November 3-6

FORTY-FIRST ANNUAL MEETING

Northwestern Memorial Hospital Conference Center and Wyndham Hotel
ACKNOWLEDGEMENT OF SUPPORT

The American Pancreatic Association would like to extend a special thank you to the following organizations for their support of this meeting.

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Save the Date:

November 2-5, 2011
Chicago, Illinois
AMERICAN PANCREATIC ASSOCIATION
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PROGRAM OVERVIEW

Interventions in Pancreatic Necrosis
The goal will be to define the role of the various modalities in different clinical contexts. A consensus document will be prepared based on the deliberations by the participating experts & will be published in Pancreas.

Wednesday, November 3  8:00am to 4:00pm

Scientific Sessions
The scientific sessions will address basic and clinical science issues in pancreatic cancer and pancreatitis. They will feature a keynote lecture and selected abstracts.

Thursday, November 4  8:00am to 9:30am
2:30pm to 4:00pm

Friday, November 5  8:30am to 10:35am
3:00pm to 4:50pm

Saturday, November 6  8:30am to 10:45am

Abstract Poster Presentations
Authors will showcase their research in poster format. Discussion leaders will lead groups to the Posters of Distinction each day.

Thursday, November 4  7:00am to 8:00am
12:30pm to 2:30pm

Friday, November 5  7:30am to 8:30am
1:05pm to 3:00pm

Saturday, November 6  7:30 am to 8:30 am
12:15pm to 2:00pm

State-of-the-Art Lectures

Thursday, November 4  10:45am to 11:15am
Friday, November 5  12:35pm to 1:05pm

CME-Accredited Mini-Symposia

Wednesday, November 3  5:00pm to 6:30pm

Thursday, November 4  9:30am to 10:30am
11:15am to 12:30pm
4:15pm to 6:00pm

Friday, November 5  10:50am to 12:35pm
5:05pm to 6:05pm

Saturday, November 6  11:00am to 12:15pm
2:00pm to 3:00pm
SPECIAL EVENTS

25th Anniversary of Pancreas & Dr. Go as its Editor-in-Chief Reception
Wednesday, November 3
6:30pm - 8:00pm
Lakeshore Ballroom, Wyndham Chicago

Banquet Dinner & Award Presentations
Thursday, November 4
7:00pm – 10:00pm
Grand Ballroom, Wyndham Chicago

Join us as we present the Vay Liang & Frisca Go Award for Lifetime Achievement in Pancreatology, honor top abstracts presenters in various categories, and other awards. Cocktail hour begins at 7pm, dinner at 8pm.

Wine & Cheese Reception
Friday, November 5
6:30pm - 7:30pm
Krumlovsky Atrium, Northwestern Memorial Conference Center
ONSITE REGISTRATION HOURS
Location: Lakeshore Ballroom, Wyndham Hotel
Wednesday, 11/3: 7:30 AM - 3:00 PM
Location: Grand Ballroom, Wyndham Hotel
Wednesday, 11/3: 4:00 PM - 6:30 PM
Location: Mecklenberg Conference Center
Thursday, 11/4: 7:00 AM - 6:00 PM
Friday, 11/5: 7:30 AM - 6:00 PM
Saturday, 11/6: 7:30 AM - 3:00 PM

ABSTRACT SELECTION COMMITTEE
The APA Board wishes to thank the following for reviewing the over 250 abstracts received:

Dana Andersen  Miklos Sahin-Toth  Guy Grobowski
Minoti Apte     Claus Schaefer   Anna Gukovskaya
Surindar Batra  Tooru Shimosegawa Sohail Hussain
Charles Brunichardi  Diane Simeone Tetsuhide Ito
Darwin Conwell   Jennifer Tseng   Rodger Liddle
Douglas Evans    Raul Urrutia    Craig Logsdon
Chris Forsmark   Huaizhi Wang    Anirban Maitra
Martin Freeman   Andrew Warshaw   Julia Mayerle
Toru Furukawa    Kenji Yamao     Steve Pandol

YOUNG INVESTIGATOR AWARD RECIPIENTS
Congratulations to the 2010 Young Investigator Award Winners:

Thiruvengadam Arumugam  Lidiya S. Orlichenko
Beatrice G. Assouline-Thomas Jookyung Park
Melena D. Bellin         Yuliya Pylayeva-Gupta
David K. Chang           Raghuvansh P. Sah
Jinyun Chen             Lorenzo Sempere
Daniel M. DiRenzo        Vikesh K. Singh
Michelle Falkowski      Jillian K. Smith
Chongmin Huan           Andras Szabo
Greg T. Gurda           Rupiyoti Talukdar
Vivek Kadiyala          Matthew A. Tyler
Bo Kong                 Viktoria Venglovecz
Shingo Kozono           Meihua Wan
Seth B Krantz           Lidong Wang
Parini Mankad           Zuobiao Yuan
Hanno E. Matthaei
LEARNING OBJECTIVES FOR APA ANNUAL MEETING

1. Identify the best course of treatment for pancreatic necrosis.
2. Create collaborative opportunities between clinicians and basic scientists interested in diseases of the pancreas.
3. Discuss the most up-to-date research results in pancreatic diseases and their key role in defining future therapies in pancreatic diseases.
4. Recognize the bench to bedside applications of basic science research such as angiogenesis, Animal models in pancreatitis, cancer metabolism, ras signaling in pancreatic cancer, epigenetics, and nanotechnology in cancer.
5. Describe the application of new and novel therapies for pancreatic diseases such as exocrine pancreas insufficiency and IPMN.
6. Improve diagnosis of pancreatic diseases by using techniques such as EUS Trucut Biopsy, FNA, and core biopsy, cross-sectional imaging, and surgery.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Minnesota and the American Pancreatic Association (APA). The University of Minnesota is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA CATEGORY 1 CREDITS

The University of Minnesota designates this educational activity for a maximum of 18.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity. Other Healthcare Professionals who participate in this CME activity may submit their Statements of Attendance to their appropriate accrediting organizations or state boards for consideration of credit. The participant is responsible for determining whether this activity meets the requirements for acceptable continuing education.

Sessions that are accredited are denoted with the following logo:

To claim your credits, please turn in your credit sheet & evaluation to the registration desk. Both forms can be found in the meeting bags.
Dr. Banks attended Harvard College, graduated from Medical School at Columbia College of Physicians and Surgeons, and then did his internship and medical residency at Beth Israel Hospital in Boston. He joined the faculty at Harvard Medical School in 1967. In 1973, he became the Director Con Clinical Gastroenterology and Director for the Center for Pancreatic Disease at Brigham and Women’s Hospital. He initiated the Academic Clinical Track Gastroenterology Fellowship Program and continues to direct the program. Several graduates have gone on to achieve national stature.

Dr. Banks served as President of the APA and IAP, Chair of the Pancreatic Disorders Section of AGA, a member of the Gastrointestinal Drugs Advisory Committee of the US FDA, and as a member of the Board of Trustees of the American College of Gastroenterology. He has served on the editorial board of Pancreas and as an associate editor of Pancreatology. He is Vice-Chairman of the Digestive Diseases National Coalition.

Dr. Banks has received numerous awards including the Jerry S. Trier Award for Excellence in Clinical Teaching at Harvard Medical School and Brigham & Women’s Hospital in 1999, the AGA Distinguished Educator Award in 2000 and the Outstanding Achievement in Clinical Gastroenterology Award from the AGA in 2006.

Dr. Banks' major contributions in clinical research are in the field of pancreatitis with particular emphasis on recognition and treatment of severe acute pancreatitis, recognition and treatment of infected necrosis, and treatment of pain in chronic pancreatitis. Dr. Banks has written guidelines for the treatment of both acute and chronic pancreatitis, has published extensively in peer-reviewed journals, and has written two books on pancreatitis. Dr. Banks remains very active as a clinician, clinical investigator, teacher and mentor.
CO-MODERATORS:
Santhi Swaroop Vege, MD & Martin L. Freeman, MD
Lakeshore Ballroom, Wyndham Chicago

7:30 - 8:00 AM
REGISTRATION & BREAKFAST - LAKESHORE BALLROOM

8:00 - 8:05 AM
WELCOME - LAKESHORE BALLROOM
Suresh Chari, MD & Ashok K. Saluja, PhD

8:05 - 8:15 AM
MANAGEMENT OF PANCREATIC NECROSIS:
THE NEED FOR CONSENSUS
Moderators: Peter Banks, MD & Hans Beger, MD
Speaker: Santhi Swaroop Vege, MD

8:15 - 9:30 AM
DEFINITIONS & IMAGING FOR PANCREATIC NECROSIS
Moderators: Chris Forsmark, MD, Patrick Freeny, MD, William Nealon, MD

What are the main points in the revision of Atlanta classification with regards to pancreatic and/or peripancreatic necrosis excluding nomenclature of collections?
Michael Sarr, MD - Mayo Clinic

What is the current nomenclature of collections in Atlanta classification and what is the need for revisions?
Thomas Bollen, MD - Brigham & Women’s Hospital
Open Surgical Interventions for Pancreatic Necrosis cont.

When is MRI/MRCP, plus minus secretin/gadolinium indicated in necrosis?
What is the role of secretin MRCP in defining disconnected duct?
Desiree Morgan, MD - University of Alabama at Birmingham

What is the role of EUS, MRCP, CT in differentiating necrosis from pseudocyst?
How much debris in a “pseudocyst” should suggest management as necrosis instead?
George Papachristou, MD - University of Pittsburgh

How is infected necrosis diagnosed?
In 2010, is FNA any longer indicated to diagnose IN?
Scott Tenner, MD, MPH - SUNY Downstate

When is intervention indicated for sterile and infected necrosis?
Is there a role for medical management for infected necrosis?
Peter Layer, MD - Israelitic Hospital in Hamburg

9:00 - 9:30
CONSENSUS DISCUSSION
Facilitators: Tim Gardner, MD, Darwin Conwell, MD & Tooru Shimosegawa, MD, PhD

9:30 - 10:30
OPEN SURGICAL INTERVENTIONS FOR PANCREATIC NECROSIS
Moderators: Andrew Warshaw, MD & Colin Johnson, FRCS

What are the available methods of intervention for pancreatic necrosis?
Martin Freeman, MD - University of Minnesota
In 2010, when is open surgical management of PN indicated and when is it to be avoided, if possible?
Carlos Fernandez-del Castillo, MD - Massachusetts General Hospital

If open debridement is to be performed, which technique has best results?
Bettina Rau, MD - University of Rostock

10:00 - 10:30 AM
CONSSENSUS DISCUSSION
Facilitators: Andrew Warshaw, MD, Peter Banks, MD & Hans Beger, MD

10:30 - 10:45 AM
REFRESHMENTS - LAKE SHORE BALLROOM

10:45 AM - 12:00 PM
NEWER MINIMALLY INVASIVE SURGICAL TECHNIQUES: LAPAROSCOPIC AND RETROPERITONEAL SINUS TRACK (STEP UP) APPROACH
Moderators: Karen Horvath, MD, Ajith Siriwardena, MD & Andres Gelrud, MD

What are the approaches to minimally invasive necrosectomy?
John Windsor, MD - University of Auckland

What are the results with intraperitoneal laparoscopic approach?
Dilip Parekh, MD - University of Southern California

What are the results with retroperitoneal laparoscopic approach?
Pascal Bucher, MD - Geneva University Hospital
Open Surgical Interventions for Pancreatic Necrosis cont.

What are the results with retroperitoneal sinus track approach?
Ross Carter, MD - Glasgow Royal Infirmary Pancreatic Team

What are the results with STEP-UP approach?
Hjalmar VanSantvoort, MD - University Medical Center, Utrecht

11:30 AM - 12:00 PM
CONSENSUS DISCUSSION
Facilitators: Marc Besselink, MD, PhD, Jeffrey B. Matthews, MD & Jens Werner, MD

12:00 - 12:45 PM
LUNCH - LAKESHORE BALLROOM

12:45 - 2:45 PM
RADIOLOGIC AND ENDOSCOPIC APPROACHES TO NECROSIS
Moderators: Eric VanSonnenberg, MD, Nageshwar Reddy, MD & Patrick Freeny, MD

What are the results of percutaneous-only approach to debridement of necrosis?
When is it indicated?
Koenraad Mortele, MD - Brigham & Women’s Hospital

What are the results of combined percutaneous endoscopic approach?
Andrew Ross, MD - Virginia Mason Medical Center

What are the various techniques of endoscopic necrosectomy?
David Carr-Locke, MD - Beth Israel Medical Center
When is EUS-guidance indicated for endoscopic necrosectomy?
Shyam Varadarajulu, MD - University of Alabama at Birmingham

What are the challenges and future directions of transgastric debridement?
Todd H. Baron, MD - Mayo Clinic

What are results of European multicenter series of necrosectomy?
Hans Seifert, MD - Klinikum Oldenburg

What are the results of the systematic review on percutaneous drainage as a primary treatment of necrotizing pancreatitis?
What are the results from the PENGUIN trial on endoscopy necrosectomy versus surgical necrosectomy?
Marc Besselink, MD, PhD - University Medical Center, Utrecht

What are the outcomes of endoscopic management of disconnected pancreatic duct and recurrent fistula/PFCs?
Olivier Le Moine, MD, PhD - Hopital Erasme

What are the outcomes of surgical management for disconnected pancreatic duct and recurrent fistula/PFC?
Greg Beilman, MD - University of Minnesota

2:15 - 2:45
CONSENSUS DISCUSSION
Facilitators: Stefan Seewald, David Carr-Locke
2:45 - 3:30 PM  
CASE DISCUSSIONS: WHICH TECHNIQUES FOR WHICH SCENARIOS  
Facilitators: Santhi Swaroop Vege, MD & Martin Freeman, MD  

**Case-based scenarios:**  
Organ Failure or not  
Pulmonary Status  
Partially vs. Well-organized Necrosis  
Extension into gutters/Hollow Viscus  
Concomitant Gallstones  

3:30 - 4:00 PM  
WRAP UP/CONSENSUS DISCUSSION  
Facilitators: Santhi Swaroop Vege, MD & Martin Freeman, MD  

*End of Pre-Meeting Conference*
4:00 - 6:30 PM
REGISTRATION - GRAND BALLROOM @ WYNDHAM

5:00 - 6:30 PM
HIRSHBERG KEYNOTE SYMPOSIUM
PANCREATIC CANCER: FROM BENCH TO BEDSIDE AND BACK - GRAND BALLROOM
Moderators: Suresh Chari, MD & Andrew Warshaw, MD

Cancer: Old Ideas, New Insights
Vikas P. Sukhatme, MD, PhD
Beth Israel Deaconess Medical Center and Harvard Medical School

Tumor Angiogenesis and Notch Signaling
Jan Kitajewski, PhD
Columbia University

Angiogenesis and Metastasis: Role of Inflammatory Cell-Derived Matrix Metalloproteinases
James P. Quigley, PhD
The Scripps Research Institute

6:30 - 8:00 PM
RECEPTION - LAKESHORE BALLROOM @ WYNDHAM
HONORING 25TH ANNIVERSARY OF PANCREAS AND VAY LIANG W. GO, EDITOR-IN-CHIEF
7:00 AM - 6:00 PM
REGISTRATION - Krumlovsky Atrium @ Northwestern

7:00 - 8:00 AM
BREAKFAST & POSTER VIEWING
Krumlovsky Atrium

8:00 - 9:30 AM
SCIENTIFIC SESSION: Pancreatic Cancer
Mecklenburg Conference Room @ Northwestern
Moderators: Sarah Thayer, MD, PhD & Marina Pasca di Magliano, PhD

Featured Speaker: Diane Simeone, MD, University of Michigan
“Introductory Remarks”

8:15 AM  Effect of Pancreatic Cancer Resection on Glucose Homeostasis. G. Aggarwal, S.T. Chari, R. Pannala, R. Basu, A. Basu. Division of Gastroenterology and Endocrinology, Mayo Clinic, Rochester, MN; Division of Gastroenterology, Virginia Mason Medical Center, Seattle, WA


8:39 AM  Mist1 Suppresses Kras-Induced Acinar-to-Ductal Metaplasia through the Mitogen-Activated Protein Kinase Pathway. G. Shi, D. DiRenzo and S.F. Konieczny. Department of Biological Sciences and the Purdue Center for Cancer Research, Purdue University, West Lafayette, IN

8:51 AM  C4.4A Mediates AGR2 Induced Aggressiveness of Pancreatic Cancer Cells. V Ramachandran, T Arumugam, CD Logsdon. Depts. of Cancer Biology, Medical Oncology, UT MD Anderson Cancer Center, Houston, TX
9:03 AM  
**Triptolide Induces Expression of miR-129* and miR-142-3p in Pancreatic Cancer Cells.** T.N. MacKenzie, N. Mujumdar, V. Thayanithy, A. Sarver, R. Chugh, S. Subramanian, V. Sangwan, S. Vickers, A. Saluja. Department of Surgery, Department of Pharmacology, Masonic Cancer Center, University of Minnesota, Minneapolis, MN

9:15 AM  

9:30 - 10:30 AM  
**CONTROVERSIES IN PANCREATOLOGY**

**CONCURRENT SESSIONS**

**SESSION 1: CLINICAL CONTROVERSIES**
MECKLENBERG CONFERENCE ROOM
Moderators: Carlos Fernandez-del Castillo, MD & Scott Tenner, MD, MPH

**EUS-guided Trucut Biopsy vs FNA of the Pancreas EUS TCB**

Time to Get Off the Dime  
Michael J. Levy, MD - Mayo Clinic

It’s not Worth a Dime  
William Brugge, MD - Massachusetts General Hospital

**Diagnostic utility of FNA vs Core Biopsy**

Cytopathology is all you need  
Vikram Deshpande, MBBS - Massachusetts General Hospital

Tissue is the issue  
Thomas C. Smyrk, MD - Mayo Clinic Rochester
CONTROVERSIES IN PANCREATOLOGY - CONT.

SESSION 2: BASIC SCIENCE CONTROVERSIES
PRITZKER AUDITORIUM
Moderators: Craig Logsdon, PhD & Miklos Sahin-Toth, MD, PhD

The myth of clinical relevance in experimental models of acute pancreatitis: some are more mythical than others
Michael L. Steer, MD
Tufts Medical Center

Experimental pancreatitis models: why not?
Zoltán Rakonczay, MD
University of Szeged

Using trypsin to trigger pancreatitis
Craig D. Logsdon, PhD
University of Texas M. D. Anderson Cancer Center

Trypsinogen activation and pancreatitis: is it time to rethink?
Raghuwansh P. Sah, MBBS
University of Minnesota

10:30 - 10:45 AM
REFRESHMENTS - KRUMLOVSKY ATRIUM

10:45 - 11:15 AM
CLINICAL STATE OF THE ART LECTURE
MECKLENBERG CONFERENCE ROOM
Introduction: Martin Freeman, MD

Planning and running the NIH funded randomized trial of sphincter of Oddi dysfunction (EPISOD)
Peter Cotton, MD
Medical University of South Carolina
11:15 AM - 12:30 PM
PANCREATIC EXOCRINE INSUFFICIENCY
MECKLENBERG CONFERENCE ROOM
Moderators: Markus Lerch, MD and Phillip Toskes, MD

Current Understanding of the Physiology of Pancreatic Enzyme Secretion
David Whitcomb, MD, PhD
University of Pittsburgh

Pancreatic Ductal Secretion and CFTR
Peter Durie, MD
University of Toronto

Assessing and Correlating Pancreatic Acinar and Ductal Function in Patients with Steatorrhea
Darwin Conwell, MD
Brigham & Women’s Hospital

Rational Management of Steatorrhea
Christopher Forsmark, MD
University of Florida

12:30 - 2:30 PM
LUNCH & POSTER VIEWING
KRUMLOVSKY ATRIUM

1:15 DISCUSSION OF POSTERS OF DISTINCTION
Discussion Leaders: Howard Reber, MD & Jennifer Tseng, MD
Please meet at registration
2:30 - 4:00 PM  
**SCIENTIFIC SESSION: PANCREATITIS**  
**MECKLENBURG CONFERENCE ROOM**  

Moderators: Peter Hegyi, MD, PhD & Sohail Husain, MD  

Featured Speaker: Aida Habtezion, MD, Stanford University  
“Hemeoxygenase-1 as a Therapeutic Target in Acute Pancreatitis”

2:45 PM  
**A Population-Based Study of the Natural History of Chronic Pancreatitis.** D. Yadav, L. Timmons, S.T. Chari. University of Pittsburgh, Pittsburgh, PA, Mayo Clinic, Rochester, MN.

2:57 PM  

3:09 PM  
**Protective effect of Dexamethasone against acute respiratory distress syndrome in patients with severe acute pancreatitis.** M H Wan, J Li, W F Tang, H L GONG, P Xue, L Zhu, G Y Cheng, Q Xia. Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, Sichuan University, China.

3:21 PM  
**Adeno-Associated Virus-Mediated In Vivo Expression of Dominant Negative ERK Improves Mortality in a Novel Murine Model of Gallstone Pancreatitis.** Z Yuan, D Williard, E Twait, D Kempuraj, I Samuel. Dept of VAMC/UI, Iowa City, IA.

3:33 PM  
**Autophagy is neither a prerequisite for - nor a consequence of - early trypsin activation in experimental pancreatitis.** J. Mayerle, S. Malla, B. Krüger, T. Wartmann, M. Sender, F.U. Weiss, F.S. Gorelick, W. Halangk, M.M. Lerch. Department of Medicine A, University of Greifswald, Division of Medical Biology, University of Rostock, Division of Experimental Surgery, University of Magdeburg, Germany, and Yale University Medical School, New Haven, CT.

3:45 PM  
**Integrated Ras Activity Promotes the Development of Chronic Pancreatitis in Mice.** J. Daniluk, Y Liu, B. Ji, C.D. Logsdon. Department of Cancer Biology, UT M.D. Anderson Cancer Center, Houston, TX
4:00 - 4:15 PM
REFRESHMENTS - KRUMLOVSKY ATRIUM

4:15 - 6:00 PM
NOVEL THERAPEUTICS IN PANCREATIC CANCER - PART 1
CANCER METABOLISM & NATURAL PRODUCTS
Supported by Pancreatic Cancer Action Network
MECKLENBERG CONFERENCE ROOM
Moderators: Steve Pandol, MD & Jeremy Wilson, MD

Keynote: Phytonutrient Mechanisms of Action in Pancreatic Cancer
Vay Liang W. Go, MD, David Geffen School of Medicine at UCLA

Targeting the Pancreatic Cancer Metabolome: To Warburg & Back
Anirban Maitra, MBBS, Johns Hopkins University

Minnelide & Pancreatic Cancer
Ashok K. Saluja, PhD, University of Minnesota

Novel Strategies for Overcoming Drug Resistance by Natural Agents
Fazlul Sarkar, PhD, Karmanos Cancer Center, Wayne State

Natural Products in the Clinic: Are We Making Any Real Progress?
Linus Ho, MD, UT MD Anderson Cancer Center

7:00 - 10:00 PM
COCKTAIL RECEPTION & AWARDS DINNER
GRAND BALLROOM @ WYNDHAM

Presentation of Awards
Hirshberg Award for Best Abstracts in Pancreatic Cancer
National Pancreas Foundation Award for Best Abstracts in Pancreatitis
Presidential Awards
Young Investigator Travel Awards

Presentation of the Vay Liang & Frisca Go Award for Lifetime Achievement
Recipient: Peter A. Banks, MD, Brigham & Women's Hospital
American Pancreatic Association

7:30 AM - 6:00 PM
REGISTRATION - KRUMLOVSKY ATRIUM

7:30 - 8:30 AM
BREAKFAST & POSTER VIEWING
KRUMLOVSKY ATRIUM

8:30 - 10:35 AM
SCIENTIFIC SESSION: PANCREATIC CANCER
MECKLENBURG CONFERENCE ROOM

Moderators: Brian Lewis, PhD & Stephen Koniczeny, PhD

Featured Speaker: Surindar Batra, PhD, University of Nebraska
Activated Kras (G12D) in the Progression and Metastasis of Pancreatic Cancer Cells

8:45 AM  Clinical Implications of Multi-Color Co-Detection of microRNA and Protein Biomarkers in Pancreatic Cancer. L. F. Sempere, M. Preis, M. Korc. Department of Medicine, Dartmouth Hitchcock Medical Center, Lebanon, NH; Department of Pharmacology and Toxicology, Dartmouth Medical School, Hanover, NH.

8:57 AM  Polymorphisms in Metabolic Genes are Associated with Early Onset Pancreatic Cancer. R. Brand, H. Brand, A. Lozano, A. Moore, B. Diergaarde, D. Whitcomb. Departments of Medicine and Human Genetics, University of Pittsburgh, Pittsburgh, PA.


9:45 AM  ATDC and KrasG12D cooperate to promote pancreatic adenocarcinoma in mice. L. Wang, J.E. Wilkinson, H. Yang, J. Wu, M. Pasca Di Magliano, D.M. Simeone. Departments of Surgery, Pathology, and Cell and Developmental Biology and Molecular and Integrative Physiology, University of Michigan, Ann Arbor, MI.

9:57 AM  Inhibition of SIRT1 Expression: A Novel Therapeutic Strategy for Pancreatic Cancer. V. Dudeja, R. Chugh, V. Sangwan, N. Mujumdar, D. Borja-Cacho, R. Dawra, S. Vickers and A. Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN, USA.

10:09 AM  Loss of Hif2α Accelerates the Progression of Kras-Mediated Pancreatic Neoplasia. J. Speicher, A. Criscimanna, D.J. Hartman, C. Galambos, G.K. Gittes, F. Esni. Departments of Surgery, Pathology, Microbiology & Molecular Genetics, University of Pittsburgh, Pittsburgh, PA.


10:35 - 10:50 AM  REFRESHMENTS - KRUMLOVSKY ATRIUM

10:50 AM - 12:35 PM  NOVEL THERAPEUTICS IN PANCREATIC CANCER - PART 2  RAS SIGNALING & PANCREATIC CANCER  Supported by the Lustgarten Foundation  MECKLENBERG CONFERENCE ROOM  Moderators: Anirban Maitra, MBBS & Murray Korc, MD
Keynote: Targeting the Ras Pathway in Pancreatic Cancer
Dafna Bar Sagi, PhD - New York University

The Ras Signaling Pathway in Pancreatic Cancer
Jen Jen Yeh, MD - University of North Carolina

Ras Regulated microRNAs in Pancreatic Cancer
Joshua T. Mendell, MD, PhD - Johns Hopkins University

Ras Targeted Therapies in the Clinic: What Works?
Hedy L. Kindler, MD - University of Chicago Medical Center

12:35 - 1:05 PM
FRANK BROOKS STATE OF THE ART LECTURE
MECKLENBERG CONFERENCE ROOM
Introduction: Rodger Liddle, MD

The Implication of CCK Receptors in Pancreatic Cancer Development: a Myth or a Neglected Possibility?
Jean Morisset, PhD
University of Sherbrooke

1:05 PM - 3:00 PM
LUNCH & POSTER VIEWING
KRUMLOVSKY ATRIUM

1:50 DISCUSSION OF POSTERS OF DISTINCTION
Discussion Leaders: Guy Groblewski, PhD & David Yule, PhD
Please meet at registration
3:00 - 4:50 PM

SCIENTIFIC SESSION: PANCREATITIS

MECKLENBURG CONFERENCE ROOM

Moderators: Vijay Singh, MD & Matthew Dimagno, MD

Featured Speaker: Rodger Liddle, MD, Duke University

“Pancreatitis: More Than Just Enzymes”

3:14 PM

Metabolic Bone Disease in Chronic Pancreatitis: A Systematic Review. V. Kadiyala, S. Yu, M. Muir, P.A. Banks, D.L. Conwell. Center for Pancreatic Disease, Division of Gastroenterology, Endoscopy and Hepatology; Brigham and Women’s Hospital Medical Library, Brigham and Women’s Hospital; Harvard Medical School, Boston MA

3:26 PM

Intrapancreatic Fat Increases Local Necrosis in Obese Patients via Unsaturated Fatty Acids (UFAs). S. Navina, C. J. Baty, L. Orlichenko, J. Karlsson, L. Nichols, V. Singh. Departments of Pathology; Cell Biology & Physiology; Medicine, University of Pittsburgh, Pittsburgh, PA.

3:38 PM


3:50 PM

Ly-6Chi Monocytes Regulate Acute Pancreatitis Severity by Generating TNF-α. G. Perides, J. M. Laukkanen, J.S. Duffield, M. L. Steer. Dept. of Surgery, Tufts Medical Canter and Tufts University School of Medicine, Boston, MA; Dept. of Medicine, Brigham & Women’s Hospital and Harvard Medical School, Boston, MA.

4:02 PM

Deletion of Cationic Trypsinogen or Cathepsin B Gene in Mice doesn’t Influence Caerulein Induced Activation of Nfkb in Pancreas. R. Dawra, L. Rishi Delori, A. Bekolay, R.P. Sah, A.K. Saluja. Department of Surgery, University of Minnesota, Minneapolis MN.
Disordering of Lysosomal and Autophagic Pathways in Nonalcoholic and Alcoholic Experimental Pancreatitis. OA Mareninova, I Yakubov, SJ Pandol, FS Gorelick, AS Gukovskaya, I Gukovsky. VAGLAHS, University of California Los Angeles & Southern California Research Center for ALPD and Cirrhosis; VAMC & Yale University, West Haven, CT.

Admission Systemic Inflammatory Response Syndrome (SIRS) score predicts the development of Primary Intra-abdominal Infection in patients with Acute Pancreatitis. R. Talukdar, S. S. Vege, M. Clemens. Miles and Shirley Fiterman Center for Digestive Diseases, Mayo Clinic College of Medicine, Rochester, MN.


4:50 - 5:05 PM
REFRESHMENTS - KRUMLOVSKY ATRIUM

5:05 - 6:05 PM
PANCREAS CLUB SYMPOSIUM
IPMN
MECKLENBERG CONFERENCE ROOM
Moderators: William Nealon, MD & Kyoichi Takaori, MD, PhD

Natural History of IPMN
L. William Traverso, MD - St. Luke’s Center for Pancreatic Disease, Boise

International Guidelines for Resection: History & Logic
Masao Tanaka, MD, PhD - Kyushu University

How much to Resect? How to Follow?
Michael Farnell, MD - Mayo Clinic
6:05 - 6:30 PM
APA BUSINESS MEETING
MECKLENBERG CONFERENCE ROOM

President’s Address
Suresh Chari, MD

Report from the Secretary-Treasurer
Ashok K. Saluja, PhD

Report on Pancreapedia
John Williams, MD, PhD

6:30 - 7:30 PM
WINE & CHEESE RECEPTION - KRUMLOVSKY ATRIUM
8:30 - 10:45 AM
SCIENTIFIC SESSION: BASIC SCIENCE
MECKLENBURG CONFERENCE ROOM
Moderators: Minoti Apte, MD, PhD & Fred Gorelick, MD
Featured Speaker: John Williams, MD, PhD, University of Michigan
“Deconstructing the Pancreas as a Collection of Cellular Machines”

8:45 AM  
The Chemical Chaperon 4-Phenylbutyric Acid Increases Amylase Secretion, Reduces Trypsin Activation and Endoplasmic Reticulum Stress in Pancreatic Acini. A. Malo, C. Schafer, B. Goke, CH. Kubisch. Department of Medicine II, University of Munich, Germany; Department of Gastroenterology, Clinic Neumarkt, Germany.

8:57 AM  
Tobacco Carcinogen NNK (4-[Methylnitrosamino]-1-[3-Pyridyl]-1-Butanone) Induces Zymogen Activation In In-Vitro And In-Vivo Models Of Acute Pancreatitis. S. Minervini, A. Raoof, C. Shugrue, F. Gorelick, T. Kolodecik, E. Thrower. Section of Digestive Diseases, VA Connecticut Healthcare, West Haven, & Yale University School of Medicine, New Haven, Connecticut

9:09 AM  
Stellate Cell-Derived Dickkopf-3 (DKK3) Induces PDAC Tumor Progression and Chemoresistance. H. Husted, T. Moore, D. Deng, V. Ramachandran, T. Arumugam, C. D. Logsdon, R. F. Hwang. Depts. of Surgical Oncology and Cancer Biology, The University of Texas-M.D. Anderson Cancer Center, Houston TX.

9:21 AM  
Transformation of Pancreatic Epithelial Cells by BrafV600E. V. A. Appleman, D. S. Klimstra, B. C. Lewis. Program in Gene Function and Expression, University of Massachusetts Medical School, Worcester, MA; Department of Pathology, Memorial Sloan-Kettering Cancer Center, New York, NY.

9:33 AM  
Protons, Co-Released during Secretion, are a Negative Feedback Extracellular Messenger and Contribute to the Early Tissue Damage in Secretagogue-Induced Pancreatitis. N. Behrendorff, P. Thorn. School of Biomedical Sciences, University of Queensland, Queensland, Australia.
9:45 AM  **C-Src Resides on the Golgi in Acinar Cells and is Involved in Caerulein Mediated Trypsinogen Activation.** L. S. Orlichenko, C. J. Baty, J. Karlsson, V. P. Singh. Departments of Medicine; Cell Biology & Physiology, University of Pittsburgh, Pittsburgh, PA.

9:57 AM  **Importance of Apical BK Channels on Pancreatic Duct Bicarbonate Secretion.** V. Venglovecz, P. Hegyi, Z. Rakonczay, L. Tiszlavicz, M. Grunet, A. Nardi, M.A. Gray. Department of Pharmacology and Pharmacotherapy; First Department of Medicine; Department of Pathology, University of Szeged; NeuroSearch A/S, Ballerup, Denmark and National Research Foundation Centre for Cardiac Arrhythmia, University of Copenhagen, Copenhagen, Denmark; Institute for Cell and Molecular Biosciences, Newcastle upon Tyne, UK.

10:09 AM  **Intracellular Calcium Signaling in Pancreatic Stellate Cells: Role in Pancreatic Disease.** JH Won, J Zhang, B Ji, CD Logsdon, DI Yule. Department of Pharmacology and Physiology, University of Rochester Medical School, Rochester, NY; Department of Cancer Biology, M.D Anderson Cancer, University of Texas, Houston, TX.

10:21 AM  **Comparative Proteomic Analysis (GeLC-MS/MS) Identifies Differentially-Expressed Proteins in Secretin Stimulated Endoscopic (ePFT) Collected Pancreatic Fluid.** J. Paulo, P. A. Banks, D.L. Conwell, H. Steen. Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women’s Hospital, Boston, MA; Proteomics Core Lab, Children’s Hospital Boston, Boston, MA; Harvard Medical School, Boston, MA.


10:45 - 11:00 AM  **REFRESHMENTS - KRUMLOVSKY ATRIUM**
11:00 AM - 12:15 PM
PARALLEL SESSIONS

SESSION 1: EPIGENETICS & PANCREATIC DISEASE: FROM MOLECULES TO MICE
PRITZKER AUDITORIUM
Moderator: Martin Fernandez-Zapico, MD & Anna Means, PhD

Role of Chromatin in Pancreatic Diseases
Raul Urrutia, MD, Mayo Clinic

MicroRNAs as Mediators of Pancreatic Malignant Phenotype
Frank U. Weiss, MD, Greifswald University

Studying Epigenetics in Mice: the NFAT Model
Volker Ellenrieder, MD, Philipps-Universitat Marburg

SESSION 2: DISTINGUISHING AUTOIMMUNE PANCREATITIS FROM PANCREATIC CANCER
MECKLENBERG CONFERENCE ROOM
Moderators: Tooru Shimosegawa, MD, PhD & Rahul Pannala, MD

Panelists:
Clinical and Pancreatogram Clues
Terumi Kamisawa, MD - Tokyo Metropolitan Komagome Hospital

Clues on Cross-Sectional imaging
Naoki Takahashi, MD - Mayo Clinic

Role of Pancreatic Biopsy
Daniel Longnecker, MD - Dartmouth University

Surgeon’s Perspective
Douglas B. Evans, MD - Medical College of Wisconsin

Putting it All Together
Suresh Chari, MD - Mayo Clinic

Case Presentations
Santhi Swaroop Vege, MD
12:15 - 2:00 PM
LUNCH & POSTER VIEWING
KRUMLOVSKY ATRIUM

12:55 DISCUSSION OF POSTERS OF DISTINCTION
Leaders: Joe Hines, MD & Jens Werner, MD
Please meet at registration

2:00 - 3:00 PM
BEYOND THE HORIZON: NANOMEDICINE APPROACHES TO DIAGNOSIS & TREATMENT OF PANCREATIC CANCER
MECKLENBERG CONFERENCE ROOM
Moderator: Debbbrata Mukhopadhyay, PhD & Julia Mayerle, MD, PhD

Targeting Pancreatic Cancer and its Microenvironment for Therapeutics: Application of Nanotechnology
Debbbrata Mukhopadhyay, PhD, Mayo Clinic

New Class of Diagnostic and Therapeutic Cancer Tools Using Nanotechnology
Sara Hook, PhD, NCl Alliance for Nanotechnology in Cancer

New Nanomedicine Based Molecular Imaging and Therapy Approaches For Pancreatic Cancer
Kattesh V. Katti, PhD, University of Missouri

End of Program
Thursday, November 4
7:00 AM - 6:00 PM   POSTER SESSION 1
KRUMLOVSKY ATRIUM

Posters P1:1-7  Posters of Distinction

P1-1
Acute Pancreatitis Accelerates the Initiation and Progression to Pancreatic Ductal Adenocarcinoma in Mice Expressing Oncogenic Kras in the Nestin Cell Lineage. C. Carrière, A.L. Young, D.S. Longnecker, M. Korc. Departments of Medicine, and Pharmacology and Toxicology, Dartmouth Medical School, Hanover, NH and the Norris Cotton Comprehensive Cancer Center at Dartmouth Hitchcock Medical Center, Lebanon, NH; Department of Pathology, Dartmouth Medical School, Hanover, NH.

P1-2
MicroRNA Expression as a Predictive Marker for Gemcitabine Response After Surgical Resection of Pancreatic Cancer. K Ohuchida, K Mizumoto, T Kayashima, H Fujita, T Moriyama, T Ohtsuka, S Takahata, Masao Tanaka. Department of Surgery and Oncology; Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-3
New-onset Diabetes in Pancreatic Cancer: A Study in the Primary Care Setting. G. Aggarwal, G.M. Petersen, S.T. Chari. Division of Gastroenterology, Department of Epidemiology, Mayo Clinic, Rochester, MN.

P1-4
INGAP Induces In Vitro Endocrine Differentiation of Human Pancreatic Duct Epithelial Cells Grown in 3D-Cultures. B. Assouline-Thomas, D. Ellis, J. Makhlin, M. Petropavlovskaja, L. Rosenberg. Department of Surgery, McGill University, Montréal, QC, Canada.
P1-5
Modulating the Immune Response in Kras-Induced Pancreatic Neoplasia. Y. Pylayeva-Gupta, Kyoung Lee, J. Mallen-St. Clair, M. Connolly, G. Miller, D. Bar-Sagi. Department of Biochemistry, New York University School of Medicine, New York, NY; Departments of Surgery and Cell Biology, New York University School of Medicine, New York, NY.

P1-6
Establishing the Final Stages of Acinar Cell Differentiation Utilizing Inducible Mist1 Expression. D. DiRenzo, S.F. Konieczny. Department of Biological Sciences and the Purdue Center for Cancer Research, Purdue University, West Lafayette, IN

P1-7

P1-8
The Role of EUS Guided Elastography to Diagnose Solid Pancreatic Mass Lesions. J. Mayerle, P. Simon, E.J. Dickson, M.M. Lerch, C. R. Carter, C.J. McKay. Lister Departmen of Surgery, Glasgow Royal Infirmary, Glasgow, Scotland, UK; Department of Medicine A, Ernst-Moritz-Arndt-University, Greifswald, Germany.

P1-9
Selective, High-Affinity Inhibitors of Human Chymotrypsin C (CTRC). A. Szabó, K. Zboray, D. Héja, D. Szakács, G. Pál, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University, Boston, MA; Department of Biochemistry, Eotvos University, Budapest, Hungary.

P1-10
Asparagine-linked glycosylation of human chymotrypsinogen C (CTRC). M. Bence, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University, Boston, MA.

P1-11

P1-12
Inositol 1,4,5-Trisphosphate Receptor Type 2 Deficiency Leads to Accumulation of Zymogen Granules in Pancreatic Acinar Cells. A. I. Orabi, Z. M. Mannan, A. U. Shah, S. Z. Husain. Department of Pediatrics, Yale University School of Medicine, New Haven, CT.

P1-13
The Transcription Factor PAX6 Activates Expression Of The Chemokine Receptor CXCR4 In Pancreatic Cancer. J. B. Mascarenhas, J. D. Kubic, A. E. Ludvik, D. Lang. Department of Medicine, University of Chicago, Chicago, IL.
P1-14

P1-15
Multiple Organ Failure Following Acute Necrotizing Pancreatitis with Hemorrhage, and Ruptured Pseudocyst. D. Thirabanjasak. Department of Pathology, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand.

P1-16
Pancreatic Fluid Oxidized Fatty Acids (OxFAs) are Elevated in Non-Calcific Chronic Pancreatitis (CP). T. Stevens, M.P. Berk, Y.M. Chung, R. Zhang, A. Costanzo, M.P. Bronner, A.E. Feldstein. Cleveland Clinic, Cleveland, OH.

P1-17
Targeting Pancreatic Stellate Cells (PSC) to Treat Pancreatic Cancer. V. Gonzalez-Villasana, G.N. Armaiz-Pena, R. Hwang, C. Rodriguez-Aguayo, A.K. Sood, C. Logsdon, G. Lopez-Berestein. Departments of Experimental Therapeutic; Cancer Biology, Gynecologic Oncology and the Center for RNAi and Non-coding RNA, and Surgery University of Texas, M.D. Anderson Cancer Center, Houston, TX; Universidad Autonoma de Nuevo Leon, San Nicolas de los Garza, Nuevo Leon, Mexico

P1-18
The Role of Cyclooxygenase-2 Gene Polymorphisms in Pancreatic Carcinogenesis. R. Talar-Wojnarowska, A. Gasiorowska, M. Olakowski, A. Lekstan, P. Lampe, B. Smolarz, H. Romanowicz-Makowska, A. Kulig, E. Malecka-Panas. Dep of Digestive Tract Diseases, Medical University of Lodz; Dep of Digestive Tract Surgery, Silesian Medical University, Katowice; Lab of Molecular Genetics, Institute of Polish Mother’s Memorial Hospital, Lodz, Poland

P1-19
Pancreatic Cancer Cell Invasion is Increased by Hypoxia Induced MMP9 mRNA-Expression. P. Puolakkainen, H. Mustonen, S. Vainionpää, E. Kemppainen, H. Repo, H. Pelli. Department of Surgery, Helsinki University Central Hospital; Department of Bacteriology and Immunology, Haartman Institute, University of Helsinki; Department of Surgery, Turku University Central Hospital, Finland.

P1-20

P1-21
IkBα Inhibition Subdues LPS-Stimulated TNF-α Production in Isolated Acinar Cells. D. Williard, E. Twait, I. Samuel. VAMC & UI CCOM, Iowa City, IA.

P1-22
Evidence for Anti-Tumor Activity and Improved Bioavailability of a Novel Curcumin Analog- CDF Against Pancreatic Tumors in Vivo. S. Banerjee, S. Ali, Z. Wang, A. Azmi, A. Ahmad, S. Padhye and F. H. Sarkar. Department of Pathology, Karmanos Cancer Institute, Detroit, MI.
P1-23
Systems Biology: Implications in Assessing Drug Target Gene Signatures in Pancreatic Cancer. A.S. Azmi, R.M. Mohammad, Z. Wang, F.H. Sarkar. Department of Pathology; Department of Internal Medicine, Wayne State University, Detroit MI.

P1-24

P1-25
Molecular Mechanisms of L-Arginine Induced Experimental Acute Pancreatitis. O Masood, AK Siriwardena & J Bruce. Hepatobiliary Unit, Manchester Royal Infirmary; Faculty of Life Sciences, University Of Manchester.

P1-26

P1-27
Self-Expandable Metalstent For Walled-Off Necrosis. Á. Pap, M. Burai, T. Tarpay. Department of Gastroenterology, National Institute of Oncology, Budapest, Hungary

P1-28
Frequency and Significance of Calcification in IPMN. R Perez-Johnston, O Narin, M Mino-Kenudson, T Ingkakul, AL Warshaw, C Fernandez-del Castillo, VD Sahani. Depts. of Radiology, Pathology and Surgery, Massachusetts General Hospital, Boston, MA.

P1-29

P1-30
Calcium Phosphate Nanoparticles for Selective Targeting of Human Pancreatic Cancers. G. Matters, C. McGovern, B. Barth, E. Altinoğlu, J. Adair, M. Kester, J. Smith. Depts. of Medicine and Pharmacology, Pennsylvania State University, Hershey, PA; Dept. of Materials Science Engineering, Pennsylvania State University, University Park, PA

P1-31
Continuous Subcutaneous Insulin Infusion (CSII) Therapy for Management of Apanaceatic Diabetes Mellitus. K. Altaf, J. Adu, G. Morrison, Q. M. Nunes, C. Halloran, J.P. Neoptolemos, C.P. Weston, R. Sutton. Liverpool NIHR Pancreas Biomedical Research Unit, Division of Surgery and Oncology; Department of Endocrinology, Royal Liverpool University Hospital, Liverpool, UK.
P1-32
Reverse Engineering of Gene Regulatory Networks Governing Cell-Cell Communication in the Pancreatic Cancer. Z. Rogon, A. Bauer, H. Busch, T. Giese, E. Soyka, A. Szabowski, J. Hoheisel, M.W. Büchler, J. Werner, R. Eils, N.A. Giese. Theoretical Bioinformatics and Functional Genomics, German Cancer Research Center/DKFZ, Heidelberg; FRIAS, Albert-Ludwigs-University, Freiburg; Institute of Immunology and Department of Surgery, University Hospital Heidelberg, Germany

P1-33
Selective Non-Resectional Management of Pancreatic Cystic Tumors: A Cohort Study Based On A Cystic Tumor Registry. S Sanyal, AJ Sheen, AK Siriwardena. Regional Hepatobiliary Surgery Unit, Manchester Royal Infirmary, Manchester UK.

P1-34
Novel Model of Acute Pancreatitis Severity and Outcome Prediction. S.I. Galeev, Y.P. Abdullaev, M.A. Rubtsov. Department of Surgery, Saint-Petersburg State Medical Academy n.a. Mechnicov, Russi; Department of Surgery, Clinical Hospital of St. Luke, Saint-Petersburg, Russia

P1-35
Expression of Multiple Adenylate Cyclase Isoforms in Mouse Pancreatic Acini, Islets and Ducts. ME Sabbatini, JA Williams. Department of Molecular and Integrative Physiology, University of Michigan

P1-36
Three-Dimensional Collagen I Promotes Gemcitabine Resistance in Pancreatic Cancer through Increased Membrane Type 1-Matrix Metalloproteinase-Mediated HMGA2 ESSxpression. S. Dangi-Garimella, S.B. Krantz, M.R. Barron, M.A. Shields, P.J. Grippo, D.J. Bentrem, H.G. Munshi. Division of Hematology/Oncology, Department of Medicine, Division of Surgical Oncology, Department of Surgery, Feinberg School of Medicine; The Jesse Brown V.A. Medical Center; The Robert H. Lurie Comprehensive Cancer Center of Northwestern University, Chicago.

P1-37
Characterization of Unique Polycomb Repressive Complexes in Pancreatic Cancers. A Grzenda, D Moise, R Urrutia. Laboratory of Chromatin Dynamics and Epigenetics, Mayo Clinic, Rochester, MN.

P1-38
The Proteome of Mesenteric Lymph in Health, Acute Pancreatitis and Shock: Implications for Clinical Trials. A Mittal, M Middleditch, K Ruggiero, B Loveday, JA Windsor, AJP Phillips. Department of Surgery and School of Biological Sciences, University of Auckland, Auckland, New Zealand.

P1-39
Does the 3-aminobenzamide effect on bacterial translocation affect experimental acute necrotizing pancreatitis? S. Aydin, A. T. Isik, E. Cinar, O. Demir, C. Akay, M. Ozyurt, S. Deveci, M. R. Mas. Department of Surgery, Guven Hospital, A. Ayranci, Ankara, Turkey, Department of Internal Medicine and Department of Infection Disease, Gulhane school of Medicine, Ankara, Turkey; Department of Pharmacology, Department of Microbiology, Department of Pathology, Gulhane School of Medicine, Ankara, Turkey.
P1-40

P1-41
Development and Validation of a miRNA-Based Laboratory Developed Test for Pancreatic Cancer. L.S. Lee, A.M. Bellizzi, D.L. Conwell, M. Sanders, D.C. Whitcomb, G. Rateb, C. Menard, J.A. Morisset, V. Shivakumar, S. Hahn, G.J. Tsongalis, M. Lloyd, B. Andrucci, A. Adai, A.E. (Szafranska) Schwarz-bach. Division of Gastroenterology, Brigham & Women’s Hospital, Boston, MA; Division of Gastroenterology, University of Pittsburgh Medical Center, Pittsburgh, PA; Department of Gastroenterology, University of Sherbrooke, Fleurimont, Canada; H Lee Moffitt Cancer Center & Research Institute, Tampa, FL; Department of Pathology & Internal Medicine, Rühr University, Bochum, Germany; Department of Pathology, Dartmouth Hitchcock Medical Center, Lebanon, NH; Asuragen, Austin, TX.

P1-42
Novel Function of FUT-175 as Apoptosis Inducer. J. Ling, Z. Li, T. Uwagawa, P.J. Chiao. Department of Surgical Oncology, Department of Molecular and Cellular Oncology, The University of Texas M. D. Anderson Cancer Center, Houston, Texas, USA, and Graduate Program in Cancer Biology, The University of Texas Graduate School of Biomedical Sciences at Houston, Houston, Texas.

P1-43
Role of Cathepsin B in the Pathogenesis of Chronic Pancreatitis. RP Sah, R Dawra, A Bekolay, A Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota Medical School, Minneapolis, MN.

P1-44
PRSS1, SPINK1 and CFTR mutations in families and unrelated subjects with idiopathic early onset chronic (CP) or recurrent acute pancreatitis (RAP) in Mexico City. M Pelaez-Luna, G Robles-Diaz, S Canizales, MT Tusie-Luna. Experimental Medicine Unit. School of Medicine-Universidad Nacional Autonoma de Mexico (UNAM), Mexico City, Gastroenterology Department, INCMSZ, Mexico City. Biomedic Research Institute. UNAM. Mexico City, Mexico.

P1-45

P1-46
P1-47
Targeting the Synergistic Crosstalk between Insulin and G protein-coupled Receptor Signaling by Metformin Potently Inhibits Pancreatic Cancer Cell Proliferation in vitro and in vivo. K. Kisfalvi, J. Sinnett-Smith, G. Eibl, E. Rozengurt. Department of Medicine, Department of Surgery, David Geffen School of Medicine, University of California, Los Angeles.

P1-48
Protective Effects of Caffeine in an Experimental Biliary Pancreatitis Model. R. Mukherjee, W. Huang, M. Cane, V. Elliott, A. Tepkin, D.N. Criddle, R. Sutton. Division of Surgery & Oncology and NIHR Pancreatic Biomedical Research Unit, Royal Liverpool University Hospital, UK; Department of Physiology, University of Liverpool, UK.

P1-49
Binucleation and Polyploidization in Human Exocrine Pancreas. J.M. Xanthopoulos, D. Jain, F.S. Gorelic, E. S. Swenson. Section of Digestive Diseases, Department of Internal Medicine; Department of Pathology, Yale University School of Medicine, New Haven, CT; West Haven Veteran’s Affairs Medical Center, West Haven, CT.

P1-50

P1-51

P1-52
Pancreatic Cancer Cells Respond to Triptolide via Early Activation of Cell Signaling Pathways. V. Sangwan, R. Chugh, N. Mujumdar, S. Banerjee, T.N. Mackenzie, V. Dudeja, S. Vickers, A. Saluja. Department of Surgery; Masonic Cancer Center, University of Minnesota, Minneapolis, MN.

P1-53
All patients with Acute Pancreatitis and Persistent Organ Failure do not require Organ Failure Specific Interventions. R. Talukdar, S.S. Vege, M. Clemens Miles and Shirley Fiterman Center for Digestive Diseases, Mayo Clinic College of Medicine, Rochester, MN.

P1-54
Structure-Activity Relationships of Xanthines in Ca2+ Signalling, Phosphodiesterase Inhibition and Acute Cerulein-Induced Pancreatitis. M. Cane, W. Huang, R. Mukherjee, A.V. Tepinkel, R. Sutton, D.N. Criddle. Department of Physiology, University of Liverpool, UK; NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK.

P1-55
Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Kyushu University Hospital Cancer Center, Fukuoka, Japan; Department of Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-56


P1-57

Analysis of Risk Factors and Management of Biliary Strictures Following Pancreaticoduodenectomy. M Dal Molin, G Butturini, S Partelli, D Daskalaki, GC Mansueto, P Pederzoli, C Bassi. Surgical and Anaesthesiological Department, Policlinico G.B. Rossi, University of Verona; Department of Radiology, Policlinico G.B. Rossi, University of Verona.

P1-58


P1-59

Are Chronic Pancreatitis And Acute Recurrent Pancreatitis Two Different Faces Of The Same Coin Or Two Different Diseases? RA Zuppardo, L Frulioni, S Bertolini, C Calzolari, SK Singh, A Bertelè, V Corrente, G Leandro, F Di Mario, A Franzè, GM Cavestro. University of Parma, Italy, Dept of Clinical Science, University of Verona, Italy, Dept of Surgical and GI Sciences, Boston University School of Medicine, Medical Center, Section of Gastroenterology, Parma Medical Center, GI Unit, Italy.

P1-60

Eps8 is Subjected to Chaperone-Mediated Autophagy at Lysosomes in Pancreatic Cancer Cells. T. Welsch, A. Younsi, A. Disanza, A. M. Cuervo, G. Scita, J. Schmidt. Department of Surgery, University of Heidelberg, Germany; FIRC Institute of Molecular Oncology, Milan, Italy; Department of Developmental and Molecular Biology, Albert Einstein College of Medicine, New York.

P1-61

The Mek/Erk Pathway Promotes Notch-Dependent Signaling in Human Pancreatic Cancer Cells. I. Tremblay and Marie-Josée Boucher. Gastroenterology Unit, Dept. of Medicine, Fac. Of Medicine and Health Sciences, University of Sherbrooke, Canada.

P1-62

A Single Nucleotide Polymorphism in Tumor Suppressor Gene SEL1L as Predictive and Prognostic Marker for Pancreatic Ductal Adenocarcinoma. Q. Liu,* J. Chen,* B. Mai, C. Amos, A.M. Killary, S. Sen, M.L. Frazier. Department of Epidemiology, Program in Molecular Genetic Technology, The University of Texas MD Anderson Cancer Center, School of Health Professions, Houston, Texas; Department of Genetics, Department of Molecular Pathology, The University of Texas MD Anderson Cancer Center, Houston, Texas; *These authors contributed equally to this work.
P1-63

P1-64
Evaluation of M-ANNHEIM Classification in an Italian Series of Patients Suffering from Chronic Pancreatitis. L. Frulloni, A. Amodio, A. Katsotourchi, T. Viaro, R. Niensted, T. Tumelero, M. Pellicciari, L. Benini, I. Vantini. Department of Medicine, University of Verona, Italy

P1-65

P1-66
Effects of Chai-Qin-Cheng-Qi Decoction on Serum Cholecystokinin Concentration and Acinar Cell Cytosolic Calcium Overload in Acute Pancreatitis. P. Xue, T. Jing, L. Wen, L. Huang, Z. Y. Cheng, W. Huang, X. N. Yang, Q. Xia. Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, Sichuan University, China; Departments of Surgery and Physiology, Royal Liverpool Hospital, University of Liverpool, UK

P1-67
Plasma Metabonomic Change of Acute Pancreatitis in Rats. W. F. Tang, J Li, H. L. Gong, M. H. Wan, Y. X. Liu, Q. Xia. Department of integrative medicine, West China Hospital, Sichuan University. Chengdu, 610041 PR China

P1-68
EUS-Guided Fine Needle Injection of a Chemotherapeutic Agent into the Pancreas. S. Cizginer, AR. Kambadakone, M. Mino-Kenudson, CE. Macfarlane, WR. Brugge. GI Unit, Department of Radiology, Department of Pathology, MGH, Boston, M, A USA, Biocompatibles UK Ltd, Farnham, Surrey, UK.

P1-69

P1-70
High Number of Acinar Cells in the Cut Edge of Pancreas Increases the Risk for Immediate Postoperative Complications After Pancreaticoduodenectomy. M. Laaninen, M. Bläuer, K. Vasama, S. Räty, J. Sand, I. Nordback, J. S. Laukkanen. Dept. of Gastroenterology and Alimentary Tract Surgery, and Tampere Pancreas Laboratory, Dept. of Pathology, Tampere University Hospital, Tampere, Finland.
**P2-1**

Patients with Acute Pancreatitis (AP) Complicated by Organ Dysfunction Show Abnormal Lymphocyte Signaling. J.Oiva, H. Mustonen, M.-L. Kylänpää, L. Kyhälä, S. Siitonen, E. Kemppainen, H. Repo, P. Puolakkainen. Department of Surgery, Helsinki University Central Hospital, Department of Bacteriology and Immunology, Haartman Institute, University of Helsinki; Helsinki, Finland.

**P2-2**

Experimental Acute Pancreatitis in Reg3α (PAP2) Knockout Mice and Reg1 Knockout Mice. C. Huan, M. Mueller, A. Stanek, C.M. DeMarinis, M.E. Zenilman. Department of Surgery, State University of New York, Downstate Medical Center, Brooklyn, NY.

**P2-3**

Alcohol and Acute Pancreatitis – The Effect of the Type of Beverage. O Sadr Azodi, N Orsini, Å Andrén-Sandberg, A Wolk. Division of Surgery, CLINTEC, Karolinska Institute, Karolinska Universitetssjukhuset Huddinge, Stockholm; Division of Nutritional Epidemiology, The National Institute of Environmental Medicine, Karolinska Institute, Stockholm, Sweden.

**P2-4**

Alcohol Promotes Pancreatic Mitochondria Depolarization by Sensitizing the Permeability Transition Pore to Ca2+. N Shalbueva, OA Mareninova, SJ Pandol, AS Gukovskaya. VAGLAHS, University of California Los Angeles & Southern California Research Center for ALPD and Cirrhosis, Los Angeles, CA.

**P2-5**

BMP Regulates Autophagy in Acute Pancreatitis (AP). M Tyler, Y Cao, W Yang, J Aronson, V Popov, C Chao, MR Hellmich, TC Ko. Department of Surgery, UTHSC-Houston; UTMB, Galveston, TX.

**P2-6**

Do Clinical Outcomes post-ERCP Predict Clinical Outcomes post-Puestow Procedure for Patients with Chronic Pancreatitis? B. Young, D. Simeone, R. Kwon. Division of Gastroenterology, University of Michigan, Ann Arbor, MI; Department of Surgery, University of Michigan, Ann Arbor, MI; Division of Gastroenterology, University of Michigan, Ann Arbor, MI.

**P2-7**

The greater severity of pancreatitis in CFTR deficient mice is independent of acinar cell effects. S. Trapp, P. Pallagi, J. Mayerle, G. Biczo, A. Dummer, Z. Rakonczay, M. Sendler, F.-U. Weiss, W. Halangk, P. Hegyi, M. M. Leich. Department of Medicine A, Ernst-Moritz-Arndt-University Greifswald, Germany; Division of Experimental Surgery, Otto-von-Guericke-University Magdeburg, Germany, University of Szeged, First Department of Medicine, Pancreatic Research Group.
P2-8
Mitochondrial Injury Precedes NF-κB and Premature Trypsinogen Activation in L-lysine-induced Acute Pancreatitis in Rats. Z. Rakonczay Jr., G. Biczó, S. Dósa, N. Shalbuyeva, Z. Hracskó, Z. Kukor, V. Venglovecz, I.S. Varga, B. Iványi, T. Wittmann, A. Gukovskaya, T. Takács, P. Hegyi. First Dept. of Medicine, Dept. of Pathology, Dept. of Biochemistry and Molecular Biology, Dept. of Pharmacology and Pharmacotherapy, University of Szeged, Szeged, Hungary; Veterans Affairs Greater Los Angeles Healthcare System, University of California, Los Angeles, CA, USA; Dept. of Medical Chemistry, Molecular Biology and Pathobiocchemistry, Semmelweis University, Budapest, Hungary.

P2-9

P2-10
The Role of Innate Immunity in the Pathogenesis of Experimental Autoimmune Pancreatitis in Mice. A. Nishio, M. Yamashina, S. Nakayama, K. Uchida, T. Fukui, K. Okazaki. Third Department of Internal Medicine, Kansai Medical University, Moriguchi, Japan.

P2-11
Simultaneous Isolation of DNA, RNA and Proteins for Genetic, Epigenetic and Transcriptomic Analysis of Pancreatic Cancer. A Johns, C Toon, M Jones, A Mawson, M Brancato, A Gill, S Grimmond, A Biankin. Cancer Research Program, Garvan Institute of Medical Research, Sydney Australia; Department Anatomical Pathology, South Eastern Area Laboratory Services, Prince of Wales Hospital, Sydney Australia; Department of Anatomical Pathology, Royal North Shore Hospital, Sydney Australia; Queensland Centre for Medical Genomics, University of QLD, Brisbane Australia; Department of Upper GI Surgery, Bankstown Hospital, Sydney Australia. For the Australian Pancreatic Cancer Genome Initiative.

P2-12
Low pH Uncouples Gap Junctions in the Pancreatic Acinar Cell. A. Reed, S. Husain, M. Nathanson, F. Gorelick. Departments of Medicine, Pediatrics, Yale University, New Haven, CT.

P2-13

P2-14
P2-15
Haplotypes in Melanoma Inhibitory Activity 2 Correlate with Survival and Chemoresistance in Pancreatic Cancer. B. Kong, C. W. Michalski, N. Valkovska, S. Rieder, X. Hong, S. Streit, H. Friess, J. Kleeff. Department of Surgery, Technische Universität München, Munich, Germany

P2-16

P2-17
A Novel Role for EP4 receptor in Regulating Pancreatic Stellate Cells Function. C Charo, V Ramachandran, V Holla, P Yang, RN Dubois, RF Hwang, CD Logsdon. Depts. of Cancer Biology, and Surgical Oncology, UT MD Anderson Cancer Center, Houston, TX.

P2-18
The vacuolar-ATPase confers invasive properties to human pancreatic cancer by modulating MMPs. C. Chung, C. Mader, P. Protiva, J. Schmitz, A. Koleske, S. Crawford, F. Gorelick. Section of Digestive Diseases, Departments of Medicine and Surgery, VA CT Healthcare System, Yale University School of Medicine; Department of Pathology, Northshore Research Institute, University of Chicago Medical School

P2-19
Effect of Underlying Disease Type on Efficacy of CREON® in a Randomized Trial of Patients With Exocrine Pancreatic Insufficiency Due to Chronic Pancreatitis or Pancreatic Surgery. D. C. Whitcomb, E. Malecka-Panas, N. Guberngrits, S. Caras, Y. Shen, S. Sander-Struckmeier. University of Pittsburgh, Pittsburgh, PA; Medical University of Lodz, Lodz, Poland; Donetsk National Medical University, Donetsk, Ukraine; Abbott, Marietta, GA; Abbott, Hannover, Germany

P2-20
Apoptosis, Pancreatitis and Death of Pancreatic Cells due to Exenatide. D Bulchandani, J Nachnani, B. Herndon, A. Molteni, L. Alba. Department of Endocrinology, University of Kansas School of Medicine, Kansas City, KS; Division of Gastroenterology and Hepatology, & Research Lab M3-202, University of Missouri/Kansas City-School of Medicine, Kansas City, MO.

P2-21
Glia Maturation Factor is Expressed in the Mouse Pancreas and Lung. D. Kempuraj, Z. Yuan, I. Samuel. Surgery, VAMC and the University of Iowa Carver College of Medicine, Iowa City, IA.

P2-22
P2-23
Isoflavone Enhanced the Efficacy of Gemcitabine in vivo in Pancreatic Cancer. Z Wang, A. Aboukameel, S Banerjee, AS Asfar, R Mohammad, FH Sarkar. Department of Pathology; Department of Internal Medicine, Karmanos Cancer Institute, Wayne State University, School of Medicine, Detroit, MI.

P2-24
Anti-inflammatory Activity of Apelin in Acute Pancreatitis. S. Han, E.W. Englander, C. Rastellini, T.C. Ko, M.R. Hellmich, C. Chao, J.F. Aronson, T. Quertermous, R. Kundu, G.H. Greeley, Jr. Dept. of Surgery, Pathology, Univ. of Texas Medical Branch, Galveston, TX; Dept. of Surgery, The Univ. of Texas Medical School at Houston, Houston, TX; Dept. of Medicine-Cardiovascular Medicine, Stanford Univ. School of Medicine, Stanford, CA.

P2-25
D52 Regulates Vamp8-Positive Zymogen Granule Formation to Enhance Acinar Secretion. S.W. Messenger, D.D.H. Thomas, G.E. Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI.

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P2-29
Nutritional Assessment of Autoimmune Pancreatitis as Studied By Multi-frequency Bio-Electric Impedance Analysis. J. Sakagami, H. Yasuda, Y. Sogame, N. Suzuki, H Hasegawa, K. Kataoka, T. Yoshikawa. Division of Gastroenterology and Hepatology, Kyoto Prefectural University of Medicine, Kyoto, Japan.

P2-30

P2-31
Late Onset Pancreatic Necrosis in Acute Pancreatitis. K. Altaf, T. Odetoyinbo, N. Kibriya, R. Thomson, L. Moulton, C. Garvey, J. Evans, J. P. Neoptolemos, R. Sutton. Liverpool NIHR Pancreas Biomedical Research Unit; Department of Surgery and Oncology; Department of Radiology, Royal Liverpool University Hospital, Liverpool, UK.
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P2-34
S100A10 Increases Pancreatic Cancer Cell Resistance to Gemcitabine Treatment by the Inhibition of VMP1-Mediated Autophagy. R. Pardo, D. Grasso, M. I. Molejon, J. L. Iovanna, M. I. Vaccaro. Pathophysiology, School of Pharmacy and Biochemistry, University of Buenos Aires, Argentina.

P2-35
Secretin Is Not Required For Pancreatic Growth Induced By Feeding Protease Inhibitor. ME Sabbatini, M. Dolors Sans, I. Nishijima, JA Williams. Department of Molecular and Integrative Physiology, University of Michigan, Nationwide Children’s Hospital, Columbus Ohio

P2-36
Collagen Promotes Snail-driven Invasion Through Increased TGF-β Signaling in Human Pancreatic Cancer Cells. M. A. Shields, S. Dangi-Garmella, S. Krantz, D. J. Bentrem, H. G. Munshi. Division of Hematology/Oncology, Department of Medicine, and Division of Surgical Oncology, Department of Surgery, Feinberg School of Medicine, Northwestern University; The Jesse Brown VA Medical Center; and The Robert H. Lurie Comprehensive Cancer Center of Northwestern University, Chicago, IL.

P2-37

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P2-39
Bacterial Translocation in Experimental Acute Necrotizing Pancreatitis: Effects of Infliximab. S. Aydin, A. T. Isik, B. Unal, B. Comert, M. Ozyurt, S. Deveci, G. Erdem, M. T. Unal, G. Ozgur, O. Cengiz, I. Tasci, M. R. Mas. Department of Surgery, Guven Hospital, A. Ayranci, Ankara, Turkey, Department of Internal Medicine, Gulhane School of Medicine, Ankara, Turkey, Department of Surgery, University of Inonu, Malatya, Turkey, Department of Pathology, Gulhane School of Medicine, Ankara, Turkey, Department of Surgery, Numune Training Hospital, Sihhiye, Ankara.
P2-40

P2-41
Identification of Post-Translational Modified (PTMs) Proteins in Secretin Stimulated Endoscopic Pancreas Function Test (ePFT) Collected Pancreas Fluid. V. Kadiyala, J. Paulo, P. A. Banks, H. Steen, D.L. Conwell. Center for Pancreatic Disease, Division of Gastroenterology, Endoscopy and Hepatology, Brigham and Women’s Hospital, Boston MA; Proteomics Core Lab, Children’s Hospital Boston, Boston, MA; Harvard Medical School, Boston, MA

P2-42

P2-43
Mucin Expression in Pancreatic Cancer and its Correlation with Aggressiveness and Cell Survival. N. Mujumdar, V. Sangwan, S. M. Vickers, A. K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

P2-44
The Effects of Preoperative Epidural Catheter (PEC) Placement on Outcomes in Patients Undergoing Pancreatectomy. N. Shah, K. Rosborough, B. Bonaventura, J. Zhang, M. Bloomston, C. Schmidt, W.S. Melvin, E.C. Ellison, P. Muscarella. Division of Gastrointestinal Surgery & Center for Minimally Invasive Surgery, Department of Surgery; Department of Anesthesia; Center for Biostatistics, Ohio State University Medical Center, Columbus, OH

P2-45
Combined Inhibition of Src and EGFR Abrogates Tumor-Stromal Interaction and Angiogenesis in Pancreatic Cancer in vivo. N.S. Nagaraj, F. Revetta, M.K. Washington, N.B. Merchant. Departments of Surgery and Pathology, Vanderbilt-Ingram Cancer Center, Vanderbilt University Medical Center, Nashville, TN.

P2-46
Insulin Protects Against Oxidant-Induced Impairment of Ca2+ Signalling and Plasma Membrane Ca2+-ATPase (PMCA) Inhibition in Pancreatic Acinar Cells. P. Mankad, T. Legget, A. James and J. Bruce, Faculty of Life Sciences, University of Manchester, Manchester, UK.

P2-48  A Novel Model of Acute Alcoholic Pancreatitis by Concomitant Administration of Ethanol and Fatty Acid. W. Huang, R. Mukherjee, V. Elliott, D.M. Booth, A. Tepink, D.N. Criddle, R. Sutton. Division of Surgery and Oncology and NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; Physiological Laboratory, University of Liverpool, Liverpool, UK.

P2-49  R1 Rate and Lymph Node Status in Pancreatic Cancer is Determined by Intratumoral Factors. R. Segersvård, A. Leifler, S. Ghazi, F. Jonsson, M. Nilsson, J. Permert. Dept. of Surgical Gastroenterology, CLINTEC Karolinska Institutet at Karolinska University Hospital Stockholm, Sweden.

P2-50  Interplay between Oncogenic Mutations and Inflammatory Stress in Pancreatic Ductal Adenocarcinoma. R. Soydaner-Azeloglu and D. Bar-Sagi. Department of Biochemistry, New York University School of Medicine, New York, NY.

P2-51  Chymotrypsin C is Required for the Full Activation of Human Procarboxypeptidases A1 and A2. R. Szmola, M. Bence, A. Carpentieri, J. Samuelson, C.E. Costello, M. Sahin-­Tóth. Department of Molecular and Cell Biology, Boston University Goldman School of Dental Medicine, Boston, MA; Mass Spectrometry Resource, Department of Biochemistry, Boston University School of Medicine, Boston, MA; 2nd Department of Medicine, Semmelweis University, Budapest, Hungary.


P2-53  Endoscopic ultrasound during acute pancreatitis. V Kotwal, R Talukdar, MJ Levy, SS Vege. Miles and Shirley Fiterman Center for Digestive Diseases, Mayo Clinic College of Medicine, Rochester, MN.

P2-55  
Epithelial to Mesenchymal Transition is Involved in the Radioresistance of Pancreatic Cancer Cells. S. Kozono, K. Ohuchida, T. Ohtsuka, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

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P2-59  
AGR2 Regulates the Invasion of Pancreatic Cancer Cells through Cathepsins B and D. L. Dumartin, H.J. Whiteman, M.E. Weeks, J.F. Timms, T.A. Brentnall, M.P. Bronner, C. Brennann, N.R. Lemoine, T. Crnogorac-Jurcevic. Queen Mary University of London, Barts and The London School of Medicine and Dentistry, Centre for Molecular Oncology, Institute of Cancer, London, UK; Cancer Proteomics Laboratory, EGA Institute for Women’s Health, University College London, Gower Street, London, UK; 3Division of Gastroenterology, Department of Medicine, University of Washington, Seattle, USA; Department of Anatomic Pathology, Cleveland Clinic, Cleveland, USA; Queen Mary University of London, School of Biological and Chemical Sciences, London, UK.

P2-60  
Biomarkers for the Diagnosis of Autoimmune Pancreatitis and in Distinguishing it from Pancreatic Cancer. K. Felix, O. Hauck, F. Fakelman, M. Schnözer, T. Kempf, M.W. Büchler, J. Werner. Department of General Surgery, University of Heidelberg, Heidelberg Germany (D); Protein Analysis Facility, German Cancer Research Center, Heidelberg, German.

P2-61  
The Association of Blood Urea Nitrogen, Creatinine and Hematocrit with In-patient Mortality in Acute Pancreatitis. MJ Bartel, JT Kurtzman, MG Warndorf, M Cox, S Robinson, PR Burchard, SR Gordon, TB Gardner. Section of Gastroenterology and Hepatology, Dartmouth-Hitchcock Medical Center, Lebanon, NH.
P2-62

P2-63
Increased Intrapancreatic Fat is associated with Obesity and Severe Acute Pancreatitis. S. Navina, D. Yadav, K.T. Bae, A. Furlan, L. Nichols, C. Acharya, V. Singh. Departments of Pathology; Medicine; Radiology, University of Pittsburgh Medical Center, McKeesport and Pittsburgh, PA.

P2-64

P2-65
Upregulated micro-RNA 21 Targets PDCD4 and Inhibits Proliferation in Pancreatic Cancer. I Bhatti, V Lee, A Lee, JN Lund, RI Hall, C Tufarelli, D Lobo, M Larvin. University of Nottingham Medical School, Royal Derby Hospital, Derby, UK.

P2-66
Protective Effect of Chai-Qin-Cheng-Qi Decoction On Acute Necrotising Pancreatitis Induced By L-Arginine In Mice. P. Xue, T. Jing, L. Wen, ZY Cheng, L. Huang, W. Huang, X.N. Yang, Q. Xia. Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, Sichuan University, China; Departments of Surgery and Physiology, Royal Liverpool Hospital, University of Liverpool, UK.

P2-67

P2-68
EUS-Guided Injection of Irinotecan into the Pancreas. S. Cizginer, C. Karaca, AR Kambadakone, M Mino-Kenudson, CE Macfarlane, WR Brugge. Departments of Gastroenterology, Surgery, Radiology, Pathology, Massachusetts General Hospital, Boston, MA, USA, Biocompatibles UK Ltd, Farnham, Surrey, United Kingdom.

P2-69
Characterization of Nestin-positive Blood Vessels in Human Pancreatic Cancer. K Yamahatsu, Y Matsuda, T Ishitani, T Yamamoto, T Fujii, T Aimoto, Y Nakamura, M Hiroi, E Uchida, Z Naito. Department of Pathology, Integrative Oncological Pathology, Nippon Medical School, Tokyo, Japan; Surgery for Organ and Biological Regulation, Graduate School of Medicine, Nippon Medical School, Tokyo, Japan.
P2-70

P2-71
Comparison of Fecal Elastase-1 and Pancreatic Function Testing in Children. PD Wali, B Loveridge-Lenza, Z He, K Horvath. Division of Pediatric Gastroenterology and Nutrition, Department of Biomedical Research, Thomas Jefferson University Medical College, Philadelphia, PA and Alfred I duPont Hospital for Children, Wilmington, DE.

SATURDAY, NOVEMBER 5
7:00 AM - 3:00 PM POSTER SESSION 3
KRUMLOVSKY ATRIUM

Posters P3:1-6 Posters of Distinction

P3-1

P3-2
HP1 Binds to KLF11 to Regulate CXCR4, a Key Mediator of Metastasis and Angiogenesis in Pancreatic Cancer. G Lomberk, A Mathison, M Fernandez-Zapico, C Demars, N Buttar, and R Urrutia. Division of Gastroenterology, Mayo Clinic, Rochester, MN.

P3-3
The Addition of Erlotinib to Gemcitabine and Cisplatin Does Not Appear To Improve Median Survival In Metastatic Pancreatic Cancer. P. Carlson, D. Fogelman, B. Kelley, W. Qiao, M. Javle, M. Overman, G. Varadhachary, R. Wolff, J. Abbruzzese. Baylor College of Medicine, Houston, TX; Department of Gastrointestinal Medical Oncology, M.D. Anderson Cancer Center, Houston, TX
P3-4
The Angiotensin-I-Converting Enzyme Inhibitor Enalapril and Aspirin Delay Progression of Pancreatic Intraepithelial Neoplasia and Cancer Formation in a Genetically Engineered Mouse Model of Pancreatic Cancer. V. Fendrich, NM Chen, M. Neef, J. Waldmann, M. Buchholz, G. Feldmann, E. Slater, A. Maitra, D. Bartsch. Department of Surgery, Department of Gastroenterology and Endocrinology, Philipps-University Marburg, Germany; Department of Pathology, The Sol Goldman Pancreatic Cancer Research Center, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA.

P3-5
Gene Expression Profiling Reveals Long Intronic Non-Coding RNAs Differentially Expressed in Pancreatic Cancer and Metastasis. A.C. Tahira, M.S. Kubrusly, M.F. Faria, S. Verjovski-Almeida, E.M. Reis, M.C.C. Machado. Department of Biochemistry, Instituto de Química, Department of Gastroenterology, School of Medicine (LIM-37), University of Sao Paulo, Sao Paulo, SP, Brazil.

P3-6

P3-7
Mist1-/- mice have increased sensitivity to an alcohol laced diet. S. Alahari, C. Pin, Department of Physiology and Pharmacology and Pediatrics, University of Western Ontario, Children’s Health Research Institute, London, Canada.

P3-8

P3-9
Predicting Post-ERCP Pancreatitis (PEP) Before and After ERCP Using Accepted and Novel Risk Factors. DD Ballard, SD Saini, J Spaete, EJ Wamsteker, MJ DiMagno. Dept of Medicine, GI Div, U of MI, Ann Arbor.

P3-10
BMP2 Stimulates Inflammatory Responses in Pancreatic Acinar Cells. Y Cao, M Tyler, W Yang, C Chao, MR Hellmich, TC Ko. Department of Surgery, UTHSC-Houston; UTMB, Galveston, TX.
P3-11
Analysis of ICOS and IL-10 Positive Regulatory T cells in Patients with Autoimmune Pancreatitis. K Uchida, T Kusuda, T Ikeura, Y Sakaguchi, K Yoshida, T Fukui, M Shimatani, M Matsushita, M Takaoka, A Nishio, K Okazaki. Department of Gastroenterology and Hepatology, Kansai Medical University, Moriguchi, Japan.

P3-12

P3-13
Pathologic Protease Activity is Reduced in Calcineurin-A beta Knockout Mice. I. Orabi, M.U. Ahmad, A. U. Shah, Z. M. Mannan, S. Z. Husain. Department of Pediatrics, Yale University School of Medicine, New Haven, CT.

P3-14

P3-15

P3-16

P3-17
Early Surgery for Necrotizing Pancreatitis: Primary Necrosectomy is not Necessary. Y.P. Abdullaev, S.I. Galeev, M.A. Rubtsov. Department of Surgery, Saint-Petersburg State Medical Academy n.a. Mechnicov, Russia; Department of Surgery, Clinical Hospital of St. Luke, Saint-Petersburg, Russia.

P3-18
Germline Mutations of Centrobin Gene Likely Predispose Patients to Pancreatic Cancer. W.S. Rubinstein, C. Zou, R.H. Koneru, K. Vogel, V. Wang, K. Kaul, R.E. Brand, Q. Gao. Department of Medicine, Pathology, North-Shore University HealthSystem, MBP Program, Northwestern University, Evanston, IL; Division of Gastroenterology, Hepatology and Nutrition, University of Pittsburgh Medical Center, Hillman Cancer Center, Pittsburgh, PA.
P3-19
Enhanced Sensitivity of Pancreatic Detection by Measuring the CA 19-9 Antigen on Selected Protein Carriers. T.Yue, L. Li, M.A. Anderson, D.E. Brenner, D.M. Simeone, Z. Feng, R.E. Brand, B.B. Haab. Laboratory of Cancer Immunodiagnostics, Van Andel Institute, Grand Rapids, MI; Fred Hutchinson Cancer Research Center, Seattle, WA; University of Michigan Medical Center, Ann Arbor, MI; University of Pittsburgh Medical Center, Pittsburgh, PA; Cell and Molecular Biology Program, Michigan State University, East Lansing, MI.

P3-20
Diabetes is Associated to Malignant Pancreatic Tumors and Serves as Prognostic Factor for Ductal Adenocarcinoma. R. Hennig, A. Kis, U. Hinz, J. Kleeoff, J. Schmidt, H. Friess, M.W. Büchler. Department of Surgery, University of Heidelberg, Germany; Department of Surgery, Klinikum rechts der Isar, TUM, Munich, Germany.

P3-21
TNF-α-induced NF-κB Activation in AR42J Cells Requires both Serine and Tyrosine Phosphorylation of IκBa. E. Twalt, D. Williard, I. Samuel. VAMC & UI CCOM, Iowa City, IA.

P3-22
Xbp1 Ablation in the Adult Murine Pancreas has Long-Term Effects on Pancreatic Morphology. D.A. Hess, S. Humphrey, A-H. Lee, L. Glimcher, S.F. Konieczny. Department of Biological Sciences and Purdue Center for Cancer Research, Purdue University, West Lafayette, IN; Department of Immunology and Infectious Disease, Harvard University, Boston, MA

P3-23
A Modified 13C-Mixed Triglyceride Breath Test Detects Moderate Pancreatic Exocrine Insufficiency. J. Keller, P. Layer. Dept. Internal Medicine, Isrealitc Hospital, Hamburg, Germany.

P3-24
Evaluation of Cerulein (CR)-Induced Acute Pancreatitis in Mice with Micro-Computed Tomography Imaging. S.O. Kim, C. Chao, C. Rastellini, J. Wei, I. Patrikeev, M. Motamedi, J. Aronson, G Greeley, T.C. Ko, Y. Cao, M. Falcon, B.M. Evers, H Saito, M.R. Hellmich. Department of Surgery; Center for Biomedical Engineering; The Animal Models of Pancreatic Disease Core; Department of Pathology; Department of Pharmacology and Toxicology, University of Texas, Galveston, TX; University of Texas Health Science Center at Houston, Houston, TX; Department of Surgery, University of Kentucky, Lexington, KY.

P3-25
Pancreatic Acinar Cells Express the Calcium Sensing Proteins for Secretion, Synaptotagmin-1, -3, -6 and -7. MA Falkowski, DDH Thomas and GE Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI.

P3-26
Apigenin Induces Pancreatic Cancer Apoptosis Via p53 and PUMA. JC King, Q-Y Lu, L Zhang, G Li, A Moro, HA Reber, Vlw Go, G Eibl, OJ Hines. UCLA Center for Excellence in Pancreatic Diseases, Los Angeles, CA.
P3-27

P3-28

P3-29
Multifocal IPMNs: Pathology and Field Defect. H. Matthaei, A. Norris-Kirby, K. Olino, C.L. Wolfgang, R.D. Schulick, J.L. Cameron, K.D. Jackson, M. dal Molin, P. Capelli, G. Zamboni, L. Bortesi, T. Furukawa, A.C. Tsiatis, S.M. Hong, M. Goggins, J.R. Eshleman, R.H. Hruban, A. Maitra. The Sol Goldman Pancreatic Cancer Research Center, The Johns Hopkins University, Baltimore, USA; Department of Pathology, University of Verona, Verona, Italy, Sacro Cuore Hospital, Verona, Italy, International Research and Educational Institute for Integrated Medical Sciences, Tokyo Women’s Medical University, Tokyo, Japan.

P3-30

P3-31
Is the Prognosis Better After Resection for Invasive IPMN than for Pancreatic Cancer? T. Moriya, L.W. Traverso. Department of General Surgery, Virginia Mason Medical Center, Seattle, WA.

P3-32
Cancer/Testis Antigens and the Activation of the Gametogenic Expression Program in Pancreatic Cancer. A. Heller, T. Giese, S. Gnjatic, K. Giorgadze, A. Berger, I. Zörnig, D. Jäger, F. Bergmann, M.W. Büchler, J. Schmidt, J. Werner, N.A. Giese. Department of Surgery, Institute of Immunology, Department of Medical Oncology/NCT and Institute of Pathology, University Hospital Heidelberg, Germany; Ludwig Institute for Cancer Research Ltd, Memorial-Sloan Kettering Cancer Center, New York, NY.

P3-33

P3-34
Serous cystadenoma of the pancreas showing enlargement on imagins: Report of a case. M. Nakamoto, N. Minagawa, A. Wada, A. Higure, K. Yamaguchi. Department of Surgery, School of Medicine, University of Occupational and Environmental Health, Japan.
P3-35
Evaluating absence of Rcan1, a feedback inhibitor of CN-NFAT, in hormone-driven, adaptive pancreatic growth. GT Gurda, SJ Crozier, JA Williams. University of Michigan School of Medicine, Ann Arbor, MI.

P3-36
Omega-3 fatty acid decreases proliferation of pancreatic precancerous lesions by attenuating AKT phosphorylation. M. Barron, Y. Ding, B. Muppadi, K. Adrian, M. Tsao, P. Gripp. Department of Surgery, Northwestern University, Chicago, IL.

P3-37
LEDGF, a Novel Transcriptional Partner of the Oncogene GLI1 in Pancreatic Cancer. K.L. Bledsoe and M.E. Fernandez-Zapico. Schulze Center for Novel Therapeutics, Mayo Clinic, Rochester, MN.

P3-38
Outcome of Laparoscopic Spleen Preserving Distal Pancreatectomy with Special Reference to the Lateral Approach. M. Nakamura, T. Ohtsuka, S. Takahata, S. Shimizu, M. Tanaka. Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P3-39
Integrin α6β4 Contributes to HGF-Stimulated Migration and Invasion by Promoting Autocrine EGFR Signaling. M. Chen, Z. Cruz-Monserrate, T. Knifley, K. L. O’Connor. Markey Cancer Center, University of Kentucky, Lexington; and Department of Cancer Biology, University of Texas, M.D. Anderson Cancer Center, Houston.

P3-40
Clinical Significance of Serum Alkaline Phosphatase Level in Advanced Pancreatic Cancer. I. Ohno, S. Mitsunaga, K. Nakachi, S. Shimizu, H. Takahashi, H. Okuyama, Y. Kojima, A. Ochiai, H. Ueno, C. Morizane, S. Kondo, T. Okusaka, M. Ikeda. Division of Hepatobiliary and Pancreatic Oncology, National Cancer Center Hospital East, Kashiwa, Japan; Department of Gastroenterology, National Center for Global Health and Medicine, Tokyo, Japan; Division of Hepatobiliary and Pancreatic Oncology, National Cancer Center Hospital, Tokyo, Japan.

P3-41
Mass Spectrometry-based Proteomic Analysis of Formalin-Fixed Paraffin-Embedded (FFPE) Pancreatic Tissue. J. Paulo, P.A. Banks, H. Steen, D.L. Conwell. Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA; Proteomics Core Lab, Children’s Hospital Boston, Boston, MA; Harvard Medical School, Boston, MA.

P3-42
Sample Preparation of Secretin Stimulated Endoscopic (ePFT) Collected Pancreatic Fluid for Proteomic Analysis. J. Paulo, B. Wu, P.A. Banks, D.L. Conwell, H. Steen. Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women’s Hospital, Boston, MA; Proteomics Core Lab, Children’s Hospital Boston, Boston, MA; Harvard Medical School, Boston, MA.
P3-43
NIS-CRAD as a Novel Theranostic for Pancreatic Cancer. J. Davydova, M. Trujillo, S. McDonough, M. Oneal, E. Brown, J. Han, L. Armstrong, S. Vick- ers, J. Morris, M. Yamamoto. Department of Surgery, University of Minne- sota, Minneapolis, MN; Division of Endocrinology, Mayo Clinic, Rochester, MN.

P3-44
The Effects of Ethanol, Bile Acids and TNF-α on Expression of Aquaporins in Human Pancreatic Duct Cells. P. Hegyi, Z. Rakonczay Jr., L. Kemény Jr., Á. Zvara, L. Puskás, V. Venglovecz. First Department of Medicine, University of Szeged; Laboratory of Functional Genomics, Biological Research Center, Department of Pharmacology and Pharmacotherapy, University of Szeged, Szeged, Hungary

P3-45
CPET (Cardiopulmonary Exercise Testing) for Assessment of Risk Prior to Pancreaticoduodenectomy. MA Junejo, AJ Sheen, D Atkinson, J Moore, P Foster, MJ Parker, AK Siriwardena. Regional Hepatobiliary Unit; Departments of Anaesthesia and Critical Care, Manchester Royal Infirmary, Manchester UK.

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Putative Pancreatic Cancer Stem Cell Marker DCAMKL-1: Role in EMT. S.M. Sureban, R. May, S.A. Lightfoot, J.H. Wyche, S. Anant, C.W. Houchen. Departments of Medicine and Pathology, University of Oklahoma Health Sciences Center, Oklahoma City, OK; Veterans Affairs Medical Center, Oklahoma City, OK; Howard University, Washington, DC.

P3-47
Results of 546 Consecutive Pancreatic Operations at Helsinki University Hospital, Finland. H. Pelli, A. Juuti, H. Mustonen, S. Nordling, J. Sirén, C. Haglund, T. Kiviluoto. Department of Surgery, Department of Pathology, Helsinki University Central Hospital, Finland.

P3-48
Alisporivir (Deb025) Prevents Necrosis in and Decreases the Severity of Experimental Pancreatitis. R Mukherjee, W Huang, AV Tepikin, A Gukovskaya, DN Criddle, R Sutton. Physiological Laboratory, University of Liverpool, NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; VA Greater Los Angeles Healthcare System and University of California Los Angeles, CA, USA.

P3-49
Risk of Recurrence after Biliary Pancreatitis with and without Preventive Measures. A Popowicz, E Wirén, G Sandblom, Å. Andrén-Sandberg. Center of Gastroenterology, Karolinska University Hospital/Huddinge.

P3-50
GIPC Modulates TGFβ Signaling in Human Pancreatic Stellate Cells by Altering Co-receptor Expression. A. Szabolcs, Y. Cao, R. Urrutia, S. Dutta, D. Mukhopadhyay. Department of Biochemistry and Molecular Biology, Mayo Clinic, Rochester, MN.
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A Novel Cancer-Targeting Adenovirus Expressing Interferon Alpha for Pancreatic Cancer Therapy. L. Armstrong, J. Davydova, E. Brown, J. Han, M. Yamamoto, S.M. Vickers. Department of Surgery, University of Minnesota, Minneapolis, MN.

P3-53
Surgical Impact of Remnant Pancreatic Volume and Body Composition on Pancreatic Anastomotic Failure after Pancreatoduodenectomy. Y. Kirihara, N. Takahashi, Y. Hashimoto, G. Sclobas, S. Khan, J. Sakagami, M.G. Sarr, M.B. Farnell. Division of Gastroenterologic and General Surgery; Department of Radiology; Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

P3-54
Nociceptor Cell Sprouting: Implication for Pancreatic Pain Perception. S. Seo, G. Lomberk, A.J. Mathison, N. Buttar, S. Brimir, A. Windebank, R. Urrutia. Mayo Graduate School, Division of Gastroenterology, Department of Pharmacology and Experimental Therapeutics, Department of Neuroscience, Mayo Clinic, College of Medicine, Rochester, MN.

P3-55
Claudin-4 (CLDN4) is Associated with Neoplastic Progression of Intraductal Papillary Mucinous Neoplasms (IPMNs) of the Pancreas. K. Tsutsumi, N. Sato, H. Fujita, K. Ohuchida, T. Ohtsuka, S. Takahata, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P3-56
Marine Sponge Extract for Targeted Elimination of Pancreatic Cancer Stem-like Cells. S. Schlesinger, G. Kallifatidis, A. Klöppel, F. Brümmer, I. Herr. Molecular OncoSurgery Group, Department of General Surgery, University of Heidelberg and German Cancer Research Center, Heidelberg, Germany, Translational Immunology Unit, German Cancer Research Center, Heidelberg, Germany, University of Stuttgart, Institute of Biology, Department of Zoology, Stuttgart, Germany.

P3-57
Clinical and Morphological Aspects of Autoimmune Pancreatitis Associated with Ulcerative Colitis. L. Frulloni, A. Amodio, A. Katsotourchi, T. Viaro, R. Nienstedt, T. Tumelero, L. Benini, M. Pellicciari, I. Vantini. Department of Medicine, University of Verona, Italy.
P3-58
Significant Weight Gain After Long-Term Treatment with CREON® in Patients with Exocrine Pancreatic Insufficiency due to Chronic Pancreatitis or Pancreatic Surgery, Despite Previous Oral Enzyme Therapy. D.C. Whitcomb, E. Malecka-Panas, G.A. Lehman, G. Vasileva, N. Gubergrits, S. Caras, Y. Shen, S. Sander-Struckmeier. University of Pittsburgh, Pittsburgh, PA; Medical University of Lodz, Lodz, Poland; Indiana University Medical Center, Indianapolis, IN; MHAT Rousse AD, Rousse, Bulgaria; Donetsk National Medical University, Donetsk, Ukraine; Abbott, Marietta, GA; Abbott, Hannover, Germany.

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Da-Cheng-Qi Decoction Reduces Intra-abdominal Hypertension and Acute Lung Injury in Experimental Acute Pancreatitis Model in Rats. M H Wan, J li, L Zhu, G Y Cheng, W F Tang, Q Xia. Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, Sichuan University, China

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Salmonella Typhi (ST) Infects Pancreatic Ductal Cells in vitro. B Farfán, ML Ramírez-Aguilar, M Pelaez-Luna, G Gutiérrez, C Alpuche-Aranda, G Robles-Díaz. Experimental Medicine Unit-School of Medicine, UNAM, Microbiology and Immunology Department, School of Medicine, UNAM. México City, Mexico.

P3-66
Role of Non-Oxidative Ethanol Metabolism in Pancreatic Acinar Mitochondrial Dysfunction and Cell Death. D.M. Booth, W. Huang, A.V. Tepikin, B.S. Kaphalia, R. Sutton, D.N. Criddle. Physiological Laboratory, University of Liverpool, Liverpool, UK, Liverpool NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; Department of Pathology, The University of Texas Medical Branch, Galveston, TX, USA.

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High-Fat Diet Hastens Mortality from Pancreatic Adenocarcinoma in Kras/P53/Cre Mice. PB White, H Wu, M Yip-Schneider, CM Schmidt, KM Ziegler, HA Pitt, DA Swartz-Basile, NJ Zyromski. Department of Surgery, Indiana University School of Medicine, Indianapolis, IN.

P3-69
A Metastatic Model of Pancreatic Cancer Using NOD/Shi-scid, IL-2Rγnull(NOG) Mice. T. Fujii, Y. Matsuda, K. Yamahatsu, H. Akiyama, K. Teduka, T. Yamamoto, T. Ishiwata, E. Uchida, Z. Naito. Department of Pathology, Integrative Oncological Pathology, Nippon Medical School, Tokyo, Japan; Surgery for Organ and Biological Regulation, Graduate School of Medicine, Nippon Medical School, Tokyo, Japan.

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Pancreatic Exocrine Dysfunction in a Subgroup of Children with Failure to Thrive. B. Loveridge-Lenza, Z. He, K. Horvath. Department of Pediatrics, Thomas Jefferson University, Philadelphia, PA; Division of Gastroenterology and Nutrition & Nemours Biomedical Research, Alfred I. duPont Hospital for Children, Wilmington, DE.

End of Program