

42nd Annual Meeting

November 2-5, 2011



Northwestern Memorial Hospital Conference Center
and Wyndham Hotel



Discover. Share. Conquer.

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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APA Contact Information:

Ashok K. Saluja, PhD
APA Secretary-Treasurer
Professor & Vice Chair, Surgery
University of Minnesota
PO Box 14906
Minneapolis, MN 55414
T: 612-626-9797
F: 612-625-7700
E: apa@umn.edu
www.american-pancreatic-association.org

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PROGRAM OVERVIEW

Practice Guidelines in Chronic Pancreatitis

Topics to be addressed will include Diagnostic Criteria, Treatment Guidelines, Complications and Long Term Management of Chronic Pancreatitis. A consensus document will be prepared based on the deliberations by the participating experts & will be published in Pancreas.

Wednesday, November 2 8:00am to 4:30pm

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 3 8:00am to 10:15am
2:15pm to 3:40pm
5:30pm to 6:10pm

Friday, November 4 8:30am to 9:55am
4:10pm to 6:00pm

Saturday, November 5 9:40am to 11:40am

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 3 7:00am to 8:00am
12:15pm to 2:15pm

Friday, November 4 7:30am to 8:30am
12:10pm to 2:10pm

Saturday, November 5 7:00am to 9:00am

State-of-the-Art Lectures

Thursday, November 3 10:30am to 11:15am
Friday, November 4 11:40am to 12:10pm
Saturday, November 5 9:00am to 9:40am

CME-Accredited Mini-Symposia

Wednesday, November 2 5:00pm to 6:30pm

Thursday, November 3 9:30am to 10:30am
11:15am to 12:15pm
4:00pm to 5:30pm

Friday, November 4 10:10am to 11:40am
2:40pm to 3:55pm

Saturday, November 5 11:50am to 1:00pm

SPECIAL EVENTS

Presidential Reception

Wednesday, November 2

6:30pm - 8:00pm

Lakeshore Ballroom, Wyndham Chicago

Banquet Dinner & Award Presentations

Thursday, November 3

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.

Cocktail Reception

Friday, November 4

6:00pm - 7:30pm

Grand Ballroom, Wyndham Chicago

ONSITE REGISTRATION HOURS

Location: Grand Ballroom, Wyndham Hotel
 Wednesday, 11/2: 7:00 AM - 6:30 PM

Location: Mecklenberg Conference Center
 Thursday, 11/3: 7:00 AM - 6:00 PM
 Friday, 11/4: 7:30 AM - 6:00 PM
 Saturday, 11/5: 7:30 AM - 1:00 PM

ABSTRACT SELECTION COMMITTEE

The APA Board wishes to thank the following for reviewing the over 265 abstracts recieved:

Minoti Apte	Sohail Husain	Ashok Saluja
Surindar Batra	Tetsuhide Ito	Tooru Shimosegawa
Suresh Chari	Rodger Liddle	Diane Simeone
Darwin Conwell	Craig Logsdon	Vijay Singh
Chris Forsmark	Anirban Maitra	Sarah Thayer
Martin Freeman	Julia Mayerle	Susan Tsai
Toru Furukawa	Nipun Merchant	Jennifer Tseng
Guy Groblewski	Steve Pandol	Huaizhi Wang
Anna Gukovskaya	Miklos Sahin-Toth	Kenji Yamao
O. Joe Hines		

YOUNG INVESTIGATOR AWARD RECIPIENTS

Congratulations to the 2011 Young Investigator Award Winners:

Gaurav Aggarwal	Vivek Kadiyala
Ali A. Aghdassi	Chandan Kumar
Venkata S. Akshintala	Nitin Kumar
Ji Young Bang	Jessica LaRusch
Sebastian Beer	Guopei Luo
Natasha Behrendorff	Scott Messenger
Simone M R Camargo	Jennifer P Morton
Meredith Collins	Nagaraj S. Nagathihalli
Zobeida Cruz-Monserrate	James A. Nicholson
Marco Dal Molin	Abraham I. Orabi
ParamaDey	Maria E. Sabbatini
Andreas Gerloff	Veena Sangwan
A. Jesse Gore	Tatsuyuki Takadate
Joohee Han	Mark van Baal
Dhanya Haridas	Jingjiang Wu
David A. Hess	Junpei Yamaguchi
Naoki Ikenaga	

LEARNING OBJECTIVES FOR APA ANNUAL MEETING

1. Physicians will have a global consensus statement for diagnosis & treatment guidelines in Chronic Pancreatitis.
2. Physicians need to network in order to increase data sharing amongst fields and institutions
3. Physicians will have increased knowledge of new research findings that have happened in the past year or are on the horizon & thus have more options for patient treatment.
4. Physicians should understand the underpinnings of how the basic science research affects how they treat pancreatic diseases.
5. Physicians need to have tools to be able to better diagnose and treat pancreatic disease.

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 through the joint sponsorship of the American College of Surgeons and the American Pancreatic Association. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA CATEGORY 1 CREDITS™

Annual Meeting: The American College of Surgeons designates this live activity for a maximum of 10 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Chronic Pancreatitis Symposium: The American College of Surgeons designates this live activity for a maximum of 8 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Sessions that are accredited are denoted with the following logo:



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American College of Surgeons
Division of Education

2011 Vay Liang & Frisca Go Award**ANDREW L. WARSHAW, MD**

Andrew Warshaw was born and raised in New York City. He graduated from Harvard College and Harvard Medical School, and trained in surgery at the Massachusetts General Hospital. He also spent two years as a Clinical Associate in the Section on Gastroenterology of the National Institutes of Health and was a research fellow in medicine at the MGH. Since 1972, he has been on staff at the MGH and faculty of Harvard Medical School. In 1987, he became Professor of Surgery at Harvard and in 1997, the W. Gerald Austen Professor of Surgery, Surgeon-in-Chief and Chairman of the Department of Surgery at the MGH, positions he held until 2011.

He is currently Senior Consultant for Regional and International Clinical Relations at the Massachusetts General Hospital and Partners Healthcare, and chairman emeritus of the Department of Surgery.

Dr. Warshaw has been President of the Society for Surgery of the Alimentary Tract, the International Association of Pancreatology, the Massachusetts Chapter of the American College of Surgeons, the New England Surgical Society, the Halsted Society, the Boston Surgical Society, the Society of Surgical Chairs, and the American Pancreatic Association. He was a Director of the American Board of Surgery and its Chairman in 1993. He has served as a Governor of the American College of Surgeons and chair of its Socioeconomic Issues Committee. In 1999, he conceived and began the Volunteerism program of the ACS which became Operation Giving Back. He has been First Vice-President of the College, a member of its Health Policy Steering Committee, and founding Chair of the Board of Directors of the American College of Surgeons Professional Association/Political Action Committee. In 2007 he was elected Treasurer of the American College of Surgeons, and was appointed Chair of its Health Policy and Advocacy Group.

Dr. Warshaw has made important contributions to the diagnosis, treatment and understanding of the pathogenesis of inflammatory and malignant lesions of the pancreas. In 1984 he established the Pancreas Research Laboratory of the MGH, where 30 research fellows from 8 different countries performed basic research related to pancreatic diseases. Considered by many a "master surgeon", he has contributed to the training of over 250 surgical residents.

His bibliography lists over 400 original reports as well as 225 book chapters, reviews, and monographs and 13 books. He is Editor-in-chief of the journal SURGERY. He has received numerous awards, including the Master Educator Award of the Society for Surgery of the Alimentary Tract, and the Rudolf Nissen Medallion from the German Society of General and Gastrointestinal Surgery.

APA Multidisciplinary Consensus Conference

Practice Guidelines in Chronic Pancreatitis *November 2*

Wednesday, 11/2

COURSE DIRECTORS:

Darwin Conwell, MD, Chris Forsmark, MD & Santhi Swaroop Vege, MD
Grand Ballroom, Wyndham Chicago

7:00 - 7:50 AM

REGISTRATION & BREAKFAST - GRAND BALLROOM

7:50 - 8:00 AM

WELCOME - GRAND BALLROOM

Ashok K. Saluja, PhD



8:00 - 10:00 AM

SESSION 1: DIAGNOSTIC CRITERIA

Chair: Darwin Conwell, MD

Moderator: Linda S. Lee, MD

Epidemiology/Risk Factors

Dhiraj Yadav, MD, MPH - UPMC

Pathologic Definitions

Daniel S. Longnecker, MD - Dartmouth

Chronic Pancreatitis: Ultrasound & CT

Frank Miller, MD - Northwestern

Chronic Pancreatitis: MR Imaging Features

Koenraad J. Mortele, MD - BIDMC

Endoscopic Criteria: EUS

Michael Levy, MD - Mayo Clinic

Endoscopic Criteria - ERCP

Richard Kwon, MD, MS - University of Michigan

*Diagnostic Criteria cont.***Indirect Testing Methods**

John G. Lieb, II, MD - University of Pennsylvania

Direct Testing Methods & Techniques

Linda S. Lee, MD - Brigham & Women's

Correlation of Imaging, Function and Histology

Tyler Stevens, MD - Cleveland Clinic

Words of Wisdom - Diagnostic Criteria

Philip Toskes, MD - University of Florida

9:45 - 10:00 AM

DISCUSSION: DIAGNOSTIC CRITERIA

Moderator: Timothy Gardner, MD - Dartmouth

10:00 - 10:30 AM

REFRESHMENTS - GRAND BALLROOM FOYER

10:30 - 12:30 PM

SESSION 2: TREATMENT GUIDELINES

Chair: Christopher Forsmark, MD

Moderator: Matthew DiMagno, MD

Mechanisms and Pathogenesis of Pain

Pankaj J. Pasricha, MD - Stanford

Medical Management of Pain

Christopher Forsmark, MD - University of Florida

Endoscopic Therapy & Extracorporeal Shock Wave Lithotripsy

Martin Freeman, MD - University of Minnesota

Surgical Therapy for Pain in Chronic Pancreatitis

Jeffrey B. Matthews, MD - University of Chicago

Treatment of Exocrine Insufficiency

David C. Whitcomb, MD, PhD - UPMC

Words of Wisdom - Treatment Guidelines

William Steinberg, MD - Rockville Internal Medicine Group

12:15 - 12:30 PM

DISCUSSION: TREATMENT GUIDELINES

Moderator: Howard Reber, MD - UCLA

12:30 - 1:30 PM

LUNCH & BREAKOUT SESSIONS

LAKESHORE BALLROOM

BREAKOUT SESSION 1: DIAGNOSTIC CRITERIA

LAKESHORE BALLROOM A

Facilitators: Andres Gelrud, Andrew Bellizzi, Desiree Morgan, Linda Lee, John Lieb, Darwin Conwell, Timothy Gardner

BREAKOUT SESSION 2: TREATMENT GUIDELINES

LAKESHORE BALLROOM B

Facilitators: Matthew DiMagno, Christopher Forsmark

1:30 - 3:30 PM

SESSION 3: COMPLICATIONS & LONG TERM MANAGEMENT

Chair: Santhi Swaroop Vege, MD

Moderator: Peter A. Banks, MD

Endoscopic Treatment of Pancreatic and Biliary Obstruction in Chronic Pancreatitis

Joe Romagnuolo, MD - MUSC

Obstruction Due to Mass Forming Chronic Pancreatitis

William Nealon, MD - Vanderbilt

Complications & Long Term Management cont.

**Complications of Chronic Pancreatitis: Internal Pancreatic
Fistulas**

Michael B. Farnell, MD - Mayo Clinic

Splenic/Portal Vein Thrombosis & Sinistral Portal Hypertension

Greg Beilman, MD - University of Minnesota

Chronic Pancreatitis & the Risk of Pancreatic Cancer

Albert Lowenfels, MD - NYU

Malnutrition Including Pancreatic Osteodystrophy

Andres Gelrud, MD - UPMC

Pancreatogenous Diabetes

Melena Bellin, MD - University of Minnesota

Quality of Life Evaluation in Chronic Pancreatitis

Wahid Wassef, MD, MPH - University of Massachusetts

Words of Wisdom - Complications & Long Term Management

Ed Bradley, MD - Florida State University

3:15 - 3:30 PM

**DISCUSSION: COMPLICATIONS & LONG TERM
MANAGEMENT**

Moderator: Eugene Dimagno, MD - Mayo Clinic

3:30 - 4:15 PM

**BREAKOUT SESSION 3: COMPLICATIONS &
LONG TERM MANAGEMENT**

ST CLAIR BALLROOM

Facilitators: Santhi Swaroop Vege, Pramod Garg

4:15 - 4:30 PM

WRAP UP & FINAL COMMENTS

End of Pre-Meeting Conference

42nd Annual Meeting of the
American Pancreatic Association
 November 2-5 2011

Wednesday, 11/2

4:00 - 5:00 PM

REGISTRATION - WYNDHAM GRAND BALLROOM

5:00 - 6:30 PM

**HIRSHBERG KEYNOTE SYMPOSIUM
 PANCREATIC CANCER: FROM GENOMICS
 TO CLINICAL APPLICATIONS** - GRAND BALLROOM



Moderators: Diane Simeone, MD & Ashok Saluja, PhD

**Whole Genome Sequencing and Analysis of Pancreatic
 Cancer: A Therapeutic Paradigm**

Elaine Mardis, PhD
 Washington University

**New Insights in the Pathogenesis of Pancreatic Cancer from
 Unbiased Sequencing**

Anirban Maitra, MD
 Johns Hopkins Medicine

6:30 - 8:00 PM

PRESIDENTIAL RECEPTION
 WYNDHAM LAKESHORE BALLROOM

7:00 AM - 6:00 PM

REGISTRATION - NORTHWESTERN KRUMLOVSKY ATRIUM

7:00 - 8:00 AM

BREAKFAST & POSTER VIEWING

NORTHWESTERN KRUMLOVSKY ATRIUM

8:00 - 10:15 AM

SCIENTIFIC SESSION 1: PANCREATIC CANCER

NORTHWESTERN MECKLENBURG CONFERENCE ROOM

Moderators: Sunil Hingorani, MD, PhD & Huaizhi Wang, MD, PhD

Featured Speaker: Shinichi Egawa, MD, PhD

8:15 AM **c-Met: a New Cancer Stem Cell Marker and Therapeutic Target for Pancreatic Cancer.** J-J. Wu, C. Li, M. Hynes, J. Dosch, B. Sarkar, M.P. Magliano, D.M. Simeone. Departments of Surgery, Cell and Developmental Biology, and Molecular and Integrative Physiology, University of Michigan, Ann Arbor, MI

8:27 AM **Correlation of Early Recurrence with In Vitro Adenosine Triphosphate Based Chemotherapy Response Assay in Pancreas Cancer with Postoperative Gemcitabine Chemotherapy.** J. Seong Park, J. Keun Kim, H. Wook Shin, D. Sup Yoon. Pancreatobiliary Cancer Clinic, Department of Surgery, Gangnam Severance Hospital, Yonsei University Health System, Seoul, Korea

8:39 AM **STAT3 Mediates Regulation of the Tumor Microenvironment in Pancreatic Cancer.** N.S. Nagathihalli, Y. Beesetty, M. Reyzer, C. Shi, R. Caprioli, N.B. Merchant. Departments of Surgery, Cancer Biology, Pathology and Biochemistry, Vanderbilt-Ingram Cancer Center, Vanderbilt University Medical Center, Nashville, TN

8:51 AM **TGF- β -mediated Growth Inhibition of Pancreatic Cancer Cells Depends on RB Function.** A.J. Gore and M. Korc. Departments of Medicine, and Pharmacology and Toxicology, Dartmouth Medical School, Hanover, NH

9:03 AM **MicroRNA Biomarkers in Cyst Fluid May Improve the Management of Pancreatic Cysts.** A.E. Szafranska-Schwarzbach, H. Matthaei, D. Wylie, M.B. Lloyd, J. Kempainen, L. Langfield, R. Schulick, B.F. Andruss, R.H. Hruban, A.T. Adai, A. Maitra. Asuragen Inc., Austin, TX; The Sol Goldman Pancreatic Cancer Research Center, Johns Hopkins University School of Medicine, Baltimore, MD

9:15 AM **Identifying Molecular Signatures for the Earliest Kras-induced Transformation Events in Pancreatic Adenocarcinoma Development.** C. Qu, D. DiRenzo and S. F. Konieczny. Department of Biological Sciences and the Purdue Center for Cancer Research, Purdue University, West Lafayette, IN

9:27 AM **Minnelide, a Potent Chemotherapeutic Agent against Pancreatic Cancer.** V. Sangwan, R.K. Chugh, D.M. Johnson, S. Banerjee, V. Dudeja, N. Mujumdar, T.N. Mackenzie, S.M. Vickers, A.K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN

9:39 AM **Adrenomedullin: A Mediator of Pancreatic Cancer-associated Diabetes.** G. Aggarwal, G. Klee, E.W. Klee, T. Smyrk, W. Bamlet, J.J. Han, M. de Andrade, G.M. Petersen, M.E. Fernandez-Zapico, S.T. Chari. Division of Gastroenterology; Schulze Center for Novel Therapeutics, Department of Pathology; Department of Health Sciences Research, Mayo Clinic, Rochester, MN

9:51 AM **Human Ecdysoneless Promotes Aerobic Glycolysis in Pancreatic Cancer Cells.** P. Dey, S. Chakraborty, S. Rachagani, S. Senapati, P. Singh, C.B. Gurumurthy, V. Band, M. Hollingsworth and S.K. Batra. Department of Biochemistry and Molecular Biology, Eppley Cancer Institute, University of Nebraska Medical Center, Omaha, NE

10:03 AM **Small Branch-Duct IPMNs – by far Not as Harmless as Supposed.** S. Fritz, M. Klaus, F. Bergmann, T. Hackert, W. Hartwig, O. Strobel, L. Schneider, B. Bundi, M.W. Büchler, J. Werner. Department of General and Visceral Surgery, University of Heidelberg, Germany; Department of Diagnostic and Interventional Radiology, University of Heidelberg, Germany; Institute of Pathology, University of Heidelberg, Germany

10:15 - 10:30 AM
REFRESHMENTS - KRUMLOVSKY ATRIUM

10:30 - 11:15 AM**FRANK BROOKS STATE OF THE ART LECTURE**

MECKLENBERG CONFERENCE ROOM

Introduction: Diane Simeone, MD

Approved
for 0.75 CME
credits**Obesity, Autophagy & Inflammation: Common Features in the Pathogenesis and Etiology of Liver and Pancreatic Cancers**

Michael Karin, PhD

University of California, San Diego

11:15 AM - 12:15 PM**ROBOTIC PANCREATIC SURGERY**

MECKLENBERG CONFERENCE ROOM

Moderators: Joe Hines, MD & Nipun Merchant, MD

Approved
for 1 CME
credit**Starting a New Program**

Rebecca Minter, MD

University of Michigan

Robotic Pancreatic Surgery: A Cautionary Tale

Paul Hansen, MD

University of Oregon

Robotic Assisted Major Pancreatic Resections: Why? How?**Who?**

Herb Zeh, MD

University of Pittsburgh Medical Center

12:15 - 2:15 PM**LUNCH & POSTER VIEWING**

KRUMLOVSKY ATRIUM

1:00 DISCUSSION OF POSTERS OF DISTINCTION

Discussion Leaders: Andrew Warshaw, MD & Vikas Dudeja, MD

Please meet at registration

2:15 - 3:40 PM

SCIENTIFIC SESSION 2: PANCREATITIS

MECKLENBURG CONFERENCE ROOM

Moderators: Anna Gukovskaya, PhD & Guy Groblewski, PhD

Featured Speaker: Miklos Sahin-Toth, MD, PhD

2:28 PM **Chymotrypsin C (CTRC) Mutants and Endoplasmic Reticulum Stress.** J. Zhou, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University, Boston, MA

2:40 PM **Activation of NFκB Pathway Is Independent of Trypsinogen Activation in Chronic Pancreatitis.** R.P. Sah, R. Dawra, A. Bekolay, V. Dudeja, A.K Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN.

2:52 PM **Management of Relapses after Initial Therapy of Autoimmune Pancreatitis.** P.A. Hart, S.T. Chari and the AIP Interest Group. Mayo Clinic Rochester, MN

3:04 PM **Vincristine Reduces L-Asparaginase Induced Acute Pancreatitis (AP) By Preventing Procathepsin B Trafficking and Trypsinogen Activation.** D. Yadav, H. Kim, L. S. Orlichenko, V. P. Singh. Department of Medicine, University of Pittsburgh, Pittsburgh, PA

3:16 PM **Clinical Relevance of Fine-Needle Aspiration in Necrotizing Pancreatitis.** MC van Baal, OJ Bakker, MG Besselink, HC van Santvoort, TE Deelman, TL Bollen, HG Gooszen, E van der Harst. Dutch Pancreatitis Study Group; Dept. Operating Room/Evidence Based Surgery, Radboud University Nijmegen Medical Centre, Nijmegen; Dept. of Surgery, University Medical Center, Utrecht; Dept. of Surgery, Maastad Hospital, Rotterdam; Dept. of Radiology, Antonius Hospital, Nieuwegein, the Netherlands

3:28 PM **Accuracy of EUS for Diagnosis of Minimal Change Chronic Pancreatitis (MCCP): Correlation with Histopathology in 50 Patients Undergoing Total Pancreatectomy (TP) with Islet Autotransplantation (IAT).** J. Vega-Peralta, C. Manive, R. Attam, M. Arain, J. Mallery, D. Radosevich, F. Khamis, M. Bellin, S. Chinnakotla, T. Dunn, A. Shaukat, G. Beilman, D. Sutherland, M. Freeman. Departments of Gastroenterology, Pediatrics, Surgery, University of Minnesota, MN

Thursday, 11/3

3:40 - 4:00 PM

REFRESHMENTS - KRUMLOVSKY ATRIUM

4:00 - 5:30 PM

TUMOR MICROENVIRONMENT

MECKLENBERG CONFERENCE ROOM

Moderators: Dafna Bar Sagi, PhD & Minoti Apte, MD, PhD



Targeting the Stroma in Pancreas Cancer

Sunil Hingorani, MD, PhD - Fred Hutchinson Cancer Research Center

EGFR Circuits in Pancreatic Tumorigenesis

Howard C. Crawford, PhD - Mayo Clinic, Jacksonville

Understanding & Targeting the Tumor Microenvironment in Neuroendocrine Tumors

Johanna Joyce, PhD - Memorial Sloan-Kettering

5:30 - 6:10 PM

YOUNG INVESTIGATOR PRESENTATIONS

MECKLENBERG CONFERENCE ROOM

Introduction: Rodger Liddle, MD

Kras in Pancreatic Cancer Progression and Maintenance

Marina Pasca di Magliano, PhD - University of Michigan

Facilitating Drug Delivery in Pancreatic Ductal

Adenocarcinoma

Ken Olive, PhD - Columbia University

7:00 - 10:00 PM

COCKTAIL RECEPTION & AWARDS DINNER

WYNDHAM GRAND BALLROOM

Presentation of Awards

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

Presentation of the Vay Liang & Frisca Go Award for Lifetime Achievement
Recipient: Andrew Warshaw, MD, Massachusetts General Hospital

7:30 AM - 6:00 PM

REGISTRATION - KRUMLOVSKY ATRIUM

7:30 - 8:30 AM

BREAKFAST & POSTER VIEWING

KRUMLOVSKY ATRIUM

8:30 - 9:55 AM

SCIENTIFIC SESSION 3: PANCREATITIS

MECKLENBURG CONFERENCE ROOM

Moderators: Vijay Singh, MD & Peter Hegyi, MD, PhD

8:30 AM **Combination of Alcohol and Smoking induce ER-Stress and Cell Death in Pancreatic Acinar Cells.** A. Gerloff, A. Lugea, S. Pandol. Pancreatic Research Group, Department of Veterans Affairs and University of California Los Angeles, Los Angeles, CA

8:42 AM **Cathepsin D Activates Cathepsin B and Is Therefore Required For Trypsin Activation in Pancreatic Acinar Cells.** A. Aghdassi, M. Sendler, C. Storck, T. Wartmann, W. Halangk, F.U. Weiss, M.M. Lerch, J. Mayerle. Department of Medicine A, University of Greifswald, 2Division of Experimental Surgery, University of Magdeburg, Germany

8:54 AM **Natural History after First-attack of Acute Pancreatitis (AP).** D. Yadav, M. O'Connell, G. Papachristou. University of Pittsburgh, Pittsburgh, PA

9:06 AM **Trypsin Activation Is Required for Intra-acinar Chymotrypsinogen Activation.** R. Dawra, R. Sah, A. Bekolay, V. Dudeja and A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN

9:18 AM **Endoscopic or Surgical Necrosectomy for Necrotizing Pancreatitis: a Randomized Controlled Multicenter Trial.** OJ Bakker, HC van Santvoort, S van Brunschot, RB Gekus, MG Besselink, TL Bollen, CH van Eijck, P Fockens, EJ Hazebroek, RM Nijmeijer, J-W Poley, B van Ramshorst, FP Vleggaar, MA Boermeester, H G Gooszen, BL Weusten, R Timmer for the Dutch Pancreatitis Study Group.

Friday, 1/14

Pancreatitis session cont.

9:30 AM Pigment Epithelium-Derived Factor (PEDF) Deficiency Accentuates Pancreatic Fibrotic Responses.
 P. Protiva, J. Schmitz, R. Hoque, T. Utsumi, Y. Iwakiri, A.G. Neto, A. Gattu, S.E. Crawford, C. Chung. Section of Digestive Diseases, Departments of Medicine and Surgery, VA CT, Yale University School of Medicine; NorthShore Research Institute, University of Chicago, Chicago, IL

9:42 AM Qualitative Magnetic Resonance Imaging (MRI/sMRCP) Features for Diagnosis of Chronic Pancreatitis: Covariates for a Clinical Prediction Model.
 D. L. Conwell, N.I. Sainani, V. Kadiyala, L.S. Lee, J. Rosenblum, J. Paulo, P.A. Banks, K. Morteale. Division of Gastroenterology, Endoscopy and Hepatology; Department of Radiology; Brigham and Women's Hospital, Harvard Medical School, Boston MA.

9:55 - 10:10 AM
REFRESHMENTS - KRUMLOVSKY ATRIUM

10:10 - 11:40 AM
NEW DIAGNOSTIC MODALITIES IN PANCREATIC CANCER

MECKLENBERG CONFERENCE ROOM

Moderators: Guido Eibl, MD & Carlos Fernandez-del Castillo, MD



Emerging Technologies in Molecular Imaging of Pancreatic Cancer

Kim Kelly, PhD - University of Virginia

Pancreatic Cancer: Biology and Diagnosis

Tony Hollingsworth, PhD - University of Nebraska

Diagnostic Imagine of Pancreatic Cancer - It's Time to Go From Bench to Bedside

Wael R. Abd El-Galiel, PhD - Methodist Hospital Research Institute

Utility of Circulating Tumor Cells in Pancreatic Cancer

David T. Ting, MD - Massachusetts General Hospital

11:40 AM - 12:10 PM

CLINICAL STATE OF THE ART LECTURE

MECKLENBERG CONFERENCE ROOM

Introduction: Diane Simeone, MD



Clinical Advances in the Treatment of Pancreatic Cancer

Margaret Tempero, MD

University of California, San Francisco

12:10 - 2:10 PM

LUNCH & POSTER VIEWING

KRUMLOVSKY ATRIUM

1:00 DISCUSSION OF POSTERS OF DISTINCTION

Discussion Leaders: Fred Gorelick, MD & Aida Habtezion, MD

Please meet at registration

2:10 - 2:40 PM

APA BUSINESS MEETING

MECKLENBERG CONFERENCE ROOM

President's Address

Diane Simeone, MD

Report from the Secretary-Treasurer

Ashok K. Saluja, PhD

Friday, 11/4

2:40 - 3:55 PM

CONCURRENT SESSIONS

**SESSION 1: STRESS RESPONSES IN PANCREATIC DISEASES**

MECKLENBERG CONFERENCE ROOM

Moderators: Martin Fernandez Zapico, MD & Ashok K. Saluja, PhD

Autophagy and Pancreatic Cancer

Alec Kimmelman, MD, PhD - Dana-Farber Cancer Institute

Pancreatic Acinar Cells Multifaceted Responses to Stresses from Within and Without

Craig Logsdon, PhD - UT MD Anderson Cancer Center

ER stress in Pancreatitis

Rodger Liddle, MD - Duke University Medical Center

Friday, 11/4

SESSION 2: CLINICAL CASE CONTROVERSIES

PRITZKER AUDITORIUM

Moderator: Marty Freeman, MD

**Pancreas Divisum and Pancreatitis - Cause or Coincidence?****Cause** - Joe Romagnuolo, MD - MUSC**Coincidence** - Suresh Chari, MD - Mayo Clinic**Maybe** - Nalini Guda, MD - University of Wisconsin**3:55 - 4:10 PM**

REFRESHMENTS - KRUMLOVSKY ATRIUM

4:10 - 6:00 PM

SCIENTIFIC SESSION 4: PANCREATIC CANCER

MECKLENBURG CONFERENCE ROOM

Moderators: Masao Tanaka, MD, PhD & Sarah Thayer, MD, PhD

Featured Speaker: Murray Korc, MD

4:24 PM **The Second Most Common PRSS1 Haplotype Lowers Trypsin Expression and Reduces Pancreatitis Risk.** J LaRusch, L Orlichenko, V Singh, D C Whitcomb. University of Pittsburgh, Department of Medicine

4:36 PM **Serum Osteopontin and TIMP-1 as Diagnostic and Prognostic Biomarkers for Pancreatic Adenocarcinoma.** K.E. Poruk, M.A. Firpo, C.L. Scaife, D.G. Adler, L.L. Emerson, K.M. Boucher, S.J. Mulvihill. Departments of Surgery; Internal Medicine; Pathology; and Oncological Sciences, University of Utah School of Medicine, and Huntsman Cancer Institute, Salt Lake City, UT

4:48 PM **Phosphatidylinositol (3,5)-bisphosphate Negatively Regulates Pancreatic Acinar Cell Secretion and Enhances Trypsinogen Activation.** S.W. Messenger, D.D.H. Thomas, G.E. Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI

5:00 PM **Systematic Detection of Transcriptomic Aberrations in Pancreatic Cancer by High-throughput Sequencing.** C. K.-Sinha, S. Shankar, L. Ma, D. R. Robinson, S. K.-Sundaram, C. S. Grasso, M. Quist, R. J. Lonigro, I. A. Asangani, X. Cao, Y.-M. Wu, S. Laurinec, J. Siddiqui, T. J. Giordano, D. Simeone, A. M. Chinnaiyan. Michigan Center for Translational Pathology, Department of Pathology, Surgery, Urology, Comprehensive Cancer Center, Howard Hughes Medical Institute, University of Michigan Medical School, Ann Arbor, MI

5:12 PM **Proteomic Forecast of Postoperative Prognosis of Pancreatic Cancer using Formalin-Fixed Paraffin-Embedded Tissue.** T. Takadate, T. Onogawa, F. Motoi, T. Morikawa, S. Maeda, K. Nakagawa, T. Rikiyama, Y. Katayose, S. Egawa, M. Unno. Department of Surgery, Graduate School of Medicine, Tohoku University, Sendai, Japan

Friday, 11/4

Pancreatic Cancer Session cont.

5:24 PM **S100A2 and S100A4 as Prognostic and Predictive Biomarkers in Patients Receiving Adjuvant Therapy for Pancreatic Cancer (PC): a Secondary Analysis of RTOG 9704.** M. Tempero, J. Moughan, G.E. Kim, S. Kakar, T.S. Hyun, W.F. Regine, R.A. Mowat, K.P. Charpentier, W. Small, Jr., C. Guha, D. K. Chang, A.V. Biankin. University of California San Francisco, San Francisco, CA; RTOG Statistical Center, Philadelphia, PA; University of Maryland Medical Systems, Baltimore, MD; Toledo Community Hospital Oncology Program CCOP, Toledo, OH; Alpert Medical School, Brown University, Providence, RI; The Robert H. Lurie Comprehensive Cancer Center of Northwestern University Hospital, Chicago, IL; Montefiore Medical Center, Bronx, NY; Garvan Institute of Medical Research, Darlinghurst, Sydney, NSW, Australia

5:36 PM **Epithelial to Stromal Redistribution of Primary Cilia during Pancreatic Carcinogenesis.** O. Strobel, S. Kneller, N. Dadabaeva, J. Werner. Department of General Surgery, University Hospital of Heidelberg, Heidelberg, Germany

5:48PM **Cerulein Hyperstimulation Decreases Amp-Dependent Protein Kinase Levels At the Site of Maximal Zymogen Activation.** C. Shugrue, M. Alexandre, A. Diaz de Villalvilla, E. Thrower, F. Gorelick. Department of Internal Medicine, Section of Digestive Diseases, Department of Cell Biology, Veterans Administration Connecticut Healthcare, West Haven and Yale University School of Medicine, New Haven, CT

6:00 - 7:30 PM
COCKTAIL RECEPTION
 WYNDHAM GRAND BALLROOM

7:00 AM - 1:00 PM

REGISTRATION - KRUMLOVSKY ATRIUM

7:00 - 9:00 AM

BREAKFAST & POSTER VIEWING

KRUMLOVSKY ATRIUM

7:45 DISCUSSION OF POSTERS OF DISTINCTION

Discussion Leaders: John Williams, MD, PhD &

Sohail Husain, MD

Please meet at registration

9:00 - 9:40 AM

STATE OF THE ART LECTURE

MECKLENBERG CONFERENCE ROOM

Introduction: Diane Simeone, MD

Familial Pancreatic Cancer

Gloria Petersen, PhD

Mayo Clinic

9:40 - 11:40 AM

SCIENTIFIC SESSION: PANCREATIC CANCER

MECKLENBURG CONFERENCE ROOM

Moderators: Jill Smith, MD & Phoebe Phillips, PhD

Featured Speaker: Dafna Bar Sagi, PhD

9:52 AM **Stroma Predicts Response to Vaccine-based Immunotherapy for Pancreatic Cancer.** K.M.Bever, E. Bigelow, A. Yager, K. Pham, B.H.Edil, R.A.Anders, E.Sugar, D.Laheru, A. De Jesus, E.M.Jaffee, L. Zheng. Departments of Oncology, Surgery, Pathology, Johns Hopkins University School of Medicine and School of Public Health, Baltimore, MD

10:04 AM **HIF2 α , A Key Player in Kras-Mediated Pancreatic Neoplasia.** A. Criscimanna, J. Speicher, and F. Esni. Department of Surgery; University of Pittsburgh, Pittsburgh, PA

Saturday, 11/5

Pancreatic Cancer Session cont.

10:16 AM **Follow-up Study after Resection of Intraductal Papillary Mucinous Neoplasm of the Pancreas; Special References to the Multifocal Lesions and Development of Ductal Carcinoma in the Remnant Pancreas.** T. Ohtsuka, H. Kono, Y. Nagayoshi, Y. Mori, N. Ideno, T. Aso, S. Takahata, M. Nakamura, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

10:28 AM **Sirt1 Targets Critical Regulators of the Acinar Cell Programme during Acinoductal Metaplasia.** E. Wauters, V. Sanchez-Arevalo Lobo, A. Vaqueirinho Pinho, E. Colvin, R. Sutherland, M. Serrano, L. Bouwens, F.X. Real, A.V. Biankin, I. Rooman. Cancer Research Program, Garvan Institute of Medical Research, Sydney, Australia; Diabetes Research Center, VUB, Brussels, Belgium; Programa de Patología Molecular Programa de Oncología Molecular, CNIO, Madrid, Spain

10:40 AM **Acinar-specific Xbp1 Ablation Triggers Apoptosis and Coordinate Acinar/Centroacinar Regeneration in the Adult Murine Pancreas.** 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

10:52 AM **Periampullary Cancer ESPAC-3(v2) trial: a Randomised Controlled Phase III Trial of Adjuvant Chemotherapy Versus Observation in Patients With Periampullary Adenocarcinomas of the Head of the Pancreas.** J. Neoptolemos, M. Moore, T. Cox, J. Valle, D. Palmer, A. McDonald, R. Carter, N. Tebbutt, C. Dervenis, D. Smith, B. Glimelius, F. Coxon, F. Lacaine, M. Middleton, P. Ghaneh, C. Bassi, C. Halloran, A. Olah, C. Rawcliffe, M. Büchler. Liverpool University, UK; Princess Margaret, Toronto, Canada; Christie, Manchester, UK; Birmingham University, UK; Glasgow Royal Infirmary, UK; Austin Hospital, Heidelberg, Australia; Aiga Olga, Athens, Greece; University Hospital, Uppsala, Sweden; Northern Cancer Centre, Newcastle upon Tyne, UK; Hospital Tenon, Paris, France; Radcliffe Hospitals, Oxford, UK; Verona University, Italy; Petz Aladar Hospital, Hungary; Heidelberg University, Germany.

11:04 AM **CCK-stimulated PKC α Activation induces GDI Phosphorylation at Ser34 which Is Required for Dissociation of RhoA and Amylase Secretion.** M. E. Sabbatini and J. A. Williams. Dept of Mol & Integrat Physiol, Univ of Michigan, Ann Arbor, MI

11:16 AM **Detection of Pancreatic Cancer Tumors and Precursor Lesions Using Cathepsin E Activity.** Z. Cruz-Monserrate, W. R. Abd-Elgaliel, D. Deng, B. Ji, T. Arumugam, C. Tung, C.D. Logsdon. Department of Cancer Biology, UT M.D. Anderson Cancer Center, Houston, TX, USA. Department of Radiology, Methodist Hospital Research Institute, Weill Cornell Medical College, Houston, TX

11:28 AM **Analysis of Hereditary Pancreatitis Families in Europe (EUROPAC): Incidence of PRSS1 Associated Pancreatic Adenocarcinoma Does Not Correlate To Symptoms of Pancreatitis.** JA Nicholson, S Harrison, R Sutton, A Rousseau, R Mountford, P Hammel, V Rebours, J Mayerle, R Charnley, JP Neoptolemos, M Lerch, W Greenhalf. NIHR Pancreas Biomedical Research Unit, Liverpool, UK; Liverpool Regional Genetics Laboratory, Liverpool, UK; Hôpital Beaujon, Clichy, France; Klinikum der Ernst-Moritz-Arndt-Universität, Greifswald, Germany; Freeman Hospital, Newcastle-upon-Tyne, UK

11:50 AM - 1:00 PM

RISK FACTORS FOR PANCREATIC DISEASES

MECKLENBERG CONFERENCE ROOM

Moderator: Miklos Sahin-Toth, MD, PhD & Matthew DiMagno, MD

Alcohol Abuse and Smoking Promote Pancreatic Disease Through ER Stress

Stephen J. Pandol, MD - UCLA

Smoking and Pancreatic Cancer

Surindar Batra, PhD - University of Nebraska



Hereditary Pancreatitis

David Whitcomb, MD, PhD - UPMC

Saturday, 11/5

End of Program

42nd Annual Meeting of the *American Pancreatic Association* November 2-5

POSTER SESSIONS

THURSDAY, NOVEMBER 3

7:00 AM - 6:00 PM POSTER SESSION 1

KRUMLOVSKY ATRIUM

Posters P1:1-12 Posters of Distinction

Thursday, 11/3

P1 - 1

Survival Benefit after R0 Resection of Pancreatic Adenocarcinoma Is Largely Seen in Patients with Tumor Size ≤ 35 mm and ≤ 1 Involved Lymph Node. P. Tummala, T. Howard, B. Agarwal. Department of Internal Medicine, Division of Gastroenterology and Hepatology, Saint Louis University School of Medicine; Missouri Baptist Medical Center, St. Louis, MO.

P1 - 2

Maximizing Islet Yield from Pancreata with Chronic Pancreatitis for Use in Islet Auto-Transplantation Requires a Modified Strategy from Islet Allograft Preparations. A.N. Balamurugan, M.D. Bellin, K.K. Papas, T.B. Dunn, S.M. Vickers, S. Chinnakotla, T.L. Pruett, G.J. Beilman, B.J. Hering, D.E.R. Sutherland. Schulze Diabetes Institute, Department of Surgery, University of Minnesota, Minneapolis, MN.

P1 - 3

Clinical Relevance of Chymotrypsin C (CTRC) Mutations in Chronic Pancreatitis. S. Beer, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University, Boston, MA.

P1 - 4

A Novel Transgenic Zebrafish Model for Studying Secretion in the Exocrine Pancreas. N. Behrendorff, J. Behrendorff, A. Wall, E. Scott, P. Thorn. School of Biomedical Sciences, University of Queensland, School of Chemistry and Molecular Biosciences, Institute for Molecular Biosciences, University of Queensland, Australia .

P1 - 5

The Impact of CFTR Mutations and Genetic Testing on Life Insurance Premiums. A. Brown. Department of Medicine, Division of Gastroenterology, The Beth Israel Deaconess Medical Center, Boston, MA.

P1 - 6

ATDC Synergizes With Oncogenic Kras to Induce Invasive Pancreatic Adenocarcinoma in Transgenic Mice. L. Wang, F. Bednar, H. Yang, G.M. Ney, Pasca di Magliano, M. and D.M. Simeone. Department of Surgery, University of Michigan, Ann Arbor, MI.

P1 - 7

Blockage of CTLA-4 Indicates that Autoimmune Pancreatitis is a T-Cell Mediated Disease Responsive to Ciclosporin A and Rapamycin Treatment. J Mayerle, T Schwaiger, S Zaatreh, J Emmrich, B Fitzner, A Dummer, C van den Brandt, H Nizze, M Evert, Tsalem, MM Lerch, R Jaster. Department of Medicine A, Ernst-Moritz-Arndt Universität Greifswald, Germany; Department of Medicine II, Division of Gastroenterology, University of Rostock, Rostock; Institute of Pathology, University of Rostock, Rostock, Germany; Institute of Pathology, Ernst-Moritz-Arndt Universität Greifswald, Germany.

P1 - 8

Is the Lack of Insulin Signaling on Pancreatic Acinar Cells the Cause of Pancreatic Insufficiency in Diabetes? M.D. Sans, R.K. Amin, N.L. Vogel, L.G. D'Alcey, and J.A. Williams. Department of Molecular and Integrative Physiology, University of Michigan, Ann Arbor, MI.

P1 - 9

A Multi-center Study of a MicroRNA-based Assay for the Diagnosis of Pancreatic Ductal Adenocarcinoma in Fine Needle Aspirates. A.E. Szafranska-Schwarzbach, D.C. Whitcomb, M.B. Lloyd, A.T. Adai, M.S. Sanders, R.E. Brand, L.S. Lee, D.L. Conwell, G. Rateb, C. Menard, J.A. Morisset, S. Vignesh, B. Centeno, M. Hartleb, A. Wiechowska-Kozłowska, L. Stefanczyk, C.L. Lefferts, G.J. Tsongalis, S. Hahn, B.F. Andruss. Asuragen Inc., Austin, TX; University of Pittsburgh Medical Center, Pittsburgh, PA; Brigham and Women's Hospital, Boston, MA; University of Sherbrooke, Fleurimont, QC; Moffitt Cancer Center & Research Institute, Tampa, FL; Silesian Medical University, Katowice, Poland; Hospital of the Ministry of Internal Affairs and Administration, Szczecin, Poland; Medical University of Łódź, Poland; Dartmouth Hitchcock Medical Center, Lebanon, NH; Ruhr University of Bochum, Germany.

P1 - 10

Protein C Inhibitor (Serp1n A5) in ePFT Collected Pancreas Fluid (PF): A Potential Biomarker of Chronic Pancreatitis (CP). D.L. Conwell, J.A. Paulo, L.C. Lee, P.A. Banks, H. Steen. Division of Gastroenterology, Endoscopy and Hepatology, Brigham and Women's Hospital; Department of Pathology, Children's Hospital Boston; Harvard Medical School, Boston MA.

P1 - 11

Pancreatic Duct Glands (PDG) Are the Origin of Gastric-Type IPMN. J. Yamaguchi, M. Mino-Kenudson, A.S. Liss, C. Fernández-del Castillo, A.L. Warshaw, S.P. Thayer. Warshaw Institute & Departments of Surgery and Pathology, Massachusetts General Hospital and Harvard Medical School, Boston, MA.

P1 - 12

Triptolide Mediated Downregulation of HSP70 in Pancreatic Cancer Is Modulated By Altered O-GlcNAc Modification Of Transcription Factor Sp1. S. Banerjee, V. Sangwan, S. M Vickers and A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

Thursday, 11/3

P1 - 13

Muc1-c Regulates Cell Survival in Pancreatic Cancer by Preventing Lysosomal Permealization. S. Banerjee, N. Mujumder, V. Sangwan, S. M Vickers and A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

P1 - 14

Triptolide Activates Unfolded Protein Response in Pancreatic Cancer Cells. N. Mujumdar, S. Banerjee, T. MacKenzie, V. Sangwan, S. Vickers and A.K. Saluja. Division of Basic and Translational Research, Department of Surgery, Department of Pharmacology, University of Minnesota, Minneapolis, MN.

P1 - 15

Efficacy of a Blake DrainR on Pancreatic Fistula after Pancreaticoduodenectomy. T. Aimoto, E. Uchida, Y. Nakamura, K. Yamahatsu, A. Matsushita, A. Katsuno, K. Cho, M. Kawamoto. Department of Surgery, Nippon Medical School, Tokyo, Japan.

P1 - 16

Primary and Secondary Sarcoma of the Pancreas: Is Radical Surgery Justified? A. Alexander, A. Rehders, M. Ghadimi, K. Cupisti, J. Schulte am Esch, W.T. Knoefel. Dept. of Surgery, Heinrich-Heine-University Düsseldorf, Germany.

P1 - 17

A Population-Based Evaluation of Severity among Transferred Patients with Acute Pancreatitis. G Anand, S Hutfless, M Khashab, AM Lennon, M Makary, K Hirose, D Andersen, A Kalloo, V Singh. Pancreatitis Center, Division of Gastroenterology, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD.

P1 - 18

Targeting Gemcitabine Resistance in Pancreatic Cancer - Basal and Acquired. T Arumugam, V Ramachandran, T Fujii, H Haojie, RF Hwang, H Wang, W Choi, DJ McConkey, CD Logsdon. Dept. of Cancer Biology, Surgical Oncology, Pathology, Urology, UT MD Anderson Cancer Center, Houston, TX.

P1 - 19

Drug-eluting Microparticles for the Treatment of Pancreatic Cancer: Preliminary in vivo Results. A. Asgharpour, M.Ganesh, A. Gooding, A. Stanek, S. Andrawes, I. Danishpajoo, R. Gross, F. Gress, L. Martello-Rooney. Division of Gastroenterology & Hepatology; Dept of Surgery; Dept of Medicine; SUNY Downstate Medical Center, Brooklyn, NY; NYU Polytechnic Institute, Brooklyn, NY.

P1 - 20

Endoscopic Placement of Permanent Indwelling Transmural Stents in Disconnected Pancreatic Duct Syndrome: Does Benefit Outweigh the risks? JY Bang, CM Wilcox, S Varadarajulu. Division of Gastroenterology-Hepatology, University of Alabama at Birmingham, Birmingham, AL.

P1 - 21

Epithelial-Mesenchymal Transition Mediates the Aggressiveness of Pancreatic Ductal Adenocarcinoma. F. Bednar, M. Goto, M. Hynes, M. Pasca diMagliano, D.M. Simeone. Departments of Surgery, Cell and Developmental Biology, and Molecular and Integrative Physiology, University of Michigan, Ann Arbor, MI.

P1 - 22

Inhibition of GSK3 Activity Promotes Autophagy in Pancreatic Epithelial Cells. B. Marchand and M.-J. Boucher. Gastro Unit, Dept. of Medicine, FMSS, University of Sherbrooke, Sherbrooke, Canada.

P1 - 23

Relationship Between Exocrine Pancreas and Small Intestine L-glutamine and L-glutamate Transport. C. Lutz, L. Mariotta, K. Huggel, B. Herzog, F. Verrey, T. R. Graf, R. Graf, T. Lahoutte, S.M.R. Camargo. Institute of Physiology and ZIHP, University of Zurich, Zurich, Switzerland; Department of Surgery, University Hospital Zurich, Zurich, Switzerland; ICMI, Vrije Universiteit Brussel, Brussels, Belgium.

P1 - 24

Glycolytic Regulation of Calcium Homeostasis in Pancreatic Cancer. A. Chan, A.K. Siriwardena, J. Bruce. Faculty of Life Sciences, University of Manchester, Manchester, UK; Department of HPB Surgery, Manchester Royal Infirmary, Oxford Road, Manchester, UK.

P1 - 25

Eicosapentaenoic Acid Induces Apoptosis through an Akt-dependent Pathway in Pancreatic Cancer Cells. C. Chen, J.L. Park, H. Takahashi, P. Srihari, H.A. Reber, O. J. Hines, V.L.W. Go, G. Eibl. Department of Surgery, UCLA Center of Excellence in Pancreatic Diseases, David Geffen School of Medicine at UCLA, Los Angeles, CA.

P1 - 26

Management of Insulinomas: Perioperative and Long-term Outcomes in 198 Patients. S. Crippa, A. Zerbi, L. Boninsegna, V. Capitanio, Balzano, P. Pederzoli, V. Di Carlo, M. Falconi. Department of Surgery, University of Verona, Verona, Italy; Department of Surgery, Ospedale Sacro Cuore Don Calabria, Negrar (VR), Italy; Department of Surgery, San Raffaele Hospital, Milan, Italy.

P1 - 27

Pattern and Clinical Predictors of Lymph Node Involvement in Neuroendocrine Neoplasms of the Pancreas. S Partelli, R Cherif, L Boninsegna, S Gaujoux, S Crippa, A Couvelard, A Scarpa, A Sauvanet, P Ruszniewski, M Falconi. Departments of Surgery and Pathology - University of Verona, Verona, Italy; Department of HPB Surgery – PMAD, Departments of Pathology and Gastroenterology - Hopital Beaujon - Clichy - AP-HP, France.

P1 - 28

In Severe Acute Pancreatitis (SAP) Without Chronic Kidney Disease (CKD), Increasing Cumulative 24h IV Fluids (IVF) Correlates with Falling BUN, Less Organ Failure and Complications (POF/LC) and Shorter Hospitalization (LOS). S Gupta, J Spaete, N Ahuja, R Rizk, L Napolitano, R Hyzy, J Desmond, EJ Wamsteker, MJ DiMagno. Med, Surg, Emerg. U of Michigan, Ann Arbor, MI.

P1 - 29

Triptolide Induces Cell Death of Pancreatic Cancer Cells by Inhibition of JAK-2/STAT-3 Signaling. G. Beyer, V. Dudeja, S. Banerjee, V. Sangwan, N. Mujumdar, T.N. Mackenzie, R.K. Dawra, S.M. Vickers, A.K. Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN.

P1 - 30

Contemporary Retrospective Review of Open Pancreatic Debridements - How Are We Doing? M. Michailidou, G. Chiou, C. Fernandez-del Castillo, P. Fagenholz. Department of Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA.

P1 - 31

Assessment of Tissue Lysosomal Membrane Permeability in Acute Pancreatitis. F Fortunato, H Gu, MW Büchler, J Werner. Department of Surgery, University Clinic Heidelberg, Germany.

P1 - 32

Role for apelin in Pancreatic Fibrosis. S.Han, E.W. Englander, C. Rastellini, T.C. Ko, Y. Cao, G. Gomez, M.R. Hellmich, C. Chao, J.F. Aronson, T. Quertermous, R. Kundu, G.H. Greeley Jr. Departments of Surgery and Pathology, University of Texas Medical Branch, Galveston, TX; Department of Surgery, The University of Texas Medical School at Houston, Houston, TX; Department of Medicine – Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA.

P1 - 33

A Five-Marker Panel of Glycoforms for the Accurate Differentiation of Malignant from Benign Pancreatic Disease . K.A. Maupin, B. Fallon, K. Partyka, W. Tembe, K. Kaul, Z. Feng, A.J. Moser, H. Zeh, M.A. Anderson, D. Simeone, R.E. Brand, B.B. Haab. Van Andel Research Institute, Grand Rapids, MI; Translational Genomics Institute (TGen), Phoenix, AZ; Northshore University Health System, Evanston, IL; Biostatistics Program, Fred Hutchinson Cancer Research Center, Seattle, WA; Department of Gastroenterology, University of Pittsburgh, Pittsburgh, PA; Department of Surgery, University of Michigan Medical School, Ann Arbor, MI.

P1 - 34

The Intracellular Side of Pancreatic Cancer-Stellate Cell Interaction. H. Habisch, S. Zhou, M. Siech, T. Seufferlein, M. Bachem. Department of Clinical Chemistry, University Hospital Ulm, Germany.

P1 - 35

Reduction of clinical relevant pancreatic fistula rate by additional coverage of the pancreatic remnant after distal pancreatectomy. M Hassenpflug, U Hinz, T Hackert, W Hartwig, O Strobel, MW Büchler, J Werner. Department of General Surgery, University of Heidelberg, Germany

P1 - 36

CA19-9 as a Predictor of Resectability in Patients with Pancreatic Cancer. Z. He, H. Lu, W. Hu, B. Tian, Z. Zhang. Department of Hepato-bilio-pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, Sichuan Province, China.

P1 - 37

Pancreaticocolonic Fistulae – Frequency, Presentation, and Management. Z. Heeter, E. Hauptmann, M. Gluck. Virginia Mason Medical Center, Seattle, WA.

P1 - 38

External Pancreatic Fistulas in Patients with Disconnected Pancreatic Gland Syndrome – Rendezvous Treatment to Avoid Surgery. S. Irani, M. Gluck, A. Ross, J. Brandabur, SI Gan, R. Crane, E. Hauptman, M. Fotoohi, R. Kozarek. Digestive Disease Institute, Virginia Mason Medical Center, Seattle, WA.

P1 - 39

A Novel Mouse Model to Study the Importance of Mist1-dependent Transcriptional Regulation in Pancreatic Acinar Cells. A. Karki, S. Humphrey, D. DiRenzo, Y. Sun and S. Konieczny. Department of Biological Sciences and the Purdue Center for Cancer Research, Purdue University, West Lafayette, IN.

P1 - 40

Semaphorin 4D, Acting through Plexin-B1 and CD72, Exerts Autocrine Promalignant Effects in Pancreatic Cancer. D. Koliogiannis, M. Müller, N. Giese, A. Heller, T. Giese, J. Werner. Department of Surgery, University Hospital of Heidelberg, Germany; Department of Surgery, Hospital of Bad Canstatt, Stuttgart, Germany.

P1 - 41

HNF1A-mediated MIA2 Expression Regulates Metabolism of Pancreatic Cancer and Affects Response to Chemotherapy. B. Kong, C. W. Michalski, W. Wu, C. Tosolini, N. Valkovska, M. Erkan, H. Friess and J. Kleeff. Department of Surgery, Technische Universität München, Munich, Germany.

P1 - 42

Comparison of CT and EUS to Differentiate Pseudocyst from Walled-off Pancreatic Necrosis. N. Kumar, V. Sahni, C. Thompson. Division of Gastroenterology & Department of Radiology, Brigham & Women's Hospital, Boston, MA.

P1 - 43

HER2 Mediated MUC4 expression and role of MUC4-HER3 interaction in Pancreatic Cancer Proliferation. I. Lakshmanan, M.P. Ponnusamy, V.S. Gnanapragassam, P. Seshacharyulu, S. K. Batra. Department of Biochemistry and Molecular Biology, Eppley Institute for Research in Cancer and Allied Diseases, Department of Pathology, University of Nebraska Medical Center, Omaha, NE.

P1 - 44

Next Generation Sequencing Identifies Multiple, Complex Etiologies In An Idiopathic Hereditary Pancreatitis Kindred. J LaRusch, MM Barmada, S Solomon, DC Whitcomb. University of Pittsburgh, Department of Medicine, Pittsburgh, PA.

P1 - 45

Large Pancreatic Cystic Neoplasms are Not Associated with Current Biomarkers of Malignancy. L.S. Lee, V. Kadiyala, S. Mehta, P.A. Banks, D. Conwell. Center for Pancreatic Diseases, Brigham and Women's Hospital, Boston, MA.

P1 - 46

Bi-shRNAPDX-1 Targeting PDX-1 Therapy Suppresses Tumor Growth and Prolongs Survival in a Human Pancreatic Cancer Mouse Model. S.Liu, Z. Wang, K.M. Stehling, D.D. Rao, G. Zhou, P.B. Maples, J. Nemunaitis, W. Fisher, F.C. Brunnicardi. Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston TX; Gradalis, Inc, Dallas, TX; Mary Crowley Cancer Research Center, Dallas, TX.

P1 - 47

The Novel Sterol Guggulsterone Modulates Novel microRNAs Targeting MUC4 Expression in Pancreatic Cancer Cells. M. A. Macha, S. Rachagani, S. Chakraborty, M. P. Torres, M. P. Ponusamy, and S. K. Batra. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE.

P1 - 48

Loss of Expression of the SWI/SNF Chromatin Remodeling Subunit BRG1/SMARCA4 Is Frequently Observed in Intraductal Papillary Mucinous Neoplasms (IPMNs) of the Pancreas. M. Dal Molin, S. Hong, S. Hebbar, R. Sharma, F. Scrimieri, R.F. de Wilde, S.C. Mayo, M. Goggins, C.L. Wolfgang, R.D. Schulick, M. Lin, J.R. Eshleman, R.H. Hruban, A. Maitra, H. Matthaei. The Sol Goldman Pancreatic Cancer Research Center, Departments of Pathology, Surgery, Oncology, Medicine, The Johns Hopkins University, Baltimore, USA; Department of General, Visceral, Thoracic, and Vascular Surgery, University of Bonn, Germany.

P1 - 49

Lysosomal Dysfunction in Pancreatitis. O.A. Mareninova, I. Yakubov, I. Gukovsky, A.S. Gukovskaya. VA Greater Los Angeles Healthcare System & University of California Los Angeles; and Southern California Research Center for ALPD and Cirrhosis, Los Angeles, CA.

P1 - 50

Human Pancreatic Cancer Cell Lines Derived from Metastatic Tumor in NOG Mice Possesses High-stemness Ability. Y. Matsuda, K. Yamahatsu, J. Ueda, K. Kawahara, M. Akiyama, M. Hagio, Z. Naito, T. Ishiwata. Departments of Pathology and Integrative Oncological Pathology, Nippon Medical School, Surgery for Organ and Biological Regulation, Graduate School of Medicine, Nippon Medical School.

P1 - 51

Neuropilin-1 Is an Important Therapeutic Target in Pancreatic Cancer. A. Matsushita, T. Götze, M. Kawamoto, Y. Nakamura, T. Aimoto, T. Ishiwata, Z. Naito, E. Uchida, M. Korc. Department of Surgery, Nippon Medical School, Tokyo, Japan; and Departments of Medicine, and Pharmacology and Toxicology, Dartmouth Medical School, Hanover, NH.

P1 - 52

Pancreatic Cancer-Selective Adenovirus with Redesigned AB-loop Isolated via Adenovirus Library Shows Specificity to Mesothelin Expressing Cells. Y. Miura, J. Davydova, M. Yamamoto. Department of Surgery, University of Minnesota, Minneapolis, MN.

P1 - 53

Nicotine Enhances the Metastasis of Pancreatic Cancer via MUC4 Mucin Up-regulation. N. Momi, M.P. Ponnusamy, S.K. Batra. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE.

P1 - 54

Utility of EUS-FNAB in the Diagnosis of Cystic Pancreatic Endocrine Neoplasms. V. Morales-Oyarvide, T. Ingkakul, V. Deshpande, D.G. Forcione, W.R. Brugge, C. Fernández-del Castillo, M.B. Pitman, Departments of Surgery; Pathology; and Gastroenterology Unit, Massachusetts General Hospital, Harvard Medical School, Boston, MA.

P1 - 55

Preliminary Study for Detection of Pancreatic Cancer Using the Duodenal Juice. Y. Mori, T. Ohtsuka, H. Kono, N. Ideno, T. Aso, Y. Nagayoshi, K. Ohuchida, S. Takahata, M. Nakamura, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1 - 56

The Mechanisms of Ethanol Induced Fractalkine Release in Chronic Pancreatitis. T. Nakamura, T. Ito, M. Uchida, M. Hijioka, Y. Niina, N. Fujimori, T. Oono, H. Igarashi, R. Takayanagi, Department of Medicine and Bioregulatory Science, Kyushu University, Fukuoka, Japan.

P1 - 57

Analysis of PRSS1 Transgenic Mice Prone to Pancreatitis Reveals that Apoptosis Is the Predominant Mode of Acinar Cell Death. W. Huang, R. Mukherjee, J.P. Neoptolemos, R. Sutton, N. Vlatković. Institute for Translational Medicine, University of Liverpool, Liverpool, UK.

P1 - 58

An In-silico Study of the Heparin Interactome in Pancreatic Disease. Q Nunes, B Lane, R Sutton, D Fernig, O Vasieva. Liverpool NIHR Pancreas Biomedical Research Unit, Liverpool, United Kingdom; Institute of Integrative Biology, University of Liverpool, Liverpool, UK.

P1 - 59

Two-phase Indirect Pancreatic Function Tests for Individual Enzyme Replacement Therapy. A. Pap. National Institute of Oncology, Budapest, Hungary.

P1 - 60

CEA & Long-Term Follow-up of Mucinous Cystic Neoplasms (MCN). M. Patel, M. Othman, T. Woodward, M. Wallace, J. Stauffer, H. Asbun, M. Raimondo. Divisions of Gastroenterology & Surgery, Mayo Clinic, FL.

P1 - 61

No Effect of Drugs that Reduce Gastric Acid Production on the Efficacy of CREON® in Randomized Trials of Patients With Exocrine Pancreatic Insufficiency. P. Pollack, S. Sander-Struckmeier, K. Beckmann, G. Janssen-van Solingen. Abbott, Chicago, IL, USA; Hannover, Germany; Allschwil, Switzerland.

P1 - 62

Anti-Inflammatory Macrophages Activate Invasion in Pancreatic Adenocarcinoma by Increasing the MMP-9 and ADAM-8 Expression. P. Puolakkainen, H. Seppänen, H. Mustonen, S. Vainionpää, Z.H. Shen, H. Repo, E. Kempainen. Department of Surgery, Helsinki University Central Hospital, Department of Bacteriology and Immunology, University of Helsinki, The Hartmann Institute, Helsinki, Finland.

P1 - 63

Using In Vivo Phage Display to Identify Non-VEGF Mediated Tumor Angiogenic Proteins. M.E. Seaman, K.A. Kelly. Department of Biomedical Engineering, University of Virginia, Charlottesville, VA.

P1 - 64

Inhibition of Tumour Growth in a Pancreatic Cancer Xenograft Model by AT13387, an HSP90 Inhibitor. E. Shaw, A. Thomas, P. Ghaneh, W. Greenhalf, M. Davies, E. Costello, F. Gibbs, J. Lyons, J.P. Neoptolemos, D.R. Sibson. Department of Molecular and Clinical Cancer Medicine, Institute of Translational Medicine, University of Liverpool, Liverpool, UK; Astex Therapeutics, Cambridge, UK.

P1 - 65

ARF-1 Regulates Trypsinogen Activation via Procathepsin B Trafficking and Autophagic Maturation during Caerulein Pancreatitis. L. Orlichenko, D. Stolz, J. Behari, S. Liu, V. Singh. Departments of Medicine, Cell Biology and Physiology, University of Pittsburgh, PA.

P1 - 66

Genomic Alterations of Single Disseminated Tumor Cells (DTC) Isolated From Patients With Operable Pancreatic Ductal Adenocarcinoma (PDAC). N.H. Stoecklein, A.C. Vaerst, W.T. Knoefel, Department of General, Visceral and Pediatric Surgery, University Hospital Duesseldorf, Duesseldorf, Germany.

P1 - 67

Eps8 Modulation of Integrin-Dependent Pancreatic Cancer Invasion. J Tod, M Chrzan, V Jenei, D Fine, G Thomas. Experimental Pathology Group, University of Southampton School of Medicine.

P1 - 68

The G12D Mutation of KRAS Predicts Early Recurrence and Poor Overall Survival in Ampullary Adenocarcinoma. N.P. Valsangkar,* T. Ingkakul,* C. Correa-Gallego,* A.L. Warshaw, C. Fernández-Del Castillo, A.S. Liss, S.P. Thayer. General and GI Surgery, Warshaw Institute, Massachusetts General Hospital, Harvard Medical School. Boston, MA.

P1 - 69

Influence of Early Oral Refeeding on Serum Triglyceride in Patients with Mild Acute Pancreatitis. M.H. Wan, J. Li, G.J. Xue, Y.L. Liu, X.L. Zhao, G.Y. Chen, W. Huang, W.F. Tang. Pancreatic Diseases Research Group, Department of Integrated Traditional and Western Medicine, West China Hospital, Sichuan University, Chengdu, China; Liverpool NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK.

P1 - 70

Clinical Analysis of Vascular Reconstruction Using Artificial Vascular Grafts During Pancreaticoduodenectomy. H. Z. Wang, L.D. Zhang, G. Chen, L. Cai, P. Bie. Institute of Hepatopancreatobiliary Surgery, Southwest Hospital, Third Military Medical University Chongqing, P. R. China.

P1 - 71

Therapeutic Role of Carbon Monoxide in Experimental Acute Pancreatitis. J Xue and A Habtezion. Department of Medicine, Stanford University School of Medicine, Stanford, CA.

P1 - 72

ZIP4 Upregulates MicroRNA-373 and Promotes Pancreatic Cancer Growth through Repressing TP53INP1 and LATS2. J. Yang, Y. Zhang, X. Cui, C. D. Logsdon, W. E. Fisher, F. C. Brunicardi, C. Chen, Q. Yao, M. Li. The Vivian L. Smith Department of Neurosurgery, UT Health Science Center at Houston, Medical School; Department of Cancer Biology, UT MD Anderson Cancer Center; Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX.

P1 - 73

The Oncogenic K-Ras Increases GSK-3B Gene Expression via an ETS-p300 Transcriptional Complex in Pancreatic Cancer. J.S. Zhang, A. Koenig, A. Harrison, A.V. Ougolkov, M.E. Fernandez-Zapico, F.J. Couch, and D.D. Billadeau. Department of Immunology and Division of Oncology Research, Schulze Center for Novel Therapeutics, College of Medicine, Mayo Clinic, Rochester, MN, Department of Gastroenterology and Endocrinology, Philipps-University of Marburg, Marburg, Germany, Division of Experimental Pathology and Laboratory Medicine, Mayo Clinic, Rochester, MN.

P1 - 74

Targeting Wnt/B-catenin Signaling in Pancreatic Carcinogenesis. Y.Q. Zhang, S. Rakshit, J.P. Morris, M. Hebrok, S.E. Millar, M. Pasca di Magliano. Department of Surgery, Department of Cell and Developmental Biology, University of Michigan, Ann Arbor, MI; Diabetes Center, Department of Medicine, University of California, San Francisco, CA; Departments of Dermatology and Cell and Developmental Biology, University of Pennsylvania, Philadelphia, PA.

Thursday, 11/3

FRIDAY, NOVEMBER 4
7:00 AM - 6:00 PM POSTER SESSION 2
KRUMLOVSKY ATRIUM

Posters P2:1-12 Posters of Distinction

P2 - 1

Investigating CXCR2 Signalling in Pancreatic Cancer. C.W. Steele, J.P. Morton, K.O. Oien, C.R. Carter, C.J. McKay, T.R.J. Evans, O.J. Sansom. Beatson Institute for Cancer Research, University of Glasgow, Glasgow, Scotland ; Department of Pancreaticobiliary Surgery, Glasgow Royal Infirmary, Glasgow, Scotland.

P2 - 2

Human Pancreatic Acinar Cells Do Not Respond to Direct Stimulation with Caerulein. R. Dawra, L. Rishi, B. Appakalai, B. Hering and A. Saluja. Division of Basic and Translational Research and Schulz Diabetes Institute, Department of Surgery, University of Minnesota, Minneapolis, MN.

P2 - 3

Rare PRSS1 Mutations Found in Patients with Chronic Pancreatitis Are Harmless Variants. A. Schnúr, P. Hegyi, M. Sahin-Tóth Department of Molecular and Cell Biology, Boston University, Boston, MA and First Department of Medicine, University of Szeged, Szeged Hungary.

P2 - 4

CD10 Positive Pancreatic Stellate Cells Enhance the Progression of Pancreatic Cancer. N. Ikenaga, K. Ohuchida, K. Mizumoto, K. Fujiwara, S. Kozono, T. Ohtsuka, M. Nakamura, and M. Tanaka. Departments of Surgery and Oncology, Kyushu University, Fukuoka, Japan.

P2 - 5

TGF- β /NFAT-dependent Regulation of the Fas Ligand Expression on Pancreatic Cancer Cells Influences T-cell Microenvironment. A. Koenig, J-S. Zhang, J. Gorman, K. Reutlinger, T. Gomez, V. Ellenrieder, D. Billadeau. Dep. of Oncology Research, Mayo Clinic, Rochester, MN. Dep. of Gastroenterology, University of Marburg, Marburg, Germany.

P2 - 6

Survival of Pancreatic Cancer is Associated with a Single Nucleotide Polymorphism of the Cholecystokinin-B Receptor. J.P. Smith, J.F. Harms, G.L. Matters, C. McGovern, F. Ruggiero, J. Liao, K. Fino, E. Ortega, E. Gilius, and J. Phillips III. Depts. of Medicine, Biochemistry and Molecular Biology, Pathology, and Public Health Sciences, Pennsylvania State University, Hershey, PA Dept. of Biological Sciences, Messiah College, Grantham, PA, Division of Medical Genetics & Genomic Medicine, Vanderbilt University School of Medicine, Nashville, TN.

P2 -7

Contemporary Outcomes from Synchronous Portal/Superior Mesenteric Vein (PV/SMV) Resection at Pancreaticoduodenectomy for Cancer. S. Jegatheeswaran, A.K. Siriwardena. HPB Unit, Manchester Royal Infirmary, UK.

P2 - 8

Activation of Small G-Protein Rab27B Plays an Inhibitory Role in the Secretion in Mouse Pancreatic Acini. Y Hou, X Chen, JA Williams. Molecular and Integrative Physiology, University Of Michigan, Ann Arbor, MI.

P2 - 9

E-cadherin Increases Human Equilibrative Nucleoside Transporter 1 Activity and Sensitizes Human Pancreatic Cancer Cells to Anti-Cancer Nucleoside Analogs. S.W. Hung, Y.D. Bhutia, B. Patel, D. Lovin, R. Govindarajan. Departments of Pharmaceutical and Biomedical Sciences, Biology, and Biochemistry, University of Georgia, Athens, GA.

P2 - 10

The Effect of Timing of Cholecystectomy for Biliary Pancreatitis on Patient Outcomes. M. Johnstone, P. Marriott, C.E. Richardson, E. Hepburn, T. J. Royle, A. Torrance, A. Patel, T. D. Pinkney on behalf of the West Midlands Research Collaborative, Birmingham, UK.

P2 - 11

The Ca²⁺ Target Calcineurin Mediates Early Pancreatitis Events. K.A. Muili, A.I. Orabi, M.U. Ahmad, Y. Luo, D. Wang, S.Z. Husain. Department of Pediatrics, Yale University, New Haven, CT.

P2 - 12

Meta-analysis of the placebo rate of abdominal pain remission in clinical trials of chronic pancreatitis. G. Capurso*, L. Cocomello*, U. Benedetto, C. Cammà, G. Delle Fave. *These authors contributed equally. Digestive and Liver Disease Unit and Cardiac Surgery Department, II School of Medicine, University of Rome "La Sapienza", Gastroenterology Unit, University of Palermo, Italy.

P2 - 13

Urinary 1H-NMR Metabolomics Discriminates Patients with Acute and Chronic Pancreatitis from Healthy Controls. ER Luszczyk, JA Paulo, JR Saltzman, V Kadiyala, J Rosenblum, PA Banks, DL Conwell, G Beilman. Department of Surgery, University of Minnesota, Minneapolis, MN; Center for Pancreatic Disease, Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

P2 - 14

Triptolide-Induced Expression of MicroRNA-142-3p Mediates Apoptosis of Pancreatic Cancer Cells by Inhibition of Heat Shock Protein 70. T.N. MacKenzie, S. Vickers, A.K. Saluja. Department of Pharmacology; Department of Surgery; Masonic Cancer Center, University of Minnesota, Minneapolis, MN.

P2 - 15

Expression and Role of Epithelial Splicing Regulatory Protein 1 in Human Pancreatic Cancer. J. Ueda, Y. Matsuda, K. Yamahatsu, E. Uchida, Z. Naito, T. Ishiwata. Departments of Pathology and Integrative Oncological Pathology; Surgery for Organ and Biological Regulation, Graduate School of Medicine, Nippon Medical School, Tokyo Japan.

Friday, 11/4

P2 - 16

Fronodoside A Enhances the Antiproliferative Effects of Gemcitabine in Pancreatic Cancer Cells. J. Al Shemali, K. Parekh, S.A. Thomas, S.S. Halas, M. Al Sultan, P. Collin, T.E. Adrian. Department of Physiology, Faculty of Medicine, United Arab Emirates University, Al Ain, UAE and Coastside Research, Stonington, ME.

P2 - 17

Hepatocyte Growth Factor: A Potential Therapeutic Target in Pancreatic Cancer. S.J. Arun, Z. Xu, E. Fiala-Beer, L. Yang, P.A. Phillips, D. Goldstein, A. Biankin, R. Pirola, J.S. Wilson, M.V. Apte. Pancreatic Research Group, University of New South Wales, Garvan Institute of Medical Research, Sydney, Australia.

P2 - 18

The Interaction of PSC with Carcinoma Cells Promotes Angiogenesis. Z. Zhang, H. Habisch, S. Zhou, M. Siech, M. Bachem. Clinical Chemistry, University Hospital Ulm, Germany; General Surgery, 1st Affiliated Hospital of Anhui Medical University, Hefei, PR. China; Surgery Dept. Ostalbklinikum Aalen, Germany.

P2 - 19

Anti-tumor and Chemo-sensitization Efficacy of a Novel Curcumin Analog-CDF against Pancreatic Tumors in Animal Model in vivo. S. Banerjee, S. Ali, B. Bao, Z. Wang, A. Azmi, A. Ahmad, S. Padhye and F. H. Sarkar. Department of Pathology, Karmanos Cancer Institute, Detroit, MI.

P2 - 20

Metformin Inhibits Cell Proliferation, Migration and Invasion by Attenuating CSC Function Mediated by Deregulating miRNAs in Pancreatic Cancer Cells. B. Bao, S. Ali, Z. Wang, A. Ahmad, A.S. Azmi, S.H. Sarkar, S. Banerjee, D. Kong, Y. Li, S. Thakur, F.H. Sarkar. Department of Pathology; Department of Oncology Karmanos Cancer Institute, Wayne State University, Detroit, MI.

P2 - 21

The Role of Kras in Pancreatic Cancer Progression and Maintenance. M.A. Collins, F. Bednar, Y. Zhang, S. Rakshit, K.S. Flannagan, N.V. Adsay, M. Pasca di Magliano. Program in Cellular and Molecular Biology, Department of Surgery, Department of Cell and Developmental Biology, University of Michigan, Ann Arbor, MI; Department of Pathology, Emory University, Atlanta, GA.

P2 - 22

Vesicular Transport of ZG Proteins in the Early Secretory Pathway. J. Fang, P. Skalos, X. Chen. Department of Physiology, School of Medicine, Wayne State University, Detroit, MI.

P2 - 23

Dietary Regulation of Amino Acid Transporter Expression in Exocrine Pancreas: Effect of Low Protein Diet. C. Lutz, L. Mariotta, K. Huggel, B. Herzog, F. Verrey, T. R. Graf, R. Graf, T. Lahoutte, S.M.R. Camargo. Institute of Physiology and ZIHP, University of Zurich, Zurich, Switzerland; Department of Surgery, University Hospital Zurich, Zurich, Switzerland; ICMI, Vrije Universiteit Brussel, Brussels, Belgium.

P2 - 24

Outcomes of a Single-Center Multidisciplinary Management Approach to Pancreatic Necrosectomy for the Treatment of Severe Acute Pancreatitis. J. Chennat, B. Funaki, S. Thomas, S. Vesireddy, K. Wroblewski, E. Choi, I. Waxman, J. Alverdy, J.B. Matthews. The University of Chicago Medical Center, Chicago, IL.

P2 – 25

Eicosapentaenoic Acid Decreases Fatty Acid Synthase Through an Akt-Dependent Pathway in Pancreatic Cancer Cells. M.C. Chen, S. Esquivel, H.A. Reber, O. J. Hines, V.L.W. Go, G. Eibl. UCLA Center of Excellence in Pancreatic Diseases, Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA.

P2 - 26

Pancreatic Exocrine Insufficiency in Advanced Pancreatic Cancer: Faecal Elastase-1 (FE-1) Value is a Strong Independent Predictor of Poor Survival. S. Crippa, S. Partelli, L. Frulloni, L. Benini, C. Minniti, P. Pedersoli, M. Falconi. Department of Surgery, University of Verona, Verona, Italy; Department of Surgery, Ospedale Sacro Cuore Don Calabria, Negrar (VR), Italy; Department of Gastroenterology, University of Verona, Verona, Italy.

P2 - 27

A Central Role for RAF-MEK-ERK Signaling in the Genesis and Maintenance of Pancreatic Ductal Adenocarcinoma. E. Collisson, C. Szeto, C. Trejo, S. Gu, J.E. Korkola, C. Roch-Philippe, D. Dankort, W. Phillips, D. Haussler, J. Gray, M. McMahon.

P2 - 28

Use of "BrU-Seq" for Global Analysis of Enhancers, Transcription Start Sites and Synthesis, Stability and Splicing of RNAs in Pancreatic Cancer Cells. M.T. Paulsen, J. Prasad, A. Veloso, C. Kumar-Shina, D. Simeone, T.E. Wilson, M. Ljungman. Departments of Radiation Oncology, Pathology and Surgery, University of Michigan Medical School, Ann Arbor, MI.

P2 – 29

A Proposed Threshold for Dispersed-Pancreatic-Tissue-Volume(TV) Infused During Intraportal-Islet-Autotransplantation(IAT) after Total-Pancreatectomy(TP) to Treat Chronic-Pancreatitis(CP) . J.J. Wilhelm, M.D. Bellin, A.N. Balamurugan, G.J. Beilman, T.B. Dunn, D.M. Radosevich, B.J. Hering, D.E.R. Sutherland. Schulze Diabetes Institute, Dept of Surgery, University of MN.

P2 - 30

Endoscopic Versus Surgical Necrosectomy for Patients with Symptomatic Pancreatic Necrotic Collections: A Retrospective Cohort Study. I. Spofford, D. Conwell, B. Wu, K. Morteale, R. Khorasani, S. Yu, P. Banks, C. Thompson. Division of Pediatric Gastroenterology, Massachusetts General Hospital, Boston, MA; Division of Gastroenterology, Brigham & Women's Hospital, Boston, MA; Department of Radiology, Brigham & Women's Hospital, Boston, MA.

Friday, 11/4

P2 - 31

Novel Model of Pancreatic Neoplastic lesions Induced by Smoking Compound NNK. M. Edderkaoui, C. Park, I. Lee, C. Nitsche, A. Gerloff, P.J. Grippo, S.J. Pandol, A.S. Gukovskaya. University of California Los Angeles & VA-GLAHS, CA; Department of Surgery, Feinberg School of Medicine, Northwestern University, Chicago, IL.

P2 - 32

Three-dimensional (3D) Model of the Pancreas Using Routine CT Data and a 3D Printer: A Feasibility Study. K. Endo, N. Sata, Y. Kaneda, M. Koizumi, A. Lefor, Y. Yasuda. Department of Surgery, Jichi Medical University.

P2 - 33

Down-Regulation of the CCK-B Receptor in Pancreatic Cancer Cells Promotes Apoptosis. K.K. Fino, G.L. Matters, C.O. McGovern, J.P. Smith. Departments of Medicine, Biochemistry and Molecular Biology, Pennsylvania State University, Hershey, PA

P2 - 34

Redo-operations in Chronic Pancreatitis: Indications, Procedures and Outcome. Th. Hackert, Ch. Tjaden, S. Lutz, L. Schneider, W. Hartwig, O. Strobels, M.W. Büchler, J. Werner. Department of Surgery, University of Heidelberg, Germany.

P2 - 35

RUNX3 is a Tumor Suppressor in Human Pancreatic Cancer. M Jain, MJ Baine, S Senapati, SK Batra. Department of Biochemistry and Molecular Biology, Eppley Institute for Research in Cancer and Allied Diseases, University of Nebraska Medical Center, Omaha, NE.

P2 - 36

Connecting the Cords: Mucin MUC4 and Acute Phase Protein NGAL. S. Kaur, S. Chakroborty, I. Lakshmanan, S. Guha, S.K. Batra. Department of Biochemistry & Molecular Biology, UNMC, Omaha, NE; Department of Gastroenterology, University of Texas, M.D. Anderson Cancer Center, TX.

P2 - 37

Chronic Pancreatitis: New Direction of Surgery Treatment (Alternative Way versus Frey and Beger Procedures). A.V. Klymenko, V.N. Klymenko, A.A. Steshenko. Zaporozhye State Medical University, Zaporozhye, Ukraine.

P2 - 38

The Chemical Chaperon 4-Phenylbutyric Acid Reduces Hallmarks of Acute Pancreatitis as well as Endoplasmic Reticulum Stress in Rat. A. Malo, B. Goke, CH. Kubisch. Department of Medicine II, University of Munich, Germany.

P2 - 39

Safety of Endoscopic Cystgastrostomy in Patients with Gastric Varices. N. Kumar, C. Thompson. Division of Gastroenterology, Brigham & Women's Hospital, Boston, MA.

P2 - 40

NCOA3 Regulates MUC4 Expression in Pancreatic Cancer. S. Kumar,* S Das,* M Torres-Gonzalez, S Rachagani, SK Batra. Dept of Biochemistry and Molecular Biology, UNMC, Omaha, NE.

P2 - 41

Proposal of a Step-Down Approach for the Antibiotic Therapy in Preoperatively Stented Patients with Distal Bile Duct Obstruction. D Sauliunaite, M Erkan, A Herner, C Reiser-Erkan, T Miethke, CW Michalski, H Friess, J Kleeff. Department of Surgery; 2nd Department of Internal Medicine; Institute of Medical Microbiology, Immunology and Hygiene, TUM, Munich, Germany.

P2 - 42

Proteomic Analysis of a Mouse Pancreatic Stellate Cell Line in the Activated and a Pseudo-quiescent Cell State Identifies Differentially-Expressed Proteins. J.A. Paulo, P.A. Banks, D.L. Conwell, H. Steen. Department of Pathology, Children's Hospital Boston, Boston, MA; Proteomics Center at Children's Hospital Boston, Boston, MA; Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women's Hospital and Department of Medicine, Harvard Medical School, Boston, MA.

P2 - 43

Radioresistance in Pancreatic Cancer: The Role of Autophagy. M.J. Baine, S. Kaur, C. Lin, S. Chen, K. Lester, F. Sahak, S.K. Batra. Eppley Institute for Research in Cancer and Allied Diseases, Department of Biochemistry and Molecular Biology, Department of Radiation Oncology, University of Nebraska Medical Center, Omaha, NE.

P2 - 44

Risk Factors of Resectability for Patients with Pancreatic Cancer: A Multivariate Analysis. H. Lu, Z. He, W. Hu, B. Tian, Z. Zhang. Department of Hepato-bilio-pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, Sichuan Province, China.

P2 - 45

Pancreatic Duct Cell Function is Impaired in Cigarette Smokers. V. Kadiyala, L.C. Lee, J. Rosenblum, J.A. Paulo, N.I. Sainani, K. Morteale, P.A. Banks, D.L. Conwell. Division of Gastroenterology, Endoscopy and Hepatology; Department of Radiology; Brigham and Women's Hospital, Harvard Medical School, Boston MA.

P2 - 46

PLGA/poloxamer Nanoparticle-encapsulated MBD1-siRNA Effectively Inhibits Pancreatic Cancer Growth in vivo. G. Luo, X. Yu, and J. Long. Department of Pancreatic & Hepatobiliary Surgery, Shanghai Cancer Center, Fudan University, Shanghai, China.

P2 - 47

Role of MUC4 Glycans in Pancreatic Cancer Pathogenesis. V. S. Gnanapragassam, M. Jain, S.Kaur, S. Rachagani, S K. Batra. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE.

P2 - 48

Novel Small Molecule CRM-1 Inhibitor for Pancreatic Cancer Therapy. A.S. Azmi, M. Kauffman, D. McCauley, S. Shacham, R.M. Mohammad. Department of Pathology, Wayne State University School of Medicine, Karyopharm Therapeutics, MA, Department of Oncology, Karmanos Cancer Institute, Detroit MI.

P2 - 49

PUFAs employ EP Receptors to Alter pAkt in HPDE/HPDE-Kras Cells. W. Mascariñas, M. Heiferman, M. Barron, M. Wojtanek, B. Mullapudi, T. Stratton, M. Tsao, D. Bentrem, P. Grippo. Department of Surgery, Northwestern University, Chicago, IL.

P2 - 50

Histone Deacetylase Inhibitor Valproic Acid Inhibits MiaPaCa2 Cells Growth in vitro and in vivo: a New Promising Class of Anti-neoplastic Agents in Pancreatic Cancer? M.C.C. Machado, M.S. Kubrusly, N.T. Molan, L.A.C. D'Albuquerque. Department of Gastroenterology (LIM-37), School of Medicine, University of São Paulo, São Paulo, Brazil.

P2 - 51

Tumor-Suppressor Role of PHLPP1 in Pancreatic Ductal Adenocarcinoma is Mediated Through Inhibiting of Akt2. C. Nitsche, R. Moore, C.D. Heidecke, M. Edderkaoui, G. Eibl, N. Kasahara, J. Mayerle, M.M. Lerch, A. S. Gukovskaya. University Greifswald, Germany, UCLA, Los Angeles, CA.

P2 - 52

A Murine Model of Acute Pancreatitis Demonstrating Age-dependent Increases in Mortality, Systemic Inflammation, and Activation of ERK and JNK. D. Okamura, J. Ienaga, M.E. Starr, B.M. Evers, H. Saito Markey Cancer Center and Department of Surgery, University of Kentucky, Lexington, KY.

P2 - 53

Pathobiological Role of MUC16 (CA125) in Pancreatic Cancer. D.Haridas, S.Chakraborty, M.P.Ponnusamy, I.Lakshmanan, S.Rachgani, E.Cruz, S.Kumar, S.M.Lele, J.M.Anderson, U.A.Wittel, M.A.Hollingsworth, S.K.Batra. Department of Biochemistry and Molecular Biology, Eppley Institute for Research in Cancer and Allied Diseases, Department of Pathology, University of Nebraska Medical Center, Omaha, NE; Department of General and Visceral Surgery, Universitätsklinik Freiburg, Germany.

P2 - 54

Pancreatic Duct Glands (PDG), a Progenitor Stem Cell Niche Responsible For Pancreatic Epithelial Renewal and Repair In Response To Inflammatory Injury. J. Yamaguchi, M. Mino-Kenudson, A.S. Liss, C. Fernández-del Castillo, A.L. Warshaw, S.P. Thayer. Warshaw Institute & Departments of Surgery and Pathology, Massachusetts General Hospital and Harvard Medical School, Boston, MA.

P2 - 55

Pirfenidone Inhibits Proliferation, Invasiveness, the Chemokine and Stromal Component Production of Pancreatic Satellite Cells. S Kozono, K Ohuchida, H Takanami, T Eghuchi, K Fujiwara, M Zhao, N Ikenaga, L Cui, T Ohtsuka, K Mizumoto, M Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P2 - 56

Garcinol Sensitizes Human Pancreatic Adenocarcinoma Cells to Gemcitabine by Modulating MicroRNA Signatures. M. A. Parasramka, S. V. Gupta. Linus Pauling Institute, Oregon State University, Corvallis, OR; Department of Nutrition and Food Science, Wayne State University, Detroit, MI.

P2 - 57

Circulating Lymphocyte Subsets in Pancreatic Adenocarcinoma. R. Pezzilli, D. Fabbri, A. Imbrogno, A.M. Morselli Labate. Department of Digestive Diseases and Internal Medicine, St. Orsola-M. Malpighi Hospital, University of Bologna, Bologna, Italy.

P2 - 58

Modeling Oncogenic Kras Inhibition in Murine Pancreatic Cancer. MA Collins, Filip Bednar, Y. Zhang, S. Rakshit, K.S. Flannagan, N. Volkan Adsay, M. Pasca di Magliano. Program in Cellular and Molecular Biology, Department of Surgery, Department of Cell and Developmental Biology, Comprehensive Cancer Center, University of Michigan, Ann Arbor, MI; Department of Pathology, Emory University, Atlanta, GA.

P2 - 59

Results Of Pancreaticogastrostomy Versus Pancreaticojejunostomy In Reconstruction After Cephalic Duodenopancreatectomy In Patients With Soft Pancreas And Small Pancreatic Duct- PANAM Study.

D.Radenkovic, Dj.Bajec, N.Ivancevic, P.Gregoric, V.Jeremic, V.Djukic, D. B.Kardzic, A. Antic, I.Pejovic. Clinic for Digestive Surgery and Clinic for Emergency Surgery, Clinical Center of Serbia, Belgrade, Serbia.

P2 - 60

AGR2/C4.4A Pathway – A Novel Target for PDAC. V Ramachandran, T Arumugam, RF Hwang, CD Logsdon. Depts. of Cancer Biology, Surgical Oncology, Medical Oncology, UT MD Anderson Cancer Center, Houston, TX.

P2 - 61

Comparison of BISAP, Ranson's, and CTSI scores, and C-reactive Protein in Predicting Organ Failure, Complications and Mortality in Acute Pancreatitis. L. Ricardo, F. Cardoso, A. Oliveira, C. Rodrigues, D. Horta, A. Figueiredo, J. Deus. Department of Gastroenterology, Hospital Fernando Fonseca, Amadora, Universidade Nova, Lisboa, Portugal.

P2 – 62

In Human Pancreas Exposed to Surgical Trauma and Hypoxia, Early Activation of Inflammation Markers Is Different in Acinar-cell Rich Compared to Fibrotic Pancreas. M. Laaninen, M. Bläuer, J. Sand, I. Nordback, J. Laukkanen. Dept. of Gastroenterology and Alimentary Tract Surgery, and Tampere Pancreas Laboratory, and *Dept. of Pathology, Tampere University Hospital, Tampere, Finland.

P2 - 63

Development of Chemotherapeutic Agent for Specific Drug Delivery in Pancreatic Cancer. S. Thomas, J. Dowell, K. Kelly. Department of Biomedical Engineering, University of Virginia, Charlottesville, VA.

P2 - 64

Imaging and Pathological Characteristics of Small (T2) Acinar Cell Carcinomas of the Pancreas: A Report of 3 Cases. S. Matsumoto, N. Sata, M. Koizumi, A. Lefor, Y. Yasuda. Department of Surgery, Jichi Medical University.

P2 - 65

Thyroid Hormone Induces Mouse Pancreatic Acinar Cell Proliferation, Polyploidization and Metaplasia In Vivo. J. Xanthopoulos, B. Liu, C. Nguyen, F. Gorelick, E.S. Swenson. Internal Medicine, Yale University School of Medicine, New Haven, CT; Internal Medicine, Veteran's Affairs Medical Center, West Haven, CT.

P2 - 66

Results of Spleen-preserving Distal Pancreatectomy. Y. Takeyama, H. Ishikawa, T. Yasuda, M. Yamasaki, T. Nakai. Department of Surgery, Kinki University Faculty of Medicine, Osaka-sayama, Osaka Japan.

P2 - 67

Medium to late clinical and social results of surgery for chronic pancreatitis (CP). ER Grist, N Kumar, V Shah, M Habib, NW Pearce, M Abu-Hilal, CD Johnson. University of Southampton, Southampton General Hospital, Southampton, UK.

P2 - 68

“Binding” Pancreato-yeyuno anastomosis versus a Classical Ducto-mucosa Anastomosis after Pancreatoduodenectomy for Periampullary and Pancreatic Neoplasm. J. Targarona, L.A. Barreda. Department of Surgery Pancreatic Unit, Edgardo Rebagliati Martins Hospital, Lima Peru.

P2 - 69

Possible Role of ICOS and IL-10 Positive Regulatory T Cells in the Development of IgG4-related Autoimmune Pancreatitis. K. Uchida, T. Kusuda, Y. Sakaguchi, K. Yoshida, T. Fukui, A. Nishio, K. Okazaki. The Third Department of Internal Medicine, Division of Gastroenterology and Hepatology, Kansai Medical University, Moriguchi, Japan.

P2 - 70

Probiotic Prophylaxis in Predicted Severe Pancreatitis: a Monocenter Retrospective Cohort. M.C. van Baal, P. Kohout, M.G. Besselink, H.C. van Santvoort, G.T. Rijkers, H.G. Gooszen. Dept. Operating Room/Evidence Based Surgery, Radboud University Nijmegen Medical Centre, Nijmegen, the Netherlands, Dept. of Internal Medicine, Faculty Thomayer's Hospital, Prague, Czech Republic, Dept. of Surgery, University Medical Center, Utrecht, the Netherlands.

P2 - 71

Activation of Stat3 May Participate in Adaptive Pancreatic Growth. JY Wang, G Gurda, L Guo, SA Ernst, JA Williams. Departments of Molecular and Integrative Physiology, Cell and Developmental Biology, and Internal Medicine, University of Michigan, Ann Arbor, MI.

P2 - 72

The Effect of Initial Antibiotic Therapy with Moxifloxacin in Infected Necrosis in Experimental Necrotizing Pancreatitis in Mice. P.J. Poxleitner, S.C. Richter, U.T. Hopt, U.A. Wittel. Department of General- and Visceral Surgery, Universitätsklinik Freiburg, Freiburg, Germany.

P2 - 73

Can MAPK Signaling be Inhibited in vivo to Study Pancreatic Function? BJ Holtz, JA Williams. Departments of Molecular and Integrative Physiology and Internal Medicine, University of Michigan Ann Arbor, MI.

SATURDAY, NOVEMBER 5**7:00 AM - 1:00 PM POSTER SESSION 3**

KRUMLOVSKY ATRIUM

Posters P3:1-11 Posters of Distinction

P3 - 1

Cachexia but not Obesity Worsens the Postoperative Outcome after Pancreaticoduodenectomy in Pancreatic Cancer. T. Pausch, W. Hartwig, T. Swolana, U. Hinz, B.D. Bundy, T. Hackert, L. Grenacher, M.W. Büchler, J. Werner. Department of Surgery, University of Heidelberg, Germany; Department of Radiology, University of Heidelberg, Germany.

P3 - 2

Pathogenesis of Pain in Chronic Pancreatitis Is Independent of Intra-acinar Trypsinogen Activation. R.P Sah, R. Dawra, S. Banerjee, A. Bekolay, V. Dudeja, A.K Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

P3 - 3

PDAC with Tumor-Related Retention Cysts, a Mimicker of Invasive IPMN, May Be Associated with Poor Prognosis. V. Morales-Oyarvide, C. Fernandez-del Castillo, N.P. Valsangkar, D.V. Sahani, M.B. Pitman, S.P. Thayer, M. Mino-Kenudson, Departments of Surgery, Radiology and Pathology, Massachusetts General Hospital, Boston, MA .

P3 - 4

IPMNs Presenting with Acute Pancreatitis are Associated with an Intestinal Phenotype. V. Morales-Oyarvide, M. Mino-Kenudson, S.P. Thayer, J.A. Wargo, C.R. Ferrone, K.D. Lillemoe, A.L. Warshaw, C. Fernández-del Castillo, Departments of Surgery and Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA.

P3 - 5

GLI Proteins Orchestrate the Cytokine Milieu in Pancreatic Tumor Micro-environment. L.L. Almada, S.F. ElSawa, M.G. Fernandez-Barrena, V. Ellenrieder, M.E. Fernandez-Zapico. Schulze Center for Novel Therapeutics, Mayo Clinic, Rochester, MN.

P3 - 6

Pan-Negative Bone Marrow-Derived Cells Dramatically Worsen Pancreatitis via an ICAM-1 Dependent Mechanism. C. S. Graffeo, M. Hackman, A. Rehman, S. Rahim, A. Nguyen, M. Medina-Zea, H. Lebovics, M. Dorvil-Castro, M. Marr, J. Henning, G. Miller. Departments of Surgery and Cell Biology, New York University School of Medicine, New York, NY.

P3 - 7

Early Oral Refeeding Wisdom in Severe Acute Pancreatitis. X.L. Zhao, J. Li, G.J. Xue, Y.L. Liu, M.H. Wan, G.Y. Chen, W. Huang, R. Sutton, W.F. Tang. The Pancreatic Diseases Research Group, Department of Integrated Traditional and Western Medicine, West China Hospital, Sichuan University, Chengdu, China; Liverpool NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool.

P3 - 8

ATDC (TRIM29) Interacts with RNF8 and Protects Pancreatic Cancer Cells from DNA Damaging Agents.

H. Yang, L. Wang, E. Kim, J. Prasad, D. Misek, M. Ljungman, D.M. Simeone. Depts of Surgery, Physiology, and Radiation Oncology, University of Michigan.

P3 - 9

Investigation of AT7519, a Novel CDK Inhibitor, in a Xenograft Model of Pancreatic Cancer. A. Thomas, E. Shaw, P. Ghaneh, W. Greenhalf, E. Costello, K. Dajani, M. Davies, J. Lyon, R. Sibson, J.P. Neoptolemos. Department of Clinical and Cancer Medicine, University of Liverpool, Liverpool, UK; Astex Therapeutics, Cambridge, UK.

P3 - 10

Acute Pancreatitis is Less Severe among Patients with underlying Chronic Pancreatitis. V Akshintala, S Hutfless, M Khashab, AM Lennon, M Makary, K Hirose, D Andersen, A Kalloo, V Singh. Pancreatitis Center, Division of Gastroenterology, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD.

P3 - 11

Pancreatic Ductal HCO₃⁻ and Fluid Secretion Are Reduced in SLC26a6 Knock-out Mice. Z. Rakonczay Jr., P. Pallagi, V. Venglovecz, T. Takács, T. Wittmann, A.K. Singh, R. Engelhardt, B. Riederer, U. Seidler, P. Hegyi. First Dept. of Medicine, Dept. of Pharmacology and Pharmacotherapy, University of Szeged, Hungary; Dept. of Gastroenterology, Hepatology, and Endocrinology, Medical School of Hannover, Germany.

P3 - 12

Sensitivity to mTOR Inhibition in a Subset of Pancreatic Ductal Adenocarcinomas. J.P. Morton, D.C. Morran, N. Jamieson, C. McKay, R. Carter, T.R.J. Evans, O.J. Sansom. Beatson Institute for Cancer Research, Glasgow, UK; Pancreatic Unit, Glasgow Royal Infirmary, Glasgow, UK.

P3 - 13

Quality of Life After Pancreatectomy and Islet Autotransplant. M.D. Bellin, D.M. Radosevich, G.J. Beilman, T.B. Dunn, S. Chinnakotla, B. Bland, K.L. Berry, S.J. Schwarzenberg, M. Freeman, T.L. Pruett, D.E.R. Sutherland. Depts of Surgery, Pediatrics, Medicine, and the Schulze Diabetes Institute, University of Minnesota, Minneapolis, MN.

P3 - 14

Improved Effect of Chemoradiotherapy in Combination with Oncolytic Adenovirus Expressing Interferon- α for Pancreatic Cancer. J. Han, L. Armstrong, E. Brown, K. Aoki, S. Vickers, M. Yamamoto, J. Davydova. Department of Surgery, University of Minnesota, Minneapolis, MN; National Cancer Center Research Institute, Tokyo, Japan.

P3 - 15

Nestin Modulates EMT Molecules and Transcriptional Factors in Human Pancreatic Cancer Cells. M. Hagio, Y. Matsuda, T. Suzuki, Z. Naito, T. Ishiwata. Departments of Pathology and Integrative Oncological Pathology, Nippon Medical School, Tokyo, Japan.

P3 - 16

Lipids of Synthetic Nanoparticles Mimicking Exosome Lipid Composition Induce Death of Pancreatic Human Tumoral Cells. S. Beloribi, E. Ristorcelli, G. Breuzard, J. Bertrand-Michel, E. Beraud, A. Verine, D. Lombardo. INSERM UMR 911-CRO2; Université de la Méditerranée, Campus Santé Timone, Marseille, France. INSERM -IFR-BMT-MetaToul, Lipidomic Core Facility, Toulouse, France.

P3 - 17

Heat Shock Proteins 27 and 47 Inhibit Platelet-Derived Growth Factor (PDGF)-Induced Pancreatic Stellate Cell Proliferation: Implication in Pancreatic Cancer Progression. J. Youkhana, J. Liu, N. Kiriella, L. Yang, Z. Xu, A. Biankin, D. Goldstein, R. Pirola, J. Wilson, M.V. Apte, P.A. Phillips. Pancreatic Research Group, University of New South Wales and Garvan Institute of Medical Research, Sydney, Australia.

P3 - 18

Returning Genetic Research Results to Individuals: The International Cancer Genome Consortium Initiative Experience. AL Johns, N Zeps, L Chantrill, AJ Gill, DK Chang, CJ Scarlett, SM Grimmond, AV Biankin. Cancer Research Program, Garvan Institute of Medical Research, Sydney Australia, St John of God Pathology, Perth Australia, Department of Anatomical Pathology, Royal North Shore Hospital, Sydney Australia, QLD Centre for Medical Genomics, Institute for Molecular Bioscience, University of Queensland, Brisbane Australia, Department of Upper GI Surgery, Bankstown Hospital, Sydney Australia. On behalf of the Australian Pancreatic Cancer Genome Initiative (APGI).

P3 - 19

In Vivo Sensitization of Pancreatic Tumors to Gemcitabine and Erlotinib by Isoflavone. S. Ali, A. Aboukameel, S. Banerjee, B. Bao, P.A. Philip, F.H. Sarkar. Department of Oncology; Department of Pathology. Karmanos Cancer Institute, Wayne State University, Detroit, MI.

P3 - 20

L-Asparaginase Loaded Red Blood Cells (RBC) in Pancreatic Cancer: A Phase I clinical study. Y. Godfrin, D. Liens, T. Andre, A. Adenis, F. Joly. Erytech Pharma, Lyon, France ; Hôpital Pitié-Salpêtrière, Paris, France ; Centre Oscar Lambret, Lille, France; Centre François Baclesse, Caen, France.

P3 - 21

Pancreatic Tumor Sensitivity to Plasma L-asparagine Starvation. E. Du-four, F. Gay, K. Aguera, J.Y. Scoazec, F. Horand, P. Lorenzi, Y. Godfrin. R&D Department, Erytech Pharma, Lyon, France; Service d'Anatomie Pathologique, Hospices Civils de Lyon, Lyon, France ; Department of Bioinformatics and Computational Biology, M. D. Anderson Cancer Center, Houston, TX.

P3 - 22

Value of C-reactive Protein in Predicting Organ Failure, Complications and Mortality in Acute Pancreatitis. F. Cardoso, L. Ricardo, A. Oliveira, C. Rodrigues, D. Horta, A. Figueiredo, J. Deus. Department of Gastroenterology, Hospital Fernando Fonseca, Amadora, Universidade Nova, Lisboa, Portugal.

P3 - 23

Glucagon-like peptide 1 induces cell proliferation of rat pancreatic stellate cells through ERK and PKC ζ pathway. T. Nakamura, T. Ito, M. Uchida, R. Takayanagi. Department of Medicine and Bioregulatory Science, Kyushu University, Fukuoka, Japan.

P3 - 24

Prevention of Post-ERCP Acute Pancreatitis: Complete Systematic Review. K Altaf, MA Javed, F Wright, R Sutton. Liverpool NIHR Pancreas Biomedical Research Unit, RLBH and University of Liverpool.

P3 - 25

Novel Simple Method for the Isolation of Pancreatic Stellate Cells. Q Nunes, D Latawiec, M Awais, D Fernig, R Sutton. Liverpool NIHR Pancreas Biomedical Research Unit, Liverpool, UK; Institute of Integrative Biology, University of Liverpool, Liverpool, UK.

P3 - 26

Isolated Peri-Pancreatic Necrosis is Associated With Better Outcomes Compared to Pancreatic Necrosis With or Without Peri-Pancreatic Necrosis. Y. Tsuji, N. Takahashi, R. Talukdar, S.T. Chari, S.S. Vege. Pancreatic Interest Group, Department of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN; Department of Radiology, Mayo Clinic, Rochester, MN.

P3 - 27

Mast Cells Promote Fibrotic Tumor Microenvironment of Pancreatic Ductal Adenocarcinoma. Y. Ma, R. Hwang, C. Logsdon, S.E. Ullrich, Department of Immunology, Surgical Oncology, Cancer Biology, University of Texas M.D. Anderson Cancer Center, Houston, TX.

P3 - 28

Response to Pancreatic Duct Stenting Predicts Outcomes After Modified Lateral Pancreaticojejunostomy. R. Kwon, B. Young, W. Marsteller, C. Lawrence, B. Wu, D. Mullady, D. Klibansky, T. Gardner, D. Simeone. Div of Gastroenterology, Univ of Michigan, Ann Arbor, MI; Div of Gastroenterology, Medical Univ of South Carolina, Charleston, SC; Div of Gastroenterology, Brigham & Womens Hospital, Boston, MA; Div of Gastroenterology, Washington Univ, St. Louis, MO; Div of Gastroenterology, Dartmouth Hitchcock Medical Center, Lebanon, NH; Dept of Surgery, Univ of Michigan, Ann Arbor, MI.

P3 - 29

Inhibition of JAK-2 Sensitizes Pancreatic Cancer Cells to TRAIL Induced Cell Death. V. Dudeja, S. Skube, G. Beyer, S. Banerjee, V. Sangwan, N. Mujumdar, T.N. Mackenzie, R.K. Dawra S.M. Vickers, A.K. Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN.

P3 - 30

Intraarterial Antibiotics Infusion in the Prophylaxis of Septic Complications in Severe Acute Pancreatitis. S. Chooklin, O. Hranat Department of Surgery, Medical University, Lviv, Ukraine.

P3 - 31

Prospective Application of the Four Category (Mild, Moderate, Severe, Critical) Classification of Acute Pancreatitis. C.J. Miranda, B.I. Babu, A.K. Siriwardena. HPB Unit, Manchester Royal Infirmary, UK.

P3 - 32

COX-2 Depending CXC-chemokines Production in Human Pancreatic Cancer Cells. M. Satake, G. Eibl, N. Kuroda, T. Hirano, H. Ishikawa, M. Nishii, A. Babaya, V. L. Go, H. Reber, Y. Fukuda, O. J. Hines, J. Fujimoto. Departments of Surgery, Hyogo College of Medicine: Nishinomiya, Hyogo, JP. David Geffen School of Medicine at U.C.L.A: Los Angeles, CA, USA. Sasayama Medical Center, Hyogo College of Medicine, Sasayama, Hyogo, JP.

P3 - 33

Prox1 Activity is Required in Pancreatic Progenitors for Pancreas Development. J. Westmoreland, G. Kilic, C. Sartain, S. Sirma, J. Blain, J. Rehg, N. Harvey, and B. Sosa-Pineda. St. Jude Children's Research Hospital, Memphis, TN.

P3 - 34

EUS-FNA Can Obviate a Large Number of Unnecessary Surgeries While Missing Very Few Potentially Resectable Pancreatic Cancers in Jaundiced Patients with Suspected Pancreatic Cancer. P. Tummala, S. Munigala, B. Agarwal Department of Internal Medicine, Division of Gastroenterology and Hepatology, Saint Louis University School of Medicine, St. Louis, MO.

P3 - 35

Effects of Ethanol on Pancreas Regeneration. M.A. Scheer, K.J. Mahan Schneider, and D.L. Clemens. Nebraska and Western Iowa Veterans Administration Medical Center and Department of Internal Medicine, University of Nebraska Medical Center Omaha, NE.

P3 - 36

MUC4 induces Epithelial Mesenchymal Transition through N-Cadherin Upregulation in Pancreatic Cancer. S. Rachagani, M. A. Macha, M. P. Ponnusamy, S. Chakraborty and S. K. Batra. Department of Biochemistry and Molecular Biology, Eppley Cancer Institute, University of Nebraska Medical Center, Omaha, NE.

P3 - 37

siRNA Mediated Blockade of DCAMKL-1 Results in Pancreatic Tumor Xenograft Growth Arrest by let-7a and miR-200a MicroRNAs-dependent Mechanisms. S.M. Sureban, R. May, D. Qu, S. Anant, C.W. Houchen. Department of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK; Veterans Affairs Medical Center, Oklahoma City, OK; 3Kanasas University Medical Center, Kansas City, KS.

P3 - 38

90Y DOTATOC and Multidisciplinary Therapies for a Patient with Pancreatic Neuroendocrine Carcinoma with Systemic Metastases. G. Yoshimatsu, S. Egawa, N. Sakata, F. Motoi, T. Rikiyama, Y. Katayose, M. Unno. Div. Hepato-Biliary-Pancreatic Surgery, Dept. Surgery, Tohoku University, Sendai, Japan.

P3 - 39

A Case of the Pancreatic Duct Stenosis at the Body with Focal Atrophic and Fatty Change of the Adjacent Parenchyma. G. Yoshimatsu, N. Sakata, M. Mizuma, K. Ishida, S. Ottomo, K. Nakagawa, H. Hayashi, F. Motoi, T. Rikiyama, Y. Katayose, S. Egawa, A. Kanno, J. Masamune, T. Shimosegawa, M. Unno. Division of Hepato-Biliary-Pancreatic Surgery, Tohoku University, Graduate School of Medicine, Japan; Department of Pathology, Tohoku University Hospital, Japan; Division of Surgery and Oncology, Tohoku University Graduate School of Medicine, Japan; Division of Gastroenterology, Tohoku University, Graduate School of Medicine, Japan.

P3 - 40

Cytotoxic and Antitumor Effects of *Annona muricata* in Pancreatic Cancer Cells. M.P. Torres, P. Pandey, S. Joshi, V. Purohit, P. Singh, S.K. Batra. Eppley Cancer Institute, Department of Biochemistry and Molecular Biology, Department of Environmental, Agricultural & Occupational Health, University of Nebraska Medical Center, Omaha, NE.

P3 - 41

Pancreatic Star Alliance: After the First Meeting, Future Challenges. M Erkan, J Kleeff, H Friess, M Apte, M Bachem. Technische Universität München, Munich, Germany; The University of New South Wales, Sydney, Australia; Universitätsklinikum Ulm, Ulm, Germany.

P3 - 42

Human Pancreatic Stellate Cells as an in vitro Model for the Study of Bone Morphogenetic Proteins' Anti-fibrogenic Role in the Pancreas. X. Gao, Y. Cao, C. Rostellini, C. Chao, M. Hellmich, T.C. Ko. Dept. of Surgery, UTHSC-Houston; UTMB at Galveston, TX.

P3 - 43

Downregulation of MUC4 by the Extract and Essential Oil of Holy Basil Leaves Suggests a Potential for Basil as a Novel Therapeutic Adju-

vant in Pancreatic Cancer. S. Chakraborty, T. Shimizhu, M.T. Gonzales, J. Soucek, S. Rachagani, M. Macha, A.K. Ganti, E.D. Moore and S.K. Batra. University of Nebraska Medical Center. Omaha. NE

P3 - 44

Integrated Traditional Chinese and Western Medicine for Severe Acute Pancreatitis. H.M. Lu, Q. Guo, W.M. Hu, B.L. Tian, X.B. Liu, G. Mai, Z.W. Huang, G.Y. Chen, W.F. Tang, X.D. Jin, Q. Xia, Z.D. Zhang. Hepato-bilio-pancreatic Surgery, Department of Integrated Traditional Chinese and Western Medicine, Intensive Care Unit, West China Hospital, Sichuan University, Chengdu 610041, Sichuan Province, China.

P3 - 45

Cigarette Smoking Impacts Chronic Pancreatitis Clinical Feature Score, Severity Index and Pancreas Imaging Severity. V. Kadiyala, L.C. Lee, J. Rosenblum, J.A. Paulo, N.I. Sainani, K. Morteale, P.A. Banks, D.L. Conwell. Division of Gastroenterology, Endoscopy and Hepatology; Department of Radiology; Brigham and Women's Hospital, Harvard Medical School, Boston MA.

P3 - 46

Germline Brca2 Heterozygosity Promotes Krasg12d-Driven Carcinogenesis in a Murine Model of Familial Pancreatic Cancer. F. Skoulidis, L.D. Cassidy, V. Pisupati, J.G. Jonasson, H. Bjarnasson, J.E. Eyfjord, F.A. Karreth, M. Lim, L.M. Barber, S.A. Clatworthy, S.E. Davies, K.P. Olive, D.A. Tuveson, A.R. Venkitaraman. Department of Oncology and the Medical Research Council Cancer Cell Unit, University of Cambridge, Hills Road, Cambridge CB2 0XZ, UK; Department of Pathology, Faculty of Medicine, Landspítalinn-University Hospital, University of Iceland and the Icelandic Cancer Registry, Reykjavik, Iceland; Cancer Research Laboratory, Faculty of Medicine, University of Iceland, Reykjavik, Iceland; Li Ka Shing Centre, Cambridge Research Institute, Cancer Research UK, Robinson Way, Cambridge, UK; Addenbrooke's Hospital, Cambridge, UK Herbert Irving Comprehensive Cancer Center and Department of Medicine and Pathology, Columbia University, New York, USA.

P3 - 47

MicroRNA-200c Modulates the Expression of MUC4 and MUC16 in Human Pancreatic Cancer. P Radhakrishnan, AM Mohr, PM Grandgenet, MA Hollingsworth. Eppley Institute for Research in Cancer and Allied Diseases, University of Nebraska Medical Center, Omaha, NE.

P3 - 48

NF-κB and AP-1 Crosstalk in Exocrine Pancreatic Cells Involves ELK-1. E Twait, D Williard, Z Yuan, I Samuel. VAMC and UI CCOM Dept of Surgery, Iowa City, IA.

P3 - 49

Genetic Deletion of 5-Lipoxygenase Attenuates the Quantity of Pancreatic Neoplastic Lesions in EL-Kras mice. M.J. Heiferman, J.D. Phillips, S.B. Krantz, J.R. Heiferman, D.J. Bentrem, P.J. Grippo. Department of Surgery, Feinberg School of Medicine, Northwestern University, Chicago, IL; Robert H. Lurie Comprehensive Cancer Center, Northwestern University, Chicago, IL.

P3 - 50

Myocardial Alteration in Experimental Acute Pancreatitis. A. Meyer, J. Jukemura, M. S. Kubrusly, A.M. Coelho, R. A. Patzina, V. Salemi, M.C.C. Machado, J.E.M. Cunha, C. Mady, L.A.C. D'Albuquerque. Department of Gastroenterology (LIM-37), Department of Pathology, Heart Institute (InCor), University of São Paulo, São Paulo, Brazil.

P3 - 51

Pre-neoplastic Metaplastic Lesions Represent Epithelial Transdifferentiation to a Biliary-like Phenotype. K.E. DelGiorno, E. Carpenter, K. Takeuchi, and H.C. Crawford. Department of Molecular and Cellular Pharmacology, SUNY Stony Brook, Stony Brook, NY.

P3 - 52

Combined LC/MS-MS and iTRAQ Analysis of Serum and Pancreatic Juice for the Detection of Biomarkers for Pancreatic Cancer: Influence of Biliary Obstruction. S Tonack, C Jenkinson, V Elliot, K Dajani, RE. Jenkins, NR Kitteringham, B Lane, J P Neoptolemos, E Costello. Liverpool Cancer Research-UK Centre; Liverpool National Institute for Health Research Pancreatic Biomedical Research Unit; MRC Centre for Drug Safety Science, Department of Pharmacology and Therapeutics, University of Liverpool, UK.

P3 - 53

PD2/hPaf1 a Novel Marker for the Maintenance of Self-Renewal and Drug Resistance of Pancreatic Cancer Stem Cells. MP Ponnusamy,* AP Vaz,* SK Batra. Dept of Biochemistry and Molecular Biology, Eppley Institute for Research in Cancer and Allied Diseases, 3Dept of Pathology, University of Nebraska Medical Center, Omaha, NE.

P3 - 54

Inhibition of GRP78, ER Stress Master Regulator, Triggers Cell Death in Pancreatic Cancer Cells. N. Mujumdar, S. Banerjee, V. Sangwan, S. Vickers and A.K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

P3 - 55

Pancreatic Stellate Cells Promote Migration of CD105+ Pancreatic Cancer Cells. K. Fujiwara, K. Ohuchida, S. Kozono, N. Ikenaga, L. Cui, M. Nakamura, K. Mizumoto, M. Tanaka. Departments of Surgery and Oncology; Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Kyushu University Hospital Cancer Center, Fukuoka, Japan.

P3 - 56

Middle Pancreatectomy: Our Clinical Experiences of Eight Patients. Y. Akiyama, N. Minagawa, and K. Yamaguchi. Department of Surgery 1, School of Medicine, University of Occupational and Environmental Health, Japan.

P3 - 57

Estrogens May Increase the Probability of Pancreatitis and Reduce Pancreatic Function in Women with Chronic Abdominal Pain, Possibly Independent of Triglycerides. J. Lieb II, C. Curington, P. Toskes. Divisions of Gastroenterology, Universities of Pennsylvania, Philadelphia, PA and Florida, Gainesville, FL.

P3 - 58

Activation of MNK2/eIF4E Pathway by the Splicing Factor SRSF1 Supports Pancreatic Cancer Cell Survival to Genotoxic Stress. L. Adesso, S. Calabretta, F. Barbagallo, Pilozzi, G. Capurso, R. Geremia, G. Delle Fave, C. Sette. Digestive and Liver Disease and Pathology Units II School of Medicine, University of Rome "La Sapienza" Department of Public Health and Cell Biology, University of "Tor Vergata" Rome, Italy.

P3 - 59

Role of C-Reactive Protein, APACHE II and Glasgow Score in Early Prediction of Severity of Acute Pancreatitis. Dj Bajec, D Radenkovic, P Gregoric, N Ivancevic, V Jeremic, B Karadzic, A Antic, I Pejovic. Clinic for Digestive Surgery and Clinic for Emergency Surgery, Clinical Center of Serbia, Belgrade, Serbia.

P3 - 60

Function and Regulation of Polo-like Kinase 3 in Human Pancreatic Cancer. Z. Li, Z. Chang and P.J. Chiao, Department of Molecular and Cellular Oncology. The University of Texas M. D. Anderson Cancer Center, Houston, TX.

P3 - 61

Hamster Pancreatic Cancer Model for Research on Metastasis and its in vivo Imaging. E. Uchida, A. Matsushita, Y. Nakamura, K. Yamahatsu, T. Aimoto, J. Ueda, Y. Matsuda, T. Ishiwata, Z. Naito. Department of Surgery; Department of Pathology, Nippon Medical School, Tokyo, Japan.

P3 - 62

Targeting the Metastasis Suppressor NDRG1: A New Strategy for the Treatment of Pancreatic Cancer.

Z. Kovacevic, S. Chikhani, S. Sivagurunathan, D.B. Lovejoy and D.R. Richardson. Iron Metabolism and Chelation Program, Department of Pathology and Bosch Institute, University of Sydney, Sydney, New South Wales, Australia.

P3 - 63

Effects of Toxic Factors on the Expression of Aquaporins in CAPAN-1 Cells. P. Hegyi, L.V. Kemény, Z. Rakonczay Jr., Á. Zvara, L. Puskás and V. Venglovecz. First Dept. of Medicine, University of Szeged, Laboratory of Functional Genomics, Biological Research Centre, Dept of Pharmacology and Pharmacotherapy, University of Szeged, Szeged, Hungary.

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Distinct Actions of Ethanol Metabolites in Pathologic Rat Pancreatic Acinar Exocytosis Underlying Alcoholic Pancreatitis. S. Dolai,* P. Lam,* T. Liang,* N. Fernandez, S. Chidambaram, H. Gaisano. Depts of Medicine and Physiology, University of Toronto, Canada. *Equal contributors.

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Inositol 1,4,5-Trisphosphate Receptor Type 2 Deficiency Leads to Accumulation of Zymogen Granules in Pancreatic Acinar Cells. A.I. Orabi, Y. Luo, K.A. Muili, Z. Mannan, D. Wang, S.Z. Husain. Department of Pediatrics, Yale University, New Haven, CT.

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Evaluation of Long-term Condition after Total Pancreatectomy. Y. Takeyama, H. Ishikawa, T. Yasuda, M. Yamasaki, T. Nakai. Department of Surgery, Kinki University Faculty of Medicine, Osaka-sayama, Osaka Japan.

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Dual Inhibition of MEK and mTOR Signaling Pathways Decreases Proliferation of Human Pancreatic Neuroendocrine Tumor (PNET) Cells In Vitro. C. Djukom, K. Ives, S. O. Kim, X. Wang, M. Hellmich, C. Chao. Department of Surgery, University of Texas Medical Branch; Galveston, TX, USA

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Loss of Raf Kinase Inhibitory Protein (RKIP) Enhances Pancreatic Stellate Cell NFκB Activity and EtOH-induced Pancreatic Fibrosis. C. Chao, S. Kim, K.L. Ives, X. Wang, J.F. Aronson, C. Rastellini, M.R. Hellmich. Departments of Surgery and Pathology, University of Texas Medical Branch, Galveston, TX.

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

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Transgastric Cooling Of the Pancreas; a Feasibility Study For Acute Pancreatitis (AP). Chandra Durgampudi¹, JA Holmes, S. Narla, VP Singh. Department of Medicine UPMC Passavant, Swanson Center for Product Innovation, Graduate School, Case Western Reserve University, Division of Gastroenterology, University of Pittsburgh, Pittsburgh, PA.

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Association of c-Src and TACE/ADAM-17 Induce Amphiregulin-Dependent EGFR Signaling. N.S. Nagathihalli, M.K. Washington, R. Coffey, N.B. Merchant. Departments of Surgery, Cancer Biology, Cell and Developmental Biology and Pathology, Vanderbilt-Ingram Cancer Center, Vanderbilt Medical Center, Nashville, TN.

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Pancreatic Castleman's Disease: Studies of Three Cases and a Cumulative Review of the Literature. S.R Babu, XL Wang, L Fu, ZL Wang, Y Zhang, AP Su, T Hu, BL Tian. Department of Hepato-bilio-pancreatic Surgery, General Ward of Cancer Centre, West China Hospital, Sichuan University, Chengdu, China.

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Nestin Inhibits Proliferation of Vascular Endothelial Cells in vitro And Tumor Angiogenesis in Pancreatic Cancer in vivo. K. Yamahatsu, Y. Matsuda, M. Hagio, T. Aimoto, Y. Nakamura, E. Uchida, Z. Naito, T. Ishiwata. Departments of Pathology and Integrative Oncological Pathology, Surgery for Organ and Biological Regulation, Graduate School of Medicine, Nippon Medical School, Tokyo, Japan.

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Resection of Pancreatic Cancer invading the Portal Vein – a Case-Control Study. C. W. Michalski, S. Kloe, M. Erkan, H. Friess, J. Kleeff. Department of Surgery, Technische Universität München, Munich Germany.

End of Program

