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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: Porgress 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.

This activity was planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint providership of PESI Inc. and the American Pancreatic Association (APA). PESI Inc. is accredited by the ACCME to provide continuing medical education for physicians.

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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.

DISCLOSURE INFORMATION

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CME CERTIFICATES AND EVALUATION FORMS

Evaluation completion and CME credit will be completed online. You will receive emailed instructions on how to claim CME online. You may also claim a Certificate of Attendance through this same process if a CME certificate is not needed.

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SCIENTIFIC SCHEDULE



APA 2021 ANNUAL MEETING JEDEN ROC MIAMI BEACH JNOVEMBER 3-6, 2021

AMERICAN PANCREATIC

ASSOCIATION

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

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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



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 APA 2021 ANNUAL MEETING | EDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021

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

APA 2021 ANNUAL MEETING | EDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021

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 Fedan Mithobiote To Influence Severny of Acute Payereaths & 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 CART cell therapy in a Model of Pahic entire a definition of Cartino May BEACH | NOVEMBER 3-6, 2021 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

lok 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 2072 WAND WAL MEETING | EDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021

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

Nutrition in Acute Pancreatitis: Oral Feeding Intolerance and Introduction of Enteral Nutrition, Appropriate Timing and Method

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

Rupjiyoti 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 | APA 2021 ANNUAL MEETING | EDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021

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 $\,$ APA 2021 ANNUAL MEETING | EDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021

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 \mid 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 L

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 Husan PMP PStan Old MEETSING | EDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021

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



AWARDS



VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT



Markus M. Lerch MD, FRCP

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 Boston1, 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 (Habiliation, 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 pancreatitis2 and discovered (transient) blockage of pancreatic secretion3 and missorted endocytosis4 as initiating events of gallstone-induced pancreatitis, a discovery subsequently confirmed in patients5. His group was the first to identify the type of calcium release from ER stores that leads to intracellular protease activation6 and characterized the role of lysosomal enzymes in this process7. The observation that Magnesium can block trypsin activation8 has initiated two clinical trials. More recent investigations have elucidated the role of immune cells, not only in the severity9, but also the onset of pancreatitis10, particularly the role of macrophages11 and the NLRP3 inflammasome12. 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 cancer14, and established the exocrine pancreas as the most critical regulator of the intestinal microbiota compositon15.

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 Awardin 2016 Markur the Grand Prima of the International Participation 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).

VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT CONTINUED

References

- 1. Lerch MM, Saluja AK, Dawra R, er al. The effect of chloroquine administration on two experimental models of acute pancreatitis. Gastroenterology. 1993 Jun; 104(6):1768-79.
- 2. Lerch MM, Saluja AK, Dawra R, et al. Acute necrotizing pancreatitis in the opossum: earliest morphological changes involve acinar cells. Gastroenterology. 1992 Jul;103(1):205-13.
- 3. Lerch MM, Saluja AK, Rünzi M, et al. Pancreatic duct obstruction triggers acute necrotizing pancreatitis in the opossum. Gastroenterology. 1993 Mar;104(3):853-61.
- 4. Lerch MM, Saluja AK, Rünzi M, et al. Luminal endocytosis and intracellular targeting by acinar cells during early biliary pancreatitis in the opossum. | Clin Invest. 1995 May;95(5):2222-31.
- 5. Hernández CA, Lerch MM. Sphincter stenosis and gallstone migration through the biliary tract. Lancet. 1993 May 29;341(8857):1371-3.
- 6. Krüger B, Albrecht E, Lerch MM. The role of intracellular calcium signaling in premature protease activation and the onset of pancreatitis. Am J Pathol. 2000 Jul;157(1):43-50.
- 7. Wartmann T, Mayerle J, Kähne T, et al. Cathepsin L inactivates human trypsinogen, whereas cathepsin L-deletion reduces the severity of pancreatitis in mice. Gastroenterology. 2010 Feb;138(2):726-37.
- 8. Schick V, Scheiber JA, Mooren FC, et al. Effect of magnesium supplementation and depletion on the onset and course of acute experimental pancreatitis. Gut. 2014 Sep;63(9):1469-80.
- 9. Sendler M, Weiss FU, Golchert J, et al. Cathepsin B-Mediated Activation of Trypsinogen in Endocytosing Macrophages Increases Severity of Pancreatitis in Mice. Gastroenterology. 2018 Feb;154(3):704-718.e10.
- 10. Mayerle J, Schnekenburger J, Krüger B, et al. Extracellular cleavage of E-cadherin by leukocyte elastase during acute experimental pancreatitis in rats. Gastroenterology. 2005 Oct;129(4):1251-67.
- 11. Sendler M, Weiss FU, Golchert J, et al. Cathepsin B-Mediated Activation of Trypsinogen in Endocytosing Macrophages Increases Severity of Pancreatitis in Mice. Gastroenterology. 2018 Feb;154(3):704-718.e10.
- 12. Sendler M, van den Brandt C, Glaubitz J, et al. NLRP3 Inflammasome Regulates Development of Systemic Inflammatory Response and Compensatory Anti-Inflammatory Response Syndromes in Mice With Acute Pancreatitis. Gastroenterology. 2020 Jan; 158(1):253-269.e14.
- 13. Weiss FU, Schurmann C, Guenther A, et al. Fucosyltransferase 2 (FUT2) non-secretor status and blood group B are associated with elevated serum lipase activity in asymptomatic subjects, and an increased risk for chronic pancreatitis: a genetic association study. Gut. 2015 Apr;64(4):646-56.
- 14. Adam MG, Beyer G, Christiansen N, et al. Identification and validation of a multivariable prediction model based on blood plasma and serum metabolomics for the distinction of chronic pancreatitis subjects from non-pancreas disease control subjects. Gut. 2021 Nov;70(11):2150-2158.
- 15. Frost F, Kacprowski T, Rühlemann M, et al. Impaired exocrine pancreatic function associates with changes in intestinal microbiota composition and diversity. Gastroenterology. 2019 Mar;156(4):1010-1015.

APA DISTINGUISHED SERVICE AWARD



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

Patter Birsic

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.

APA DISTINGUISHED SERVICE AWARD



Jane M. Holt

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*.

Jane currently serves as a board member and advisor for the *NPF*, is on the *NIDDK Strategic Plan Working Group*, and furthers her work with the *National Cancer Institute* as part of *the Pancreatic Ductal Adenocarcinoma Progress Working Group*.

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.

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Understanding Local and Systemic Immune Responses During Mild Acute Pancreatitis, Severe Acute Pancreatitis, and Recovery

Murli Manohar PhDStanford University



Sonja Woermann PhDUniversity of Texas MD
Anderson Cancer Center

Role of APOBEC3A in Pancreatitis and Inflammation Triggered Carcinogenesis



Early Pathogenesis of SPINK1 Deficiency in a Ferret Model

PA <mark>2021 ANNUAL MEETING | EDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021</mark>

Xingshen Sun BS, MS, PhDUniversity of lowa

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

Arsen 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 Leo**aiev2021/ehdhuise**n/**MEDT|IAGI\$EDIGHAROUM**IAMI BEACH | NOVEMBER 3-6, 2021

Arpad Varga MSc | University of Szeged

Sini Vehviläinen | Helsinki University

Jiale Wang MD | Mayo Clinic

Gregor Werba MD | NYU Langone Health

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 Califonia, 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)

APA PROGRAM DISCLOSURES

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

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

APA PROGRAM DISCLOSURES CONTINUED

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

Name	Name of Commercial Company(ies)	Nature of Relationship(s)
Hedy Kindler	Aduro Biotech AstraZeneca Bayer Blueprint Boehringer-Ingelheim Bristol Myers Squibb (Deciphera GlaxoSmithKline Harpoon INHIBRx Inventiva Lilly Macrogenics Merck Sharp & Dohme Novocure Polaris Seattle Genetics Verastem	Aduro Biotech (research funding) AstraZeneca (Consulting or advisory role; travel, accommodations, expenses; research funding) Bayer (Consulting or advisory role; research funding) Blueprint (research funding) Blueprint (research funding) Boehringer-Ingelheim (Consulting or advisory role; travel, accommodations, expenses) Bristol Myers Squibb (Consulting or advisory role; research funding) Deciphera (Consulting or advisory role; research funding) GlaxoSmithKline (research funding) Harpoon (research funding) INHIBRx (Consulting or advisory role; research funding) Inventiva (Consulting or advisory role; travel, accommodations, expenses; research funding) Macrogenics (research funding) Macrogenics (research funding) Merck Sharp & Dohme (Consulting or advisory role; travel, accommodations, expenses; research funding) Novocure (Consulting or advisory role) Polaris (research funding) Seattle Genetics (Consulting or advisory role; research funding) Verastem (research funding)
Thomas King	Immunovia, Inc.	IMMray PanCan-d test)
Vanaja Konduri	Diakonos Research Ltd	
Pan Li	Aduro Biotech Akrevia/Xilio Alphamab Ambrx Amgen Biosion Bristol-Meyer Squibb Datarevive Halozyme Inxmed iTeos Merck Mingruzhiyao Novagenesis NovaRock Snow Lake Capitals	
Rodger Liddle	Create Therapeutics	
Landon Moore	COARE Biotechnology Inc	

APA PROGRAM DISCLOSURES CONTINUED

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Raman Muthusamy	Boston Scientific	Consultant
Stephen Pandol	Avenzoar	
Walter Park	Abbvie, Nestle, Olympus	Advisory Board
Zachary Selover	ConMed	The educational content does not involve the products or services of the commercial organization.
Suha Siddiqui	ConMed	The educational content does not involve the products or services of the commercial organization.
Vijay Singh	Lamassu Pharma	consultant
Robert Sutton	CalciMedica Inc, EA Pharma, GlaxoSmithKline	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
Guru Trikudanathan Boston Scientific		Consultant
Omaida Velazquez	Ambulero Inc	Consultant
David Whitcomb	Ariel Precision Medicine	Cofounder, Consultant and CSO
Allison Yang	Nestle Health Science	Participation in an advisory board meeting on uncoated pancreatic enzyme replacement

THE ABOVE CONFLICTS HAVE BEEN RESOLVED.



POSTERS



APA 2021 ANNUAL MEETING JEDEN ROC MIAMI BEACH JNOVEMBER 3-6, 2021

AMERICAN PANCREATIC

ASSOCIATION

- 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

POD 7. BET inhibition facilitates pancreas regeneration in polarity-environment-mediated tissue injury.

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 11. 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 12. The unique pancreatic stellate cell gene expression signatures are associated with the progression from acute to chronic pancreatitis

Cheng Hu MP) POD1 West OhMEHTOS GILEDEN ROC MIAMI BEACH | NOVEMBER 3-6, 2021

POD 13. 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

POD 23. Neutrophil-to-Lymphocyte Ratio Dynamics and Pathologic Response Following Neoadjuvant Chemotherapy in Pancreatic Cancer: Clinical Evidence with Preclinical Modeling lago 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

lacktriangle POD 25. Nutrient limitation induces phenotypic switch and exposes alternative dependencies of pancreatic tumor cells

Yogev Sela PhD | University of Pennsylvania

◆ POD 27. Symptomatic Type 3 auto- immune 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 Califonia, 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

lacktriangle 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 79. Evaluation of preoperative metrics on postoperative outcomes among aged patients after a pancreatic resection

Reea Ahola MD, PhD | Tampere University

P 80. 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 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 PR55a, 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 easter 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

P118. 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 Pancreatitis 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 127. 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 128. 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 129. The role of growth differentiation factor 15 in acute pancreatitis

Qingyuan Tan MD | West China Hospital of Sichuan University

P 130. Platelet adherence to cancer cells promotes escape from innate immune surveillance in cancer metastasis

Mitsuyoshi Okazaki MD, PhD | Kanazawa University Hospital

P 131. 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 132. Machine Dearning Algorithm Identifies Patients lat Risk for Pancreatic Cancer, in a B-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

P 138. Defining Distinct Stromal Gene Expression Profiles in Patient-derived Xenograft Models of Pancreatic Cancer

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 Nonresected (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

- P165. 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 Universtiy

◆ 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

POD 30. Single-operator peroral pancreatoscopy improves the diagnostic yield of preoperative workup in presumed main duct intraductal papillary mucinous neoplasms Sini Vehviläinen | Helsinki University

lacktriangle POD 31. Evaluation of the significance of adjuvant chemotherapy in patients with stage $\, {f I} \,$ A pancreatic ductal adenocarcinoma

Wataru Izumo MD, PhD | Institute of Gastroenterology, Tokyo Woman's Medical University

POD 33. Novel circulating and tissue monocytes as well as macrophages in pancreatitis and recovery

Murli Manohar PhD | Stanford University

lacktriangle POD 34. COL8A1 promotes progression and gemcitabine resistance of pancreatic ductal adenocarcinoma through an autocrine/paracrine fashion

Bin Yan | University of Heidelberg

POD 35. 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

POD 36. Diet, Gut Microbiome, and Inflammatory Injury in Acute Pancreatitis Sarang Thaker MD, MS | University of Illinois at Chicago

POD 37. Experimental Pancreatitis Perturbs Acinar Cell Neutral Lipid Metabolism Kohei Yasunaga MD, PhD | University of Califonia, Los Angeles

POD 38. Protective Role of the Antioxidant Transcription Factor NRF2 in Alcoholic and Nonalcoholic Experimental Pancreatitis

Olga Mareninova PhD | National Institute of Health

POD 39. Immune Profiling Human Pancreatitis

Bomi Lee PhD | Stanford University

◆ POD 40. 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

POD 41. Sonic Hedgehog (Shh) Pathway Modulates Severity of Chronic Pancreatitis by Reprogramming Pancreatic Stellate Cells

Srikanth Iyer PhD | University of Alabama at Birmingham

◆ POD 42. 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

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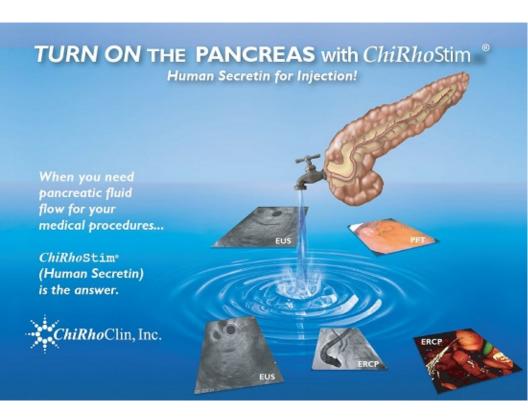
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