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MESSAGE FROM THE APA PRESIDENT

Dear Friends and Colleagues,

We are excited to be "Together Again," which is the theme for the Presidential Reception on Wednesday, November 3rd at the 52nd Annual Meeting of the American Pancreatic Association (APA) at the Eden Roc Miami Beach. On behalf of the APA and its governing board, I am pleased to welcome you to contribute to our mission of fostering clinical and basic science research needed to cure diseases of the pancreas at our virtual meeting. Whether you are joining us in person in Miami, or virtually, we look forward to being Together Again.

The meeting will feature invited speakers, oral abstract presentations, and well over 200 original research presentations to be showcased in person, and in an ePoster Gallery located in the on-demand section of our virtual platform complete with Spotlight Videos, a Virtual Exhibit Hall and networking opportunities for attendees to engage at their leisure. The on-demand meeting content will be accessible to attendees through an easy to navigate virtual platform for 3 months post-meeting.

Thank you to our program committee who has brought together a program that is sure to drive great discussion with session topics kicking off Wednesday with the Satellite Symposium Necrotizing Pancreatitis: Progress and Future Therapies. Other topics include interventions and emerging technologies in pancreatitis and PDAC, and more! The annual Hirshberg Symposium will address genomics in Pancreatic Cancer.

We remain grateful to our supporting foundations and corporate sponsors that enable us to honor the research of our young investigators. I look forward to welcoming you to Miami, or connecting with you through our virtual meeting platform.

With best wishes,

O. Joe Hines MD
President, American Pancreatic Association
Registered attendees are eligible to apply for CME credits within the meeting app until May 3, 2022.

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PROGRAM OBJECTIVES
The American Pancreatic Association 2021 Annual Meeting is intended for pancreatologists, endoscopists, surgeons, pathologists, radiologists, oncologists and basic scientists to learn and discuss current clinical and laboratory research related to the treatment of pancreas diseases.

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SCIENTIFIC SCHEDULE
7:00am – 7:00pm  Registration Open (Eden Roc II Foyer)

**Satellite Symposium | Necrotizing Pancreatitis: Progress and Future Therapies**
Welcome - Miklos Sahin-Toth MD, PhD | David Geffen School of Medicine at UCLA

8:00am – 9:45am

**Biology of Necrotizing Pancreatitis**
Eden Roc II
Moderators:
O. Joe Hines MD | David Geffen School of Medicine at UCLA
Aliye Uc MD | University of Iowa

**Types of Cell Death in Pancreatitis**
Anna S. Gukovskaya PhD | UCLA / VA Medical Center

**Role of Mitochondria and Ischemia in Necrotizing Pancreatitis**
Robert Sutton DPhil | University of Liverpool

**Organ Failure in Pancreatitis**
Steven J. Pandol MD | Cedars-Sinai Medical Center

**The Local and Systemic Immune Response to Necrotizing Pancreatitis**
Julia Mayerle MD | LMU Munich

**Role of Proteases in Necrotizing Pancreatitis**
Baoan Ji MD, PhD | Mayo Clinic Florida

*Panel Discussion*

9:45am – 10:00am

**Morning Break**
Eden Roc II Foyer

10:00am – 11:00am

**Early Clinical Evaluation**
Eden Roc II
Moderators:
Jodie Barkin MD | University of Miami
Aida Habtezion MD, MSc | Stanford University / Pfizer

**Assessment and Biomarkers of Severe Pancreatitis**
David C. Whitcomb MD, PhD | University of Pittsburgh

**Imaging Diagnosis of Pancreatitis**
Thomas L. Bollen MD, PhD | St Antonius Hospital Nieuwegein/Utrecht

**Relation of Early Severity and Necrotizing Pancreatitis**
Vikesh K. Singh MD, MSc | Johns Hopkins University School of Medicine

*Panel Discussion*

11.00am – 12:30pm

**Medical Management of Necrotizing Pancreatitis**
Eden Roc II
Moderators:
Yan Bi MD, PhD | Mayo Clinic, Jacksonville
Dhiraj Yadav MD, MPH | University of Pittsburgh Medical Center

**Role of Fluids in Preventing Necrotizing Pancreatitis**
James Buxbaum MD | University of Southern California
Role of Antimicrobials in Necrotizing Pancreatitis
Santhi S. Vege MD, MACG, AGAF | Mayo Clinic
Pancreatic Necrosis – The Role of Nutrition
Chris Forsmark MD | University of Florida
Management of Acute Pancreatitis in Children
Maisam Abu-El-Haija MD, MS | Cincinnati Children’s Hospital Medical Center
Panel Discussion

12:30pm – 1:30pm
Attendee Lunch
Eden Roc I

1:30pm – 2:45pm
Interventions for Necrotizing Pancreatitis
Eden Roc II
Moderators:
Shounak Majumder MD | Mayo Clinic
Fred Gorelick MD | Yale School of Medicine
Approaches to Necrotizing Pancreatitis
Marc G. Besselink MD, PhD | Amsterdam UMC
Percutaneous Intervention of Necrotizing Pancreatitis
Surinder S. Rana MBBS, MD, DM | Postgraduate Institute of Medical Education and Research
Endoscopic Management of Necrotizing Pancreatitis
Guru Trikudanathan MD | University of Minnesota
Surgical Management of Necrotizing Pancreatitis
Nicholas Zyromski MD | Indiana University School of Medicine
Panel Discussion

2:45pm – 4:00pm
Long-Term Implications
Eden Roc II
Moderators:
Miklos Sahin-Toth MD, PhD | David Geffen School of Medicine at UCLA
Phil Hart MD | The Ohio State University Wexner Medical Center
Local Complications of Necrotizing Pancreatitis
Martin L. Freeman MD | University of Minnesota
Psychosocial Impact of Necrotizing Pancreatitis
Sean McGuire MD | Indiana University School of Medicine
Endocrine Complications & Exocrine Insufficiency After Necrotizing Pancreatitis
Melena D. Bellin MD | University of Minnesota
Future Approaches in Management of Necrotizing Pancreatitis
Markus M. Lerch MD | LMU University Hospital
Panel Discussion
5:00pm – 7:00pm
Hirshberg Symposium | Genomics in Pancreatic Cancer
Eden Roc II
Moderator:
O. Joe Hines MD | David Geffen School of Medicine at UCLA
Ashok Saluja PhD | University of Miami

- Precision Oncology for Pancreatic Cancer
  Andrew Biankin MD, PhD | University of Glasgow
- Precancerous Pancreatic Neoplasms: The "Serpent’s Egg"
  Laura D. Wood MD, PhD | Johns Hopkins University School of Medicine
- The Next Era in Genetics for Pancreatic Cancer
  Diane M. Simeone MD | NYU Langone
- Emerging Molecular Targets in Pancreatic Cancer
  Anirban Maitra MBBS | MD Anderson Cancer Center

7:00pm – 9:00pm
Presidential Reception “Together Again”
Eden Roc Garden
THURSDAY, NOVEMBER 4, 2021 | All times shown are Eastern Time

7:00am – 6:00pm  Registration Open (Eden Roc II Foyer)
7:00am – 6:00pm  Exhibits Open (Eden Roc II Foyer)

7:00am – 8:00am
Breakfast & Poster Viewing
Eden Roc I & Pompeii

8:00am – 10:00am
Abstract Session 1
Eden Roc II
Moderators:
Timothy R. Donahue MD | David Geffen School of Medicine at UCLA

The Double-Edged Sword of Chemotherapy – Single Cell RNA Sequencing of Human PDA Reveals T Cell Activation with Simultaneous Priming of Inhibitory Macrophages
Gregor Werba MD | NYU Langone Health

Investigating Molecular Underpinnings of Neoplastic Progression in Pancreatic Cysts using Spatial Transcriptomics
Marta Sans PhD | The University of Texas MD Anderson Cancer Center

The OHANA Project: Targeting Cancer, One Cell at a Time
David Ruddy | Novartis Institute for Biomedical Research

The IMMray® PanCan-d Test Performance and CA19-9: Results from the Blind Validation Study
Thomas King MD, PhD | Immunovia, Inc.

Collateral amplification of the KRAS linked gene PTHLH governs pancreatic cancer growth and metastasis and reveals a new therapeutic vulnerability
Jason Pitarresi PhD | University of Pennsylvania

Genetic pancreatitis variants are associated with different pain phenotype before TPIAT: Preliminary data from the POST cohort
Guru Trikudanathan MD | University of Minnesota

Identification of Focal Adhesion Kinase (FAK) as an Immunosuppressive Signal on Tumor Associated Neutrophils and Macrophages in Anti-PD1 Antibody Treated Pancreatic Ductal Adenocarcinoma (PDAC)
Arsen Osipov MD | Cedars Sinai Medical Center

Artificial Pancreas - Bihormonal Closed Loop Glucose Control -versus Current Care after Total Pancreatectomy (APPEL5+): Outpatient Randomized Controlled Crossover Trial
Charlotte Leonie van Veldhuisen MD | Amsterdam UMC

Developmental Lineages and Intratumoral Heterogeneity of Pancreatic Neuroendocrine Tumors at a Single-Cell Resolution
Jimmy Guo BA | Massachusetts General Hospital
Single-cell transcriptomics reveals a conserved metaplasia program in pancreatic injury
Kathleen E. DelGiorno PhD | Vanderbilt University

Inactivation of Notch4 suppresses pancreatic tumorigenesis in mice.
Kiyoshi Saeki MD, PhD | Columbia University

10:00am – 10:15am
Morning Break
Eden Roc II Foyer

10:15am – 11:30am
Emerging Technologies in Characterizing Pancreatitis
Eden Roc II
Moderators:
Chris Forsmark MD | University of Florida
Maisam Abu-El-Haija MD, MS | Cincinnati Children’s Hospital Medical Center

Cutting Edge Tools for Immune Phenotyping of Pancreatitis: From FACS to Cytof, to Single Cells, TCR and CODEX
Aida Habtezion MD, MSc | Stanford University / Pfizer

Secondary Analyses of Existing Data Sets to Decipher Drug-Induced Pancreatitis
Anil Jegga DVM, MRes | Cincinnati Children’s Hospital Medical Center

Using Open Source Data to Complement the Study of Pancreatitis
Sohail Husain MD | Stanford University

11:30am – 12:00pm
Frank Brooks Lecture
Eden Roc II
Introduction: Ashok Saluja PhD | University of Miami

Hereditary Pancreatitis: 25 Years of an Evolving Paradigm
Miklos Sahin-Toth MD, PhD | David Geffen School of Medicine at UCLA

12:00pm – 2:00pm
Lunch & Poster Viewing
Eden Roc I & Pompeii

2:00pm – 3:15pm
Abstract Session 2
Eden Roc II
Moderators:
Guy Groblewski PhD | University of Wisconsin
Bomi Lee PhD | Stanford University

Postponed or immediate drainage of infected necrotizing pancreatitis (POINTER): a multicenter randomized trial
Marc Besselink MD | Amsterdam UMC

A Systems Approach Reveals a Therapeutic Role for Retinoids in Asparaginase-Associated Pancreatitis
Cheng-Yu Tsai PhD | Stanford University
Evidence for Multiple and Overlapping Pain Mechanistic Factors in Patients With Chronic Pancreatitis: It is Both the Plumbing and the Wiring
Mahya Faghih MD | Aalborg University Hospital

Chronic Pancreatitis Prognosis Score (COPPS): results from an international prospective multicenter validation study
Georg Beyer MD | LMU University Hospital Munich

A Pre-clinical Mouse Model of Pnlip T221M Develops Chronic Pancreatitis through Protein Misfolding
Xunjun Xiao PhD | Washington University in St. Louis

Immune enhancement to reduce the incidence of infected pancreatic necrosis: a double-blind randomized controlled trial.
Ke Lu Associate Professor | SciClone Pharmaceuticals

Heterozygous SPINK1 Deficiency Promotes Progressive Pancreatitis in Mice
Alexandra Demcsák MD, PhD | University of California, Los Angeles

3:15pm – 4:30pm
Emerging Therapy and Surgery of PDAC
Eden Roc II
Moderators:
Christopher Wolfgang MD, PhD | NYU Langone
Tien C. Ko MD | University of Texas Health Science Center Houston

Surgical Management of PDAC
Timothy R. Donahue MD | David Geffen School of Medicine at UCLA

Surgical Therapy of PDAC
Markus Büchler MD | University of Heidelberg

Pain Management in PC
Sabita Roy PhD | University of Miami Health System

BRCA Mutation
Talia Golan MD | Sheba Medical Center

4:30pm – 4:45pm
Afternoon Break
Eden Roc II Foyer

4:45pm – 6:00pm
Microbiota – Impact on Pancreatitis
Eden Roc II
Moderators:
Julia Mayerle MD | LMU Munich
Carlos Fernandez-del Castillo MD | Massachusetts General Hospital

Modulating Fecal Microbiota to Influence Severity of Acute Pancreatitis – From Mice to Man
Cemal Yazici MD, MS | University of Illinois at Chicago
Microbiome: Pancreatitis and Pancreatic Cancer a Continuum
Cindy Neuzillet MD, PhD | Institut Curie
Gut Microbiota Effects Disorders of the Enteric Nervous System
Ihsan Ekin Demir MD, PhD | Technical University of Munich

7:00pm – 10:00pm
Reception & Awards Dinner
Spa Garden & Eden Roc I
7:00am – 5:00pm  Registration Open (Eden Roc II Foyer)
7:00am – 5:00pm  Exhibits Open (Eden Roc II Foyer)

7:00am – 8:00am
Breakfast & Poster Viewing
Eden Roc I & Pompeii

8:00am – 10:00am
Abstract Session 3
Eden Roc II
Moderators:
Jill Smith MD | Georgetown University
Nagaraj Nagathihalli PhD | University of Miami

Early detection and minimally invasive management of complications reduces mortality after pancreatic resection: the nationwide PORSCH trial
Anne Claire Henry | Regional Academic Cancer Center Utrecht, St. Antonius Hospital, University Medical Center Utrecht

Crosstalk between cancer associated fibroblast soluble mediators and pancreatic cancer cells facilitate an invasive phenotype
Emily Greene MS | Emory University School of Medicine

Next-Generation Sequencing of Pancreatic Cyst Fluid is Sensitive and Specific for the Classification and the Detection of Advanced Neoplasia in Mucinous Cysts: A Prospective Multi-Institutional Study
Allyson Richardson MD | University of Pittsburgh Medical Center

Enteroendocrine Cell Formation is an Early Event in Pancreatic Tumorigenesis
Leah Caplan BS | Vanderbilt University

Pancreatic Cancer Detection Using Epigenomic and Genomic Signatures in Plasma-Derived Cell Free DNA in High-Risk Patients With New Onset Diabetes
Gulfem Guler PhD | Bluestar Genomics

Mucin 5AC Tunes Adipose-Mesenchymal Stem Cells to Regulate Stromal Heterogeneity in Pancreatic Cancer
Koelina Ganguly PhD | University of Nebraska Medical Center

Hemoglobin A1C Further Stratifies risk of Cancer Among Patients with Family History of Pancreatic Cancer (PDAC)
Eva Lustigova MPH | Kaiser Permanente

A Unique subset of cytotoxic effector memory T cells enhances the efficacy of CAR T cell therapy in a model of Pancreatic ductal adenocarcinoma
Vanaja Konduri PhD | Baylor College of Medicine
The Effect of CFTR Modulators on Acute Pancreatitis and Exocrine Pancreatic Function in Patients With Cystic Fibrosis: A Systematic Review of the Literature
Mitchell Ramsey MD | The Ohio State University Wexner Medical Center

Occult polyclonality of preclinical pancreatic cancer models drives in vitro evolution.
Maria Monberg BS | The University of Texas MD Anderson Cancer Center

Generating Patient-Derived Organoid Models of Disease from Pre-treated Patients in a Clinically Certified Laboratory Setting: A Critical Step Towards Precision Medicine in Pancreatic Cancer
Haley Zlomke MD | Johns Hopkins University

Interplay of Orai1 Ca2+ channel and Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) in epithelial physiology
Arpad Varga MSc | University of Szeged

10:00am – 10:30am
**Paul Webster Lecture**
Eden Roc II
Introduction:
Anil K. Rustgi MD | Columbia University Irving Medical Center

What I Learned from Pancreatitis
Vijay P. Singh MBBS, MD | Mayo Clinic Arizona

10:30am – 10:45am
**Morning Break**
Eden Roc II Foyer

10:45am – 12:00pm
**Tumor Microenvironment and Drug Resistance in PDAC**
Eden Roc II
Moderators:
Nipun Merchant MD | University of Miami
Gloria Su PhD | Columbia University Irving Medical Center

**Immunotherapy**
Manuel Hidalgo Medina, MD, PhD | Weill Cornell Medicine

**Microenvironment and Mouse Model of PC**
Marina Pasca Di Magliano PhD | University of Michigan

**NRF2, Tumor Microenvironment**
Iok In Christine Chio PhD | Columbia University Medical Center

**Drug Resistance in Pancreatic Cancer**
Colin Weekes MD, PhD | Massachusetts General Hospital

12:00pm – 2:00pm
**Lunch & Poster Viewing**
Eden Roc I & Pompeii
2:00pm – 2:30pm
APA Business Meeting
Eden Roc II

2:30pm – 4:00pm
**Acute Pancreatitis (AP): Current Guidelines and Standards of Care**
Eden Roc II
Moderators:
Melena Bellin MD | University of Minnesota
Walter Park MD, MS | Stanford University

- **Endoscopic Management of WON**
  Raman Muthusamy MD | David Geffen School of Medicine at UCLA
- **Japanese Clinical Guidelines for Pancreatitis**
  Yoshifumi Takeyama MD, PhD | Kindai University Faculty of Medicine
- **Improving the Prognosis of Severe AP (Early and Late Phase): Methods of Prognostication and Potential Interventions**
  Bechien U. Wu, MD, MPH | Kaiser Permanente Los Angeles Medical Center
  Péter Hegyi MD | Semmelweis University
- **International Trends in Treatment of Pancreatitis: Differences in Treatment Patterns**
  Georgios Papachristou MD, PhD | OSU Medical Center

4:00pm – 4:15pm
**Afternoon Break**
Eden Roc II Foyer

4:15pm – 5:15pm
**Chronic Pancreatitis (CP): Current Guidelines and Standards of Care**
Eden Roc II
Moderators:
Arain Mustafa MD | University of California San Francisco
Amit Grover MD | Boston Children’s Hospital

- **Long-Term Prognosis of CP**
  Dhiraj Yadav MD, MPH | University of Pittsburgh Medical Center
- **Update of the Pathogenesis of CP**
  Rodger A. Liddle MD | Duke University
- **Nutritional Management of CP: Beyond PERT**
  Rupjyoti Talukdar MD, FICP, AGAF | Asian Institute of Gastroenterology
- **EUS in Early Diagnosis of Chronic Pancreatitis: Ready for Prime Time?**
  Walter Park MD, MS | Stanford University

4:15pm – 5:15pm
**Early Detection and Diagnostic Imaging in PDAC**
Eden Roc I
Moderators:
Min Li PhD | University of Oklahoma
Sudhir Srivastava PhD, MPH | National Cancer Institute
Screening for Pancreatic Cancer Based on a Blood Biomarker Panel
Samir Hanash MD, PhD | MD Anderson Cancer Center

Endoscopic Diagnosis of Pancreatic Cancer
Venkata S. Akshintala MD | Johns Hopkins University School of Medicine

MUC4 Signaling and Early Detection of PC
Surinder Batra PhD | University of Nebraska Medical Center

Liquid Biopsies
Klaus Pantel MD | Institute of Tumor Biology

5:15pm – 6:30pm
Parallel Abstract Session 4
Eden Roc II
Moderator:
Vineet Gupta PhD | University of Miami
Carlos Fernandez-del Castillo MD | Massachusetts General Hospital

Hematopoietic Progenitor Kinase 1 is a Key Regulator for Ras Activity in Early Pancreatic Carcinogenesis
Hua Wang MD, PhD | The University of Texas MD Anderson Cancer Center

Piezo1 Channel Opening Induces Stellate Cell Activation and Pressure-induced Pancreatic Fibrosis
Sandip Swain PhD | Duke University School of Medicine

Liver damage enhances pancreatic cancer liver metastasis
Nikki Lytle PhD | Salk Institute for Biological Studies

A comparison between PDX tumors and PDX-derived cell lines highlights the molecular plasticity of pancreatic ductal adenocarcinoma.
Taisuke Baba PhD | Massachusetts General Hospital

Impact of biliary stents on the diagnostic accuracy of EUS-guided tissue acquisition of solid pancreatic head lesions: a multicenter study.
Stefano Francesco Crinò MD | University of Verona

Rationale of using the combination of anti-PD-1 antibody and anti-IL-8 antibody for the pancreatic cancer treatment
Lei Zheng MD, PhD | Johns Hopkins University

Next generation sequencing (NGS) based evaluation reveal dysbiotic mycobiome (fungome) in walled of necrosis in patients with acute pancreatitis
Priyanka Sarkar PhD | Asian Institute of Gastroenterology, Hyderabad, India

5:15pm – 6:30pm
Parallel Abstract Session 5
Eden Roc I
Moderators:
Georg Beyer MD | LMU University Hospital Munich
Rajinder Dawra PhD | University of Miami
High mobility group box 1 (HMGB1) hyperacetylation and secretion by acinar cells in acute pancreatitis is associated with the PRSS1 p.R122H mutation
Richard Waldron PhD | Cedars Sinai Medical Center

POLO: patient-centered outcomes with maintenance olaparib in patients with a germline BRCA mutation and metastatic pancreatic cancer
Hyun Kyoo Yoo | AstraZeneca, as part of an alliance with and Merck Sharp & Dohme Corp., a subsidiary of Merck & Co., Inc.

Human PRSS2 and PRSS1-R122H cooperatively cause spontaneous hereditary pancreatitis in transgenic mice
Jiale Wang MD | Mayo Clinic

Hyperalgesia in chronic pancreatitis patients with and without pain: past experience matters
Benjamin Bick MD | University of Pittsburgh Medical Center

Pirfenidone Ameliorates Acute Pancreatitis by increasing Interleukin-10 from macrophages
Ejas Palathingal Bava MD | University of Alabama at Birmingham

7:00pm – 9:00pm
Diversity, Equity and Inclusion in Pancreas Symposium
Eden Roc I
Moderators:
Melena Bellin MD | University of Minnesota
Aida Habtezion MD, MSc | Stanford University / Pfizer
Aliye Uc MD | University of Iowa

Keynote Speaker: Omaida C. Velazquez MD, FACS | University of Miami
7:30am – 12:00pm  Registration Open (Eden Roc II Foyer)

7:30am – 8:30am  
**Breakfast**  
Eden Roc I

8:30am – 9:30am  
Pain in Pancreatitis: How Do We Assess it and How Do We Treat It?  
Eden Roc II  
Moderator:  
Sabita Roy PhD | University of Miami Health System  
Chris Forsmark MD | University of Florida  
Pathogenesis and Management of Pain in Acute and Chronic Pancreatitis  
Asbjørn M. Drewes MD, PhD | Aalborg University Hospital  
Can Quantitative Sensory Testing Diagnose Central Sensitization in the Clinic?  
Vikesh K. Singh MD, MSc | Johns Hopkins University School of Medicine  
When is Surgery the Next Best Step  
Gregory Beilman MD | University of Minnesota  
Considerations for Clinical Trials on Pain in Chronic Pancreatitis  
Phil Hart MD | The Ohio State University Wexner Medical Center

9:30am – 10:30am  
**Tumor Initiation, Progression, and Metabolic Stress of PDAC**  
Eden Roc II  
Moderator:  
Vikas Dudeja MD | University of Alabama at Birmingham

- **Metabolism (Autophagy and Cachexia) and the Immune System**  
  Hana Algül PhD | Comprehensive Cancer Center Munich, Technical University of Munich  
- **Novel Radiotherapy Strategies for Pancreatic Cancer**  
  Richard Tuli MD, PhD | Tampa General Hospital  
- **c-MYC Signaling in PC**  
  Rosalie Sears PhD | Oregon Health & Science University  
- **Endocrine-Exocrine Reprogramming in Obesity-Driven PC**  
  Mandar D. Muzumdar MD | Yale University School of Medicine

10:30am – 10:45am  
**Morning Break**  
Eden Roc II Foyer

10:45am – 11:45am  
**COVID and Pancreatitis**  
Eden Roc II  
Moderator:  
Sohail Husain MD | Stanford University  
Sundaram Ramakrishnan PhD | University of Miami  
How Ignoring the Exocrine Pancreas Increased Deaths from COVID-19  
Vijay P. Singh MBBS, MD | Mayo Clinic Arizona
COVID and Acute Pancreatitis
Martin L. Freeman MD | University of Minnesota

COVID-19 and Acute Pancreatitis: A Dual Disease Model
Pramod Garg MD | All India Institute of Medical Sciences

11:45am – 12:45pm
PanCAN Symposium
Eden Roc II
Moderator: Margaret Tempero MD | University of California San Francisco
O. Joe Hines MD | David Geffen School of Medicine at UCLA

Nutrient Availability in the Microenvironment Rewires Pancreatic Cancer Cell Metabolism
Alex Muir PhD | University of Chicago

Intestinal Control of Pancreatic Exocrine Immunity
Daria Esterhazy PhD | University of Chicago

Oncogenic Circuitries of GNAS Mutant Pancreatic Neoplasms
Krushna Patra PhD | University of Cincinnati

12:45pm – 1:30pm
Attendee Lunch
Eden Roc I
Markus Lerch is a professor of medicine, physician-in-chief and CEO of LMU University Hospital in Munich, one of Europe’s leading institutions for medical research, education and patient care.

He grew up in the Rhineland and majored in Philosophy and Art History before attending Medical School in Freiburg, Glasgow, Toronto and at the University of Massachusetts. In 1984 he completed his MD in Freiburg with experiments using isolated pancreatic lobules, his first exposure to the pancreas field that has never since ceased to fascinate him. After a Pathology Internship in Freiburg, where he was shown how to operate an electron microscope, he completed a residency in Internal Medicine at the Technical University of Aachen. Supported by the German Research Council (DFG) he worked as a post doc with Michael Steer and Ashok Saluja in Boston, interrupted by training in cell biology with Jacopo Meldolesi in Milano, Italy, and followed by a faculty appointment at Harvard. On his return to Germany in 1992 he was board certified in Gastroenterology and obtained a second doctorate from the University of Ulm (Habilitation, D.Sc. equivalent) for work on the cell biology of pancreatitis and was promoted to reader and clinical consultant. In 1994 he moved to the Max-Planck-Institute for Biochemistry and the lab of Axel Ullrich in Munich as a staff scientist and was later board certified in Biochemistry. From 1996 he worked as an assistant professor and consultant gastroenterologist in Homburg (Saar), and as tenured associate professor at the University of Münster (1997-2003) before he accepted a full professorship at the University of Greifswald (founded in 1456), where he served as chairman of the Department of Medicine A and Vice Dean for Research and Clinical Affairs until 2020.

The research of his group has been continuously funded, is focused on the pathophysiology, cell biology and genetics of pancreatic disorders, remained by design translational, and has resulted in more than 760 publications (https://orcid.org/0000-0002-9643-8263). It has defined pancreatic acinar cell as the primary site of injury in pancreatitis and discovered (transient) blockage of pancreatic secretion and missorted endocytosis as initiating events of gallstone-induced pancreatitis, a discovery subsequently confirmed in patients. His group was the first to identify the type of calcium release from ER stores that leads to intracellular protease activation and characterized the role of lysosomal enzymes in this process. The observation that Magnesium can block trypsin activation has initiated two clinical trials. More recent investigations have elucidated the role of immune cells, not only in the severity, but also the onset of pancreatitis, particularly the role of macrophages and the NLRP3 inflammasome. Translational studies using population-based and patient cohorts permitted the identification of novel genetic risk factors, specifically ABO-blood type B and FUT213, of biomarker signatures for distinguishing pancreatitis from cancer, and established the exocrine pancreas as the most critical regulator of the intestinal microbiota composition.

Markus Lerch has served as secretary (2002-2007) and president (2018) of the European Pancreatic Club and president of the German Gastroenterological Society (DGVS, 2011-2017). He worked as associate editor for the journal Gut (2003-2009) and served on the editorial boards of Gastroenterology, Pancreas, Pancreatology and the Am. J. Physiol.. He was awarded the EPC Lifetime Achievement Award in 2016 and the George-Palade-Prize of the International Pancreatic Association in 2018. In 2001 he was elected an Honorary Fellow of the Glasgow Royal College of Physicians and Surgeons (FRCP), in 2015 appointed by the German President to the National Council of Science and Humanities (Wissenschaftsrat) and in 2017 elected as member to the European Academy of Science (Academia Europaea).
References


In 1996, Birsic’s sister-in-law, Joan Birsic Dawson, was diagnosed with pancreatic cancer at the age of 38. Stunned at the lack of information, and patient and caretaker support, she co-founded the National Pancreas Foundation (NPF) with Boston resident, Jane Holt, who suffers from chronic pancreatitis.

Birsic continues to be an active member of the national Board of Directors, as well as the chair of the Western PA Chapter of NPF. She also sits on the Collaborative Alliance for Pancreas Education and Research (CAPER) Board of Directors. Birsic regularly attends pancreas, GI and NIH conferences in the United States, as well as campaigning on Capitol Hill for increased research dollars and patient reimbursable insurance funds. The Society for Surgery of the Alimentary Tract honored Birsic in 2010 with the Public Service Award and she was recognized with her volunteerism with the 2012 Joan Birsic Dawson Service award and the 2021 NPF Volunteerism Award during the NPF Virtual Gala.

She is a member of the Women Leaders Initiative United Way program and volunteers for the National Ability Center and Catholic Charities. Birsic is a 1977 graduate from the University of Notre Dame. A resident of Park City, UT, Birsic enjoys anything outdoors- hiking, skiing, tennis, and water sports.
Diagnosed with chronic pancreatitis in the nineties, Jane embraced her calling as patient advocate, partnering with Patter Birsic to launch the National Pancreas Foundation (NPF) in 1997. NPF is still the country’s only nonprofit organization dedicated to improving the quality of life for patients suffering from all forms of pancreas disease – pediatric, acute, and chronic pancreatitis, along with pancreatic cancer. Since its inception, the foundation has significantly and fundamentally changed the trajectory of pancreatic research, patient education and support.

In her capacity as co-founder of the NPF and in partnership with the organizations leadership, Jane helped launched the NPF Fellows Symposium to ensure young researchers enter the field of pancreatic disease research, developed the National Pancreas Foundation Patient Registry to better understand the natural history of pancreatic disease, and founded the National Pancreas Foundations Centers of Excellence to improve the treatment and care outcomes for pancreatic patients.

A tireless advocate, Jane has received numerous awards and recognitions for her work including appointments to the Executive Board of the Digestive Disease National Coalition in 2003, named chair in 2010; the National Commission of Digestive Disease in 2006 where she served as Chair of the Pancreas working group identifying new and emerging areas of research; a four-year term with the National Institute of Diabetes and Digestive and Kidney Diseases Advisory Council in 2010 where she and Dr. Anil Rustgi organized the 2012 and 2013 Pancreas Workshops that led to the current NIDDK-NCI Consortium for the Study of Chronic Pancreatitis, Diabetes and Pancreatic Cancer; a six-year term with the National Cancer Institute Gastrointestinal Cancer Steering Committee, and acted as a consumer reviewer with the Department of Defense Peer Review Medical Research Program.

A graduate of Skidmore College with a B.A. in Biochemistry, Jane lives in Boston, MA and Sonoma, CA with her husband Tom and her dog LouLou. In her spare time, she can be found surrounded by her four adult children, their spouses and ten grandchildren.
Understanding Local and Systemic Immune Responses During Mild Acute Pancreatitis, Severe Acute Pancreatitis, and Recovery

Murli Manohar PhD
Stanford University

Role of APOBEC3A in Pancreatitis and Inflammation Triggered Carcinogenesis

Sonja Woermann PhD
University of Texas MD Anderson Cancer Center

Early Pathogenesis of SPINK1 Deficiency in a Ferret Model

Xingshen Sun BS, MS, PhD
University of Iowa
YOUNG INVESTIGATOR TRAVEL AWARD

Georg Beyer MD | LMU Klinikum
Anna Bianchi MS | University of Miami
Leah Caplan BS | Vanderbilt University
Katelyn Cassel | University of Wisconsin
Stefano Francesco Crinò MD | University of Verona
Kathleen E. DelGiorno PhD | Vanderbilt University
Alexandra Demcsák MD, PhD | University of California, Los Angeles
Anshuman Elhence MD | All India Institute of Medical Sciences, New Delhi
Furkan Ertem MD | University of Pittsburgh Medical Center
Annika Eurola MD | University of Helsinki, The Finnish Cultural Foundation
Mahya Faghih MD | Aalborg University Hospital
Koelina Ganguly PhD | University of Nebraska Medical Center
Emily Greene MS | Emory University School of Medicine
Jimmy Guo BA | Massachusetts General Hospital
Vineet Gupta PhD | University of Miami
Anne Claire Henry | Regional Academic Cancer Center Utrecht, St. Antonius Hospital,
University Medical Center Utrecht
Cheng-Hu MD, PhD | West China Hospital
Wataru Izumo MD, PhD | Institute of Gastroenterology, Tokyo Woman's Medical University
Aparna Jakkampudi MSc | Asian Institute of Gastroenterology, Hyderabad, India
Vanaja Konduri PhD | Baylor College of Medicine
Gaurav Kumar PhD | University of Oklahoma Health Sciences Center
Bomi Lee PhD | National Institute of Health
Anna Lilly MS | Fox Chase Cancer Center
Nikki Lytle PhD | Salk Institute for Biological Studies
Murli Manohar PhD | Stanford University
Kyle McAndrews BS | University of Nebraska Medical Center
Alpha Raj Mekapogu PhD | University of New South Wales
Maria Monberg BS | The University of Texas MD Anderson Cancer Center
Grace Oh MD | NYU Langone Health
Arsef Osipov MD | Cedars Sinai Medical Center
Kashif Osmani BS | University of Illinois at Chicago
Benjamin Bick MD | University of Pittsburgh Medical Center
Jason Pitarresi PhD | University of Pennsylvania
Mitchell Ramsey MD | The Ohio State University Wexner Medical Center
Felipe Renna | University of Buenos Aires and CONICET, Buenos Aires, Argentina
Allyson Richardson MD | University of Pittsburgh Medical Center
Kiyoshi Saeki MD, PhD | Columbia University
Marta Sans PhD | The University of Texas MD Anderson Cancer Center
Priyanka Sarkar PhD | Asian Institute of Gastroenterology, Hyderabad, India
Manish Kumar Sharma PhD | All India Institute of Medical Sciences, New Delhi, India
Si Shi MD | Fudan University Shanghai Cancer Center
Sandip Swain PhD | Duke University School of Medicine
Guillaume Tosato IRCM | Cancer Research Institute of Montpellier, IRCM, Campus Val d'Aurelle, Parc Euromédecine, INSERM, U1194, Montpellier, France
Utpreksha Vaish PhD | University of Alabama at Birmingham
Charlotte Leonie van Veldhuisen MD | Amsterdam UMC
Arpad Varga MSc | University of Szeged
Sini Vehviläinen | Helsinki University
Jiale Wang MD | Mayo Clinic
Gregor Werba MD | NYU Langone Health

APA 2021 ANNUAL MEETING | EDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021
YOUNG INVESTIGATOR TRAVEL AWARD CONTINUED…

Dalai Xu | National Natural Science Foundation of China
Yi Yang PhD | University of North Carolina, Chapel Hill
Kohei Yasunaga MD, PhD | University of California, Los Angeles
Zhijun Zhou MD | University of Oklahoma Health Sciences Center
Haley Zlomke MD | Johns Hopkins University

APA PROMISING PANCRETOLOGIST AWARD

Cordelia Li | Glenda Dawson High School (12th grade)
The following speakers and planners have indicated relevant financial relationships with the following commercial interests:

<table>
<thead>
<tr>
<th>Name</th>
<th>Name of Commercial Company(ies)</th>
<th>Nature of Relationship(s)</th>
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<tr>
<td>Dirk Arnold</td>
<td>● Aduro Biotech&lt;br&gt;● AstraZeneca&lt;br&gt;● Bayer&lt;br&gt;● Blueprint&lt;br&gt;● Boehringer-Ingelheim&lt;br&gt;● Bristol Myers Squibb&lt;br&gt;● Deciphera&lt;br&gt;● GlaxoSmithKline&lt;br&gt;● Harpoon&lt;br&gt;● INHIBRx&lt;br&gt;● Inventiva&lt;br&gt;● Lilly&lt;br&gt;● Macrogenics&lt;br&gt;● Merck Sharp &amp; Dohme&lt;br&gt;● Novocure&lt;br&gt;● Polaris&lt;br&gt;● Seattle Genetics&lt;br&gt;● Verastem</td>
<td>● Aduro Biotech (research funding)&lt;br&gt;● AstraZeneca (Consulting or advisory role; travel, accommodations, expenses; research funding)&lt;br&gt;● Bayer (Consulting or advisory role; research funding)&lt;br&gt;● Blueprint (research funding)&lt;br&gt;● Boehringer-Ingelheim (Consulting or advisory role; travel, accommodations, expenses)&lt;br&gt;● Bristol Myers Squibb (Consulting or advisory role; research funding)&lt;br&gt;● Deciphera (Consulting or advisory role; research funding)&lt;br&gt;● GlaxoSmithKline (research funding)&lt;br&gt;● Harpoon (research funding)&lt;br&gt;● INHIBRx (Consulting or advisory role; research funding)&lt;br&gt;● Inventiva (Consulting or advisory role; travel, accommodations, expenses; research funding)&lt;br&gt;● Lilly (research funding)&lt;br&gt;● Macrogenics (research funding)&lt;br&gt;● Merck Sharp &amp; Dohme (Consulting or advisory role; travel, accommodations, expenses; research funding)&lt;br&gt;● Novocure (Consulting or advisory role)&lt;br&gt;● Polaris (research funding)&lt;br&gt;● Seattle Genetics (Consulting or advisory role; research funding)&lt;br&gt;● Verastem (research funding)</td>
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<td>Jodie Barkin</td>
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<td>Scientific Advisor</td>
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<tr>
<td>Melena Bellin</td>
<td>Ariel Precision Medicine; ViaCyte; Dexcom</td>
<td>Advisory Board; Grant/Research Support; Grant/Research Support</td>
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<tr>
<td>Andrew Biankin</td>
<td>BMS, AstraZeneca, MyTomorrows, Elstar Therapeutics, Culumus Oncology, Modulus Oncology, Wollemia Oncology</td>
<td>Cumulus, Modulus and Wollemia - leadership role, stock ownership</td>
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<tr>
<td>Wei Chen</td>
<td>Immunophotonics, Inc.</td>
<td>W.R. Chen is an unpaid member of the Board of Directors of Immunophotonics, Inc.</td>
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<tr>
<td>Gulsem Guler</td>
<td>Bluestar Genomics</td>
<td>Development of a test for pancreatic cancer detection in high-risk population</td>
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APA PROGRAM DISCLOSURES CONTINUED

The following speakers and planners have indicated relevant financial relationships with the following commercial interests:

<table>
<thead>
<tr>
<th>Name</th>
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<td>Vanaja Konduri</td>
<td>Diakonos Research Ltd</td>
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<td>Pan Li</td>
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<td>Rodger Liddle</td>
<td>Create Therapeutics</td>
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<tr>
<td>Landon Moore</td>
<td>COARE Biotechnology Inc</td>
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<td>Christopher Moreau</td>
<td>ConMed</td>
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<tr>
<td>Raman Muthusamy</td>
<td>Boston Scientific</td>
<td>Consultant</td>
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<tr>
<td>Stephen Pandol</td>
<td>Avenzoar</td>
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<tr>
<td>Walter Park</td>
<td>Abbvie, Nestle, Olympus</td>
<td>Advisory Board</td>
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<tr>
<td>Zachary Selover</td>
<td>ConMed</td>
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<tr>
<td>Suha Siddiqui</td>
<td>ConMed</td>
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<tr>
<td>Vijay Singh</td>
<td>Lamassu Pharma</td>
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<tr>
<td>Robert Sutton</td>
<td>CalciMedica Inc, EA Pharma, GlaxoSmithKline</td>
<td>Chair of Steering Committee for Phase IIb trial of Auxora in acute pancreatitis, Research funding to undertake preclinical assessment of Debio 025, Research funding to undertake preclinical assessment of a GSK compound in experimental acute pancreatitis</td>
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<tr>
<td>Omaida Velazquez</td>
<td>Ambulero Inc</td>
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<tr>
<td>David Whitcomb</td>
<td>Ariel Precision Medicine</td>
<td>Cofounder, Consultant and CSO</td>
</tr>
<tr>
<td>Allison Yang</td>
<td>Nestle Health Science</td>
<td>Participation in an advisory board meeting on uncoated pancreatic enzyme replacement</td>
</tr>
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THE ABOVE CONFLICTS HAVE BEEN RESOLVED.
POD 1. PanCan Diagnosed (a miRNA Approach): Using Feature Selection, Ensemble Algorithms, and Interpretability for the Early Diagnosis and Personalized Treatment of Pancreatic Cancer
Siya Goel | Purdue University

POD 2. Discovery and 3D imaging of deltaNp63-expressing basal cells in the human pancreatic duct that share characteristics with the basal-like molecular subtype of pancreatic cancer
Ilse Rooman PhD | Fonds Wetenschappelijk Onderzoek

POD 3. A uPA/uPAR axis in both the tumor cell and stromal compartment drives PDAC disease progression
Yi Yang PhD | University of North Carolina, Chapel Hill

POD 4. Single-cell Sequencing Unveils Distinct Immune Microenvironment in Human Chronic Pancreatitis
Bomi Lee PhD | National Institute of Health

POD 5. Neoadjuvant Therapy and the Prolonged Risk of Venous Thromboembolism in Resectable Pancreatic Cancer
Annika Eurola MD | University of Helsinki, The Finnish Cultural Foundation

POD 6. Oncogenic activation within Tff2 expressing cells of the pancreatic ductal glands increase stemness prior to PDAC formation in an inducible murine model of PDAC
Kyle McAndrews BS | University of Nebraska Medical Center

Mario Shields PhD | Northwestern University

POD 8. PAN-PROMISE Scale Can be Utilized in Diverse Acute Pancreatitis Cohorts in the US to Quantify Patient Well-Being
Kashif Osmani BS | University of Illinois at Chicago

POD 9. Impact on Survival and Molecular Signatures of Site-specific Metastases and Overall Survival in Pancreatic adenocarcinoma (PDAC) Patients: Results From a Single-center Experience
Nima Nikravesh | Cedars Sinai Medical Center

POD 10. Consensus Definition of Microlithiasis and Sludge as Cause of Biliary Pancreatitis: Results from an Expert Survey and Consensus Meeting at EPC 2021 Verona
Julia Mayerle Prof | LMU Klinikum

POD 11. The unique pancreatic stellate cell gene expression signatures are associated with the progression from acute to chronic pancreatitis
Cheng Hu MD, PhD | West China Hospital

POD 12. POLQ Knockout Induces Synthetic Lethality in HR-Deficient Pancreatic Cancer
Grace Oh MD | NYU Langone Health
POD 14. POLO: long-term safety and tolerability of olaparib for patients with a germline BRCA mutation and metastatic pancreatic cancer
Evan Lovett Reddick | AstraZeneca, as part of an alliance with and Merck Sharp & Dohme Corp., a subsidiary of Merck & Co., Inc.

POD 15. Ketamine infusion for pain management in hospitalized patients with Chronic Pancreatitis
Furkan Ertem MD | University of Pittsburgh Medical Center

POD 16. Machine Learning-Based Prediction of Pancreatic Cancer in Patients with Pancreas Parenchymal or Ductal Abnormality on Cross-Sectional Imaging
Qiaoling Chen MS | Kaiser Permanente

POD 17. Illuminating Histidine Phosphorylation in the Pancreatic Tumor Microenvironment
Natalie Luhtala PhD | Salk Institute for Biological Studies

POD 19. Chemoprevention of IPMN driven PDAC in KPSD4 mouse model
Gaurav Kumar PhD | University of Oklahoma Health Sciences Center

POD 20. Cancer Associated Fibroblast Secretome Induces Acinar to Ductal Transdifferentiation in Pancreatic Cancer
Seema Parte PhD | University of Nebraska Medical Center

POD 21. Neo-adjuvant Therapy (NAT) for Pancreatic Ductal Adenocarcinoma (PDAC) and Improvement in Glycemic Parameters
Shaleen Vasavada MD | The University of Texas MD Anderson Cancer Center

POD 22. Myeloid-derived TNF orchestrates immunosuppressive networks in the pancreatic cancer tumor microenvironment
Anna Bianchi MS | University of Miami

Iago De Castro Silva MD | University of Miami

POD 24. Toll Like Receptor 4 (TLR4) Agonism by LPS Stimulates Anti-Tumor Immunity in CD4+ T Cells and tumor microenvironment of Pancreatic Cancer
Utpreksha Vaish PhD | University of Alabama at Birmingham

◆ POD 25. Nutrient limitation induces phenotypic switch and exposes alternative dependencies of pancreatic tumor cells
Yogeve Sela PhD | University of Pennsylvania
POD 27. Symptomatic Type 3 autoimmune pancreatitis/immune checkpoint inhibitor pancreas injury (ICI-PI) leads to chronic pancreatic injury
Anusha Shirwaikar Thomas MD | The University of Texas MD Anderson Cancer Center

POD 28. Alteration of inflammatory modulators and plasma metabolites in patients having acute pancreatitis with infected pancreatic necrosis
Aparna Jakkampudi MSc | Asian Institute of Gastroenterology, Hyderabad, India

POD 29. Effect of Modulation of Autophagy by Rapamycin on Inflammation and Cell Death in the Caerulein-Induced Model of Severe Acute Pancreatitis in Mice
Manish Kumar Sharma PhD | All India Institute of Medical Sciences, New Delhi, India

P 58. Pancreatic fibrosis, acinar atrophy and chronic inflammation in surgical specimens associated with survival in patients with resectable pancreatic ductal adenocarcinoma
Taija Korpela MD | Helsinki University

P 61. Hypoxic Pancreatic Cancer Derived Exosomal miR-30b-5p Promotes Angiogenesis Through Inhibiting GJA1 Expression
Kai Chen MS | National Natural Science Foundation of China

P 62. Pooled Technical Success of Direct Percutaneous Endoscopic Jejunostomy (DPEJ) in Pancreatitis - Systematic Review & Meta-Analysis
Smit Deliwala MD | Michigan State University at Hurley Medical Center

P 63. Combinatory Indomethacin and Hydration is the Best Conservative Anti-inflammatory Therapy in Post-ERCP Pancreatitis Prevention: A Network Meta-analysis
Katalin Marta MD, PhD | University of Pecs Medical School

P 64. How Does Toxic Canine Acinar Cell Damage Causes Hyperstimulation Pancreatitis?
Thomas Dressel BME, MS, MD | University of Minnesota

P 65. Actions of Metformin and Statins on YAP/TAZ Activity in Pancreatic Cancer Cells
Linda Ye MD | University of California, Los Angeles

P 66. Ten-year nationwide survival of operated IPMNs
Yrjö Vaalavuo MD | Tampere University

P 67. Lower Alpha Diversity and Decreased Abundance of Faecalibacterium in the Gut Microbiota of Patients with Chronic Pancreatitis Compared With Healthy Controls
Kendall McEachron MD | University of Minnesota

P 68. Hospital Trends for Acute Pancreatitis Related to the COVID-19 Pandemic
Mitchell Ramsey MD | The Ohio State University Wexner Medical Center
P 72. Single-cell RNA Sequencing to Characterize the Response of Pancreatic Cancer to anti-PD-1 Immunotherapy
Jingz Zhou | University of Missouri

P 73. Circulating tumor DNA for early relapse detection and monitoring disease status in patients with early-stage pancreatic adenocarcinoma
Maen Abdelrahim MD, PhD, B Pharm | Houston Methodist Hospital

P 74. Functional characterization of human pancreatic ductal organoids in controlled polarity models
Arpad Varga MSc | University of Szeged

P 75. Hydrocortisone accelerates aging and reduces lifespan by insulin and FOXO signaling in C. elegans—implications for pancreatic cancer
Daniel Schrapel | University of Heidelberg

P 76. Influence of pancreatitis on COVID-19 severity and mortality in a large heterogeneous population
Brian Huang PhD | National Institute of Health

P 77. Development and Validation of a CIMP-Associated Prognostic Model for Pancreatic Cancer
Tong Li PhD | National Natural Science Foundation of China

P 78. Excess Risk due to Smoking and Effects of Quitting on Pancreatic Cancer Incidence in the Multiethnic Cohort Study (MEC)
David Bogumil MPH | University of Southern California

P 79. Evaluation of preoperative metrics on postoperative outcomes among aged patients after a pancreatic resection
Reea Ahola MD, PhD | Tampere University

P 80. Heme Oxygenase-1 Inhibition in Combination with Arsenic Trioxide as a Novel Combination for Pancreatic Cancer Treatment
Maher Abdalla MSc, PhD | University of Nebraska Medical Center

P 81. Heme Oxygenase-1 Inhibition in Combination with Arsenic Trioxide as a Novel Combination for Pancreatic Cancer Treatment
Maher Abdalla MSc, PhD | University of Nebraska Medical Center

P 84. Characterizing 2D and 3D Organoid Cultures Derived from Mouse and Human Pancreatic Specimens
Arpad Varga MSc | University of Szeged
P 85. p53/FBXL20 axis suppresses the protein stability of PR55α, a regulatory subunit of PP2A Ser/Thr phosphatase that supports oncogenesis of pancreatic cancer
Ying Yan PhD | University of Nebraska Medical Center

P 86. Association of Longitudinal Changes in Skeletal Muscle Mass with Survival in Patients with Pancreatic Cancer
Forrest Kwong BS | Oregon Health & Science University

P 87. Targeting the Urokinase Plasminogen Activator Pathway in Combination With Chemotherapy Inhibits Pancreatic Cancer Progression
S M Zahid Hosen | University of New South Wales

P 89. The Mesopancreatic Lamina: A Neglected Area During Pancreatoduodenectomy?
Sami-Alexander Safi MD | Heinrich-Heine-University and University Hospital Duesseldorf

P 92. Pharmacological Inhibition of DUSP6 Reveals a Potential Role in PDAC Metastasis
Mariana Ruckert MS | University of Kansas Medical Center

P 93. Organ-preserving direction of operations in patients with chronic pancreatitis based on monitoring morpho-functional changes in the pancreas as a new and effective concept in surgical pancreatology
Andrii Klymenko MD, PhD, Sc.D | Zaporizhzhia State Medical University

P 94. The role of histone deacetylases in Pancreatic Ductal Adenocarcinoma
Fatemeh Mousavi BSc | University of Western Ontario

P 95. Vasoactive Intestinal Peptide Receptor Signaling: A Novel and Targetable Immune Checkpoint Pathway in Pancreatic Cancer
Sruthi Ravindranathan PhD | Emory University School of Medicine

P 96. Defining the SPCA2C Interactome and its Role in Pancreatic Calcium Homeostasis
Petra Samardzija BMSc | University of Western Ontario, Children's Health Research Institute

P 98. Acinar Cell Carcinoma of the Pancreas. Analysis of 1186 Patients
Ali Kara BS | Texas Tech University Health Sciences Center El Paso

P 99. Creation of an isolated area with controlled characteristics in duodenum as a method of treatment of acute pancreatitis (AP)
Aleksei Kashintsev MD, PhD | PANDX ltd

P 100. Curcumin improves intracellular calcium perturbation and mitochondria function during fatty acid ethyl ester induced intestinal injury in acute pancreatitis
Xiaoying Zhang MD, PhD | West China Hospital
P 101. Activating Transcription Factor 3 has tumor and non-tumor specific roles in pancreatic ductal adenocarcinoma
Mickenzie Martin B.Sc. | University of Western Ontario

P 103. Optimal perioperative fluid therapy in patients undergoing pancreaticoduodenectomy – a retrospective single-center study
Piia Peltoniemi MD | Helsinki University

P 105. Spontaneous Pancreatic Portal Vein Fistulae: A systematic review
Natalie Griffin MD | University of Pittsburgh Medical Center

P 108. A Rare Case of Acute Pancreatitis Caused by Bevacizumab: Case Report and Review of Literature
Sarah Enslin PA | University of Rochester Medical Center

P 110. COVID-19 Pancreatitis: Association or Causation – A diagnostic dilemma
Sakshi Mishra MBBS, DNB, DLO | Saint Peter’s University Hospital

P 112. Similar Outcomes in Minimally Invasive Versus Open Management of Pancreatic Neuroendocrine Tumors: A Multi-Institutional Collaborative Analysis
Thomas Sutton MD | Oregon Health & Science University

P 113. A Computational Approach to Identify a Potential Inhibitor for MUC4 Mucin and its Therapeutic Efficacy in Pancreatic Ductal Adenocarcinoma
Chunmeng Zhang MD | University of Nebraska Medical Center

P 115. Biliary intraepithelial neoplasm (BillN) as a marker of risk for bile duct cancer
Andy Sohn MD | New York-Presbyterian Brooklyn Methodist Hospital

P 116. Pancreatic head vs body/tail cancers: are they different?
Maen Abdelrahim MD, PhD, B Pharm | Houston Methodist Hospital

P 117. Intraductal papillary neoplasm of bile should undergo en-bloc resection
James Hu MD | New York-Presbyterian Brooklyn Methodist Hospital

P 118. Chemotherapy induces increased expression of GATA6 relating to molecular subtype switching and chemoresistance in pancreatic cancer
Shigenori Ei MD | University Clinic Heidelberg
P 119. Lipopolysaccharides promote KrasG12D-induced early pancreatic carcinogenesis
Zhenhua Huang | University of Heidelberg

P 120. Efficacy of Systemic Administration of Mesothelin-Targeted Oncolytic Adenovirus In Pancreatic Cancer
Mizuho Sato-Dahlman PhD | National Cancer Institute of the National Institutes of Health

P 121. Protective effects of Urolithin A on Alcoholic Chronic Panreatitis via inhibiting PI3K/AKT/mTOR signaling pathway
Siddharth Mehra PhD | University of Miami

P 122. Quantitative proteomic analysis reveals early serum biomarkers associated with coagulopathy and organ failure in severe acute pancreatitis
Richard Waldron PhD | Cedars Sinai Medical Center

◆ P 123. Criteria Used to Define Cancer Cachexia Impacts the Interpretation of Plasma Fatty Acid Composition in Treatment-Naïve Metastatic Pancreatic Cancer
Kistyn Gumpper PhD | The Ohio State University Wexner Medical Center

P 124. Small Mucinous Cystic Neoplasms Often Lack Somatic Driver Gene Mutations
Michael Pflüger MD | Johns Hopkins University

P 125. Nuclear transport protein XPO1 inhibitor enhances the antitumor activity of KRASG12C inhibitors
Husain Khan PhD | Wayne State University

P 126. Number of worrisome features is associated with increasing risk of malignancy in Intraductal Papillary Mucinous Neoplasm (IPMN)
Piotr Zelga MD, PhD | Massachusetts General Hospital, Harvard Medical School

P 127. Lipotoxic Acute Cardiac Dysfunction Induced by Intracoronary Injection of Linoleic Acid – a Pilot Study in Adult Pigs to Understand Shock in Acute Pancreatitis
Marek Belohlavek MD, PhD | Mayo Clinic

◆ P 128. The role of growth differentiation factor 15 in acute pancreatitis
Qingyuan Tan MD | West China Hospital of Sichuan University

P 129. Platelet adherence to cancer cells promotes escape from innate immune surveillance in cancer metastasis
Mitsuyoshi Okazaki MD, PhD | Kanazawa University Hospital

P 130. Smart Exosome-Enhanced Tumor Targeting Drug Delivery for Efficient PDAC Therapies
Shi-He Liu MD | University of Toledo College of Medicine and Life Sciences

P 131. Machine Learning Algorithm Identifies Patients at Risk for Pancreatic Cancer in a 3-year Timeframe
Tamas Gonda | New York University School of Medicine
P 133. ABO Blood Group and Risk of Malignancy in Intraductal Papillary Mucinous Neoplasms
Piotr Zelga MD, PhD | Massachusetts General Hospital, Harvard Medical School

P 134. Smoking Induced Gut Microbial Dysbiosis Promotes Pancreatic Cancer Growth Through Ly6G+ Myeloid Cells
Tejeshwar Jain MBBS | University of Alabama at Birmingham

P 135. A PAF1-RAD52 Axis Impart Chemotherapy Resistance in Pancreatic Cancers Via Regulating The DNA Damage Response
Sanchita Rauth MS | University of Nebraska Medical Center

P 136. Cigarette Smoke and Alcohol exposure impaired parkin-mediated mitophagy and autophagy flux in alcoholic pancreatitis
Reetu Thakur PhD | Cedars Sinai Medical Center

P 137. Can resectability after neoadjuvant therapy be predicted “a priori”? An analysis of pancreatic cancer patients treated with total neoadjuvant FOLFIRINOX and chemoradiotherapy
Louisa Bolm MD | Massachusetts General Hospital

Louisa Bolm MD | Massachusetts General Hospital

P 140. Delineating the Molecular Basis of Early Dissemination of Pancreatic Cancer
Taelor Ekstrom BS | Oregon Health & Science University

P 141. International Comparison of Clinical Guidelines for Acute Pancreatitis
Yoshihisa Tsuji MD, PhD | Sapporo Medical University

P 142. Impact of Pancreatic Enzyme Replacement Therapy (PERT) on Clinical Outcomes in Non-resected (NR) Pancreatic Cancer (PC, NRPC): Initial Results
Vincent Picozzi MD, MMS | Benaroya Research Institute at Virginia Mason

P 143. PAK4-NAMPT Dual Inhibition Sensitizes Pancreatic Neuroendocrine Tumors to Everolimus
Md. Hafiz Uddin PhD | Wayne State University

P 145. A dual inhibitor of GSK3B and HDACs (Metavert) in combination with cytotoxics is synergistic in human pancreatic cancer cells and organoids
Jingyu An | Heidelberg University
P 148. Twist1 Evokes Matrix Metalloproteinase 9 Secretion in Activated Pancreatic Stellate Cells
Emma Geister BS | Augusta University

P 150. Targeting Endothelin Axis To Combat Immunosuppression In Pancreatic Cancer
Mansi Gulati MS | University of Nebraska Medical Center

◆ P 153. Bone Morphogenetic Protein 2 Plays a Pro-inflammatory Role in Aging-related Acute Pancreatitis
Yinjie Zhang PhD | The University of Texas Health Science Center at Houston

P 154. Inhibition of PDAC progression and metastasis by combination of Aspirin and metformin in KPC mice
Gaurav Kumar PhD | University of Oklahoma Health Sciences Center

P 155. The GSK3 kinases and LZTR1 protein control the stability of Ras family proteins and viability of pancreatic cancer cells
Neha Chaudhary BS | University of Nebraska Medical Center

P 156. Modulation of Early Neutrophil Granulation: The CTC-Extravesicular Connection in Pancreatic Ductal Adenocarcinoma
Harrys Kishore Charles Jacob PhD | University of Miami

P 157. Defining the prevalence and clinical impact of pancreatic steatosis among patients who undergo partial pancreatectomy
Sarah Coughlin MD | University of Pennsylvania

◆ P 158. Clinical Application of Trans-Sinus Gastric Stent Placement and Drainage in the Management of Persistent External Pancreatic Fistula
Yuhui Chen MD | Chinese People’s Liberation Army (PLA) General Hospital
P 162. Plasma metabolic profiling identify metabolic subtypes of pancreatic ductal adenocarcinoma
Georg Beyer MD | LMU Klinikum

P 163. Emodin attenuates acute pancreatitis-associated lung injury by suppressing pancreatic exosome-mediated alveolar macrophage activation
Meihua Wan MD | West China Hospital

◆ P 164. Metabolic measures before surgery and long-term diabetes outcomes in recipients of total pancreatectomy and islet autotransplantation
Yoshihide Nanno MD, PhD | Kobe University Graduate School of Health Sciences

◆ P 165. Germline pathogenic variants in familial pancreatic cancer
Kodai Abe MD | Keio University

◆ P 166. Pancreatoduodenectomy for pancreatic cancer with an aberrant right hepatic artery: Does tumor contact with the aberrant right hepatic artery impact surgical and survival outcomes?
Yuya Miura MD | Shizuoka Cancer Center

◆ P 167. A case of IgG4-related autoimmune pancreatitis that was difficult to distinguish from pancreatic cancer
Ryosuke Nakatsubo MD | Tokyo Medical University

◆ P 168. Long-term adjuvant chemotherapy improves the postoperative survival in pancreatic cancer patients with positive peritoneal lavage cytology
Katsuhisa Ohgi MD | Shizuoka Cancer Center

P 169. Surgical outcome on chronic pancreatitis secondary to pancreas divisum
Kohei Kawaguchi MD | Kindai University Faculty of Medicine

◆ P 170. PI3K Inhibition May Promote High Fat Diet-induced Non-Alcoholic Fatty Liver Disease to further advance Pancreatic Cancer and Acute Pancreatitis
Paul Grippo PhD | University of Illinois at Chicago

P 171. Effect of Garlic(Allium sativum) Extract on Mouse Model of Early Chronic Pancreatitis
Kumari Priyam PhD | All India Institute of Medical Sciences, New Delhi
Single-operator peroral pancreatoscopy improves the diagnostic yield of preoperative workup in presumed main duct intraductal papillary mucinous neoplasms
Sini Vehviläinen | Helsinki University

Evaluation of the significance of adjuvant chemotherapy in patients with stage I A pancreatic ductal adenocarcinoma
Wataru Izumo MD, PhD | Institute of Gastroenterology, Tokyo Woman’s Medical University

Novel circulating and tissue monocytes as well as macrophages in pancreatitis and recovery
Murli Manohar PhD | Stanford University

COL8A1 promotes progression and gemcitabine resistance of pancreatic ductal adenocarcinoma through an autocrine/paracrine fashion
Bin Yan | University of Heidelberg

Hepatocyte Growth Factor/c-Met Pathway Inhibition Combined Chemotherapy Improves Tumour Immunity and Eliminates Metastasis in Pancreatic Cancer
Alpha Raj Mekapogu PhD | University of New South Wales

Diet, Gut Microbiome, and Inflammatory Injury in Acute Pancreatitis
Sarang Thaker MD, MS | University of Illinois at Chicago

Experimental Pancreatitis Perturbs Acinar Cell Neutral Lipid Metabolism
Kohei Yasunaga MD, PhD | University of California, Los Angeles

Protective Role of the Antioxidant Transcription Factor NRF2 in Alcoholic and Nonalcoholic Experimental Pancreatitis
Olga Mareninova PhD | National Institute of Health

Immune Profiling Human Pancreatitis
Bomi Lee PhD | Stanford University

Discovery of Soluble Pancreatic Cancer Biomarkers Using Innovative Clinical Proteomics and Statistical Learning
Guillaume Tosato IRCM | Cancer Research Institute of Montpellier, IRCM, Campus Val d’Aurelle, Parc Euromédecine

Sonic Hedgehog (Shh) Pathway Modulates Severity of Chronic Pancreatitis by Re-programming Pancreatic Stellate Cells
Srikanth Iyer PhD | University of Alabama at Birmingham

Quantitative Imaging Features on Pre-diagnostic Computed Tomography can Accurately Predict Pancreatic Cancer
Wansu Chen PhD | Kaiser Permanente
POD 43. Targeting tumor intrinsic p38 MAPK signaling to suppress inflammatory tumor-stromal crosstalk in Pancreatic Cancer
Samara Singh BA | University of Miami

POD 44. The Ubiquitin System is a critical regulator of VMP1-dependent autophagy in human pancreatic cancer cells
Felipe Renna | University of Buenos Aires and CONICET

POD 45. Elevated lipase levels and lipotoxicity are associated with worse outcomes in COVID-19 patients admitted to the ICU
Vijay Singh MBBS, MD | Mayo Clinic

◆ POD 46. Molecular subtyping of pancreatic ductal adenocarcinoma based on mucins
Si Shi MD | Fudan University Shanghai Cancer Center

POD 47. The Inhibition of NOX1/PDI Recovers GADD34, Which Facilitates Bim-Induced Cell Death via Accumulation of Unfolded Proteins in Pancreatic Cancer
Henry Knox BS | Augusta University

POD 48. Impaired Long-Chain Fatty Acid Metabolism in Acinar Cells Leads to Chronic Pancreatitis
Katelyn Cassel | University of Wisconsin

POD 49. Pre-clinical assessment of ISOX, a potential new therapeutic for pancreatic cancer
Pranita Atri PhD | University of Nebraska Medical Center

POD 50. Diet induced hyperlipidemia confers resistance to standard therapy in pancreatic cancer by selecting for “tumor protective” microbial metabolites and treatment refractory cells
Kousik Kesh PhD | University of Miami

POD 51. Factors Associated with Pancreatic Enzyme Replacement Therapy use and appropriate dosing in patients with Chronic Pancreatitis
Christopher Fan MD | Johns Hopkins University

POD 52. Metastasis in CD133+ Cancer Stem Cells is regulated by Phosphatidylcholine Metabolic Pathway in Pancreatic Cancer
Vineet Gupta PhD | University of Miami

POD 53. Tumoral c-Jun Promotes Cellular Stemness in Pancreatic Ductal Adenocarcinoma and Predicts the Efficacy of Gemcitabine Plus Iron Deprivation Therapy
Jihui Hao PhD | Tianjin Medical University Cancer Institute and Hospital, National Clinical Research Center for Cancer; Key Laboratory of Cancer Prevention and Therapy, Tianjin’s Clinical Research Center for Cancer

POD 54. A Novel Acyl-CoA Synthetase Promotes Pancreatic Ductal Adenocarcinoma Survival in Nutrient Deficient Microenvironment
Zhijun Zhou MD | University of Oklahoma Health Sciences Center
Pod 56. Pancreatic Hemorrhage Contributes to Late Mortality in Patients with Acute Necrotizing Pancreatitis
Anshuman Elhence MD | All India Institute of Medical Sciences, New Delhi

Pod 57. The specificity of PRKACA/PRKACB fusion genes in intraductal papillary oncocytic neoplasm of the pancreas
Yuki Fukumura MD, PhD | Juntendo University

P 173. AMPK agonist AICAR Ameliorates Ethanol-Induced Pancreatic injury and ER/Oxidative stress in Hepatic Alcohol Dehydrogenase Deficient Deer Mouse
Mukund Srinivasan PhD | National Institute of Health, National Institute on Alcohol Abuse and Alcoholism

P 174. Investigation of the role of Orai1 Ca2+ channel in the progression of chronic pancreatitis
Arpad Varga MSc | University of Szeged

P 175. Cigarette smoke and ethanol act synergistically to cause mitochondrial depolarization in pancreatic acinar cells
Natalia Shalbuyeva PhD | Cedars Sinai Medical Center

P 176. Association Between Pancreatitis and Pancreatic Cancer: A Systematic Review and Meta-Analysis
Sonal Gandhi MBBS | Mayo Clinic

P 178. Analysis of Real-World Patient Experience With Pancreatic Enzyme Replacement Therapy (PERT) in the Treatment of Exocrine Pancreatic Insufficiency (EPI)
Jodie Barkin MD | AbbVie

P 179. Radiomic Features on CT Imaging Correlate With Pancreatic Fibrosis in Patients with Recurrent Acute and Chronic Pancreatitis
Mahya Faghih MD | Johns Hopkins University

P 180. Frailty as a Predictor of Outcomes in Patients with Post-Endoscopic Retrograde Cholangiopancreatography Pancreatitis
Camilo Acosta MD | University of Miami

P 181. The features and clinical outcome of ulcerative colitis in autoimmune pancreatitis: a greater awareness is needed
Maria Cristina Conti Bellocchi MD | University of Verona
P 182. Natural history of suspected IPMNs in outpatient clinical practice: A short-term follow-up study
Jaime de la Fuente MD | Mayo Clinic

P 185. Risk Factors for Post-ERCP Pancreatitis in Pediatric Patients
Ahmad Hassan MD | Cincinnati Children’s Hospital Medical Center

P 186. A Dual-metabolic Subtype Classifier of Pancreatic Adenocarcinoma Based on Adipogenesis and Bile Acid Metabolism
Zijian Zhang MBBS, MSc | The 7th affiliated hospital of Sun yat-sen University

P 187. Differences in Incidence and Survival between Early- and Late-Onset Pancreatic Cancer in California, 1988-2018
Brian Z Huang PhD | University of Southern California

P 188. Harnessing the natural trypsin antagonist SPINK-1 for targeted treatment of acute pancreatitis
Jeffrey Way PhD | Brigham and Women's Hospital / Harvard Medical School

P 189. Identifying and Targeting PIN1 Regulated Immune and Fibroblast Phenotypes in Pancreatitis
Vidhi Shah PhD | Oregon Health & Science University

P 190. Feasibility of a Mobile Phone Application for Post-Hospital Discharge Monitoring in Acute Pancreatitis
Allison Yang MD, MPH | Brigham and Women's Hospital / Harvard Medical School

P 191. The Incidence and etiology of Acute Pancreatitis in Finland today – a population-based study
Anssi Nikkola | Tampere University Hospital

P 192. The role of margins among stage IIb and stage III PDAC patients on survival
Reea Ahola MD, PhD | Tampere University

P 193. Presentation of Nonpancreatic Hyperlipasemia (NPHL) in an Emergency Department Setting of a tertiary care hospital
Shubham Trivedi BS | Mayo Clinic

P 194. Fatty acid lipotoxicity can induce thrombosis in Pancreatitis and COVID-19
Biswajit Khatua PhD | Mayo Clinic

P 195. Impact of abdominal pain and imaging on diagnosis of acute pancreatitis (AP) in patients with greater than 3-fold lipase elevation in a Tertiary Referral Center
Hally Chaffin MD | Mayo Clinic

P 196. The Effect of Post-Translational Modification of Chmp1A with Sumo or Ubiquitin on Pancreatic Cancer Growth
Maiyon Park | University of California Science and Medicine
P 199. A Rare presentation of a Rare Pancreatic Cancer: Multiple Pancreatogastric Fistulas Leading to Discovery of a Primary Pancreatic Signet Ring Cell Carcinoma
Gordon Robbins MD | Institute for Digestive Health and Liver Disease/University of Maryland School of Medicine

P 200. Sarcopenia in chronic pancreatitis patients
Mikael Parhiala MD | Tampere University

P 201. Blockade of IL-6- and EGF-induced STAT3 activation in pancreatic cancer cells by a small molecule inhibitor, H182
Richard Waldron PhD | Cedars Sinai Medical Center

◆ P 202. Anti-SIA-IgG Monoclonal Antibody is a Potential Therapy Against Pancreatic Cancer
Ming Cui MD | Peking Union Medical College Hospital

P 203. Patient-derived orthotopic pancreatic cancer tissue xenografts recapitulate remote metastasis and cancer-associated hypercoagulation
Kumiko Miyashita Master | Kobe University Graduate School of Health Sciences

P 204. Pancreatic Lipase (PNLIP) Mediated Generation of Linoleic Acid (LA) Worsens Heart Failure (HF) via Impairing Cardiomyocyte Contractions
Sergiy Kostenko PhD | Mayo Clinic

P 205. Pancreatic cancer cell-derived exosomes induce their own epithelial-mesenchymal transition
Makoto Miyoshi PhD | Kobe University Graduate School of Health Sciences

P 206. Elevated Pancreatitis Activity Scoring System (PASS) Score at Emergency Department Presentation Predicts Earlier Fluid Resuscitation in Acute Pancreatitis
Padmavathi Srivoleti MD | Brigham and Women’s Hospital / Harvard Medical School

◆ P 208. Plasma soluble urokinase-type plasminogen activator receptor (P-suPAR) in predicting postoperative complications after pancreatic surgery
Anu Aronen | Sigrid Jusélius Foundation, Finland

P 210. Diagnostic accuracy of MDCT for staging of pancreatic ductal adenocarcinoma planned for resection
Teijiro Hirashita MD, PhD | Oita University

◆ P 211. Strategy of neoadjuvant therapy for resectable/borderline resectable pancreatic cancer
Daisuke Hashimoto MD, PhD | Kansai Medical University
Sue Ting Lim MD | Hartford Hospital

P 213. The value of liver-metastasis-related genes in predicting the prognosis of pancreatic adenocarcinoma
Yinlei Dong MD | Fudan University Shanghai Cancer Center

P 214. Ablation-based Immunotherapy Induces Tumor-Specific Immunity against Metastatic Pancreatic Tumors in Mice
Wei Chen PhD | University of Oklahoma Health Sciences Center

P 215. A single center experience of pancreatic steatosis and post-operative pancreatic fistula
Alfred Nelson MD | Mayo Clinic

P 218. Detection of Pancreatic Fibrosis Using Magnetic Resonance Imaging: Correlation with Histopathology
Temel Tirkes MD | Indiana University

P 219. Randomized Clinical Trials of Analgesics for Pain Management in Acute Pancreatitis: Systematic Review and Meta-analysis
Wenhao Cai MD | West China Hospital

P 221. MUC15 Inhibits Metastasis of Pancreatic Cancer by STAT3 Signalling
Simei Zhang | First Affiliated Hospital of Xi’an Jiaotong University

P 222. Impact of Sentinel Attack of Acute Pancreatitis on Severity of Subsequent Episodes in Mice
Andrea Geisz PhD | Boston University

Nikhil Thiruvengadam MD | University of California San Francisco
P 226. Integrative transcriptomic analysis identifies a consensus gene signature that predicts adverse prognostic subtype and immune contexture in pancreatic cancer
Cordelia Li | The University of Texas MD Anderson Cancer Center

P 228. Vasculitis associated with preoperative radiation therapy for pancreatic cancer
Shuichi Watanabe MD, PhD | University of Colorado

P 230. Pancreaticoduodenectomy with complex vascular reconstruction for borderline-resectable pancreatic tumors is safe and oncologically justified
Alex Zendel MD | Montefiore Medical Center, Mount Sinai Hospital

P 232. Cholecystokinin Receptor Antagonist Decreases Epithelial-to-Mesenchymal Transition and Metastasis in Pancreatic Cancer Microenvironment
Zoe Malchiodi MS | Georgetown University

P 233. Role of ALCAM in Metastatic Pancreatic Ductal Adenocarcinoma
Harrys Kishore Charles Jacob PhD | University of Miami

P 235. Tolerance of a transgastric pancreatic cooling device in an unsedated large animal
Megan Summers BS | Mayo Clinic

P 236. Glycemic Profiles in Patients with New Onset Hyperglycemia and Diabetes (NOD)
Gildy Garcia MPH | Kaiser Permanente

P 237. What is the cause of death in patients with IPMNs
Katsunori Sekine MD | National Center For Global health and Medicine

P 238. Neutrophil Extracellular Traps Induce Nuclear Factor-kappa B Activation in Pancreatic Acinar Cells
Hassan Ishqi PhD | University of Miami

P 241. ATF6 Protects against Acinar Cell Injury in Mouse Acute Pancreatitis
Jodi-Ann Edwards MD | State University of New York (SUNY) Downstate Health Sciences University

P 243. Heat Shock Protein 90: Potential Target Structure In Acute Pancreatitis
Aiste Gulla MD, PhD | Faculty of Medicine, Vilnius University

P 244. Prevalence of Painful Chronic Pancreatitis: A Systematic Review and Meta-Analysis
Mahya Faghih MD | Johns Hopkins University
P 245. Proteomic profiling reveals subtype specific kinase expression in pancreatic cancer
Yi Xu BS | University of North Carolina, Chapel Hill

P 246. Induction of Stemness in Pancreatic Cancer by Cancer Associated Fibroblasts via SPP1-CD44 Axis
Palanisamy Nallasamy PhD | University of Nebraska Medical Center

P 247. Circular RNA circANAPC7 suppresses ZIP4-mediated cell proliferation by CREB/miR-373/PHLPP2 feedback loop in pancreatic cancer
Xiuhui Shi MD, PhD | University of Oklahoma Health Sciences Center

P 248. Mucin (MUCs) for pancreatic cancer diagnosis
Gopalakrishnan Natarajan PhD | University of Nebraska Medical Center

P 249. Pancreatic Steatosis does not correlate with severity of Non-Alcoholic Fatty Liver Disease (NAFLD) on Magnetic Resonance Imaging (MRI)
Lauren Pinion MD | Emory University School of Medicine

P 250. ZIP4 Promotes Cancer-Induced Cachexia in Mouse Pancreatic Cancer
Mingyang Liu MD, PhD | National Institute of Health

P 251. Sphingolipid Metabolism and Pro-survival Pathways in Pancreatic Cancer
Brittany Durden BS | University of Miami

P 252. Pirfenidone Ameliorates Well-Established Chronic Pancreatitis in Mouse Models by Decreasing M2 Macrophages but Requires Macrophages for its Action
Ejas Palathingal Bava MD | University of Alabama at Birmingham

P 253. Pilot Study Using ICG Spectral Angiography During Pancreatic Irreversible Electroporation (IRE) as an Adjunct to Minimizing Local Recurrence
Robert Donoway MD | ATLASOncology: Institute for Pancreas and Liver Ablation

P 254. MUC16 promotes liver metastasis in pancreatic cancer via JAK2/STAT1/NRP2 axis
Saravanakumar Marimuthu PhD | University of Nebraska Medical Center

P 256. Pain Assessment Tools in Studies of Invasive Procedures for Painful Chronic Pancreatitis: A Systematic Review
Mahya Faghih MD | Johns Hopkins University

P 257. Therapeutic potential of genetically engineered monoclonal antibodies against MUC16 mucin in preclinical models of pancreatic cancer
Ashu Shah PhD | University of Nebraska Medical Center
P 259. Perioperative Blood Glucose Management in Patients With Insulinoma: a Multi-center Retrospective Study of 117 Patients
Shuai Wu MD | First Affiliated Hospital of Xi’an Jiaotong University

P 261. Loss of PBRM1 Expression is a Reliable Biomarker for Prediction of Improved Survival with Adjuvant Chemotherapy after Surgical Resection in PDAC
Sami Shoucair MD | Johns Hopkins University

◆ P 263. What's in the Air Y'all?: A Look at Pancreatic Cancer Rates in Growing Urban Centers with High Particulate Matter in Texas
Christopher Moreau BSBME | University of Texas Health Science Center at San Antonio

◆ P 265. Combination of Retinol Binding Protein and D-dimer is a Novel way to Differentiate Pancreatic Diseases
Junfeng Zhang Master | Chongqing General Hospital

◆ P 266. Differences between pancreatic cancers that elevate either STRA or CA19-9 in the absence of the other: defining a subset of tumors with poor differentiation and shorter overall survival
ChongFeng Gao PhD | National Cancer Institute of the National Institutes of Health

Christopher Moreau BSBME | University of Texas Health Science Center at San Antonio

◆ P 268. Evaluation of Optical Properties of Porcine Pancreas Tissue for Photothermal Therapy
Christopher Moreau BSBME | University of Texas Health Science Center at San Antonio

P 269. ZIP4 Promotes Migration and Anti-Apoptosis of Pancreatic Cancer Cells by Regulation of Mirna-224 Target Gene API5 via CN-pCREB-RREB1 Cascade
Jingxuan Yang PhD | University of Oklahoma Health Sciences Center
P 270. Comprehensive Profiling of B7 Checkpoint Inhibitors and Associated Immune Response in Pancreatic Neuroendocrine Neoplasms (PanNENs)
Han Yan PhD, MD | National Natural Science Foundation of China

P 271. Case Report: Surgical Resection of an Aggressive Pancreatic Solid Pseudopapillary Tumor with Local Advance and Hepatic Metastasis
Han Yan PhD, MD | National Natural Science Foundation of China

◆ P 277. Verification of Resectability Status for Pancreatic Cancer: Radiological and Pathological Analysis of Patients Undergoing Pancreatoduodenectomy with Combined Resection of Superior Mesenteric Artery
Isamu Makino MD, PhD | Kanazawa University

◆ P 282. A Rare Case of Abdominal Tuberculous Lymphadenopathy Mimicking Pancreatic Cancer
Aya Kato MD | Tokyobay Urayasu Ichikawa Medical Center

◆ P 283. Factors Associated with Fatigue 3 Months After Pancreatectomy
Rio Minami | Tohoku University

◆ P 284. Gemcitabine and nab-paclitaxel induced complete response of advanced pancreatic tail cancer
Noriyuki Hirakawa MD | Tokyo Medical University
P 285. Serum zinc deficiency in patients after pancreatic surgery
Chihoko Nobori MD | Kindai University Faculty of Medicine
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