

American Pancreatic Association

2022 ANNUAL MEETING

Nov. 3 - 6, 2022

Gaylord Palms, Orlando, FL

FINAL PROGRAM

www.apapancreas.org



APA

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ASSOCIATION

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On behalf of the American Pancreatic Association, I look forward to welcoming you to the APA 2022 Annual Meeting in Orlando November 3-6, 2022.

Invited Speakers

Lectures DEI in Pancreas

Pancreatitis

Abstracts

Posters

**Original
Research**

Pancreas Cancer

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The APA Foundation mission is to cure pancreatic diseases through research, collaboration and advocacy.

The APAF is proud to offer the Young Investigator in Pancreatology Grant on an annual basis. The purpose of the grant is to attract and retain the next generation of scientists in the field of basic and clinical pancreatology.

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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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SCIENTIFIC SCHEDULE

REGISTRATION

Coastal Landing

Thursday 7:00am - 7:00pm
Friday 7:00am - 6:00pm
Saturday 7:00am - 5:00pm
Sunday 7:30am - 12:00pm

EXHIBITS

Coastal 1-5

Friday 7:00am - 6:00pm
Saturday 7:00am - 5:00pm
Sunday 7:30am - 11:00am

POSTER VIEWING

Coastal 1-5

Saturday 12:00pm - 2:00pm
Sunday 12:00pm - 2:00pm

7:30am - 8:30am Coastal 6-10

Breakfast

8:30am – 10:45am Coastal ABCD

Designing Interventional Clinical Trials in Pancreatic Disease

Moderators:

Eileen M. O'Reilly MD | Memorial Sloan Kettering Cancer Center

Aida Habtezion MD, MSc | Stanford University/Pfizer Inc.

Defining Endpoints for Recurrent Acute and Chronic Pancreatitis

Dhiraj Yadav MD, MPH | University of Pittsburgh Medical Center

Exploring Novel Clinical Trial Design

Diane M. Simeone MD | NYU Langone Health

Looking Into the Future: Clinical Trials in Pancreatitis

Pramod Garg MD | All India Institute of Medical Sciences

Accelerating Translational Medicine Through Clinical Trials

Peter Hegyi MD | University of Szeged

Defining Endpoints for Pancreatic Cancer

Peter J. Hosein MD | University of Miami Health System

10:45am – 11:00am Coastal Landing

Morning Break

11:00am – 12:30pm Coastal ABCD

Updates on Active Pancreatic Clinical Trials

Moderators:

Min Li PhD | The University of Oklahoma Health Sciences Center

Stephen J. Pandol MD | Cedars Sinai Medical Center

Trial Updates

The Landscape of Active Endoscopic Clinical Trials

Mustafa Arain MD | Advent Health

SVI

Georgios Papachristou MD | The Ohio State University Wexner Medical Center

P-QST

Anna Evans Phillips MD | University of Pittsburgh

Pediatric Interventions

Aliye Uc MD | University of Iowa

Emerging Targeted Therapies for PDAC

Eileen M. O'Reilly MD | Memorial Sloan Kettering Cancer Center

Immune-Based Therapies in PDAC

Neeha Zaidi MD | Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

12:30pm – 1:30pm Coastal 6-10

Lunch

1:30pm – 3:00pm Coastal ABCD

From Basic to Clinical Translation in Pancreatic Disease

Moderators:

Zobeida Cruz-Monserrate PhD | The Ohio State University Wexner Medical Center

Fred S. Gorelick MD | Yale School of Medicine

Translating From Mouse to Human in Pancreatic Disease

Ashok K. Saluja PhD | University of Miami Health System

Genetic Preclinical Models for Pancreatitis

Andrea Geisz PhD | Boston University

Models for Immune Therapy in Pancreatic Disease

Julia Mayerle MD | LMU Munich

Therapeutic Targeting in Preclinical Models of Pancreatic Cancer

Marina Pasca di Magliano PhD | University of Michigan

**Authored by a Young Investigator*

3:00pm – 3:15pm Coastal Landing

Afternoon Break

3:15pm – 4:00pm Coastal ABCD

Traversing the Valley of Death

Moderators:

Sohail Z. Husain MD | Stanford University

Venkata S. Akshintala MBBS | Johns Hopkins University School of Medicine

Panelists:

Diane M. Simeone MD | NYU Langone Health

Erica Lyons MD | The US Food and Drug Administration

Vikas Dudeja MD | University of Alabama at Birmingham

Megan Golden | Mission: Cure

5:00pm – 7:00pm Coastal ABCD

Hirshberg Symposium | Pancreatic Cancer Screening and Surveillance

Moderators:

Aida Habtezion MD, MSc | Stanford University/Pfizer Inc.

O. Joe Hines MD | David Geffen School of Medicine UCLA

High Risk Patients

Marcia Irene Canto MD | Johns Hopkins University School of Medicine

Diabetes and Pancreatic Cancer

Suresh T. Chari MD | MD Anderson Cancer Center

The Relationship of Pancreatitis to Pancreatic Cancer

Stephen J. Pandol MD | Cedars-Sinai Medical Center

7:00pm – 9:00pm Mangrove Lawn

Presidential Reception

**Authored by a Young Investigator*

FRIDAY, NOVEMBER 4

7:00am – 8:00am Coastal 6-10

Breakfast

8:00am – 10:00am Coastal ABCD

Abstract Session 1

Moderators:

Jashodeep Datta MD | University of Miami Miller School of Medicine

Karina Yoon PhD | University of Alabama at Birmingham

***Combined MEK and STAT3 Inhibition Reprograms Stromal Inflammation to Overcome Immunotherapy Resistance in Pancreatic Cancer**

Vanessa Garrido PhD | University of Miami Health System

***Persister cell phenotypes in pancreatic cancer contribute to poor patient outcomes after neoadjuvant therapy**

Xu Zhou | University Clinic Heidelberg

Circular RNA ANAPC7 Inhibits Tumor Growth and Ameliorates Pancreatic Cancer Cachexia via PHLPP2-AKT-TGF- β Signaling Axis

Jingxuan Yang PhD | University of Oklahoma Health Sciences Center

Validation of a blood-based early detection pancreatic cancer test in a high-risk population

Anna Bergamaschi PhD | Bluestar Genomics

***Oxidative Stress Reprograms the Epigenome to Initiate Malignant Progression Via an NRF2-EZH2 Self-amplifying Loop**

Laura Antonucci PhD | University of California, San Diego

***A Methylation-based Classifier for Pancreatic Cancer Subtype**

Des Weighill PhD | University of North Carolina, Chapel Hill

***Blocking TNF- α producing macrophage activates antitumor immunity in pancreatic cancer**

Ajay Dixit PhD | University of Minnesota

***Endoscopic Ultrasound-Guided Versus Percutaneous Drainage for the Management of Post-Operative Pancreatic Fluid Collections After Distal Pancreatectomy**

Delvise Fogwe MD | Mayo Clinic

Pressure-sensing Piezo1 channel signaling accelerates pancreatic cancer growth and metastasis

Sandip Swain PhD | Duke University

Anatomical Pancreatic Variants in Intraductal Papillary Mucinous Neoplasm Patients

Hanna Seppänen Adj. Prof. | University of Helsinki and Helsinki University Hospital

***CHOP/DDIT3 depletion in pancreatic β cells restrains PDAC development and metastasis to liver**

Jing Yong PhD | Cedars Sinai Medical Center

***Non-alcoholic fatty liver disease (NALFD) after pancreatic resections: an underappreciated consequence.**

Piotr Zelga MD, PhD, MPhil | Massachusetts General Hospital

10:00am – 10:15am Coastal 1-5

Morning Break

10:15am – 11:30am Coastal ABCD

Endocrine and Pancreatitis Cross-Talk

Moderators:

Dhiraj Yadav MD, MPH | University of Pittsburgh Medical Center

Darwin L. Conwell MD, MSc | University of Kentucky College of Medicine

Bone Health, Nutritional Deficiencies in Pancreatitis

Phil Hart MD | The Ohio State University Wexner Medical Center

Pancreatitis and Diabetes Cross-Talk Pathophysiology and Management

Mark Goodarzi MD, PhD | Cedars-Sinai Medical Center

Role of Insulin in Pancreatitis

Jason Bruce PhD | University of Manchester

Updates in Islet Auto-Transplantation

Melena Bellin MD | University of Minnesota

**Authored by a Young Investigator*

11:30am – 12:00pm Coastal ABCD

Frank Brooks Lecture

Introduction: Ashok Saluja PhD | University of Miami Health System

Unraveling Pancreatitis Puzzles

Anna Gukovskaya PhD | UCLA

12:00pm – 2:00pm

Lunch Coastal 6-10 & Poster Viewing Coastal 1-5

2:00pm – 3:15pm Coastal ABCD

Abstract Session 2

Moderators:

Arsen Osipov MD | Cedars-Sinai Medical

Center Sabita Roy PhD | University of Miami

***Acinar Regeneration does not Involve Acinar to Ductal Metaplasia**

Shakti Dahiya PhD | University of Pittsburgh Medical Center

A large proportion of chronic pancreatitis patients have no prior history of acute pancreatitis: a Danish nationwide population-based study

Søren Olesen MD, PhD | Aalborg University Hospital

Tuft cells inhibit pancreatic injury through IL-25 synthesis and secretion

Amanda Ruelas BS | Vanderbilt University Medical Center

Development of a Clinical Screening Tool for Exocrine Pancreatic Insufficiency (EPI) in Patients with Chronic Pancreatitis (CP)

Mohammed Othman MD | AbbVie

***A Mouse Model of Cel-MODY Develops Chronic Pancreatitis through Protein Misfolding**

Steven Wilhelm BS | Washington University in St. Louis

Nutritional Risks in Patients Undergoing Total Pancreatectomy Islet Auto Transplantation in the POST Consortium

Elissa Downs MD, MPH | University of Minnesota

***Impaired Long-Chain Fatty Acid Metabolism Leads to Reduced Secretory Function, ATP Levels, and Pancreatitis in Acinar-Specific CPT2 Knockout Mice.**

Katelyn Cassel BS | University of Wisconsin

3:15pm – 3:30pm Coastal 1-5

Afternoon Break

3:30pm – 4:45pm Coastal ABCD

Insights Into Initiation and Progression of PDAC – Advances of Early Detection in PDAC

Moderators:

Ajay Goel MD | City of Hope Cancer Center

Kyoichi Takaori MD, PhD | Nagahama City Hospital

Overview of Pancreatic Cancer Diagnosis, Early Detection, Genomic Sequencing

Laura D. Wood MD, PhD | Johns Hopkins University School of Medicine

Pancreatic Cancer Progression

Andrea Viale MD | UT MD Anderson Cancer Center

Dietary Drivers of Pancreatic Cancer Development

Mandar D Muzumdar MD | Yale University School of Medicine

PDAC Imaging

Akihisa Fukuda MD, PhD | Kyoto University Hospital

**Authored by a Young Investigator*

4:45pm – 6:00pm Coastal ABCD

New Tools in Pancreatitis Research

Moderators:

Zobeida Cruz-Monserrate PhD | The Ohio State University Wexner Medical Center

Anna S. Gukovskaya PhD | UCLA / VA Medical Center

Imaging in Pancreatitis (clinical/ PET probes/ MRI/ AI)

Temel Tirkes MD | Indiana University School of Medicine

Inflammatory Cell Profiling in Pancreatitis

Bomi Lee MD | Stanford University School of Medicine

Novel Cell Biologic Techniques

Guy Groblewski | University of Wisconsin - Madison

Single Cell Omics (or other omics)/ Spatial Profiling or Other Big Data

Kevin D. Pavelko PhD | Mayo Clinic

7:30pm – 8:30pm Mangrove Lawn

Reception

8:30pm – 10:30pm Coastal 6-10

Awards Dinner

**Authored by a Young Investigator*

SATURDAY, NOVEMBER 5

7:00am – 8:00am Citrus Ballroom

Breakfast

7:00am – 8:00am Coastal 6-10

Young Trainees Breakfast – Coffee with Dr. Aida Habtezion

8:00am – 9:00am Coastal ABCD

Young Investigators Abstract Session

Opening Remarks: Anna Evans Phillips MD | University of Pittsburgh

Moderators:

Bomi Lee PhD | Stanford University

Soumya Jagannath Mahapatra MD | All India Institute of Medical Sciences

***Tumor-Derived PTHrP Governs Pancreatic Cancer Cachexia and Antibody Blockade Prevents Adipose Tissue Wasting**

Jason Pitarresi PhD | University of Massachusetts Medical School

***Tissue DNA Methylation Profile of Synchronous and Metachronous Pancreatic Ductal Adenocarcinoma**

Shounak Majumder MD | Mayo Clinic

***Proteomic profiling of co-cultured pancreatic cancer and stellate cells and their extracellular vesicle cargo: Identification of unique proteins that drive pancreatic cancer progression**

Chamini Perera PhD | University of New South Wales

***Endothelin axis antagonism improves the efficacy of combination chemotherapy in pancreatic ductal adenocarcinoma**

Shailendra Gautam PhD | University of Nebraska Medical Center

***Acute Pancreatitis is Associated with Gut Dysbiosis in Children**

Chinenye Dike MD | Cincinnati Children's Hospital Medical Center

***Role of APOBEC3A in Pancreatitis and Inflammation triggered Carcinogenesis**

Sonja Woermann MD, PhD | The University of Texas MD Anderson Cancer Center

9:00am – 10:00am Coastal ABCD

Abstract Session 3

Moderators:

Johanna Laukkarinen MD, PhD | Tampere University Hospital

Shyam Varadarajulu MD | Orlando Health

Spatiotemporal dynamics of enteroendocrine cell formation in diseases of the pancreas

Kathleen DelGiorno MD, PhD | Vanderbilt University

***Distinct serum immune profiles define the spectrum of acute and chronic pancreatitis in a large, multi-center consortium**

Bomi Lee PhD | Stanford University

Disordering of Acinar Cell Cholesterol Trafficking in Pancreatitis: Roles of NPC1

Ilya Gukovsky PhD | University of California, Los Angeles

***Prevalence and temporal trends of sarcopenia and sarcopenic obesity in severe acute pancreatitis: prospective observational cohort study**

Robert Farquhar | Freeman Hospital

***Obesity primes the exocrine pancreas for inflammation via macrophage-T cell crosstalk**

Stuart Weisberg MD, PhD | National Institute of Health

T1 Signal Intensity Ratio of the Pancreas Is an Imaging Biomarker for the Staging of Chronic Pancreatitis

Temel Tirkes, Associate Professor of Radiology and Medicine | National Institute of Health

**Authored by a Young Investigator*

10:00am – 10:30am Coastal ABCD

Paul Webster Lecture

Introduction:

Aida Habtezion MD, MSc | Stanford University/Pfizer Inc.

Biomarker Development in Chronic Pancreatitis: An Update from PROCEED

Darwin L. Conwell MD, MSc | University of Kentucky College of Medicine

10:30am – 10:45am Coastal 1-5

Morning Break

10:45am – 12:00pm Coastal ABCD

Tumor Microenvironment and Therapeutic Resistance in PDAC

Moderators:

Minoti Apte MBBS, PhD | University of New South Wales

Lei Zheng MD, PhD | Johns Hopkins University School of Medicine

Micropinocytosis in PDAC

Wantong Yao MD, PhD | MD Anderson Cancer Center

Tumor Microenvironment of PDAC

Rama Khokha PhD | University of Toronto

Drug Resistance of PDAC

Rolf Brekken PhD | UT Southwestern Medical Center

Microenvironment and Drug Response in PDAC

Alex Shalek PhD | Massachusetts Institute of Technology

12:00pm – 2:00pm

Lunch Coastal 6-10 & Poster Viewing Coastal 1-5

2:00pm – 2:30pm Coastal ABCD

APA Business Meeting

2:30pm – 3:45pm Coastal ABCD

Advances in Chronic Pancreatitis

Moderators:

Walter Park MD | Stanford University

Vikesh Singh MD, MSc | Johns Hopkins University School of Medicine

Pediatric Chronic Pancreatitis: Presentation and Management

Sohail Z. Husain MD | Stanford University

Emerging Role of ER Stress in CP

Miklos Sahin-Toth MD, PhD | David Geffen School of Medicine at UCLA

Pain Evaluation in Pancreatitis

Anna Evans Phillips MD | University of Pittsburgh Medical Center

Therapeutic Advances in Pancreatitis (new drugs, stem cells, devices)

Markus Lerch MD | Munich University Hospital / LMU Klinikum

3:45pm – 4:00pm Coastal 1-5

Afternoon Break

4:00pm – 5:15pm Coastal 6-10

Novel and Emerging Therapeutics in PDAC

Moderators:

Surinder K. Batra PhD | University of Nebraska

Jin He MD, PhD | Johns Hopkins University School of Medicine

Surgery of PDAC

Christopher Wolfgang MD, PhD | NYU Grossman School of Medicine/NYU Langone Health System

Chemotherapy of PDAC

Kim A. Reiss Binder MD | University of Pennsylvania

Surgical Management of Pancreatic Diseases: Japanese Experience

Yoshifumi Takeyama MD, PhD | Kindai University

**Authored by a Young Investigator*

G12C Kras Inhibitor Trial of PDAC

Tanios S. Bekaii-Saab MD | Mayo Clinic Arizona

4:00pm – 5:15pm Coastal ABCD

Advances in Acute Pancreatitis

Moderators:

Aliye Uc MD | University of Iowa

Mark E. Lowe MD, PhD | Washington University School of Medicine in St. Louis

Managing Pediatric Acute Pancreatitis

Maisam Abu-El-Haija MD | Cincinnati Children's Hospital

Role of Phosphate in Pancreatitis

Rodger A. Liddle MD | Duke University

New Drug Therapies for Pancreatitis

Vijay P. Singh MBBS, MD | Mayo Clinic

Nutrition/Microbiota-Causal Role vs. Effect of Pancreatitis

Venkata S. Akshintala MBBS | Johns Hopkins University School of Medicine

5:15pm – 6:30pm Coastal ABCD

Parallel Abstract Session 4

Moderators:

Jingxuan Yang PhD | University of Oklahoma Health Science Center

Uncovering mechanisms of perineural invasion and tumor-nerve tropism by spatial transcriptomics and neuronal kinetics

Jennifer Su BS | Massachusetts General Hospital

*PhospholipaseD1 mediated secretion of Phosphatidic Acid regulates metastasis in CD133+ Pancreatic Tumor initiating Cells.

Vineet Kumar Gupta PhD | University of Miami Health System

*PRSS1 R122H mutation promotes pancreatic cancer tumorigenesis

Jiale Wang MD | Mayo Clinic

*MASTL regulates EGFR Trafficking and Expression in Pancreatic Cancer Progression

Susmita Barman PhD | University of Nebraska Medical Center

Ablation of CCR1 Synergizes With Immune Checkpoint Blockade in Pancreatic Cancer

Yaqing Zhang PhD | University of Michigan

*The Prevalence of Exocrine Pancreas Insufficiency and Subsequent Risk of Pancreatic Cancer: A Population-Level Study

Oyedotun Babajide MD | Mayo Clinic

*Novel Combination to Enhance the Antitumor Activity of KRASG12C Targeted Drugs

Husain Khan PhD | Karmanos Cancer Institute, Wayne State University

5:15pm – 6:30pm Coastal 6-10

Parallel Abstract Session 5

Moderators:

Bechien Wu MD | Kaiser Permanente Los Angeles Medical Center

Julia McNabb-Baltar MD, MPH | Brigham and Women's Hospital

Balancing the immune response: regulatory T-cells determine the course of acute and chronic pancreatitis.

Matthias Sendler PhD | University Medicine Greifswald

*Elevated Neutrophil Gelatinase-Associated Lipocalin as a Biomarker of Chronic Pancreatitis: A PROCEED Discovery Cohort

Kristyn Gumpfer-Fedus PhD | The Ohio State University Wexner Medical Center

*The Interaction of Pancreatic Stellate Cell and Macrophage May Exacerbate Alcoholic Chronic Pancreatitis

Zhihong Xu PhD | University of New South Wales

*Genetic Factors Behind the Recurrence of Pediatric Pancreatitis- Results From the APPLE-R (Analysis of Pediatric Pancreatitis) Prospective, Multicentre, Observational Clinical Study

**Authored by a Young Investigator*

Andrea Párnitzky MD,PhD | Semmelweis University

***Causes of mortality after total pancreatectomy with islet autotransplantation.**

Gregory Hooks | University of Minnesota

Identification of Early Serum Proteomic Biomarkers that Predict and Suggest Pathobiologic Mechanisms of Acute Pancreatitis Severity to Advance Precision Medicine

Richard Waldron PhD | Cedars Sinai Medical Center

A Procalcitonin-based Algorithm to Guide Antibiotic use in Patients with Acute Pancreatitis: The PROCAP Randomized Controlled Trial

Ajith Siriwardena MD | University of Manchester

7:00pm – 9:00pm Coastal 6-10

Diversity, Equity and Inclusion in Pancreas Symposium

Moderators:

Melena Bellin MD | University of Minnesota

Aida Habtezion MD, MSc | Stanford University/Pfizer Inc.

Aliye Uc MD | University of Iowa

Life Ain't Been No Crystal Stair

Keynote Speaker: Darwin L. Conwell MD, MSc | University of Kentucky College of Medicine

**Authored by a Young Investigator*

SUNDAY, NOVEMBER 6

8:00am – 8:30am Coastal 6-10

Breakfast

8:30am – 10:00am Coastal ABCD

Genetics in Pancreatitis

Moderators:

Peter Hegyi MD | University of Szeged

Miklos Sahin-Toth MD, PhD | David Geffen School of Medicine at UCLA

Who Should Get Genetic Testing? What to Test? When to Retest?

Mark Lowe MD, PhD | Washington University School of Medicine

What's New in Genetic Risk Variants – Clinical Applications

Rupjyoti Talukdar MD | Asian Institute of Gastroenterology

10:00am – 10:15am Coastal 1-5

Morning Break

10:15am – 11:45am Coastal ABCD

Novel Mechanisms in PDAC and Their Role for Treatment

Moderators:

Huamin Wang MD, PhD | MD Anderson Cancer Center

Nancy Du PhD | Weill Cornell Medicine

Methionine Reactivity Regulates Pancreatic Cancer Metastasis

Christine Chio PhD | Columbia University Herbert Irving Comprehensive Cancer Care

Proteogenomics of PDAC

Hui Zhang PhD | Johns Hopkins University School of Medicine

Tumor Heterogeneity

David T. Ting MD | Massachusetts General Hospital

Ferroptosis of PDAC, Animal Model of PDAC

Kenneth P. Olive PhD | Columbia University Herbert Irving Comprehensive Cancer Center

Metabolism of PDAC

Costas Lyssiotis PhD | University of Michigan

11:45am – 12:45pm Coastal ABCD

Controversies in Pancreatitis

Moderators:

Guru Trikudanathan MD | University of Minnesota

Suresh Chari MD | MD Anderson Cancer Center

Controversy #1: Is Exocrine Pancreatic Dysfunction without EPI relevant?

Relevant - Chris E. Forsmark MD | University of Florida Health

Not Relevant - Walter Park MD | Stanford University

Controversy #2: Is Pain and Lipase Elevation Alone Sufficient to Diagnose AP?

The Definition of AP Should Be Revised - Vikesh Singh MD | Johns Hopkins University School of Medicine

The Definition of AP Should Not Be Revised - James Buxbaum MD | University of Southern California

12:45pm – 1:30pm Coastal 6-10

Attendee Lunch

**Authored by a Young Investigator*

AWARDS



VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT - CARLOS FERNÁNDEZ-DEL CASTILLO MD



Dr. Carlos Fernández-del Castillo grew-up in Mexico City, attended medical school at the National Autonomous University of Mexico, and then did a residency in internal medicine and surgery at the Instituto Nacional de la Nutrición. In 1989 he came to the Massachusetts General Hospital as a Research Fellow in the Pancreatic Research Laboratory of Dr. Andrew Warshaw, and in 1991 joined the staff in the Division of General/GI Surgery. He is currently the director of the Pancreas, Liver and Biliary Surgery Program, co-director of the GI Cancer Center, and the Jorge and Darlene Perez Endowed Chair in Surgery at the MGH, as well as a Professor of Surgery at Harvard Medical School. For several years he has performed the largest number of pancreatic resections in the state of Massachusetts. His research interests were initially on the pathogenesis and treatment of acute pancreatitis.

Carlos Fernández-del Castillo MD

Using measurement of trypsinogen activation peptide (TAP) as a tool, and with animal models and cell experiments, he found that activation of interstitial trypsinogen was the main determinant of progression from mild to severe pancreatitis. The laboratory investigated the effects of many drugs, including nafamostat, leixipafant, and activated protein C, in the treatment of experimental pancreatitis, and did key studies that showed that non-oxidative metabolism of ethanol leads to pancreatic injury. In a clinical study published in the New England Journal of Medicine he showed that calcium administration was the main culprit of pancreatitis following cardiac surgery. This observation was followed by laboratory work showing the roles of ischemia and hypercalcemia in pancreatic injury.

Starting in the year 2000 he changed his focus to the study of cystic neoplasms of the pancreas and pancreatic cancer, and oversaw the expansion of the MGH Pancreas Biobank, that at present holds over 3500 specimens with clinical correlation. He has had a particular interest in Intraductal Papillary Mucinous Neoplasms, seeking to understand the mechanisms that lead to progression from low to high-grade lesions, the proper selection of patients requiring surgery, and the course of patients who undergo resection for IPMN, including those who are found to have invasive carcinoma. Since 2006 he has played a key role in the development of the International Association of Pancreatology guidelines for management of IPMN. Dr. Fernández-del Castillo has authored over 300 original articles and 100 book chapters and reviews, with an h-index of 107. He currently holds NIH funding for the study of biomarkers and the prevention of progression in IPMN, and was recently named an IPMN Scholar by the IPMN Global Foundation. He serves in several editorial boards, including Annals of Surgery, Annals of Surgical Oncology, and Pancreatology.

VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT (CONTINUED)

Dr. Fernandez-del Castillo has trained over 25 clinical and laboratory research fellows from Europe, Asia, Latin America, and the United States, and has been recipient of multiple teaching awards from the Massachusetts General Hospital, Harvard Medical School, and the Society of Surgery of the Alimentary Tract.

He is member of many medical associations, and in 2015-2016 was president of the American Pancreatic Association.

On a personal level, he has been married for 36 years to his wife Sylvia. Together they are the proud parents of 9 children and 7 grandchildren.

DISTINGUISHED SERVICE AWARD



Megan Golden JD

Megan Golden is co-director of **Mission: Cure**, a nonprofit using outcome-based financing, impact investing and drug repurposing to cure chronic pancreatitis, a devastating disease afflicting her younger brother. Until March 2017, Megan was Director, Pay for Success Financing at the South Carolina-based Institute for Child Success. She worked with jurisdictions across the U.S. to improve their children's health, education and well-being through large-scale expansions of effective early childhood programs. She conducted ICS's feasibility study on Pay for Success financing for the Nurse-Family Partnership in South Carolina, which resulted in a \$30 million expansion that served thousands of low-income first-time mothers. This Pay for Success project was the

largest in the world and the first to use Medicaid funding as part of the financing package. She served on the advisory group for McKinsey & Company's work on "social impact bonds," and has published extensively on PFS financing and performance measurement.

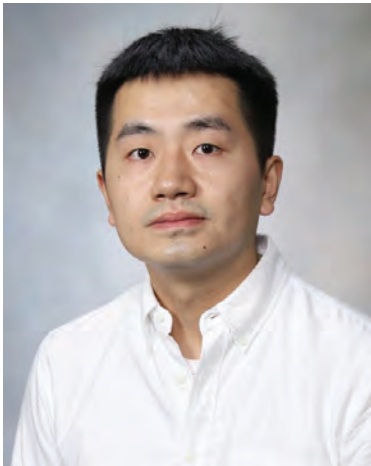
From 1999-2011, Megan was Director of Planning and Government Innovation at the Vera Institute of Justice, where she worked with government to implement innovations in criminal justice, child welfare, mental health, and eldercare. She led a major reform of New Orleans's criminal justice system and helped Chinese academics and officials pilot criminal justice reforms. Megan also directed the Fellowship for Emerging Leaders in Public Service at the NYU Wagner Graduate School of Public Service from 2006 – 2009. Megan practiced law from 1992-1994 as a Skadden Fellow at the Neighborhood Defender Service of Harlem. In 1994, she was awarded a White House Fellowship. Megan began her career working for New York City government as an Urban Fellow. She has a BA in political science from Brown University and a JD, *magna cum laude*, from NYU Law School.

YOUNG INVESTIGATOR IN PANCREATITIS GRANT



Laura Antonucci PhD
UCSD

Linking pancreatitis, oxidative stress, and lipid metabolism in pancreatic cancer progression: a new avenue to early intervention



Jiale Wang MD
Mayo Clinic

CRISPR-based Gene Therapy for Human Hereditary Pancreatitis



Cory Wyatt PhD
OHSU

Early Detection of Necrosis in Acute Pancreatitis using Magnetic Resonance Fingerprinting

YOUNG INVESTIGATOR TRAVEL AWARDS

Laura Antonucci PhD | University of California, San Diego
Holly Attebury PhD Candidate | University of Michigan
Oyedotun Babajide MD | Mayo Clinic
Susmita Barman PhD | University of Nebraska Medical Center
Katelyn Cassel BS | University of Wisconsin
Kaylin Chasser PhD | The Ohio State University Wexner Medical Center
Chongfa Chen | National Natural Science Foundation of China
Sophia Chen MD, MPH | Johns Hopkins University
Breanna Collins BS | Stanford University
Michelle Cooley PhD | University of Wisconsin
Shakti Dahiya PhD | University of Pittsburgh Medical Center
Alexandra Demcsak MD, PhD | University of California, Los Angeles
Chinenye Dike MD | Cincinnati Children's Hospital Medical Center
Ajay Dixit PhD | University of Minnesota
Min Young Do | Gangnam Severance Hospital, Yonsei University College of Medicine
Min Young Do | Gangnam Severance Hospital, Yonsei University College of Medicine
Erika Faraoni PhD | The University of Texas Health Science Center at Houston
Robert Farquhar | Freeman Hospital
Delvise Fogwe MD | Mayo Clinic
Vanessa Garrido PhD | University of Miami
Shailendra Gautam PhD | University of Nebraska Medical Center
Hindole Ghosh PhD | University of Kansas Medical Center
Kristyn Gummer-Fedus PhD | The Ohio State University Wexner Medical Center
Xiaoyu Guo MD | Shanghai General Hospital Shanghai Jiao Tong University School of Medicine
Vineet Kumar Gupta PhD | University of Miami
Ana Karen Gutierrez-Garcia PhD | University of Alabama at Birmingham
Rasmus Hagn-Meincke MD | Stanford University
Gregory Hooks | University of Minnesota
Zelin Hou Doctor Degree (Postgraduate) | Fujian Medical University Union Hospital
HyeJeong Jeong MD | Samsung Medical Center
Husain Khan PhD | Karmanos Cancer Institute, Wayne State University
Biswajit Khatua PhD | National Institute of Health
Bomi Lee PhD | Stanford University
Bin Li MD, PhD | Shanghai General Hospital Shanghai Jiao Tong University School of Medicine
Liang Li PhD | Shanghai General Hospital Shanghai Jiao Tong University School of Medicine
Alina Li BS | Columbia University
Soumya Jagannath Mahapatra | All India Institute of Medical Sciences, New Delhi
Shounak Majumder MD | Mayo Clinic
Alexander Nasr MD | Cincinnati Children's Hospital Medical Center
Karin Oh | Memorial Sloan Kettering Cancer Center
Andrea Párnitzky MD, PhD | Semmelweis University

YOUNG INVESTIGATOR TRAVEL AWARDS

Chamini Perera PhD | University of New South Wales
Jason Pitarresi PhD | University of Massachusetts Medical School
Chang Qu PhD | Xuanwu hospital Capital Medical University
Yu Ren PhD | University of Oklahoma Health Sciences Center
Lincoln Strickland BS | University of Texas Health Science Center at Houston
Nikhil Thiruvengadam MD | University of Pennsylvania
Vincent Quoc-Huy Trinh MD, MSc | Vanderbilt University Medical Center
Cheng-Yu Tsai PhD | Stanford University
Jiale Wang MD | Mayo Clinic
Lillian Wang MD | Mayo Clinic
Guangfu Wang | National Natural Science Foundation of China
Yuan-Chen Wang | National Natural Science Foundation of China
Yuan-Chen Wang | National Natural Science Foundation of China
Des Weighill PhD | University of North Carolina, Chapel Hill
Stuart Weisberg MD, PhD | National Institute of Health
Steven Wilhelm BS | Washington University in St. Louis
Sonja Woermann MD, PhD | The University of Texas MD Anderson Cancer Center
Zhihong Xu PhD | University of New South Wales
Jing Xue | Shanghai Jiaotong University School of Medicine, Renji Hospital
Sen Yang MD | Peking Union Medical College Hospital
Jing Yong PhD | Cedars Sinai Medical Center
Piotr Zelga MD, PhD, MPhil | Massachusetts General Hospital
Xu Zhou | University Clinic Heidelberg
Zhijun Zhou MD | University of Oklahoma Health Sciences Center

POSTERS



POD 1. Increased Risk of Pancreatic Cancer among 141,387 Diabetic Patients Treated with DPP-4 Inhibitors Analyzed with Common Data Model

Jun Kyu Lee Professor | Dongguk University Ilsan Hospital

POD 2. Tumor-cell intrinsic Cxcl1 governs spatial relationships with innate and adaptive immune populations in the pancreatic tumor microenvironment

Anna Bianchi MS | University of Miami

POD 3. Depletion of RAGE Stimulates Anti-tumor Immunity in Pancreatic Cancer

Ana Karen Gutierrez-Garcia PhD | University of Alabama at Birmingham

POD 4. Granulocytic MDSC-derived inflammasome activation is a novel regulator of secretory cancer-associated fibroblast phenotypes in pancreatic cancer

Iago De Castro Silva MD | University of Miami

POD 5. Single-cell RNA sequencing reveals the impact of diabetes on the distribution of CAF subpopulations in the pancreatic cancer microenvironment

Chongfa Chen | National Natural Science Foundation of China

POD 6. DCLK1 Isoforms 2 and 4 C-terminal Extracellular Binding Domain Mediates PDAC Tumorigenesis through Protein-Protein Interactions

Dongfeng Qu PhD | University of Oklahoma Health Sciences Center

POD 7. Cell autonomous adenosine signaling through Adora2b promotes pancreatic intraepithelial neoplasia

Lincoln Strickland BS | University of Texas Health Science Center at Houston

POD 8. Targeting stromal-specific p38 MAPK signaling to impair inflammatory reprogramming of cancer-associated fibroblasts in pancreatic cancer

Samara Singh BA | University of Miami

POD 9. Prochlorperazine targets mast cell-tumor cell interaction by inhibiting histamine receptor 1 to regulate histone lysine demethylase 3A activity in PDAC

Hindole Ghosh PhD | University of Kansas Medical Center

+POD 10. Tumor cell-intrinsic SETD2 deficiency reprograms neutrophils to foster immune escape in pancreatic ductal adenocarcinoma

Jing Xue | Shanghai Jiaotong University School of Medicine, Renji Hospital

POD 11. Single-Cell RNA Sequencing Revealed Subclonal Heterogeneity And Gene Signatures for Predicting Response to Chemotherapy in Pancreatic Cancer

Zelin Hou Doctor Degree (Postgraduate) | Fujian Medical University Union Hospital

POD 12. Macrophage AXL and MERTK Receptor Tyrosine Kinases Are Required for Pancreatic Tissue Regeneration after Acute Pancreatitis

Bin Li MD, PhD | Shanghai General Hospital Shanghai Jiao Tong University School of Medicine

POD 13. A large-scale proteomic analysis reveals massive serum proteomic flux after induction therapy in leukemic patients and pinpoints lower TRAF3 in cases of asparaginase-associated pancreatitis

Cheng-Yu Tsai PhD | Stanford University

POD 14. Inhibition of Mitochondrial P53 Ameliorates Acute Pancreatitis Through Reduction of Mitochondrial Injury and Cell Necrosis

Muhammad Awais PhD | The University of Liverpool

POD 15. Hedgehog Signaling in Pancreatic Stellate Cells Modulates Severity of Chronic Pancreatitis in Animal Models

Srikanth Iyer PhD | University of Alabama at Birmingham

+POD 16. Ketogenesis acts as an endogenous protective programme to restrain inflammatory macrophage activation during acute pancreatitis

Jing Xue | Shanghai Jiaotong University School of medicine, Renji Hospital

POD 17. DNCR-1 in Dendritic Cell limits pancreatic tissue damage during Chronic Pancreatitis via suppressing Th17 immune cell infiltration and persistent acinar-to-ductal metaplasia

Liang Li PhD | Shanghai General Hospital Shanghai Jiao Tong University School of Medicine

POD 18. Unsaturated fatty acids cause T-cell injury with impaired bacterial clearance, organ failure and sepsis during acute pancreatitis.

Biswajit Khatua PhD | National Institute of Health

+POD 19. Computed tomography-based delta radiomics of tumor core-edge combination for systemic treatment response evaluation in pancreatic cancer

Tingbo Liang | The First Affiliated Hospital, Zhejiang University School of Medicine

+POD 20. Normalization of the Tumor Marker and a Clear Resection Margin Affect Progression-Free Survival of Patients with Unresectable Pancreatic Cancer who have Undergone Conversion Surgery

Tingbo Liang | The First Affiliated Hospital, Zhejiang University School of Medicine

POD 21. Radiofrequency Ablation in Combination With CD73 Inhibitor AB680 Reduces Tumor Growth and Enhances Anti-tumor Immunity in a Syngeneic Model of PDAC

Erika Faraoni PhD | The University of Texas Health Science Center at Houston

POD 22. Fully Covered Versus Uncovered Self-Expanding Metal Stents for the Treatment of Distal Malignant Biliary Obstruction in the Setting of Locally Advanced Pancreatic Cancer

Lillian Wang MD | Mayo Clinic

POD 23. Association of Glycated Hemoglobin with Risk of Pancreatic Cancer in High-Risk Individuals Based on Genetic and Family History

Rebecca Moon MD | Kaiser Permanente

POD 24. Diagnostic Performance of Endoscopic Ultrasound Elastography for Differential Diagnosis of Solid Pancreatic Lesions: A Propensity Score-matched Analysis

Min Young Do | Gangnam Severance Hospital, Yonsei University College of Medicine

POD 25. Comparison of Demographic and Clinical Characteristics of Patients with New-onset vs Long-standing Type 2 Diabetes Preceding Pancreatic Ductal Adenocarcinoma Diagnosis

Karin Oh | Memorial Sloan Kettering Cancer Center

POD 26. Intraoperative positive pancreatic parenchymal resection margin : Is it a true indication of completion total pancreatectomy after partial pancreatectomy for pancreatic ductal adenocarcinoma?

HyeJeong Jeong MD | Samsung Medical Center

POD 27. Essential Fatty Acid Deficiency is Common after Total Pancreatectomy and Islet AutoTransplantation

Elissa Downs MD, MPH | University of Minnesota

POD 28. A Single Bout of Acute Pancreatitis has Deleterious Impacts on Health Related Quality of Life Measures in Children

Alexander Nasr MD | Cincinnati Children's Hospital Medical Center

POD 29. Characterization of Circulating Immune Cells Expressing Neutrophil Gelatinase Associated Lipocalin in Subjects With Chronic Pancreatitis

Kaylin Chasser PhD | The Ohio State University Wexner Medical Center

+POD 30. Characteristics of acute pancreatitis patients complicated with hyperlactemia and their fluid resuscitation therapy strategies exploration

Tianao Yan Postgraduate | Xi'an Jiaotong University

POD 31. Association of Statin Usage and the Development of Diabetes Mellitus after Acute Pancreatitis.

Nikhil Thiruvengadam MD | University of Pennsylvania

POD 32. Quantitative MRI of Chronic Pancreatitis – Results from a Multi-Institutional Prospective Study: Magnetic Resonance Imaging as a Non-Invasive Method for Assessment of Pancreatic Fibrosis (MINIMAP)

Temel Tirkes Associate Professor of Radiology and Medicine | National Institute of Health

POD 59. Pancrelipase Impact on Stool Frequency and Consistency in Patients With Exocrine Pancreatic Insufficiency Due to Chronic Pancreatitis or Pancreatic Surgery: Analysis of Patient-Reported Daily Symptoms

Jodie Barkin MD | AbbVie

P 64. Zinc-Dependent EGFR Recycling Drives Tumor Metastasis and Cetuximab Resistance in Pancreatic Cancer

Yu Ren PhD | University of Oklahoma Health Sciences Center

P 65. Neutrophil Extracellular Traps Influence Pancreatic Adenocarcinoma Vascularity

Abby Ivey Graduate Student | West Virginia University

P 66. HNF1A is a novel and critical target of BET-inhibitors in pancreatic ductal adenocarcinoma

Ethan Abel PhD | Roswell Park Comprehensive Cancer Center

P 67. Lipopolysaccharide (LPS) Mediated Toll Like Receptor-4 (TLR4) Agonism Reduces Tumor Burden in Pancreatic Cancer Model by Translating CD4+ T-Cells to A Cytotoxic Phenotype

Utpreksha Vaish PhD | University of Alabama at Birmingham

P 68. The Thermogenic Activity of Intra-pancreatic Fat Fuels The Progression of Pancreatic Cancer

Xinpeng Yin MBBS | Peking Union Medical College Hospital

P 69. Cole Relaxation Frequency for the Detection of Pancreatic Cancer and Precancerous Conditions

Les Bogdanowicz PhD, MBA | University of Illinois at Chicago

P 70. Cancer-T-cell crosstalk regulates MUC4 expression and glycosylation in pancreatic cancer

Xiaoqi Li MS | University of Nebraska Medical Center

P 71. Elucidating state-specific therapeutic vulnerabilities in pancreatic cancer

Jimmy Guo BA | Massachusetts General Hospital

P 72. Noninvasive risk stratification of intraductal papillary mucinous neoplasia with malignant potential by serum apolipoprotein-A2-isoforms

Kazufumi Honda DDS, PhD | Nippon Medical School

P 73. Nuclear GSK-3 β and Oncogenic KRas Lead to the Retention of Pancreatic Ductal Progenitor Cells Phenotypically Similar to Those Seen in IPMN

Li Ding PhD | Mayo Clinic

P 74. Palmitic Acid Induces Macrophage Pyroptosis and Facilitates Migration and Invasion of Pancreatic Cancer Cells via NLRP3/IL-1 β Signaling

Jian Yang MD | Qilu Hospital of Shandong University

+P 75. Bortezomib reverses the immunosuppressive tumor microenvironment and inhibits PDAC progression by triggering immunogenic cell death

Fukang Shi | The First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China

P 76. Treatment remodeling of multicellular neighborhoods in pancreatic cancer using single-cell spatial transcriptomics

Carina Shiau BA | Massachusetts General Hospital

P 77. Targeting mutant KRAS and its metabolic dependencies in pancreatic cancer using lipid nanoparticle delivery systems

Nidhi Jyotsana PhD | Vanderbilt University

P 78. Extracellular Vesicles-dependent MUC1 Release through MUC1 Cytoplasmic Tail and ALIX Association Drives Tumor Growth and Metastasis in Pancreatic Cancer

Ying Huang PhD | University of Nebraska Medical Center

P 79. Chmp1A regulates pancreatic cancer growth through post-translational modification by SUMO and Ubiquitin

Maiyon Park | California University of Science and Medicine (CUSM)

+P 80. Blockade of SREBP1 signaling pathway inhibit tumor progression and sensitize immunochemotherapy of pancreatic cancer

Mengyi Lao | National Natural Science Foundation of China

P 81. Characterizing Abdominal Pain and Alternative Treatment Approaches for Pain in an Online Patient Community for Chronic Pancreatitis

Jodie Barkin MD | Aimmune Therapeutics, a Nestlé Health Science company

P 82. Exploring the Participation of NADPH oxidase 1 in PDAC Progression through CA-19-9 level.

Maria Sabbatini PhD | Augusta University

P 83. Enhanced anti-inflammatory ferroptosis defense contributes to immunosuppression in obesity-related pancreatic carcinogenesis

Rexiati Ruze MS | Chinese Academy of Medical Sciences (CAMS) Innovation Fund for Medical Sciences (CIFMS, 2021-I2M-1-002)

P 84. ATM mutations profile in pancreatic ductal adenocarcinoma assessed by targeted ultra-deep next generation sequencing of FNA-genomic DNA and cfDNA samples

Raluca Chelaru | UEFISCDI - Research Grant PN-III-P1-1.2-PCCDI-2017-0797, PANCNGS

P 85. Squalene epoxidase promotes pancreatic cancer progression and is a therapeutic target

Ruiyuan Xu MBBS | Chinese Academy of Medical Sciences, Peking Union Medical College

P 86. A Novel Vioradiotherapy for Pancreatic Cancer: Theranostic Applications

Benjamin Eidenschink MD | University of Minnesota

P 87. New insights into PTBP3 in pancreatic cancer: Immune cell infiltration, TMB, MSI, PDCD1 and m6A markers

Zhen Fang MD | Xuanwu hospital Capital Medical University

P 88. Identification of Inflammatory Subtypes of Pancreatic Ductal Adenocarcinoma

Kelly Herremans MD | University of Florida

P 89. Targeting the Urokinase Plasminogen Activator System in Combination With Chemotherapy Halts Primary Tumour Growth and Eliminates Metastasis in Advanced Pancreatic Cancer

S M Zahid Hosen | University of New South Wales

P 90. Nutraceuticals as Adjunct Therapy for Pancreatic Adenocarcinoma: A Systematic Review and Meta Analysis of Ex-Vivo and Observational Trials

Arianna Smith DO | Lake Erie College of Osteopathic Medicine

P 91. NQO1 as a biomarker for chemotherapy response prediction in pancreatic cancer

Chandni Patel MPharm | University of Liverpool

P 93. Intelligent personalized risk prediction for intraductal papillary mucinous neoplasms of pancreas

Aleksandra Karolak Assistant Professor | H. Lee Moffitt Cancer Center and Research Institute

P 94. Inhibiting Heme Oxygenase-1 Promotes Autophagy and Enhances the Cytotoxicity of Arsenic Trioxide in Pancreatic Cancer

Maher Abdalla PhD | University of Nebraska Medical Center

P 95. Study of biological function of domains of CA125/MUC16 in progression and metastasis of pancreatic cancer

Amina Baniya | University of Nebraska Medical Center

P 96. Urine Proteomics Profiling Identify Novel Acute Pancreatitis Diagnostic Biomarkers

Venkata Akshintala MD | Johns Hopkins University

P 97. Elevated Albumin Unbound Non-Esterified Fatty Acids (uNEFA) Mediate Injury in Patients With Severe Acute Pancreatitis (AP)

Bryce McFayden BS | Mayo Clinic

P 98. Tumor Protein D52 is a Unique Exosome-Associated Secretory Protein That Plays a Major Role in Acinar Cell Autophagic Clearance

Guy Groblewski PhD | University of Wisconsin

P 99. Defining the Function of the SPCA2C-Calumin Interaction in Pancreatic Calcium Homeostasis

Petra Samardzija BMSc | University of Western Ontario, Children's Health Research Institute, London, Ontario, Canada

P 100. A novel in-vitro model replicating the pathophysiology of human visceral fat necrosis during acute pancreatitis

Nabil Smichi PhD | Mayo Clinic

P 101. Chymotrypsinogen C (CTRC) promoter mutations are not associated with chronic pancreatitis

Balázs Németh MD, PhD | University of Szeged

P 102. Inhibition of NOTCH Signaling Pathway as a Novel Therapeutic Strategy Against Chronic Pancreatitis

Srikanth Iyer PhD | University of Alabama at Birmingham

P 103. Hepatic-Pancreatic Axis in Alcoholic Chronic Pancreatitis

Mukund Srinivasan PhD | National Institute of Health

P 104. Pancreatic stellate cells modulate acinar cell organization in a three-dimensional co-culture model

Johanna Laukkarinen Prof | Tampere University

P 105. Hedgehog Signaling in Pancreatic Stellate Cells Induces Pro-fibrogenic Pathways and Modulates Immune Environment

Sagnik Giri PhD | University of Alabama at Birmingham

P 106. Fc- SPINK1 fusion proteins for treatment of pancreatitis

Jeffrey Way PhD | Harvard Medical School

P 107. Emodin protects pancreas-colon-lung tissue by inhibiting neutrophil extracellular traps in severe acute pancreatitis

Meihua Wan MD | West China Hospital

P 108. Cerulein-induced Acute Pancreatitis Compromises Beta-Cell Function and Leads to Early Parenchymal Damage

Karla Castellanos PhD, MS | University of Illinois at Chicago

P 109. Butyrylcholinesterase (BCHE) Controls Canine Pancreas Enzymes Synthesis Rate. Human Pancreatitis Without Duct Obstruction, is Caused by Secretagogue Hyperstimulation, and Cured by Receptor Blocking.

Thomas Dressel BME, MS, MD | University of Minnesota

P 111. TPIAT patients show distinct gene expression profiles according to age and diabetes status

Fatima Alwan MS | University of Minnesota

+P 112. Huaier's extract attenuates acinar pyroptosis in acute pancreatitis by inhibiting ROS/NLRP3/GSDMD signaling pathway

Zheng Wu Prof. | The First Affiliated Hospital of Xi'an Jiaotong University

P 113. Efficacy of Perfusing Tap Water in a Gastric Balloon on Pancreatic Cooling in an Alert Upright Large Animal

Megan Summers BS | Mayo Clinic

+P 114. Modified Chaikin chengqi Decoction Alleviates Fibrosis Formation in Pancreatic Stellate Cells and Experimental Chronic Pancreatitis via Regulation of Mitochondria Dynamics

Xiaoying Zhang MD, PhD | West China Hospital

P 115. Incidence and Risk Factors of Suicide Among Patients With Pancreatic Cancer: a Population-based Analysis From 2000 to 2018

Yifei Ma Certificate of Physician Credentials | The First Affiliated Hospital of Xi'an Jiaotong University

+P 116. Longitudinal analysis of body composition using deep learning in metastatic pancreatic cancer

Min Woo Lee | Seoul National University Hospital

P 117. Clinicopathologic implications of bacterial RNA in cyst fluid samples of Intraductal Papillary Mucinous Neoplasms of the Pancreas

Dario Missael Rocha-Castellanos MD | Harvard Medical School

+P 118. Risk factors affecting prognosis and survival predicting model in pancreatic cancer patients with vascular invasion after pancreaticoduodenectomy combined with vein resection and reconstruction

Jiali Yang | Chongqing General Hospital

P 119. Importance of Multiple Tumor Markers in Conversion Surgery for Unresectable Locally Advanced Pancreatic Cancer.

Minako Nagai MD, PhD | Nara Medical University

P 120. Hypertriglyceridemia-Associated Pancreatitis and Clinical Outcomes

Jennifer Koh MD, MPH | University of Southern California

P 121. Surgical Site Infections Are Associated with Early Recurrence of Pancreatic Cancer After Resection

Ranish Patel MD | Oregon Health & Science University

+P 122. Survival impact of occult abdominal metastasis in pancreatic ductal adenocarcinoma

Daisuke Hashimoto MD, PhD | Kansai Medical University

P 123. Health-related quality of life and anxiety levels among patients under surveillance for intraductal papillary mucinous neoplasm

Hanna Seppänen Adj. Prof. | Helsinki University Hospital and University of Helsinki

P 124. Proteomic Analyses Identified Novel Cyst Fluid Biomarkers in Differentiating Pancreatic Cystic Neoplasms

Ming Cui MD | Peking Union Medical College Hospital

P 125. Establishment and Analysis of Prognostic Model of Pancreatic Ductal Adenocarcinomas based on Nerve-Cancer Cross-talk-related Gene

Lei Jiang MD | The First Affiliated Hospital of Nangjing Medical University

P 126. Outcomes of Pancreaticoduodenectomy for Pancreas Cancer in Patients with Limited English Proficiency

Chinelo Eruchalu BS | Mayo Clinic

Friday, November 4, 2022

+ Indicates Online Only

P 127. Periodontitis Increases the Risk of Complications After Pancreatic Surgery

Kethe Hermunen MD, PhD | Finska Läkaresällskapet

P 128. Pancreas volume and Fecal Elastase-1 as prognostic marker for Pancreatic Exocrine Insufficiency following pancreatic resection

Min Kyu Jung Associate Professor | Kyungpook National University School of Medicine

P 129. Delayed gastric emptying after pancreatic surgery: Analysis of different Surgical technics with or without complications for elimination

Gyula Farkas | University of Szeged

P 130. Comparison of 19G vs 22G Franseen-tip-EUS-FNB Device for Diagnostic Accuracy and Patient Derived Organoid (PDO) Yield: a Prospective Controlled Study

Sarah Klauss MD | Ludwig-Maximilians-University of Munich

P 131. Loss of ATRX and overexpression of p16 were associated with poor survival of resectable non-functional pancreatic neuroendocrine tumors

Suming Huang | Zhongshan hospital, Fudan university

P 132. Multianalyte Radiomic Feature and Clinicopathological Characteristic Based Prediction of Treatment Response in Pancreatic Cancer

Ammar Javed MD | NYU Langone Health

P 133. Comparison of Clinical Features and Outcomes between Ventral and dorsal buds of foregut derived pancreatic ductal adenocarcinoma underwent upfront surgery

Bo Li | National Natural Science Foundation of China

P 134. BASECAMP-1: Leveraging human leukocyte antigen (HLA) loss of heterozygosity (LOH) in solid tumors by NGS to identify relapsed solid tumor patients for future logic-gated Tmod CAR T-cell therapy

Diane Simeone MD | A2 Bio

P 136. Increasing Stage of Pancreatic Adenocarcinoma is Associated With Earlier Metal Biliary Stent Occlusion

Jonathan Sadik Resident Physician | University of Southern California

P 137. Mixed Acinar-Neuroendocrine Pancreatic Carcinoma (MANEC): a Rare Subtype of Pancreatic Cancer

Melissa Daou MSc, MD candidate | Cleveland Clinic Foundation

P 138. Incidence and Risk Factors for Deep Vein Thrombosis (DVT) and Pulmonary Embolism (PE) in Necrotizing Pancreatitis (NP) - An Underappreciated Sequelae

David Jonason MD | University of Minnesota

P 139. Quality of life after endoscopic procedures for Chronic pancreatitis

Mikael Parhiala MD | Tampere University

P 140. Pancreatic Endotherapy in Painful Chronic Pancreatitis: Predictors and Response to Therapy

Ankit Agarwal | All India Institute of Medical Sciences, New Delhi

P 141. Early Hypophosphatemia as a Predictor of Outcomes in Acute Pancreatitis

Connor Stewart MD | Cedars Sinai Medical Center

P 142. Outcomes of TPIAT in patients with chronic pancreatitis and intractable pain- 8 year follow-up

Mateusz Ogledzinski MD | University of Chicago

P 143. New onset diabetes mellitus after acute pancreatitis is not associated with adverse outcomes.

Rob Farquhar MD | Newcastle Upon Tyne NHS Foundation Trust

P 144. Painless lipase elevation after ERCP and risk factors involved: Post-hoc analysis of a randomized controlled trial

Anmol Singh MBBS | Johns Hopkins University

P 145. Minor Papilla Intervention in Pancreas Divisum for Chronic Pancreatic Pain Without Underlying Chronic Pancreatitis Carries a High Risk of Post-ERCP Pancreatitis

Arjun Chatterjee MD | Cleveland Clinic Foundation

P 146. Safe and Effective Protocol to Discharge Patients in Acute Pancreatitis

Rita Nagy MD | University of Pécs

P 147. Pancreatic Duct Disruption and Disconnection are Associated with Worse Clinical Outcomes in Necrotizing Pancreatitis

Arjun Chatterjee MD | Cleveland Clinic Foundation

P 148. Pancreatic Studies in the General GI Literature: Proportion of Positive Studies

Varun Jain BS | Baylor College of Medicine

P 149. Serum Albumin as a Predictor of Multi-Organ Failure in Patients With Acute Pancreatitis

Elda Rodriguez MD | Instituto Mexicano del Seguro Social

P 150. Invalidity of Tokyo criteria for cholangitis and cholecystitis in acute biliary pancreatitis: An international cohort analysis of pancreatitis patients

Andrea Párnicky MD | Semmelweis University

P 151. Psychiatric Comorbidities and Healthcare Utilization among Patients with Chronic Pancreatitis.

Vivek Kumar MD | Brigham and Women's Hospital/Harvard University

P 152. Prophylactic Pancreatic Stent Placement for Endoscopic Duodenal Papillectomy

Kyo-Sang Yoo MD, PhD | Daejeon Eulji Medical Center

P 153. Chronic Pancreatitis is a Strong Negative Predictor of Clinical Success of ERCP in Pancreas Divisum

Jason Nasser MD | Cleveland Clinic Foundation

P 154. Are CKD Patients With Acute Pancreatitis Under Treated for Pain? A Prospective Cohort Observational Study.

Jin Sun Kim MD | University of Southern California

P 155. Quality of Life Following TPIAT: A Patient Experience Survey

Laura Barthold BA | Dartmouth-Hitchcock Medical Center

P 156. Minor Papilla Intervention Results in Longer Sustained Response in Recurrent Acute Pancreatitis Compared to Chronic Pancreatic Pain

Jason Nasser MD | Cleveland Clinic Foundation

P 157. Characteristics of Super-utilizers and its Impact on Healthcare Utilization among Patients Admitted with pancreatitis

Vivek Kumar MD | Brigham and Women's Hospital/Harvard University

P 158. Pancreatitis in the Complex Care Population: Presentation, Incidence and Severity

Lindsey Hornung MS | Cincinnati Children's Hospital Medical Center

P 159. In-hospital Patient Education Markedly Reduces Alcohol Consumption After Alcohol-induced Acute Pancreatitis

Rita Nagy MD | University of Pécs

P 160. Pancreatic Endometriosis: A Comprehensive Review of the Literature

Varun Jain BS | Baylor College of Medicine

P 161. Fate of small remnant pancreas tail in splenic hilum after laparoscopic spleen preserving distal pancreatectomy

Sooyeon Lim MD | Samsung Medical Center

P 162. A case of Type II Autoimmune pancreatitis in a patient treated with pembrolizumab adjuvant therapy

Yasmin Hernandez-Barco MD | Massachusetts General Hospital

P 163. A Rare Case Report of a Common Bile Duct to Pancreatic Pseudocyst Fistula.

Ashlea McManus MD | Jewish Hospital

P 164. Experience of Video-assisted retroperitoneal necrosectomy in a reference center in Mexico

Luis Montiel Hinosa MD | Hospital Regional de Alta Especialidad del Bajío

P 165. Treatment of acute pancreatitis via early restoration of normal physiology of pancreatoduodenal region

Vitali Proutski | PanDx Ltd, Cambridge UK.

P 166. ACUTE NECROTISING PANCREATITIS as the INITIAL PRESENTING PROBLEM of UNDIAGNOSED PARATHYROID ADENOMA

Adam O'Connor MRCS | Tameside and Glossop Integrated NHS Foundation Trust

POD 33. EUS-guided tissue acquisition using novel torque technique are comparable with fanning technique in solid pancreatic lesions: multicenter, randomized trial

Dong Hee Koh Prof. | Hallym University Dongtan Sacred Heart Hospital

POD 34. Cell-in-cell structure-mediated entotic cell death reveals metastatic advantage in pancreatic cancer

Jianlu Song MS | National Natural Science Foundation of China

POD 35. lncRNA NEAT1 promotes perineural invasion of pancreatic cancer via E2F1/GDNF axis

Jingtiao Gu PhD candidate | National Natural Science Foundation of China

+POD 36. Exosomes-packaged PIAT from cancer-associated fibroblasts regulates perineural invasion of pancreatic cancer via YBX1-dependent m5c modification

Rufu Chen | the National Natural Science Foundation of China

+POD 37. Metformin inhibits neutrophil extracellular traps-mediated pancreatic carcinogenesis in obese mice

Guangfu Wang | National Natural Science Foundation of China

POD 38. Acetyl-coA Synthetase 2 Drives Macropinocytosis and Muscle Wasting in Pancreatic Cancer

Zhijun Zhou MD | University of Oklahoma Health Sciences Center

POD 39. The metastasis suppressor NDRG1 inhibits biogenesis of extracellular vesicles to attenuate oncogenic cross-talk between pancreatic cancer cells and stroma.

Zaklina Kovacevic | University of Sydney

POD 40. A Novel Replication Stress Model to Predict Prognosis and Response to Chemotherapy in Pancreatic Cancer

Zhijun Zhou MD | Oklahoma Health Science Center

POD 41. CPA1 mutation accelerates precancerous pancreas lesions in KC mice

Alexandra Demcsak MD, PhD | University of California, Los Angeles

POD 42. Effect of TGF-B and IL-1B Inhibition on Preclinical Mouse Models of Pancreatic Ductal Adenocarcinoma with Differential Metastasis Potential and Heterogeneous Cancer-associated Fibroblast Populations

Sophia Chen MD, MPH | Johns Hopkins University

POD 43. Recombinant AAV-8 Mediated Pancreas-Specific Expression of SPINK1 Gene in the Prevention and Treatment of Chronic Pancreatitis (Online Only)

Yuan-Chen Wang | National Natural Science Foundation of China

POD 44. Deletion of pancreatic ductal cell-specific orai1 protects against acute pancreatitis via restoring impaired pancreatic ductal secretion

Xiaoyu Guo MD | Shanghai General Hospital Shanghai Jiao Tong University School of Medicine

POD 45. Piezo1 Regulates Pancreatic Duct Epithelial-interstitial Transformation During Chronic Pancreatitis

Chang Qu PhD | Xuanwu hospital Capital Medical University

POD 46. Noncanonical autophagy involving single-membrane LC3 lipidation in pancreatic acinar cells

Michelle Cooley PhD | University of Wisconsin

POD 47. Transcriptional Mechanisms Regulating Lysosomal and Mitochondrial Pathways in Pancreatitis: Effects of Sulforaphane

Olga Mareninova PhD | National Institute of Health

POD 48. The Pancreatic Microbiome Modulates Disease Severity and Immune Cell Infiltration in Chronic Pancreatitis

Holly Attebury PhD Candidate | University of Michigan

POD 49. Clinicopathological and survival characteristics of solid pseudopapillary neoplasm of the pancreas after surgery : A retrospective analysis of 454 cases

Sen Yang MD | Peking Union Medical College Hospital

POD 50. Endoscopic ultrasound-guided fine needle aspiration as a feasible tool to profile microbial composition, diversity and signatures of intervention-naïve pancreatic lesions

Zhen Li Associate Professor | Qilu Hospital of Shandong University

POD 51. Rigorous, cross-laboratory study and validation of biomarkers that statistically outperform CA19-9

Randall Brand MD | University of Pittsburgh Medical Center

POD 52. Conserved Gastric Metaplastic Lineages in Intraductal Papillary Mucinous Neoplasms Redefines Dysplasia and Subtypes

Vincent Quoc-Huy Trinh MD, MSc | Vanderbilt University Medical Center

POD 53. Resection prolongs survival in patients with pancreatic neuroendocrine carcinoma; A National Cancer Database study

Toshitaka Sugawara MD, PhD | University of Colorado

POD 54. Cyst fluid amphiregulin is elevated in high-risk pancreatic mucinous cysts

Breanna Collins BS | Stanford University

POD 55. Long-Term Follow-up Outcomes of Intraductal Papillary Mucinous Neoplasms: A Population-Based Study

Jaime de la Fuente MD | Mayo Clinic

POD 56. Circulating Immune Signatures of Metabolic Complications of Chronic Pancreatitis: A Pilot Identification Study

Rasmus Hagn-Meincke MD | Stanford University

+POD 57. Chronic Pancreatitis Associated with Light-to-moderate Alcohol Consumption Could Be Classified as a New Disease Subtype

Yuan-Chen Wang | National Natural Science Foundation of China

POD 58. Mitigating the Inflammatory Response in Pediatric Acute Pancreatitis; a Randomized Clinical Control Trial Comparing the Effects of Lactated Ringers and Normal Saline

Peter Farrell MD,MS | Cincinnati Children's Hospital Medical Center

POD 60. Usefulness of Inflammatory Markers Including Interleukin-6, and C-reactive Protein to Predict Severity of Acute Pancreatitis

Min Young Do | Gangnam Severance Hospital, Yonsei University College of Medicine

POD 61. Clinical Models to Predict Diabetes in Patients with Chronic Pancreatitis

Christie Jeon ScD | Cedars Sinai Medical Center

POD 62. Accelerated Combined Catheter plus Endoscopic Percutaneous Treatment for Enhanced Recovery (ACCEPTER) in patients with Infected Pancreatic Necrosis

Soumya Jagannath Mahapatra | All India Institute of Medical Sciences, New Delhi

POD 63. A Randomized Controlled Trial to Evaluate the Efficacy and Safety of Camostat in the Treatment of Chronic Pancreatitis: The TACTIC Study

Phil Hart MD | The Ohio State University Wexner Medical Center

POD 64. Pancreatic Duct Organoid Swelling is Chloride-Dependent

Yunxia O'Malley Associate Research Scientist | University of Iowa

P 167. Integrated analysis of genomic and transcriptome data revealed molecular and functional heterogeneity of primary and metastatic sites in pancreatic neuroendocrine tumors

Yiying Guo | Chinese Association of Pancreatology (CAP)

+P 168. lncRNA FAM83H-AS1 Promotes Malignant Progression of Pancreatic Puctal Adenocarcinoma byStabilizing FAM83H mRNA to Protect β -catenin From Degradation

Renyi Qin MD | National Natural Science Foundation of China

+P 169. Mutant p53-driven lncRNA LINC00857 promotes pancreatic cancer metastasis through OTUB1-mediated FOXM1 deubiquitination

Weifan Zhang | The First Affiliated Hospital of Xi'an Jiaotong University

P 170. Development of a novel therapeutic nanoparticle with high-affinity peptide for pancreatic cancer

Jing Zhou | University of Missouri

P 171. Metavert in Combination with Standard Cytotoxics Improves Therapeutic Efficacy in Pancreatic Cancer Cells and Human Pancreatic Ductal Adenocarcinoma Organoids

Jingyu An | University Clinic Heidelberg

P 172. MICAL2 Expression in Pancreatic Cancer Cells Modulates The Tumor Microenvironment Through TGF-beta Pathway

Bharti Garg PhD | Moore's Cancer Centre, University of California, San Diego

P 173. Possible Mechanisms of Increased Cytotoxic T-Cell Infiltration and Elimination of Metastasis in Pancreatic Cancer with HGF/c-MET Inhibition plus Chemotherapy

Alpha Raj Mekapogu | University of New South Wales

+P 174. Targeting myofibroblastic cancer-associated fibroblast autophagy renders pancreatic cancer eradicable by synergizing with immunotherapy

Xiaozhen Zhang | National Natural Science Foundation of China

P 175. Glucose-6-phosphate isomerase is downregulated in small extracellular vesicles from co-cultured pancreatic cancer and stellate cells: Potential candidate marker of pancreatic cancer-related diabetes

Chamini Perera PhD | University of New South Wales

P 176. The RNA binding protein RBFOX2 acts as a tumor suppressor to promote pancreatic cancer progression through alternative splicing

Karen Mann PhD | Moffitt Cancer Center

P 177. GREM1 as a Diagnostic and Prognostic Factor and its Pro-tumoral Role in Pancreatic Ductal Adenocarcinoma

Sen Yang MD | Peking Union Medical College Hospital

P 178. Tumor cell-activated macrophage plasticity exacerbates cancer cachexia through ZFP64-CSF1-GDF15 signaling axis in pancreatic cancer

Xiuhui Shi MD, PhD | University of Oklahoma Health Sciences Center

P 179. Spatial Heterogeneity of Mutant KRAS Expression in the Context of Pancreatic Cancer Subtypes

Ilse Rooman PhD | Fonds Wetenschappelijk Onderzoek

+P 180. SREBP1 Promotes Tumorigenesis and Proliferation of Pancreatic Cancer by Targeting Sox9

Cancan Zhou MD | The First Affiliated Hospital of Xi'an Jiaotong University

P 181. Chemoradiotherapy Alters Phosphorylated FAK (p-FAK) Expression in Immunosuppressive Myeloid Cells and Fibroblasts in the Tumor Microenvironment (TME) of Pancreatic Ductal Adenocarcinoma (PDAC)

John Davelaar BS, BA | Cedars Sinai Medical Center

P 182. Serum cytokines may improve diagnostic accuracy between pancreatic cancer and chronic pancreatitis

Hanna Seppänen MD, PhD | Helsinki University

P 184. Chronic Lipopolysaccharide exposure accelerates KrasG12D-induced pancreatic tumorigenesis

Zhenhua Huang | University of Heidelberg

P 185. E2F7 gene is a novel predictor for the patients who underwent pancreatectomy for pancreatic cancer

Yukiyasu Okamura Professor | Nihon University School of Medicine

P 186. Quantitative Differences in Decision Value Contribution to a Biomarker Signature are Observed with Pancreatic Cysts of Varying Size

Thomas King MD, PhD | Immunovia, Inc

P 187. Role of MALL in Pancreatic Cancer

Somnath Pandey PhD | University of Miami

P 188. Butaselen inhibits pancreatic ductal adenocarcinoma and enhances chemotherapy sensitivity by targeting thioredoxin/thioredoxin reductase system

Wentong Mei Doctorate degree | Capital Medical University

P 189. Effects of Aryl Hydrocarbon Receptor Inhibition on Pancreatic Stellate Cells

Macie Enman MD | University of Alabama at Birmingham

P 190. Gremlin1 is a key contributing factor for activated stroma in pancreatic ductal adenocarcinoma

Rachel Tindall BS | UTHealth at Houston

+P 191. Targeting cancer-associated fibroblasts sensitizes pancreatic cancer to PD-L1-based immunochemotherapy via remodeling the matrix

Yi Duan | National Natural Science Foundation of China

+P 192. MMP-28 Promotes Progression of Pancreatic Cancer via Cleaving Precursor TGF- α

Zhengtao Hong | The First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China

P 193. Positive feedback loop of pancreatic endocrine-exocrine signaling promotes the occurrence and development of pancreatic cancer

Yuan Chen MBBS | Peking Union Medical College Hospital

P 194. Development of a novel exosome drug loading approach using a pH triggered membrane-permeabilizing peptide

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