retrospective Cohort with Long-Term Follow-Up

T.L. Pan, S. Paiella, M. Korrel, M. De Pastena, M. Besselink, G. Butturini, O. Busch Olivier, A. Esposito, A. Giardino, C. Nessi, L. Landoni, C. Bassi, R. Salvia. General and Pancreatic Surgery Unit, Pancreas Institute, University of Verona Hospital, Verona Italy; Department of Surgery, Cancer Center Amsterdam, Amsterdam UMC, University of Amsterdam, The Netherlands; Pancreatic Surgery Unit, Ospedale Pederzoli, Peschiera del Garda, Verona, Italy.

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Validating an ex vivo Model of Human Acute Pancreatitis

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Scoring Systems as Clinical Predictors of Pancreatic Necrosis and Pseudo-Cyst in Montenegrin Population

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P2-64

Matrix Metalloproteinases as Markers of Severe Acute Pancreatitis

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P2-65

Localization of Exosomal miR-21 and Difference in Expression of miR-21 by Treatment

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P2-66

The Long Non-coding RNA GSTM3TV2 Enhances Drug Resistance in Pancreatic Cancer by Negatively Modulating Let-7 and EGFR

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P2-67

Management of Postoperative Complications may Favor the Centralization of also Distal Pancreatectomies

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P2-68

Urine Trypsinogen-2 Dipstick Test in Diagnosis of Post-ERCP Pancreatitis

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P2-69

βIII-Tubulin is a Brake for External Cell-Death Signalling and Regulates TRAIL Sensitivity in Pancreatic Cancer

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P2-70

Metabolically Reprogramming Pancreatic Stellate Cells using a Novel Nanomedicine for the Treatment of Pancreatic Cancer.

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P2-71

Long-Term Survival and Risk Factors for Malignancy of Resected Pancreatic Cystic Neoplasms in Finland. The First Nationwide Study.

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P2-72

TLR1 Predicts Favorable Prognosis in Pancreatic Cancer

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P2-73

Portal Hypertension in Pancreatic Cancer is Associated with Radiation Therapy

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M2-like Macrophage is Essential for Acinar Cell Regeneration after Acute Pancreatitis

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P2-75

The Role of ATF3 for PDAC Initiation and Progression

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P2-76

Escherichia coli Bacterobilia is Associated with Severe Postoperative Pancreatic Fistula after Pancreaticoduodenectomy

M. Heckler, C.W. Michalski, D. Winter, Z. Zhou, L. Bing L, M.W. Büchler, T. Hackert. Heidelberg University, Heidelberg, Germany.

P2-77

Intraductal Papillary Mucinous Neoplasm of the Pancreas Rapidly Xenografts in Chicken Eggs and Predicts Aggressiveness

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P2-78

Economic Impact of Pancreatic Enzyme Replacement Therapy (PERT) in Pancreatic Cancer (PC) Patients who may Have Exocrine Pancreatic Insufficiency (EPI) Following Pancreatic Surgery

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P2-79

A Pilot Study to Assess the Feasibility of Dietary Soy Isoflavones in Chronic Pancreatitis

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P2-80

EUS-Guided Needle Based Confocal Laser Endomicroscopy for the Management of Pancreatic Cystic Lesions: A Single Center Study

S.G. Krishna, P.A. Hart, A. Malli, D. Kruger, S.E. El-Dika, S.T. McCarthy, J.P. Walker, M. Dillhoff, C. Schmidt, A. Manilchuk, T. Pawlik, K. Porter, Z. Cruz-Monserrate, D.L. Conwell. The Ohio State University Wexner Medical Center, Columbus, OH.

P2-81

The Circulating Survival Factor Renalase is Transported in High- and Low-molecular Weight Complexes With Serum Binding Proteins

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P2-82

The Predictive Factor for the Mortality of Acute Pancreatitis on Admission

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Serum Tissue Factor/Tissue Factor Pathway Inhibitor Ratio Predicts Non-Mild Acute Pancreatitis

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P2-84

Overexpression of HOXB13 Correlates with Tumor Angiogenesis and Poor Prognosis in Pancreatic Carcinoma

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P2-85

The Effect of Stent Assisted Percutaneous Endoscopic Necrosectomy for Infected Pancreatic Necrosis: A Propensity Score Matched Cohort Study

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P2-86

Risk Factors and Nomogram for Steatorrhea in Idiopathic Chronic Pancreatitis

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.

P2-87

Risk Factors and Nomogram for Pancreatic Stone Formation in Chronic Pancreatitis over a Long-Term Course: A Cohort of 2,153 Patients

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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P2-89

Ethyl Acetate Extract of Maple Syrup Inhibited Cell Proliferation, Migration and Invasion in Pancreatic Cancer Cells

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P2-90

Mucin-1 is required for the Coxsackie Virus B3-induced Inflammation in Pancreatitis

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P2-91

New Observations on the Utility of CA19-9 as a Biomarker in Lewis Negative Patients with Pancreatic Cancer

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P2-92

Preoperative Biliary Stenting and Major Morbidity after Pancreatoduodenectomy - Does Elapsed Time Matter?

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Updates on the Prospective Observational Study of TPIAT (POST): Approach and Participant Characteristics

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Nutritional Status of Children and Adults Before Total Pancreatectomy with Islet Autotransplantation: Updates From Prospective Observational Study Of TPIAT (POST)

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Risk Stratification Score for Post-Endoscopic Retrograde Cholangiopancreatography (ERCP) Pancreatitis

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The Effect of Pancreatic Cancer Patient Derived Serum on Macrophage M1/M2 Polarization

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ROBO2 is a Stroma Suppressor Gene in the Pancreas through Regulation of TGF-beta

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Evidence for Computed Tomographic (CT) Angiography as the Standard-of-care Test in the Diagnosis of Post-Pancreatoduodenectomy Haemorrhage

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Continued Failure to Operate on Early Stage Pancreatic Cancer

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Neutrophil-Lymphocyte Ratio in Acute Pancreatitis: Diagnostic and Prognostic Role

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ADM are Classified Three Distinct Phenotypical Profiles Depending on its Different Microenvironment

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LAT2 Regulates Glutamine-dependent mTOR Activation to Promote Glycolysis and Chemoresistance in Pancreatic Cancer

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Clinical Characteristics, Prognosis, and CFTR Mutations of Cystic Fibrosis in Japan

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World-Wide Variance in Reporting of Elective Surgery for Chronic Pancreatitis

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Visibility, Artifact and Migrations Using Three Types of Fiducial Marker Placement with a 22- Gauge Needle for Pancreatic Ductal Adenocarcinoma Patients Receiving Stereotactic Body Radiation Therapy

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Sonic Hedgehog Signaling Pathway Promotes Pancreatic Cancer Pain via Nerve Growth Factor

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Diffusion-Weighted Magnetic Resonance Imaging of Pancreatic Ductal Adenocarcinoma: Correlation with Metastatic Disease Potential and Overall Survival

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Survival Trends for Resectable Pancreatic Cancer Using a Multidisciplinary Conference

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Is Diabetes Being Ignored in Patients with Pancreatic Cancer?

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Defining Pancreatitis as a Risk Factor for Pancreatic Cancer: The Role, Incidence, and Timeline of Development

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Retrospective Comparison Analysis between Pathology and the Fukuoka Consensus Guidelines in Resected Imms in a Single Center

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Predicting Survival of PDAC Patients after Radical Resection: A Multi-omics Approach

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Insulin Promotes Invasion and Migration of HPNE Cells by Up-Regulating MMP-2 Gelatinolytic Activity via ERK-And PI3K- Dependent Signaling

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Distal Pancreatectomy with Resection of the Celiac Axis (DP-CAR) for Pancreatic Cancer

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Clinical Characteristics of Ascites after Pancreatic Surgery and CT-Guided Percutaneous Catheter Drainage: A Single-Center Retrospective Analysis

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Arterial Resection in Radical Pancreatectomy for Pancreatic Cancer

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