



November 1-4, 2006

Chicago, Illinois

# 2006 JOINT MEETING



**American Pancreatic  
Association**



**IAP**

**International Association  
of Pancreatology**





2006 Joint Meeting of the  
**American Pancreatic Association  
International Association of Pancreatology**  
Chicago, Illinois • November 1-4, 2006

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## **Association Information**

### **American Pancreatic Association APA Governing Board**

Christopher E. Forsmark, MD, *President*  
Richard H. Bell, Jr., MD, *Secretary-Treasurer*  
Raul Urrutia, MD, *President-Elect*  
Ashok Saluja, PhD, *Immediate Past President*  
Craig Logsdon, PhD, *Councilor*  
Andrew Warshaw, MD, *Councilor*  
Suresh Chari, MD, *Councilor*  
David Whitcomb, MD, PhD, *Website Master*



### **APA Contact Information**

American Pancreatic Association  
45 High Valley Drive  
Chesterfield, MO 63017  
*Telephone:* 314-392-9319  
*Fax:* 314-754-9515  
*Email:* american-pancreatic-association@lettuceplanet.com

### **International Association of Pancreatology IAP Governing Board**

Peter A. Banks, MD, *President*  
Paul G. Lankisch, MD, *Secretary*  
Markus W. Büchler, MD, *Treasurer*  
Keiko Shiratori, MD, *Co-Treasurer*  
Raul Urrutia, MD, *Editor of Pancreatology*  
Markus M. Lerch, MD, *President-Elect*  
Seiki Matsuno, MD, *Past-President*



**IAP**

International Association of Pancreatology

### **IAP Contact Information**

Paul G. Lankisch, MD, IAP Secretary  
Municipal Clinic of Lueneburg  
Boegelstrasse 1  
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## Sponsorships

The American Pancreatic Association and the International Association of Pancreatology extend a special thank you to the following companies who have made sponsorship commitments to the 2006 joint meeting:

### Gold Sponsorship

Solvay Pharmaceuticals

### Silver Sponsorship

Altus Pharmaceuticals, Inc.

Axcan

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### Gift in Kind

Inter Science Institute

## Awards

Congratulations to Phillip P. Toskes, MD and Tadashi Takeuchi, MD, PhD, winners of the Go Award for Lifetime Achievement in Pancreatology.

## Travel Scholarships

Congratulations to the 2006 Travel Scholarship Award Recipients.

Sharmila Adhikari

Mohammad Al-Haddad

Thiruvengadam Arumagam

Vallath Balakrishnan

Sanjeev Banerjee

Marc Besselink

Eugene Ceppa

Andy Chen

Laura Cosen-Binker

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Zoltan Rakonczay Jr.

Vijaya Ramachandran

Asma Sultana

Kyoichi Takaori

Mark Truty

Parsia Vagefi

Hjalmar Van Santvoort

Domenico Viterbo

Frank Weiss

Uwe Wittel

## General Learning Objectives for Joint APA-IAP Meeting

1. Gain a better understanding of the collaborative opportunities for interaction between clinicians and basic scientists interested in diseases of the pancreas.
2. Appreciate the application of new and novel therapies for pancreatic adenocarcinoma.
3. Discuss the current and future trends in evaluation and management of benign and malignant pancreatic diseases.
4. Explore the variety of endoscopic and minimally invasive approaches being developed for managing pancreatic diseases.
5. Understand the best diagnostic and therapeutic approaches for cysts and cystic neoplasms of the pancreas.
6. Recognize the basic science underpinning of our understanding of acute and chronic pancreatitis.
7. Explore the relationship of environmental toxins, including alcohol, and pancreatic diseases.
8. Appreciate the different approaches and explore effective innovations from experts around the world in managing benign and malignant pancreatic diseases.
9. Understand strategies for maximizing efficacy of pancreatic enzyme therapy.
10. Appreciate the most up-to-date research results in pancreatic diseases and their key role in defining future therapies.

### 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/International Association of Pancreatology. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.



*Division of Education*

### AMA PRA Category I Credits™

The American College of Surgeons designates this educational activity for a maximum of 27 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

7am

WEDNESDAY, NOVEMBER 1

THURSDAY, NOVEMBER 2

8am

### Meeting at a Glance

for the 2006 Joint Meeting of the American Pancreatic Association and International Association of Pancreatology

9am

10am

### Meeting Room Key

**AB:** Astor Ballroom, River Level I

**GB:** Grand Ballroom, River Level II

**GC:** Grand Court, River Level II

**PB:** Promenade Ballroom, River Level II

11am

12pm

1pm

2pm

3pm

4pm

Pre-registration  
**GC**

5pm

6pm

**Symposium:**  
Cystic Neoplasms  
**GB**

7pm

8pm

**Rolfe Foundation Lecture:**  
Novel Therapy for Adenocarcinoma **GB**

**Opening Cocktail Reception**  
**AB**

9pm

10pm

**Breakfast & Posters**  
**PB**

**Scientific Session A**  
**GB**

**Scientific Session B**  
**GB**

**NIH Update**  
**GB**

**Frank Brooks Lecture:**  
Mutations in CFTR and Pancreatic Disease **GB**

**Luncheon Seminar:**  
Revision of Atlanta  
Classification of Acute  
Pancreatitis **GB**

**Luncheon Seminar:**  
Basic Science Proteomics  
in the Diagnosis of  
Pancreatic Diseases **AB**

**Symposium:**  
Programmed Cell Death  
**GB**

**APA Business Meeting**  
**GB**

**Scientific Session C**  
**GB**

**Symposium:**  
Autoimmune Chronic Pancreatitis  
**GB**

**FRIDAY, NOVEMBER 3**

**SATURDAY, NOVEMBER 4**

|   |  |   |  |
|---|--|---|--|
| <b>Breakfast &amp; Posters</b><br><b>PB</b>   |  | <b>Breakfast &amp; Posters</b><br><b>PB</b>   |  |
| <b>Scientific Session D</b><br><b>GB</b>  |  | <b>Symposium:</b><br>Signal Transduction of the Pancreas<br><b>GB</b>   |  |
| <b>Symposium:</b><br>Endoscopic and Minimally Invasive<br>Therapy for Pancreatic Disease<br><b>GB</b> |  | <b>Symposium:</b><br>Alcohol and the Pancreas<br><b>GB</b>  |  |
| <b>IAP Founders Lecture: Severe Acute Pancreatitis:</b><br>From Bedside to Survival Benefit <b>GB</b> |  | <b>Symposium:</b><br>Trigger Mechanisms of Acute Pancreatitis<br><b>GB</b>  |  |
| <b>APA Research State-of-the-Art Lecture:</b><br>Stellate Cells <b>GB</b>                             |  |   |  |
| <b>Luncheon Seminar:</b><br>Chronic Pancreatitis:<br>International Perspective<br><b>GB</b>           | <b>Luncheon Seminar:</b><br>Pancreatic Stem Cells<br>and Their Role in<br>Pancreatic Disease <b>AB</b> | <b>Luncheon Seminar:</b><br>Neurobiology and<br>Treatment of Pain in<br>Chronic Pancreatitis <b>GB</b>  | <b>Luncheon Seminar:</b><br>Transgenic Mouse Models<br>of Pancreatic Cancer<br><b>AB</b> |
| <b>Symposium:</b><br>Molecular Biology in Adenocarcinoma<br><b>GB</b>                                 |  | <b>State-of-the-Art Lecture:</b><br>Pancreatic Cancer—Japanese Experience <b>GB</b>   |  |
|   |  | <b>State-of-the-Art Lecture:</b><br>Optimizing Enzyme Substitution Therapy <b>GB</b>  |  |
| <b>Award Presentation</b><br><b>GB</b>  |  | <b>Scientific Session F</b><br><b>GB</b>  |  |
| <b>Scientific Session E</b><br><b>GB</b>  |  | <div style="border: 1px solid black; padding: 20px; width: fit-content; margin: auto;"> <p><b>Poster Sessions</b><br/> <b>Pages 25 to 52</b></p> </div> |  |
| <b>IAP Business Meeting</b><br><b>AB</b>  |  |   |  |
|   |  |   |  |
| <b>Annual Banquet</b><br><b>GB</b>  |  |   |  |



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**PROGRAM SCHEDULE**

**Wednesday, November 1, 2006**

4:00pm to 7:30pm **Registration & Speaker Ready Room**  
Registration is in the Grand Court, River Level II  
Speaker Ready Room is in the Caucus Room, River Level II

4:00pm to 6:00pm **APA Executive Council Meeting**  
Executive Room

6:00pm to 7:30pm **Symposium: Cystic Neoplasms**  
Grand Ballroom, River Level II

*Moderators*

Howard Reber, MD  
UCLA School of Medicine  
Los Angeles, California

José Eduardo Monteiro Cunha, MD  
São Paulo University School of Medicine  
São Paulo, Brazil

*Diagnosis: Imaging, EUS, and Fluid Analysis*

James Farrell, MD  
University of California, Los Angeles  
Los Angeles, California

*Pathologic Variants and Natural History*

N. Volken Adsay, MD  
Wayne State University  
Detroit, Michigan

*Mucin Subtypes and Molecular Pathology*

David Klimstra, MD  
Memorial Sloan-Kettering Cancer Center  
New York, New York

*Surgical Management*

Carlos Fernández-del Castillo, MD  
Massachusetts General Hospital  
Boston, Massachusetts

7:30pm  
to 8:00pm

### **Rolfe Foundation Lecture**

Grand Ballroom, River Level II

*Moderator*

Mark Talamonti, MD

Northwestern University Medical School

Chicago, Illinois

*Novel Therapy for Adenocarcinoma*

Anil Rustgi, MD

University of Pennsylvania School of Medicine

Philadelphia, Pennsylvania

8:00pm  
to 10:00pm

### **Opening Cocktail Reception**

*Co-sponsored by The Lustgarten Foundation  
for Pancreatic Cancer Research*

Astor Ballroom, River Level I

Conclusion of Wednesday Programs

## **Thursday, November 2, 2006**

6:30am  
to 7:00pm

### **Registration & Speaker Ready Room**

Registration is in the Grand Court, River Level II

Speaker Ready Room is in the Caucus Room, River Level II

6:30am  
to 8:00am

### **IAP Executive Council Meeting**

Executive Room

7:00am  
to 8:30am

### **Breakfast & Posters**

*Interactive session with abstract authors, moderators and  
program participants. For today's poster sessions, see page 25.*

Promenade Ballroom, River Level II

7:00am  
to 5:00pm

### **Exhibits**

Grand Court, River Level II

8:00am  
to 10:00am

### **Spouse/Companion Breakfast**

Astor Ballroom, River Level I

8:30am  
to 10:00am

### **Scientific Session A**

Grand Ballroom, River Level II

*Moderators*

Edwin Thrower, PhD

Michael Larvin, MD

**8:30am to 8:45am** Exocrine Pancreatic Secretion is Inhibited in L-Arginine Induced Pancreatitis in Mice  
**R. Dawra**, R. Sharif, V.P. Singh, P.A. Phillips, V. Dudeja, A. Saluja. University of Massachusetts Medical School, Dept of Surgery, Worcester, MA; University of Minnesota, Minneapolis, MN

**8:45am to 9:00am** Timing of Surgical Intervention in Necrotizing Pancreatitis  
**M. Besselink**, E. Schoenmaeckers, E. Buskens, B. Ridwan, M. Visser, V. Nieuwenhuijs, H. Gooszen. Departments of Surgery, Julius Center for Health Sciences and Primary Care and Microbiology, University Medical Center Utrecht, the Netherlands

**9:00am to 9:15am** Hedgehog Pathway Activation In Acute Injury and Regeneration in Adult Mouse Pancreas  
**V. Fendrich**, F. Esni, G. Feldmann, R. Megiud, S. Leach, A. Maitra. Departments of Surgery, Cell Biology and Pathology, Johns Hopkins University School of Medicine, Baltimore, MD; Department of Surgery, Philipps-University Marburg, Marburg, Germany

**9:15am to 9:30am** Minimal Access, Endoscopic Drainage/Debridement of Walled-off Necrosis after Necrotizing Pancreatitis  
**G.I. Papachristou**, N. Takahashi, P. Chahal, M.G. Sarr, T.H. Baron. Mayo Clinic College of Medicine, Rochester, MN

**9:30am to 9:45am** Treatment of Pancreatitis with an Orally Available Elastase Inhibitor  
**J. Mayerle**, M. Ruthenburger, F.U. Weiss, W. Halangk, M.M. Lerch. Department of Gastroenterology, Endocrinology and Nutrition, Ernst-Moritz-Arndt-University, Greifswald, Germany; Division of Experimental Surgery, Otto-von-Guericke-University, Magdeburg, Germany

**9:45am to 10:00am** Bile and Fatty Acid Ethyl Ester Cause Necrosis of Pancreatic Acinar Cells by Potentiation of Second Messenger Receptor Calcium Release  
**J.A. Murphy**, D.N. Criddle, J.P. Neoptolemos, A.V. Tepikin, O.H. Petersen, R. Sutton. MRC Group, Physiological Laboratory and Division of Surgery and Oncology, University of Liverpool, UK

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**10:00am to 10:15am** **Morning Beverage Break**  
Grand Court, River Level II

**10:00am to 2:00pm** **Spouse Tour: Art Institute**  
Bus departs at 10am from the main entrance

10:15am  
to 11:30am

## Scientific Session B

Grand Ballroom, River Level II

### *Moderators*

Asif Khalid, MD

Jörg Kleeff, MD

10:15am  
to 10:30am

### Pancreatic Stellate Cells Stimulate Pancreatic Cancer Growth and Metastasis: Findings of a Novel Orthotopic Model of Pancreatic Cancer

S. Joshi, A. Vonlaufen, Z.H. Xu, B. Daniel, C.F. Qu, R.K. Kumar, R. Pirola, J. Wilson, D. Goldstein, **M. Apte**. Pancreatic Research Group, The University of New South Wales, Sydney, Australia

10:30am  
to 10:45am

### Inactive Aldehyde Dehydrogenase 2 is an Independent Risk of Pancreatic Cancer in a Japanese Population

**A. Funakoshi**, K. Miyasaka, T. Yamanaka, T. Kawanami, T. Sumii, F. Ando, H. Shimokata, S. Ohta; Dept of Gastroenterology and Research Institute, National Kyushu Cancer Center; Dept of Clinical Physiology, Tokyo Metropolitan Institute of Gerontology; Dept of Epidemiology, National Institute for Longevity Sciences; Dept of Biochemistry and Cell Biology, Institute of Gerontology, Nippon Medical School, Japan

10:45am  
to 11:00am

### Expression of FGFR1-IIIb Inhibits Pancreatic Cancer Cell Growth in Vitro and in Vivo

**M. Kornmann**, S. Zhou, D. Henne-Bruns, M. Korc, M. Bachem, Z. Liu. Dept. of Visceral and Transplantation Surgery and Clinical Chemistry, University of Ulm, Germany; Medicine, Pharmacology and Toxicology, Dartmouth Medical School, Hanover, New Hampshire; General Surgery, Peking University First Hospital, Beijing, China

11:00am  
to 11:15am

### Meta-Analyses of the Management of Locally Advanced and Metastatic Pancreatic Cancer

**A. Sultana**, C. Tudur Smith, P. Ghaneh. Division of Surgery and Oncology, Centre for Medical Statistics and Health Evaluation, University of Liverpool, UK

11:15am  
to 11:30am

### Noninvasive MRI Imaging: A Sensitive Indicator of Physiologic Changes Accompanied with Anti-Hedgehog Therapy in Pancreatic Ductal Adenocarcinoma (PDAC) Xenograft Model

**A.R. Guimaraes**, E.Y. Rakhlin, D. Long, R. Weissleder, S.P. Thayer. Center for Molecular Imaging Research, Department of Surgery, Massachusetts General Hospital, Boston, MA

11:30am  
to 12:00pm

### **NIH Update**

Grand Ballroom, River Level II

*Moderators*

Ashok Saluja, PhD  
University of Minnesota  
Minneapolis, Minnesota

Vishnu Purchit, MD  
National Institute of Health  
Bethesda, Maryland

Jose Serrano, MD  
National Institute of Health  
Bethesda, Maryland

12:00pm  
to 12:30pm

### **Frank Brooks Memorial Lecture**

Grand Ballroom, River Level II

*Moderator*

Chris Forsmark, MD  
University of Florida  
Gainesville, Florida

*Mutations in CFTR and Pancreatic Disease*

Jonathan Cohn, MD  
Duke University  
Durham, North Carolina

12:30pm  
to 1:30pm

### **Luncheon Seminar: Clinical**

Grand Ballroom, River Level II

*Moderator*

Christos Dervenis, MD

*Revision of Atlanta Classification of Acute Pancreatitis*

Edward Bradley, MD  
Florida State University College of Medicine  
Sarasota, Florida

Michael Sarr, MD  
Mayo Clinic  
Rochester, Minnesota

12:30pm  
to 1:30pm

**Luncheon Seminar: Basic Science**

Astor Ballroom, River Level I

*Moderator*

Richard H. Bell Jr., MD  
American Board of Surgery  
Philadelphia, Pennsylvania

*Proteomics in the Diagnosis of Pancreatic Diseases*

Teresa Brentnall, MD  
University of Washington  
Seattle, Washington

1:30pm  
to 3:00pm

**Symposium: Programmed Cell Death**

Grand Ballroom, River Level II

*Moderators*

Maria Vaccaro, PhD  
Buenos Aires University and Cemic University Hospital  
Buenos Aires, Argentina

Richard H. Bell Jr., MD  
American Board of Surgery  
Philadelphia, Pennsylvania

*The Role of JNK Kinases in Programmed Cell Death*

Roger Davis, PhD, FRS  
University of Massachusetts Medical Center  
Dartmouth, Massachusetts

*Cell Death and Acute Pancreatitis*

Anna Gukovskaya, PhD  
University of California at Los Angeles  
Los Angeles, California

*Cell Death Pathways in Pancreatic Cancer*

Thomas Adrian, PhD  
United Arab Emirates University  
Dubai, UAE

3:00pm  
to 3:30pm

**APA Annual Business Meeting**

Grand Ballroom, River Level II  
Christopher Forsmark, MD, APA President

3:30pm  
to 3:45pm

**Afternoon Beverage Break**

Grand Court, River Level II

3:45pm  
to 5:30pm

## Scientific Session C

Grand Ballroom, River Level II

### *Moderators*

Aurelia Lugea, MD

Makoto Otsuki, MD, PhD

3:45pm  
to 4:00pm

### A New Protective Mechanism of Hsp27: Interaction with PKC and Induction of Bcl-2 Expression in Acute Pancreatitis

A. Malo, B. Ziehe, C. Kubisch, B. Göke, **C. Schäfer**.

Medical Clinic II - Klinikum Grosshadern, Ludwig-Maximilians-University, Munich, Germany

4:00pm  
to 4:15pm

### Role of D-Dimer in Early Prediction of Severity in Acute Pancreatitis

**D. Radenkovic**, D. Bajec, N. Ivancevic, N. Milic, A. Karamarkovic, V.

Jeremic, P. Gregoric, V. Djukic, B. Stefanovic. Center for Emergency Surgery, Clinical Center of Serbia and School of Medicine, Institute for Medical Statistics, School of Medicine, University of Belgrade, Serbia

4:15pm  
to 4:30pm

### The Role of Pancreatic Phospholipase A2 in Experimental Pancreatitis

M. Ruthenbürger, J. Mayerle, B. Brandt-Nedelev, I. Jaroscakova, T.

Wartmann, D.Y. Hui, W. Halangk, **M.M. Lerch**. Department of Gastroenterology, Endocrinology and Nutrition, Ernst-Moritz-Arndt-University, Greifswald, Germany; Division of Experimental Surgery, Otto-von-Guericke University, Magdeburg, Germany; Department of Pathology and Laboratory Medicine, University of Cincinnati, Cincinnati, OH

4:30pm  
to 4:45pm

### Videoscopic Assisted Retroperitoneal Debridement in Infected Necrotizing Pancreatitis: Initial Results and the Start of a Nationwide Randomized Controlled Trial

**H. van Santvoort**, M. Besselink, T. Bollen, M. van Leeuwen, B. van Ramshorst, H. Gooszen. Department of Surgery, Radiology, University Medical Center, Utrecht; Department of Surgery, Department of Radiology, St. Antonius Hospital, Nieuwegein; Department of Surgery, Dutch Acute Pancreatitis Study Group, The Netherlands

4:45pm  
to 5:00pm

### Bacterial Endotoxin: A Trigger Factor for Alcoholic Pancreatitis (AP)? Evidence from a Novel, Physiologically Relevant Animal Model

A. Vonlaufen, Z. Xu, B. Daniel, S. Joshi, R.K. Kumar, R.

Pirola, J. Wilson, M. Apte. Pancreatic Research Group, The University of New South Wales, Sydney, Australia

5:00pm  
to 5:15pm Human Pancreatic Acinar Cells Have Functional  
Cholecystokinin Receptors

**J.A. Murphy**, D.N. Criddle, M. Sherwood, E. McLaughlin,  
M.G.T. Raraty, P. Ghaneh, J.P. Neoptolemos, A.V. Tepikin, O.H.  
Petersen, R. Sutton. MRC Group, Physiological Laboratory and  
Division of Surgery and Oncology, University of Liverpool, UK

5:15pm  
to 5:30pm The Trypsinogen Activator Enterokinase Promotes  
Pancreatic Inflammatory Pain

**E.P. Ceppa**, S.W. Grahn, L. Divino, K.S. Kirkwood. Department of  
Surgery, Duke University Medical Center, Durham NC; Department of  
Surgery, University of California - San Francisco, San Francisco, CA

5:30pm  
to 7:00pm **Symposium: Autoimmune Chronic Pancreatitis**

*Sponsored by The National Pancreas Foundation*  
Grand Ballroom, River Level II

*Moderators*

Eugene DiMagno  
Mayo Clinic  
Rochester, Minnesota

Seiki Matsuno  
Tohoku University  
Sendai, Japan

*Clinical, Serological, and Radiological Features  
of AIP and Its Systemic Manifestations*

Terumi Kamisawa, MD  
Tokyo Metropolitan Komagome Hospital  
Tokyo, Japan

*Pathology of Pancreatic and Extrapancreatic Manifestations of AIP*

Giuseppe Zamboni, MD  
Università di Verona  
Negrar-Verona, Italy

*Insights into Pathogenesis of AIP*

Kazuichi Okazaki, MD  
Kansai Medical University Hirakata University Hospital  
Sinmachi, Japan

*Diagnosis and Therapy of AIP and Its Systemic Manifestations*

Suresh Chari, MD  
Mayo Clinic  
Rochester, Minnesota

**Conclusion of Thursday Programs**



## Friday, November 3, 2006

6:30am to 6:00pm **Registration & Speaker Ready Room**  
Registration is in the Grand Court, River Level II  
Speaker Ready Room is in the Caucus Room, River Level II

7:00am to 8:30am **Breakfast & Posters**  
*Interactive session with abstract authors, moderators and program participants. For today's poster sessions, see page 34.*  
Promenade Ballroom, River Level II

7:00am to 5:00pm **Exhibits**  
Grand Court, River Level II

8:00am to 10:00am **Spouse/Companion Breakfast**  
Astor Ballroom, River Level I

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8:30am to 10:00am **Scientific Session D**  
Grand Ballroom, Level II

*Moderator*  
Claudio Bassi, MD  
Martin Fernandez-Zapico, PhD

8:30am to 8:45am **A Defined Survival Pathway Underlies the Critical Effects of Hedgehog on Pancreatic Carcinogenesis**  
**M.E. Fernandez-Zapico.** Gastroenterology Research Unit, Mayo Clinic College of Medicine, Rochester, MN

8:45am to 9:00am **Branch Duct Intraductal Papillary Mucinous Neoplasms of the Pancreas (IPMNs): Confirmed Findings in 145 Resected Patients**  
**J.R. Rodriguez,** R. Salvia, S. Crippa, C. Bassi, P. Pederzoli, P. Capelli, G. Lauwers, M. Mino-Kenudson, D. McGrath, O. Razo, S.P. Thayer, A.L. Warshaw, C. Fernández-del Castillo. Departments of Surgery and Pathology, Massachusetts General Hospital, Boston, MA; Departments of Surgery and Pathology, University of Verona, Italy

9:00am to 9:15am **Heat Shock Protein 70 (HSP70) Confers Resistance to Apoptosis in Pancreatic Cancer Cells by Lysosomal Stabilization**  
**V. Dudeja,** P. Phillips, R. Sharif, Y. Zhan, R. Dawra, A. Saluja. University of Massachusetts Medical School, Dept of Surgery, Worcester, MA; University of Minnesota, Minneapolis, MN

9:15am  
to 9:30am

**Do Indications for Resection in Branch Duct Intraductal Papillary Mucinous Neoplasm Predict Malignancy? A Study of 147 Patients**

**M. Pelaez-Luna**, S.T. Chari, T.C. Smyrk, N. Takahashi, J.E. Clain, M.J. Levy, R.K. Pearson, B.T. Petersen, M.D. Topazian, S.S. Vege, M. Kendrick, M.B. Farnell. Divisions of Gastroenterology and Hepatology, Anatomic Pathology, Radiology and Gastroenterologic Surgery, Mayo Clinic College of Medicine, Rochester, MN

9:30am  
to 9:45am

**SERPINA1 (alpha-1-antitrypsin) as a Potential Marker for Malignancy of Insulinomas**

S.V. Sá, M.L. Corrêa-Giannella, M.C. Machado, K. Krogh, M.Q. Almeida, M.A.A. Pereira, S.A.C. Siqueira, R.A. Patzina, F.S. Ibuki, M.C. Sogayar, **M.C.C. Machado**, D. Giannella-Neto. Lab for Cellular and Molecular Endocrinology LIM-25 and Division of Transplant and Liver Surgery; (Faculdade de Medicina); Division of Endocrinology and Department of Pathology (Hospital das Clínicas), Department of Biochemistry (Instituto de Química), University of Sao Paulo, Sao Paulo-SP, Brazil

9:45am  
to 10:00am

**Identification of Unique Differential Proteomic Biomarkers in Pancreatic Cystic Neoplasm Fluid**

**J. Farrell**, P. Souda, B. Hasanzadeh, J. Whitelegge, K. Faull. Division of Digestive Diseases, UCLA School of Medicine, Los Angeles, CA; The Pasarow Mass Spectrometry Laboratory, Neuropsychiatric-Semel Institute for Neuroscience and Human Behavior, UCLA, Los Angeles, CA

10:00am  
to 10:15am

**Morning Beverage Break**

Grand Court, River Level II

10:15am  
to 11:30am

**Symposium: Endoscopic and Minimally Invasive Therapy for Pancreatic Disease**

Grand Ballroom, River Level II

*Moderators*

Bettina Rau, MD  
Adam Slivka, MD, PhD

*Endoscopic Therapy of Pancreatic Necrosis: Ready for Prime Time?*

David Carr-Locke, MD  
Brigham & Women's Hospital  
Boston, Massachusetts

**Symposium continues on next page**

**Symposium: Endoscopic and Minimally Invasive  
Therapy for Pancreatic Disease (Cont'd)**

*Laparoscopic Pancreatic Resection: Applications and Pitfalls*

Steven Strasberg, MD  
Washington University  
Saint Louis, Missouri

*Endoscopic Evaluation and Palliation of Pancreatic  
Adenocarcinoma: Current and Future Options*

Robert Hawes, MD  
Charleston, South Carolina

11:30am  
to 12:00pm

**IAP Founders Lecture**

*Sponsored by Center for Pancreatic Disease—  
Brigham and Women's Hospital*  
Grand Ballroom, River Level II

*Moderator*

Peter Banks, MD  
Brigham and Women's Hospital  
Boston, Massachusetts

*Severe Acute Pancreatitis: From Bedside to Survival Benefit*

Hans Beger, MD  
University of Ulm  
Ulm, Germany

12:00pm  
to 12:30pm

**APA Research State-of-the-Art Lecture**

Grand Ballroom, River Level II

*Moderator*

Chris Forsmark, MD  
University of Florida  
Gainesville, Florida

*Stellate Cells*

Scott Friedman, MD  
Mount Sinai School of Medicine  
New York, New York

12:30pm  
to 1:30pm

**Luncheon Seminar: Clinical**

Grand Ballroom, River Level II

*Moderator*

Darwin Conwell, MD  
Cleveland Clinic Foundation  
Cleveland, Ohio

*Chronic Pancreatitis: International Perspective*

Rakesh Tandon, MD  
Pushpawati Singhanian Research Institute  
New Delhi, India

Guillermo Robles-Diaz, MD  
Universidad Nacional Aut6noma de Mexico  
Mexico

Phillip C. Bornman, MD  
Capetown, South Africa

12:30pm  
to 1:30pm

**Luncheon Seminar: Basic Science**

Astor Ballroom, River Level I

*Moderator*

Steven Leach, MD  
Johns Hopkins University  
Baltimore, Maryland

*Pancreatic Stem Cells and Their Role in Pancreatic Disease*

Diane Simeone, MD  
University of Michigan Medical School  
Ann Arbor, Michigan

1:30pm  
to 3:15pm

**Symposium: Molecular Biology in Adenocarcinoma**

Grand Ballroom, River Level II

*Moderators*

Andrew Warshaw, MD  
Harvard Medical School  
Boston, Massachusetts

John Neoptolemos, MA, MB, BChir, MD  
University of Liverpool  
Liverpool, United Kingdom

*Mouse Models of Pancreatic Cancer*

Roland Schmid, MD  
Technical University of Germany  
Munich, Germany

*The Role of Mucins in Pancreatic Cancer*

Surinder Batra, PhD  
University of Nebraska Medical Center  
Omaha, Nebraska

**Symposium continues on next page**

**Symposium: Molecular Biology in Adenocarcinoma (Cont'd)**

*Signaling Pathways*

Richard Kolesnick, MD  
Memorial Sloan-Kettering  
New York, New York

*Epithelial Stem Cells in Pancreatic Adenocarcinoma*

Steven Leach, MD  
Johns Hopkins University  
Baltimore, Maryland

3:15pm  
to 3:45pm

**Award Presentations**

Grand Ballroom, River Level II

*Go Award for Lifetime Achievement Award*

*Hirshberg Foundation Award*

*The National Pancreas Foundation Award*

3:45pm  
to 4:00pm

**Afternoon Beverage Break**

Grand Court, River Level II

4:00pm  
to 6:00pm

**Scientific Session E**

Grand Ballroom, River Level II

*Moderators*

Michelle Anderson, MD

Julia Mayerle, MD

4:00pm  
to 4:15pm

**Pancreas Divisum is not Associated with Idiopathic  
Pancreatitis: The Case Against Endoscopic Therapy**

**M.J. DiMagno**, E.P. DiMagno. Depts. of Internal Medicine,  
University of Michigan Medical School, Ann Arbor, MI,  
Mayo Clinic College of Medicine, Rochester, MN

4:15pm  
to 4:30pm

**Transgenic Expression of Activated K-ras in Pancreatic Acinar Cells  
Causes Pancreatic Damage Resembling Chronic Pancreatitis**

B. Ji, J. Song, C.D. Logsdon. Departments of Cancer  
Biology and GI Medical Oncology, University of Texas  
M.D. Anderson Cancer Center, Houston, TX

- 4:30pm to 4:45pm** **Characteristics after Secretin Stimulation Test of Subjects with Chronic Abdominal Pain and Normal Abdominal Imaging**  
A. Brown, C. Epi, D. Dasilva, V. Malin, S. Sheth, S. Freedman.  
The Pancreas Center, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA
- 4:45pm to 5:00pm** **CFTR Gene Transfer to Human Cystic Fibrosis Pancreatic Duct Cells Upregulates Apical Cl<sup>-</sup>/HCO<sub>3</sub><sup>-</sup>-Exchange Activity**  
Z. Rakonczay Jr., P. Hegyi, M. Hasegawa, M. Inoue, J. You, A. Iida, I. Ignáth, E.W.F.W. Alton, U. Griesenbach, G. Óvári, A.C. Da Paula, G. Varga, M.D. Amaral, B.E. Argent, M.A. Gray. Institute for Cell and Molecular Biosciences, University of Newcastle upon Tyne; First Department of Medicine, University of Szeged; DNAVEC Corporation; Tsukuba, Ibaraki, Japan; Molecular Oral Biology Research Group, Department of Oral Biology, Semmelweis University; Department of Gene Therapy, National Heart and Lung Institute, Imperial College, London, UK.; Centre of Human Genetics, NIH, Lisboa, Portugal
- 5:00pm to 5:15pm** **13C-Mixed Triglyceride Breath Test (13C-MTG) Demonstrates Superiority of Enteric Coated Monolithic Enzyme Preparation Over Placebo: A Multicentre, Double Blind, Placebo Controlled Cross-Over Trial**  
J. Keller, P. Layer. Israelitic Hospital, University of Hamburg, Germany
- 5:15pm to 5:30pm** **Signal Peptide Mutations that Impair Secretion of Pancreatic Secretory Trypsin Inhibitor (SPINK1) Cause Autosomal Dominant Hereditary Pancreatitis**  
O. Király, A. Boulling, H. Witt, C. Le Maréchal, J.-M. Chen, C. Férec, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University, Goldman School of Dental Medicine, Boston, MA; INSERM, U613; Etablissement Français du Sang - Bretagne; and Université de Bretagne Occidentale, Brest, France; Department of Hepatology and Gastroenterology, Charité, Berlin, Germany
- 5:30pm to 5:45pm** **Diagnosis of Chronic Pancreatitis: Endoscopic Ultrasonography, MRI-Pancreatography or Both?**  
J. Iglesias-García, C. Villalba, J. Lariño-Noia, J.E. Domínguez-Muñoz. Departments of Gastroenterology and Radiology, University Hospital. Santiago de Compostela, Spain
- 5:45pm to 6:00pm** **Comparison of Drinking Patterns in Alcoholic Chronic Pancreatitis and Alcoholic Liver Cirrhosis Patients in India**  
V. Balakrishnan, R. Lakshmi, B. Cini, T.N. Rekha, V.A. Narayanan. Digestive Diseases Institute, Amrita Institute of Medical Sciences, Cochin, Kerala, India

6:00pm **IAP Annual Business Meeting**  
to 6:30pm Astor Ballroom, River Level I  
Peter Banks, MD, IAP President

7:30pm **Banquet**  
to 10:00pm 7:30pm: Cocktails, Grand Court, River Level II  
8:00pm: Buffet Dinner & Entertainment, Grand Ballroom, River Level II

### Conclusion of Friday Programs

## Saturday, November 4, 2006

6:30am **Registration & Speaker Ready Room**  
to 3:00pm Registration is in the Grand Court, River Level II  
Speaker Ready Room is in Burnham Park

7:00am **Breakfast & Posters**  
to 8:30am *Interactive session with abstract authors, moderators and program participants. For today's poster sessions, see page 43.*  
Promenade Ballroom, River Level II

7:00am **Exhibits**  
to 12:00pm Grand Court, River Level II

8:30am **Symposium: Signal Transduction of the Pancreas**  
to 10:00am Grand Ballroom, Level II

*Moderators*  
Markus Lerch, MD  
Ernst-Moritz-Arndt-Universität Greifswald  
Greifswald, Germany

Michael Steer, MD  
Tufts University School of Medicine  
Boston, Massachusetts

*Pancreatic Signal Transduction and Second Messengers*  
Schmuel Muallem, PhD  
University of Texas Southwestern Medical Center  
Dallas, Texas

*Hedgehog Signaling in Pancreatic Disease and Development*  
Matthias Hebrok, PhD  
University of California, San Francisco  
San Francisco, California

*The Regulation of Histones and HP-1 Signalling*  
Raul Urrutia, MD, PhD  
Mayo Clinic  
Rochester, Minnesota

10:00am  
to 10:15am

### **Morning Beverage Break**

Grand Court, River Level II

10:15am  
to 11:00am

### **Symposium: Alcohol and the Pancreas**

Grand Ballroom, Level II

#### *Moderators*

David Whitcomb, MD  
University of Pittsburgh  
Pittsburgh, Pennsylvania

Jeremy Wilson, MD  
The University of New South Wales  
Sydney, Australia

#### *Pleasure Today, Pain Tomorrow: Alcohol and Pancreatitis*

Minoti Apte, MBBS, MmedSci, PhD  
South Western Sydney Clinical School  
Sydney, Australia

#### *Acute effects of Alcohol on the Pancreatic Acinar Cell*

Fred Gorelick, MD  
Yale University School of Medicine and VA Healthcare, CT  
West Haven, Connecticut

11:00am  
to 12:30pm

### **Symposium: Trigger Mechanisms of Acute Pancreatitis**

Grand Ballroom, Level II

#### *Moderators*

Ashok Saluja, PhD  
University of Minnesota  
Minneapolis, Minnesota

Tooru Shimosegawa, MD  
Tohoku University Graduate School of Medicine  
Sendai, Japan

#### *Calcium Signaling in Acute Pancreatitis*

Robert Sutton, Dphil.  
University of Liverpool  
Liverpool, United Kingdom

#### *Is Trypsinogen Activation Really Important in Pancreatitis?*

Miklos Sahin-Toth, MD, PhD  
Boston University Medical Center  
Boston, Massachusetts

**Symposium continues on next page**



**Symposium: Trigger Mechanisms of Acute Pancreatitis (Cont'd)**

*Inflammatory Mediators in Pancreatitis*

Madhav Bhatia, PhD  
National University of Singapore,  
Yong Loo Lin School of Medicine  
Singapore

*Clinical Application of Antagonists of Pro Inflammatory Mediators*

Colin Johnson, MChir  
Southampton General Hospital  
Southampton, United Kingdom

12:30pm  
to 1:30pm

**Luncheon Seminar: Clinical**

Grand Ballroom, Level II

*Moderator*

James Grendell, MD  
Winthrop University Hospital/SUNY  
Mineola, New York

*Neurobiology and Treatment of Pain in Chronic Pancreatitis*

Paul Lankisch, MD  
Klinik für Allgemeine Innere Medizin  
Lüneburg, Germany

Jay Pasricha, MD  
University of Texas Medical Branch  
Galveston, Texas

12:30pm  
to 1:30pm

**Luncheon Seminar: Basic Science**

Astor Ballroom, River Level I

*Moderator*

Craig Logsdon, PhD  
Cancer Biology and GI Medical Oncology  
Houston, Texas

*Transgenic Mouse Models of Pancreatic Cancer*

Paul Grippo, PhD  
Northwestern University Feinberg School of Medicine  
Chicago, Illinois

1:30pm  
to 2:00pm

### State-of-the-Art Lecture

Grand Ballroom, Level II

*Moderator*

Katsusuke Satake, MD  
Pancreatic Research Foundation of Japan  
Tokyo, Japan

*Pancreatic Cancer—Japanese Experience*

Masao Tanaka, MD, PhD  
Kyushu University  
Fukuoka, Japan

2:00pm  
to 2:30pm

### State-of-the-Art Lecture

Grand Ballroom, Level II

*Moderator*

Phil Toskes, MD  
University of Florida  
Gainesville, Florida

*Optimizing Enzyme Substitution Therapy*

J. Enrique Domínguez-Muñoz, MD, PhD  
University Hospital of Santiago de Compostela  
Santiago de Compostela, Spain

2:30pm  
to 4:00pm

### Scientific Session F

Grand Ballroom, Level II

*Moderators*

Joseph Hines, MD  
Ewa Malecka-Panas, MD, PhD

2:30pm  
to 2:45pm

#### Evolving Patterns in the Detection of Pancreatic Neuroendocrine Tumors (PNETs): The Massachusetts General Hospital Experience

P.A. Vagefi, O. Razo, V. Deshpande, D.J. McGrath, G.Y. Lauwers, S.P. Thayer, A.L. Warshaw, C. Fernández-del Castillo. Department of Surgery, Massachusetts General Hospital, Boston, MA

2:45pm  
to 3:00pm

#### KLF14: A Novel Sp/KLF Transcriptional Repressor of the Type II TGF-Receptor in Pancreatic Cancer Leading to Gene Silencing

M.J. Truty, S. Tsuji, G. Lomberk, M. Fernandez-Zapico, R. Urrutia. Mayo Clinic College of Medicine, Rochester, MN

- 3:00pm  
to 3:15pm**     **Adjuvant Chemotherapy with Gemcitabine Versus Observation for Resected Carcinoma of the Pancreatic Head**  
J.M. Langrehr, H. Oettle, S. Post, K. Gellert, K. Ridwelski, H. Schramm, C. Zülke, G. Roll, J. Stieler, U. Pelzer, P. Neuhaus, H. Riess. Charité Campus Virchow-Klinikum, Berlin; Ruprecht-Karls-University, Mannheim; Oskar-Ziethen-Krankenhaus, Berlin; Otto-von-Guericke-University Magdeburg; Waldklinikum Gera; Universität Regensburg; Germany
- 3:15pm  
to 3:30pm**     **Cromolyn Blocks S100P Activation of RAGE and Improves Gemcitabine Effectiveness in Pancreatic Cancer**  
T. Arumugam, V. Ramachandran, C.D. Logsdon. Department of Cancer Biology and Medical Oncology, UT MD Anderson Cancer Center, Houston, TX
- 3:30pm  
to 3:45pm**     **Magnetic Resonance Imaging After Administration of Ferumoxtran-10 for Evaluation of Paraaortic Lymph Node Metastasis in Patients with Pancreatic Cancer**  
K. Takaori, N. Tanigawa, M. Matsuki, T. Agui, Y. Miyamoto, M. Iwamoto, I. Narabayashi. Department of General & Gastroenterological Surgery and Department of Radiology, Osaka Medical College, Osaka, Japan
- 3:45pm  
to 4:00pm**     **Comparative Morphometric Studies on Pancreatic Endocrine Cells, Including IAPP in the Normal Pancreas and in Pancreatic Tissues from Type 2 Diabetes and Pancreatic Cancer**  
K. Iki, P.M. Pour. UNMC/Eppley Cancer Center, University of Nebraska Medical Center, Omaha, NE

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**Conclusion of the 2006 Joint Meeting of the American Pancreatic Association and International Association of Pancreatology**

2006 Joint Meeting of the  
**American Pancreatic Association &  
International Association of Pancreatology**  
Chicago, Illinois • November 1-4, 2006

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**POSTER SESSIONS**

**Thursday, November 2, 2006**

Boards 50-58: Basic Science Posters of Distinction

- 50 **Low-Dose Alcohol Redirects Postprandial Cholinergic-Stimulated Apical Exocytosis to the Basolateral Membrane in Pancreatic Acinar Cells, the Susceptibility Mechanism of Alcoholic Pancreatitis**  
L. Cosen-Binker, P. Lam, Herbert Gaisano. Department of Medicine and Physiology, University of Toronto, Toronto, ON, Canada
- 51 **Macrophage Derived Prostaglandin E2 Modifies the Expression of Pancreatic MCP-1 and TNF  $\alpha$ : Simulation of Interactions Between Macrophages and Pancreatic Acinar Cells in Chronic.**  
L.K. Sun, T. Reding, M. Bain, U. Ungethuen, P.A. Clavien, D. Bimmler, R. Graf. Pancreatitis Research Laboratory, Dept. of Visceral & Transplantation Surgery, University Hospital, Zurich, Switzerland
- 52 **Ca<sup>2+</sup>-Dependent Translocation of CRHSP-28 to Plasma Membrane is Regulated by CKII Phosphorylation at Serine 136**  
D.D.H. Thomas, C.L. Martin, N.Weng, M.D. Baumler, G.E. Groblewski. University of Wisconsin, Madison, WI
- 53 **Differential Expressions of mRN**  
K. Mizumoto, K. Ohuchida, H. Yamaguchi, E. Nagai, M. Tsuneyoshi, M. Tanaka. Department of Surgery and Oncology, Department of Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Maidashi, Japan
- 54 **Silencing of Basigin by RNA Interference Reduces the Tumorigenicity of Pancreatic Cancer Cells**  
W. Schneiderhan, M. Marx, K.H. Holzmann, T. Gschwend, M. Buchholz, T. Gress, M. Siech, G. Adler, M.G. Bachem. Dept. Clinical Chemistry, Dept. of Internal Medicine, Institute of Clinical Transfusion Medicine, Interdisciplinary Center for Clinical Research, Dept. of Urology, University of Ulm, Germany; Dept. of Gastroenterology, University of Marburg, Germany; Klinikum Aalen, Germany

- 55 **Adrenomedullin is an Autocrine Regulator of Pancreatic Cancer Acting via the ADMR Receptor**  
V. Ramachandran, T. Arumugam, D.M. Simeone, C.D. Logsdon. Depts. of Cancer Biology and Molecular Oncology, UT MD Anderson Cancer Center, Houston, TX; Dept. of Surgery, University of Michigan, Ann Arbor, MI
- 56 **Isolation of WD40 Proteins as Potential Co-Repressors for the TGF $\beta$ -Inducible Tumor Suppressor Gene KLF11**  
S. Tsuji, J. Zhang, G. Lomber, M. Fernandez-Zapico, R. Urrutia. GI Research Unit, Mayo Clinic College of Medicine, Rochester, MN
- 57 **Prophylactic Probiotics Reduce Bacterial Translocation and Improve Outcome in Experimental Pancreatitis**  
L.P. van Minnen, H.M. Timmerman, F. Lutgendorff, A. Verheem, W. Harmsen, S.R. Konstantinov, H. Smidt, M.R. Visser, G.T. Rijkers, H.G. Gooszen, L.M.A. Akkermans. Department of Surgery, Department of Medical Microbiology, Department of Pediatric Immunology, University Medical Center, Utrecht; Laboratory of Microbiology, Agrotechnology and Food Sciences Group, Wageningen University, Wageningen; Department of Medical Microbiology and Immunology, St. Antonius Hospital, Nieuwegein, The Netherlands
- 58 **Role of the Cholinergic System in Alcohol-Induced Pancreatitis**  
A. Lugea, J. Nieto, I. Gukovsky, A. Satoh, S.J. Pandol. Research Center for Alcoholic Liver and Pancreatic Diseases, VAGLAHS & University of California, Los Angeles, Los Angeles, CA

Boards 59-87: Basic Science Posters

- 59 **Pancreatitis-Induced Acute Lung Injury: Study in Perfused Rat Lungs**  
D. Morel, B. Cikirikcioglu, M. Taponnier, C. Pastor, J. Frossard. Département d'Anesthésie et Division de Gastroentérologie, Hôpitaux Universitaires de Genève, Geneva, Switzerland; Intensive Care Unit, UCSF, San Francisco, CA
- 60 **Cellular Differentiation Determines the Expression of the Hypoxia-Inducible Protein NDRG1 in Pancreatic Cancer**  
E. Angst, S. Sibold, C. Tiffon, R. Weimann, B. Gloor, D. Candinas, D. Stroka. Department of Visceral and Transplant Surgery, University Hospital Berne, Berne, Switzerland; Institute of Pathology, University of Bern, Bern, Switzerland
- 61 **Galanin Antagonism Ameliorates Caerulein-Induced Acute Pancreatitis (AP) in a Mouse Model**  
M. Bhandari, A. Thomas, C. Carati, M. Kawamoto, J. Toouli, G. Saccone. Depts. of General and Digestive Surgery, Anatomical

Pathology, Anatomy and Histology, Flinders Medical Centre,  
Flinders University, Adelaide, South Australia, Australia

- 62 **Inhibition of Matrix Metalloproteinase 9 with Doxycycline Reduces Neutrophil Migration in Pancreatitis-Associated Lung Injury**  
M. Sochor, V. Friebe, S. Hempel, U. Adam, U. Hopt, T. Keck. Department of General and Visceral Surgery, University of Freiburg, Freiburg, Germany
- 63 **In Vivo Suppression of mafA mRNA Using siRNA and Resulting Alteration of Gene Expression Profile in Mouse Pancreas by Microarray Analysis**  
M. Tsuchiya, A. Maeda, M. Shigemoto, K. Tsuchiya. Institute of Geriatrics, Aoyama Hospital, Department of Medicine IV3, Tokyo Women's Medical University, Tokyo, Japan
- 64 **Severe Necrotizing Pancreatitis in Mice Induced by Retrograde Taurocholate Infusion into the Common Bile Duct**  
U.A. Wittel, B. Boss, R. Lauch, U.T. Hopt. Department of General- and Visceral Surgery, Universitätsklinik Freiburg, Freiburg, Germany
- 65 **The Role of Nitric Oxide in Caerulein-Induced Acute Pancreatitis in Mice**  
S. Adhikari, A. Ang, P. Moore, M. Bhatia. Department of Pharmacology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore
- 66 **Expression and Role of Type 1 and 2 Isoforms of Ubiquitin-Specific Protease 14 in Human Pancreatic Cancer**  
T. Ishiwata, K. Cho, S. Ishiwata, Y. Fujiwata, T. Fujii, T. Suzuki, K. Kawahara, N. Nakazawa, E. Uchida, T. Tajiri, Z. Naito. Department of Integrative Pathology (Department of Pathology II), Surgery for Organ and Biological Regulation (Department of Surgery), Graduate School of Medicine, Nippon Medical School; Faculty of Pharmaceutical Sciences, Kinki University
- 67 **LIM Only 4 is Overexpressed with the Progress of Invasive Ductal Carcinoma and Intraductal Papillary Mucinous Neoplasm**  
J.Yu, K. Ohuchida, K. Mizumoto, E. Nagai, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, MaidashiJapan
- 68 **The Effects of Trypsin on Pancreatic PAR-2 Receptors.**  
P. Hegyi, B. Ozsvari, I. Ignath, V. Venglovecz, Z. Rakonczay Jr., T. Takacs, K. Borka, Z. Schaff, G. J. Papp, A. Toth, A. Varro, M. Sahin-Toth, J. Lonovics. First Department of Medicine, University of Szeged, Szeged, Hungary; Department of Pathology, Semmelweis

University IIth, Budapest, Hungary; Department of Pharmacology and Pharmacotherapy, Division of Cardiovascular Pharmacology, Hungarian Academy of Sciences, Faculty of Medicine, University of Szeged, Szeged, Hungary; Department of Molecular and Cell Biology, Goldman School of Dental Medicine, Boston University, Boston, MA

- 69 **The Effect of Bile Acids on Pancreatic Ductal Epithelia**  
Viktória Venglovecz, Béla Ózsvári, Imre Ignáth, Zoltán Rakonczay Jr., Tamás Takács, János Lonovics, András Varró, Péter Hegyi. First Department of Medicine, Department of Pharmacology and Pharmacotherapy, Faculty of Medicine, University of Szeged, Szeged, Hungary
- 70 **High Mobility Group Box-1 (HMGB1) Augments Pancreatic Necrosis in Taurocholate Induced Pancreatitis in Rats**  
R. Segersvärd, K. Palmblad, J. Tsai, A. Capitano, U. Andersson, J. Permert. Division of Surgery, CLINTEC, Dept of Pathology, LabMed, Dept of Woman and Child Health, Karolinska Institutet, Stockholm, Sweden
- 71 **A Novel Copper Complex of 3-benzoyl- $\alpha$  Methyl Benzene Acetic Acid (Ketoprofen) with Anti-Tumor Activity Mediated via Cyclooxygenase Pathway**  
S.Adsule, F. Ahmed, S.Banerjee, S.Ali, S.Kulkarni, S.Padhye, F. Sarkar. Departments of Pathology, Hematology and Oncology, Barbara Ann Karman Cancer Institute, Wayne State University School of Medicine, Detroit, MI; V Life Science Technologies, India
- 72 **Caerulein-Induced Intracellular Pancreatic Zymogen Activation is Dependent upon Calcineurin**  
Wayne Grant, Ahsan Shah, Edwin Thrower, Sohail Husain. Departments of Pediatrics and Internal Medicine, Yale University School of Medicine and VA Connecticut Health Care, West Haven, CT
- 73 **Normalization of Insulin Resistance and Impaired CCK Stimulated Pancreatic Secretion in eNOS (-/-) Mice by Pioglitazone. Potential for Correcting Human Endocrine and Exocrine Disorders?**  
R.C. Reddy, Y. Hao, S.H. Lee, C. Owyang, M.J. DiMagno. Department of Medicine, University of Michigan, Ann Arbor, MI
- 74 **A New Non-Invasive Model of Necro-Hemorrhagic Pancreatitis in Rats: Histomorphologic and Pathogenetic Characterization**  
W. Hartwig, M. Kolvenbach, F. Fortunato, T. Hackert, L. Schneider, MW. Büchler, J. Werner. Department of General and Visceral Surgery, University of Heidelberg, Germany

- 75 **The Potential of Intratumoral injection of *S. Pyogenes* to achieve a Bacterial Related Immune Response Against Tumor Cells Followed by Tumor Regression**  
C. Maletzki. University of Rostock, Rostock, Germany
- 76 **NADPH Oxidase Plays a Key Role in the Activation of Pancreatic Stellate Cells**  
A. Masamune, K. Kikuta, T. Shimosegawa. Division of Gastroenterology, Tohoku University, Graduate School of Medicine, Sendai, Japan
- 77 **Multispecies Probiotics Abolish Acute Pancreatitis-Associated Mucosal Barrier Failure in Murine Ileum**  
L. van Minnen, A. Verheem, F. Lutgendorff, H. Timmerman, G. Rijkers, J. Rychter, H. Gooszen, L. Akkermans, A. Kroese. Department of Surgery, Department of Pediatric Immunology, University Medical Center, Utrecht; Department of Medical Microbiology and Immunology, St. Antonius Hospital, Nieuwegein; Institute for Risk Assessment Sciences, Utrecht University, The Netherlands
- 78 **Building a Better In Vitro Pancreatic Carcinoma Model**  
M. Tallman, Z. Cruz-Monserrate, L. Bellot, X. Cheng, K. O'Connor. Sealy Center for Cancer Cell Biology, Department of Pharmacology and Toxicology, Department of Surgery, The University of Texas Medical Branch, Galveston, Texas
- 79 **Cytotoxic Effects of Taxol on Pancreas Tumour Cells**  
I. Bredebusch, W. Domschke, J. Schnekenburger. Medizinische Klinik und Poliklinik B, Westfälische Wilhelms-Universität Münster, Domagkstr, Münster
- 80 **Development of an Efficient Inducible Acinar Cell Specific Transgenic Model**  
B. Ji, J. Song, C. Logsdon. Department of Cancer Biology and Medical Oncology, University of Texas, M.D. Anderson Cancer Center, Houston, TX
- 81 **PKD2 is Activated by Secretagogue Stimulation in the Pancreas**  
A. Chen, J. Li, H. Watanabe, B. Evers. Department of Surgery, The University of Texas Medical Branch, Galveston, TX
- 82 **Expression of Proteins Involved in PGE2 Production in Human Pancreatic Cancers**  
S. Hasan, M. Satake, H. Funahashi, H. Reber, O. Hines, G. Eibl. Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA



- 83 **Curcumin Sensitizes Pancreatic Cancer Cells to ApoG2 Induced Killing.**  
S. Thoutreddy, R. Mohammad, S. Ali, S. Wang, F. Sarkar. Division of Hematology and Oncology, Department of Pathology, Karmanos Cancer Institute, Wayne State University, Detroit, Michigan; University of Michigan, Ann Arbor, MI
- 84 **The Guinea Pig Pancreas Secretes a Single Trypsinogen Isoform, which is Defective in Autoactivation**  
B. Ózsvári, P. Hegyi, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University Goldman School of Dental Medicine, Boston, MA; First Department of Medicine, University of Szeged, Faculty of Medicine, Szeged, Hungary
- 85 **Geminin, a Replication Inhibitor Protein, is Over-Expressed in Pancreatic Cancer Tissue and Apigenin Affects Replication by Down-Regulating Geminin and Cdc6, but not Cdt-1 in Pancreatic Cancer Cells**  
M. Salabat, L. Golkar, X. Ding, C. Chen, M. Ujiki, S. Rao, J. Pelling, J. McGill, M. Strouch, D. Heiferman, R. Bell, M. Talamonti, D. Bentrem. Northwestern Memorial Hospital, Lurie Comprehensive Cancer Center, Chicago, IL
- 86 **Combined Nicotine and Ethanol Administration Activates Extracellular Regulated Kinase (ERK) in Rat Pancreatic AR4-2J Cells**  
R. Pfützer, A. Gerloff, M. Singer, P. Feick. Department of Medicine II, University Hospital of Heidelberg at Mannheim, Mannheim, Germany
- 87 **Pancreatic Injury and Regeneration in L-Arginine-Induced Pancreatitis in Mice.**  
R. Dawra, R. Sharif, P. Phillips, V. Dudeja A. Saluja. University of Massachusetts Medical School, Dept. of Surgery, Worcester, MA; University of Minnesota, Minneapolis, MN

Boards 88-94: Clinical Posters of Distinction

- 88 **Pancreatitis in Primary Hyperparathyroidism-Related Hypercalcaemia is Strongly Associated with Mutations in the Spink1 Trypsin Inhibitor (N34S) and the CFTR Gene**  
P. Felderbauer, E. Karakas, V. Fendrich, K. Bulut, N. Ansoorge, F. Schmitz, D. Bartsch, W. Schmidt. Department of Medicine I, St. Josef-Hospital, Ruhr-University, Medical School, Bochum; Department of Visceral-, Thoracic- and Vascular Surgery, University-Hospital Gießen-Marburg, Marburg; Department of Visceral Surgery, Städtische Kliniken Bielefeld-Mitte, Bielefeld, Germany
- 89 **Final Results of a Phase II Study of S-1 in Patients with Metastatic Pancreatic Cancer**

A. Funakoshi, T. Okusaka, J. Furuse, N. Boku, K. Yamao, S. Ohkawa, H. Saito. National Kyushu Cancer Center; National Cancer Center Hospital; National Cancer Center Hospital East; Shizuoka Cancer Center; Aichi Cancer Center; Kanagawa Cancer Center; Yamagata Prefectural Central Hospital, Japan

90 **Cytokine-like FAM3D Gene is Associated to Diabetes Mellitus in Pancreatic Adenocarcinoma**

J. Souza, M. Machado, M. Fortes, R. Giorgi, J. Cunha, J. Jukemura, M. Nery, B. Wajchenberg, S. Siqueira, M. Pereira, M. Corrêa-Giannella, D. Giannella-Neto. Laboratory for Medical Investigation, Endocrine Service, Division of Transplant and Liver Surgery, Division of Pancreatic and Biliary Surgery, Department of Pathology, Hospital das Clínicas of the University of Sao Paulo School of Medicine, Sao Paulo, Brazil

91 **Antibiotic Prophylaxis in Necrotising Pancreatitis: Relation of Methodological Quality of Randomised Controlled Trials to Outcome**

M. Besselink, A. de Vries, C. van de Kraats, E. Buskens, K. Van Erpecum, H. Gooszen. Gastrointestinal Research Unit, Departments of Gastroenterology and Surgery, Julius Center for Health Sciences and Primary Health Care, University Medical Center Utrecht, Utrecht, Netherlands

93 **Haplotype Analysis of Frequent PRSS1 R122H Mutations in Westphalia (Germany): No Indication of a Founder Effect**

F.U. Weiss, M. Zenker, P. Simon, and M.M. Lerch. Department of Gastroenterology, University of Greifswald, Germany. Institute of Human Genetics, University of Erlangen, Germany.

94 **Multifocal Branch-Duct IPMNs: A New Deal to be Explored**

R. Salvia, S. Crippa, S. Partelli, L. Landoni, G. Mascetta, M. Falconi, C. Bassi, P. Pederzoli. Dept. of Surgery. University of Verona, Italy

Boards 95-111: Clinical Posters

95 **Exhaled Breath Analysis in Chronic Pancreatitis**

R. Pezzilli, A. Morselli Labate, L. Fantini, R. Corinaldesi. Department of Internal Medicine and Gastroenterology, Sant'Orsola-Malpighi Hospital, University of Bologna, Bologna, Italy

96 **Genetic Anticipation in Pancreatic Cancer: Comparison of Statistical Tests**

G. Haynatzki, V. Haynatzka, R. Brand, S. Sherman, H. Lynch. Creighton University School of Medicine, Omaha, NE; Evanston Northwestern Healthcare, Evanston, IL; Eppley Cancer Center, UNMC, Nebraska Medical Center, Omaha, NE

- 97 **Low Plasma Glutamine Levels in Severe Acute Pancreatitis Justify Glutamine Substitution in Critically Ill Pancreatitis Patients**  
P. Lankisch, B. Weber-Dany, C. Doobe, T. Finger, P. Maisonneuve, A. Lowenfels, B. Alteheld, P. Stehle. Department of Internal Medicine, Municipal Clinic of Lueneburg, Germany; European Institute of Oncology, Milan, Italy; New York Medical College, Valhalla, NY; University of Bonn, Germany
- 98 **TransAtlantic Differences in the Surgical Treatment of Chronic Pancreatitis**  
T. Keck, R. Rodriguez, G. Marjanovic, A. Razo, U. Adam, Fernandez-del Castillo, U. Hopt, A. Warshaw. Department of General and Visceral Surgery, University of Freiburg, Germany; Massachusetts General Hospital, Harvard Medical School, Boston, MA
- 99 **Adhesion Molecules in Pancreatitis-Associated Lung Injury**  
I. Bihalskyy, S. Chooklin, A. Perejaslov, R. Vatsaba. Medical University, Lviv, Ukraine
- 100 **Pancreaticojejunostomy and Hepaticojejunostomy without Stent Tube in the Pancreatoduodenectomy**  
T. Hatori, A. Fukuda, S. Onizawa, T. Sugiki, I. Fujita, T. Imaizumi, M. Yamamoto. Department of Gastroenterological Surgery, Tokyo Women's Medical University, Tokyo, Japan; Department of Gastroenterological Surgery, School of Medicine, Tokai University, Isehara, Japan
- 101 **Timing of the Endoscopic Sphincterotomy (ES) and of the Videolaparocholecystectomy (VLC) in the Acute Biliary Pancreatitis**  
V. Neri, A. Ambrosi, T. Valentino, C. Santacroce, N. Tartaglia, A. Fersini. University of Foggia, Department of Surgical Sciences, Division of General Surgery, Polyclinic of Foggia, Foggia, Italy
- 102 **The Atlanta Classification on Acute Pancreatitis Revisited: Review of the Literature**  
T. Bollen, H. van Santvoort, M. Besselink, M. van Leeuwen, K. Horvath, P. Freeny, H. Gooszen. Department of Radiology, St. Antonius Hospital Nieuwegein, Departments of Surgery, Radiology, University Medical Center Utrecht, The Netherlands; Department of Surgery and Radiology, University of Washington Medical Center, Seattle, WA.
- 103 **Early Histological Findings of Mucinous Cystic Neoplasm of the Pancreas (MCN): A Case Report**  
I. Fujita, T. Hatori, A. Fukuda, S. Onizawa, T. Sugiki, T. Furukawa, S. Kawamura, K. Shiratori, M. Yamamoto. Department of Gastroenterological Surgery, International Research and Educational Institute for Integrated Medical Science, Department of Pathology, Gastroenterological Internal Medicine, Tokyo Women's Medical University, Tokyo, Japan

- 104 **Endoscopic Interventions via the Minor Papilla**  
 Á. Pap, M. Burai, J. Duhl, T. Gyökeres. MAV Hospital, Dept. of Gastroenterology, Budapest, Hungary; Raritan Bay Medical Center and RWJ Medical School, Perth Amboy, NJ
- 105 **Normal Response Data for the Pancreatic Cancer Quality of Life (QoL) Assessment Questionnaire EORTC QLQ-PAN26**  
 F. Howse, S. Harris, E. Hedges, S. George, R. Pickering, C.D. Johnson. Department of Surgery and Health Care Research Unit, University of Southampton, United Kingdom
- 106 **Combined Scaling of the Responses of Patients with Pancreatic Disease to the EORTC QLQ C30 and QLQ PAN26**  
 C.D. Johnson, P. Roussou, S. Harris, R. Pickering. Departments of Surgery and Medical Statistics, University of Southampton, United Kingdom
- 107 **One Stage Necrosectomy: A Useful Technique for Treating Pancreatic Necrosis**  
 L. Barreda, J. Targarona, C. Rodriguez, R. Garatea. Hospital Edgardo Rebagliati Martins, Lima, Peru
- 108 **Solid Pseudopapillary Neoplasm of the Pancreas: Report of 31 Resected Cases and Description of a Paradoxical Inverse Relation between Age and Tumor Size**  
 R. Garatea, J. Targarona, L. Barreda, A. Warshaw, C. Fernandez del Castillo. Hospital Edgardo Rebagliati Martins, Lima, Peru; Massachusetts General Hospital, Boston, MA
- 109 **Association of Tumor Necrosis Factor —  $\alpha$  Promoter Haplotype with Chronic Pancreatitis**  
 M. Chang, Y. Chang, Y. Tien, P. Liang, S. Wei, J. Wong. Department of Internal Medicine, Department of Surgery, Department of Radiology, National Taiwan University Hospital, Taipei, Taiwan
- 110 **Pancreatectomy for Non-Pancreatic Malignancies Results in Improved Survival after R0 Resection**  
 M. Fisher, P. Muscarella, E. Ellison, M. Bloomston. Department of Surgery, The Ohio State University, Columbus, OH
- 111 **Splenic Complications in Alcoholic Chronic Pancreatitis**  
 S. Barbu, M. Cazacu. IVth Surgical Clinic, University of Medicine and Pharmacy, "Iuliu Hatieganu" Cluj-Napoca, Romania

## Friday, November 3, 2006

### Boards 112-121: Basic Science Posters of Distinction

- 112 **Liposomal Delivery of EphA2 siRNA in Combination with Gemcitabine Reduces Pancreatic Tumor Growth and Invasion**  
P.A. Levin, T. Arumugam, A.K. Sood, C.D. Logsdon. Departments of Cancer Biology, Gynecologic Oncology and Medical Oncology, UT MD Anderson Cancer Center, Houston, TX
- 113 **Chemosensitive Afferent Activity in the Isolated Rat Ppancreas**  
A. Schloithe, J. Davison, L. Blackshaw, C. Woods, J. Toouli, G. Saccone. Dept. General & Digestive Surgery, Centre for Neuroscience, Flinders Medical Centre, Flinders University, Adelaide, South Australia; Dept. Physiology and Biophysics, University of Calgary, Alberta, Canada; Dept. Medicine, Adelaide University and Royal Adelaide Hospital, Adelaide, South Australia, Australia
- 114 **Galanin Antagonism Modifies Hyperenzymemia and Pancreatic Vascular Perfusion (PVP) Changes Induced by Acute pancreatitis (AP) in a Possum Model**  
M. Bhandari, A. Thomas, C. Carati, M. Kawamoto, J. Toouli, G. Saccone. Depts. of General and Digestive Surgery, Anatomical Pathology, Anatomy and Histology, Flinders Medical Centre, Flinders University, Adelaide, South Australia, Australia
- 115 **The Expression of S100A8 in Tumour-Associated Monocytes is Directly Associated with the Smad4 Status of Pancreatic Cancer Cells**  
D. Vimalachandran, A. Sheikh, E. Tweedle, I. Khattak, C. Thompson, R. Jenkins, T. Nedjadi, A. Shekouh, F. Campbell, A. Dodson, W. Prime, T. Crnogorac-Jurcevic, N. Lemoine, P. Rooney, E. Costello. Division of Surgery and Oncology; Biomedical Sciences Proteomics Facility; Department of Pathology; Cancer Tissue Bank Research Centre, Department of Pathology, University of Liverpool, United Kingdom; Cancer Research UK Centre for Molecular Oncology Unit, Institute of Cancer, Barts and the London School of Medicine and Dentistry, London, England
- 116 **Akt Activation in Alcoholic Pancreatitis: Role of PTEN**  
O. Mareninova, A. Lugea, I. Odinkova, H. Tsukamoto, I. Gukovsky, S. Pandol, A. Gukovskaya. Research Center for Alcoholic Liver and Pancreatic Diseases, VA Greater Los Angeles Healthcare System & University of California, Los Angeles, CA
- 117 **Molecular Evidence of 3,3'-Diindolylmethane Induced Enhancement in Chemosensitivity of Pancreatic Cancer Cells to Multiple Chemotherapeutic Agents**

S.Banerjee, Z. Wang, P. Chaio, F. Sarkar. Barbara Ann Karmanos Cancer Institute, Wayne State University, Detroit, MI; MD Anderson Cancer Center, Houston, TX

- 118 **Adrenomedullin (ADM) is Induced by Hypoxia and Enhances**  
J. Kleeff, S. Keleg, H. Kaye, R. Hennig, M. Büchler, H. Friess. Department of General Surgery, University of Heidelberg, Heidelberg, Germany
- 119 **Selective and Conditional Depletion of Macrophages Reduces the Severity of Caerulein-Induced Acute Pancreatitis**  
G. Perides, E. Weiss, G. Van Acker, J. Duffield, M. Steer. Dept. of Surgery, Tufts-New England Medical Center and Tufts University School of Medicine; Dept. of Medicine, Brigham and Woman's Hospital, Harvard Medical School, Boston, MA
- 120 **HSP70 Inhibits Apoptosis in Pancreatic Cancer Cells by Attenuating Intracellular Calcium**  
V. Dudeja, P. Phillips, R. Dawra, R. Sharif, A. Saluja. University of Massachusetts Medical School, Dept of Surgery, Worcester, MA; University of Minnesota, Minneapolis, MN
- 121 **Regulation of Pancreatitis-Associated Protein (PAP) Induced Cytokine Expression through Signal Transduction Pathways NFkB, JNK, and ERK**  
D. Viterbo, Y. Lin, C. Mueller, M. Zenilman, M. Bluth. Department of Surgery SUNY Downstate Medical Center, Brooklyn, NY

#### Boards 122-146: Basic Science Posters

- 122 **Influence of N-Acetyl Cysteine (NAC) Administration on Expression Level of GST- $\alpha$  Gene in an Experimental Pancreatic Ischemia-Reperfusion Model**  
R. Meirelles, M. Kubrusly, S. Valéria de Sá, M. Correa-Gianella, D. Gianella-Neto, M. Machado. University of São Paulo, São Paulo, Brazil
- 123 **The Protective Effect of AT1 Receptor Blockade on Obstruction-Induced Acute Pancreatitis: Its Potential Mechanistic Pathways**  
Y. Chan, P. Leung. Department of Physiology, Faculty of Medicine, The Chinese University of Hong Kong, Shatin, Hong Kong
- 124 **Comparative Effects of Cholecystokinin-58 and Cholecystokinin-8 on Calcium Signalling in Mouse Pancreatic Acinar Cells**  
D. Criddle, G. Green, J. Reeve, Jr., R. Sutton, O. Petersen. Department of Physiology, Division of Surgery & Oncology, University of Liverpool, UK; University of Texas Health Science Center; University of California

- 125 **Nelfinavir Stabilizes MOMP and Reduces Acinar Injury in Pancreatitis**  
V. Singh, G. Bren, A. Algeceras-Schmnich, D. Schnepple, S. Navina, S. Vlahakis, S. Chari, S. Vege, A. Badley. Division of Gastroenterology, Division of Infectious Diseases, Translational Program in Immunology and Biodefense, Mayo Clinic and Foundation, Rochester, MN; Department of Pathology, University of Minnesota, Minneapolis, MN
- 126 **Effects of Perfluorooctanoic Acid (PFOA) in Cerulein-Induced Acute Pancreatitis in Rats**  
T. Griesbacher, B. Peskar. Institute for Experimental and Clinical Pharmacology, Medical University of Graz, Austria
- 127 **Keratinocyte Growth Factor and its Receptor Correlate with Venous Invasion via Matrix Metalloproteinase-9 (MMP-9) in Pancreatic Cancer**  
K. Cho, T. Tajiri, T. Ishiwata, E. Uchida, T. Aimoto, Y. Nakamura, A. Katsuno, M. Kawamoto, Y. Fujiwara, K. Teduka, N. Nakazawa, Z. Naito. Surgery for Organ and Biological Regulation (Department of Surgery), Graduate School of Medicine, Nippon Medical School; Integrative Pathology (Department of Pathology II), Graduate School of Medicine, Nippon Medical School, Tokyo, Japan
- 128 **Significance of Phosphorylation of Chk2 in Intraductal Papillary Mucinous Neoplasms of the Pancreas**  
Y. Miyasaka, E. Nagai, H. Yamaguchi, K. Fujii, T. Inoue, K. Ohuchida, K. Mizumoto, M. Tsuneyoshi, M. Tanaka. Department of Surgery and Oncology, Department of Anatomic Pathology, Kyushu University, Fukuoka, Japan
- 129 **Assessment of Correlation Between Hyperglycemia and Diabetic Renal Complications Using a Model of PVA (Polyvinyl Alcohol) Bio-Artificial Pancreas Transplantation**  
N. Sakata, S. Sumi, Y. Gu, M. Qi, C. Yamamoto, Y. Mikami, F. Motoi, T. Abe, S. Fukuyama, S. Egawa, M. Sunamura, K. Inoue. Department of Gastroenterological Surgery, Tohoku University, Sendai, Japan; Department of Organ Reconstruction and Biomaterials, Institute for Frontier Medical Sciences, Kyoto University, Kyoto, Japan
- 130 **Endocrine Gland-Vascular Endothelial Growth Factor (EG-VEGF) in Normal Pancreas and Pancreatic Adenocarcinoma**  
A. Morales-Miranda, B. Chávez, F. Vilchis, C. Chan, G. Robles-Díaz, V. Díaz-Sánchez. Department of Reproductive Biology and Surgery, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Department of Experimental Medicine, Faculty of Medicine-UNAM. MEXFAM A.C., México City, Mexico

- 131 **RGS-6 Regulates ERK Activation in Pancreatic AR42J Cells**  
I. Samuel, A. Chaudhary, R. Fisher. Carver College of Medicine, University of Iowa, Iowa City, IA
- 132 **Elevated Serum Level of the Complement Regulator Protein CD59 is a Predictor of Organ Failure in Acute Pancreatitis**  
O. Lindström, L. Kylänpää, H. Jarva, P. Puolakkainen, E. Kempainen, R. Haapiainen, H. Repo, S. Meri. Department of Surgery, Department of Medicine, Institution of Haartman, University of Helsinki, Helsinki, Finland
- 133 **Tetracycline-Inducible Pancreatic Cancer Cell Lines**  
S. I. Patel, M. Bier, C. Goldring, W. Hillen, E. Costello. Division of Surgery and Oncology, Biomedical Sciences Proteomics Facility, Department of Pharmacology and Therapeutics, University of Liverpool, UK; Lehrstuhl für Mikrobiologie, Friedrich-Alexander-Universität, Staust, Germany
- 134 **PSP/reg Inhibits Human Pancreatic Stellate Cell Proliferation and MMP2/TIMP1 and 2 Secretion**  
L. Li, S. Zhou, M. Bachem, M. Siech, D. Bimmler, R. Graf. Dept. Clinical Chemistry, University Hospital of Ulm, Germany; Dept. Surgery, Klinikum Aalen, Germany; Pancreatitis Res. Lab., Dept. of Surgery, University Hospital of Zurich, Switzerland
- 135 **Dysregulated cMet Down Regulation in Pancreatic Adenocarcinoma Cells**  
K. Hill, Cruz-Monserrate, K. O'Connor, L. Elferink. Department of Neuroscience and Cell Biology, Department of Surgery, Sealy Center for Cancer Cell Biology, University of Texas Medical Branch, Galveston, TX
- 136 **The Hunt for the Mysterious Enzyme Y. A progress report.**  
R. Szmola, M. Sahin-Tóth. Department of Molecular and Cell Biology, Boston University Goldman School of Dental Medicine, Boston, MA
- 137 **A Reverse Phase Array Platform for Measurement of Pancreatic Biomarkers**  
T. Grote, D. Siwak, G. Mills, C. Logsdon. Departments of Cancer Biology, GI Medical Oncology and Molecular Therapeutics, University of Texas M.D. Anderson Cancer Center, Houston, TX
- 138 **RNAi- and Antisense-Targeted Down-Regulation of Gastrin in Pancreatic Cancer Cells Inhibits Tumor Growth and Metastasis**  
J. Harms, G. Matters, C. McGovern, J. Smith. Dept. of Medicine, Penn State College of Medicine, Hershey, PA



- 139 **Embelin Regulates XIAP and Survivin Levels through Different Mechanisms and Induces Pancreatic Cancer Cell Death**  
M. Edderkaoui, S. Pandol, A. Gukovskaya. VAGLAHS and University of California, Los Angeles, CA
- 140 **Crosstalk of the TGF- $\beta$  Inducible Tumor Suppressor KLF11 with other TGF- $\beta$ -like Pathways and Involvement with Extracellular Matrix Deposition and Cell Adhesion**  
M. Truty, M. Knight, R. Urrutia. GI Research Unit, Mayo Clinic College of Medicine, Rochester, MN; Oakwood College, Huntsville, AL
- 141 **The N-3 Polyunsaturated Fatty Acid EPA Decreases Pancreatic Cancer Cell Growth In Vitro**  
H. Funahashi, M. Satake, S. Hasan, H. Sawai, H. Reber, O. Hines, G. Eibl. Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA; Department of Gastroenterological Surgery, Nagoya City University, Japan
- 142 **Rottlerin Stimulates Apoptosis in Pancreatic Cancer through Inhibition of Bcl-xL**  
I. Ohno, G. Eibl, I. Odinkova, M. Edderkaoui, M. Yazbeck, S. Pandol, A. Gukovskaya. VAGLAHS /UCLA, Los Angeles, CA; Hirshberg Foundation for Pancreatic Cancer Research, Los Angeles, CA; Department of Surgery, David Geffen School of Medicine, UCLA, Los Angeles, CA
- 143 **In Vivo Leukocyte-Endothelium Interactions in Rat Mesenteric Microvessels and Cytokines Serum Levels in Acute Pancreatitis Followed by Inhibition of TNF-Alpha Production: An Intravital Microscopic Study**  
A. Matheus, J. Jukemura, A. Coelho, S. Sampietre, P. Sannomiya, N. Nakagawa, J. da Cunha, M. Machado. Dept. of Gastroenterology, Research Division - Heart Institute (InCor), University of São Paulo, São Paulo, Brazil
- 144 **Volatile Organic Compounds in Breath in Patients with Pancreatic Tumor. A Preliminary Case-Control Prospective Study**  
F. Zarantonello, G. Butturini, A. Princivalle, A. Caletti, C. Bassi, L. Perbellini, P. Pederzoli. Surgical and Gastroenterological Department, Medicine and Public Health Department, University of Verona, Italy
- 145 **Crosstalk between KRAS and Hedgehog Pathways in the Regulation of GLI Function in Pancreatic Cancer Cells**  
J.J. Han, M.E. Fernandez-Zapico. Gastroenterology Research Unit, Mayo Clinic College of Medicine, Rochester, MN.

- 146 **GLI Proteins, Key Mediators of Hedgehog Pathway in Pancreatic Cancer Cells, Function via the Interaction with a p300 and BRG-Containing Complex**  
C. Lokko, J.J. Han and M.E. Fernandez-Zapico. Gastroenterology Research Unit, Mayo Clinic College of Medicine, Rochester, MN.

Boards 147-152: Clinical Posters of Distinction

- 147 **Laparoscopic Distal Pancreatectomy: Results on a Consecutive Series of 58 Patients**  
G. Melotti, G. Butturini, M. Piccoli, L. Casetti, C. Bassi, B. Mullineris, M. Lazzaretti, P. Pederzoli. Surgical Department, New Hospital Sant'Agostino-Estense, Modena, Italy; Surgical and Gastroenterological Department, Verona University, Italy
- 148 **Predictive Markers of Treatment Response to 5-FU and Gemcitabine in Pancreatic Cancer: Results from the RTOG 9704 Prospective Randomized Adjuvant Treatment Trial**  
J. Farrell, R. Lai, K. Winter, M. Van Rijnsoever, W. Regine, P. Schaeffer, A. Bowen Benson, J. Macdonald, C. Willett, J. Mackey, H. Elsaleh. Division of Digestive Diseases, UCLA School of Medicine, Los Angeles, CA; Cross Cancer Institute, University of Alberta; RTOG Statistical Department, Division of Radiation Oncology, UCLA School of Medicine, Los Angeles, CA; University of Maryland Medical Systems, Baltimore, MD; Toledo Community Hospital Oncology Program CCOP, Toledo, OH; ECOG Investigator, Northwestern University, Chicago, IL; SWOG Investigator, St. Vincent's CCC, New York, NY; Duke University Medical Center Durham, NC
- 149 **Feasibility of Minimally Invasive Approach in Patients with Infected Necrotizing Pancreatitis**  
M. Besselink, H. van Santvoort, T. Bollen, A. Schaapherder, B. van Ramshorst, H. van Goor, H. Gooszen. The Dutch Acute Pancreatitis Study Group. Department of Surgery, University Medical Center Utrecht; Department of Radiology, St. Antonius Hospital Nieuwegein; Department of Surgery, Leiden University Medical Center; Department of Surgery, St. Antonius Hospital Nieuwegein; Department of Surgery Radboud University, Nijmegen Medical Centre, The Netherlands
- 150 **Disrupted Pancreatic Duct Syndrome in Severe Acute Pancreatitis is not a Cause of Death**  
S. Vege, M. Pelaez-Luna, B. Petersen, S. Chari, J. Clain, M. Levy, R. Pearson, M. Topazian, M. Farnell, M. Kendrick, T. Baron. Pancreas Interest Group, Division of Gastroenterology and Hepatology, Department of Surgery, Department of Endoscopy, Mayo Clinic, Rochester, MN

- 151 **Feasibility of Using Biophotonics to Assist in Cytologic Diagnosis of Pancreatic Cancer**  
R. Brand, Y. Liu, C. Sturgis, N. Hasabou, M. Regner, H. Yoon, V. Backman. Evanston Northwestern Healthcare, Evanston, IL; Northwestern University, Evanston, IL
- 152 **Pancreatic Cytokine Secretion in Severe Acute Pancreatitis**  
S. O'Keefe, R. Hegazi. Division of Gastroenterology, University of Pittsburgh, Pittsburgh, PA

Boards 153-173: Clinical Posters

- 153 **Pankrin: A New Parameter for the Diagnosis of Acute Pancreatitis in Cases of Late Clinical Presentation**  
P. Lankisch, B. Weber-Dany, C. Doobe, T. Finger, P. Maisonneuve, A. Lowenfels, V. Keim. Department of Internal Medicine, Municipal Clinic of Lueneburg, Germany; European Institute of Oncology, Milan, Italy; New York Medical College, Valhalla, NY; Medical Clinic and Policlinic II, University Clinic of Leipzig, Germany
- 154 **Somatostatin Cell Hyperplasia in the Pancreas**  
K. Iki, P. Pour. UNMC/Epply Cancer Center, University of Nebraska Medical Center, Omaha, NE
- 155 **Lundh Test—A classic Exocrine Pancreatic Function Test—A Test for Pancreas Failure?**  
K. Jang-Won Cho, T. Cederholm, J. Lokk. Gastroenterological and Geriatric Department, Karolinska University Hospital, Stockholm and Institution for Health and Medical Care of Clinical Nutrition, Uppsala University, Sweden
- 156 **Frequency of Cationic Trypsinogen (PRSS1) Gene and the Serine Protease Inhibitor, Kazal Type 1 (SPINK1) Gene Mutations in Patients with Chronic Alcoholic Pancreatitis (CAP)**  
A. Gasiorowska, R. Talar-Wojnarowska, B. Smolarz, H. Romanowicz-Makowska, A. Kulig, E. Malecka-Panas. Department of Digestive Tract Diseases, Medical University of Lodz; Laboratory of Molecular Genetics, Department of Pathology, Institute of Polish Mother's Memorial Hospital, Lodz, Poland
- 157 **Prognosis of the Clinical Course of Acute Biliary Pancreatitis**  
S. Chooklin, A. Perejaslov, V. Fedoriv. Department of Surgery, Medical University, Lviv, Ukraine

- 158 **Efficacy and Safety of US-Guided Intraoperative Pancreatic Biopsy Using Levovist® into the Bile Duct**  
T. Aimoto, E. Uchida, Y. Nakamura, A. Katsuno, K. Chou, M. Kawamoto, T. Tajiri, Z. Naito. Dept. of Surgery, Nippon Medical School; Dept. of Pathology, Nippon Medical School
- 159 **Describing CT Findings in Acute Necrotizing Pancreatitis with the Atlanta Classification: An Interobserver Agreement Study**  
M. Besselink, H. van Santvoort, T. Bollen, M. van Leeuwen, H. Gooszen. Departments of Surgery, University Medical Center Utrecht, The Netherlands
- 160 **Obesity Correlates with Early Hyperglycemia in Patients with Acute Pancreatitis Who Developed Organ Failure**  
P. Mentula, L. Kylänpää, E. Kempainen, P. Puolakkainen. Second Department of Surgery, Helsinki University Central Hospital, Helsinki, Finland
- 161 **Towards an Update of the Atlanta Classification on Acute Pancreatitis: Review of New and Abandoned Terms**  
T. Bollen, M. Besselink, H. van Santvoort, H. Gooszen, M. van Leeuwen. Department of Radiology, St. Antonius Hospital Nieuwegein; Departments of Surgery, Radiology, University Medical Center Utrecht, The Netherlands
- 162 **Mucoepidermoid Carinoma of the Pancreas: A Case Report**  
I Fujita, T. Hatori, A. Fukuda, S. Onizawa, T. Sugiki, T. Furukawa, S. Kawamura, K. Shiratori, M. Yamamoto. Department of Gastroenterological Surgery, International Research and Educational Institute for Integrated Medical Science, Department of Pathology, Gastroenterological Internal Medicine, Tokyo Women's Medical University, Tokyo, Japan
- 163 **Clinicopathologic Study on Pancreatic Groove Carcinoma**  
E. Uchida, T. Aimoto, Y. Nakamura, A. Katsuno, K. Chou, M. Kawamoto, T. Tajiri, Z. Naito. Dept. of Surgery, Nippon Medical School; Dept. Of Pathology, Nippon Medical School, Tokyo, Japan
- 164 **Prevalence of and Risk-Factor Profile for Pancreatitis in Male Veterans with Mixed Alcohol and Drug Addiction**  
D. Yadav, M. Eigenbrodt, M. Briggs, D. Williams, E. Wiseman. Central Arkansas Veterans Healthcare System & University of Arkansas for Medical Sciences, Little Rock, AR

- 166 **Natural History of Branch-Duct Type Intraductal Papillary Mucinous Neoplasms of the Pancreas**  
S. Lee, J. Park, S. Woo, J. Yoo, J. Ryu, Y. Kim, Y. Yoon. Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea
- 168 **Biomedical Computing Tools for Pancreatic Cancer Collaborative Research**  
S. Sherman, O. Shats, H. Zhu, A. Sherman, M. Ketcham, G. Haynatzky, R. Brand. University of Nebraska Medical Center, Omaha, NE; Creighton University, Omaha, NE; Evanston Northwestern Healthcare, Glenview, IL
- 169 **Pancreatic Polypeptide (PP) Administration Reduces the Insulin Requirement of Patients on Insulin Pump Treatment**  
D. Elahi, M. Thompson, D. Andersen. Johns Hopkins Bayview Medical Center, Baltimore, MD; University of Massachusetts Medical Center, Worcester, MA
- 170 **P2RY2 Gene Polymorphisms are not Associated with Pain in Chronic Pancreatitis**  
D. Mullady, D. Molliver, J. Lamb, A. Slivka, B. Elinoff, D. Whitcomb. University of Pittsburgh Medical Center, Pittsburgh, PA
- 171 **Pancreatic Panniculitis**  
I. Lee, C. Park, J. Chang, K. Nam, J. Suh, J. Kwon, Y. Cho, S. Kim, M. Choi, I. Chung. Division of Gastroenterology, Department of Internal Medicine, College of Medicine, The Catholic University, Seoul, Korea
- 172 **Hemoconcentration is an Independent Risk Factor for Mortality in Acute Pancreatitis**  
B. Wu, R. Johannes, S. Kurtz, Y. Tabak, P. Banks. Center for Pancreatic Disease, Division of Gastroenterology, Brigham and Women's Hospital, Division of Gastroenterology, Boston, MA; Cardinal health, Marlborough, MA
- 173 **New Method for Diagnosing Pancreatic Exocrine Insufficiency**  
A. Matsumoto, H. Tanaka, E. Sizuno, Y. Matsuhasi, M. Yanagimachi, N. Hasegawa, Y. Tando, T. Suda, M. Nogi, T. Nakamura. Third Department of Internal Medicine, Department Health Science, Hirosaki University School of Medicine, Aomori, Japan

## Saturday, November 4, 2006

Boards 174-182: Basic Science Posters of Distinction

- 174 **Integrin-Linked Kinase Activity is Associated with Progressive Behavior of Pancreatic Cancer**  
H. Sawai, Y. Okada, H. Funahashi, Y. Matsuo, H. Takahashi, H. Takeyama, T. Manabe. Department of Gastroenterological Surgery, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
- 175 **Alcohols Enhance Vacuolar ATPase Translocation and Zymogen Activation in Caerulein-Stimulated Pancreatic Acinar Cells**  
E. Thrower, T. Kolodziej, I. Cooma-Ramberan, F. Gorelick. Department of Internal Medicine, Section of Digestive Diseases, Department of Cell Biology, Veterans Administration Connecticut Healthcare, West Haven; Yale University School of Medicine, New Haven, CT
- 176 **Integrin  $\alpha 6\beta 4$  Contributions in Pancreatic Carcinoma**  
Z. Cruz-Monserrate, S. Qiu, B. Evers, K. O'Connor. Sealy Center for Cancer Cell Biology, Department of Pathology, Department of Surgery, The University of Texas Medical Branch, Galveston, TX
- 177 **Pancreas Carcinoma Cell Lines Stimulate Motility and Attract Stellate Cells via Production of PDGF**  
M. Bachem, K. Buck, S. Zhou, W. Schneiderhan, M. Siech. Dept. Clinical Chemistry, University Hospital Ulm, Germany; Dept. Surgery, Klinikum Aalen, Germany
- 178 **Prophylactic Antibiotic Treatment is Superior to On-Demand Therapy in a Standardized Model of Severe Necrotizing Pancreatitis**  
S. Fritz, W. Hartwig, R. Lehmann, T. Hackert, H. Geiss, K. Will-Schweiger, M. Büchler, J. Werner. Department of General and Visceral Surgery, Department of Microbiology, University of Heidelberg, Germany
- 179 **Silencing of RelA/p65 Enhances TRAIL but not Gemcitabine Mediated Apoptosis in Pancreatic Cancer Cells**  
X. Pan, T. Yamamoto, T. Arumugam, J. Baoan, S. Khanbolooki, D. McConkey, C. Logsdon. Department of Cancer Biology and Medical Oncology, UT MD Anderson Cancer Center, Houston, TX
- 180 **Evidence for a Reduced Stability of PRSS1 with a Novel Hereditary Pancreatitis Associated Mutation**  
T. Meister, M. Wobker, P. Felderbauer, W. Domschke, W. Schmidt, J. Schnekenburger. Department of Medicine, University Hospital Münster; University Hospital Bochum, Germany

- 181 **Shh Misexpression in the Adult Pancreas Results in the Expansion of both a Mucinous Ductal Metaplasia and a Fibrosing Mesenchyme**  
 J. Alsina, A. Stirman, M. Mino-Kenudson, C. Fernandez-del Castillo, A. Warshaw, S. Thayer. Departments of Surgery and Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA
- 182 **Pancreatic Gene Expression During Arginine-Induced Pancreatitis**  
 S. Gaiser, C. Kubisch, C. Logsdon. Departments of Cancer Biology, GI Medical Oncology, University of Texas M.D. Anderson Cancer Center, Houston, TX; Department of Internal Medicine II, University of Munich, Munich, Germany

Boards 183-207: Basic Science Posters

- 183 **Selective Expression of Tumor Associated Antigens by Samples Derived from Human Pancreatic Cancer**  
 F. Schmitz-Winnenthal, L. Galindo-Escobedo, D. Rimoldi, W. Geng, P. Romero, M. Koch, J. Weitz, R. Krempien, A. Niethammer, P. Beckhove, M. Buchler, K. Z'graggen. Department of General Surgery, University Hospital of Heidelberg, Germany; Ludwig Institute for Cancer Research, Lausanne Branch, University of Lausanne, Epalinges, Switzerland; National Center for Competence in Research, Molecular Oncology, Epalinges, Switzerland; Departement of Radiation Oncology, University Hospital of Heidelberg, Germany; German Cancer Research Center (DKFZ), Heidelberg, Germany; Berner Viszeralchirurgie, Klinik Beau-Site Hirslanden, Bern, Switzerland
- 184 **The Salivary Tripeptide Analogue feG Ameliorates Acute Pancreatitis in a Cerulein Mouse Model**  
 Y. Rifai, C. Carati, J. Davison, D. Hussey, A. Thomas, R. Mathison, J. Toouli, G. Saccone. Depts. General & Digestive Surgery, Anatomy & Histology, Anatomical Pathology, Flinders University, Adelaide, South Australia, Australia; Dept. Physiology and Biophysics, University of Calgary, Alberta, Canada
- 185 **N-acetyl Cysteine Beneficial Effect on Pancreas and Kidney Following Pancreatic Ischemia-Reperfusion: A Crosstalk Evidence**  
 R. Meirelles Jr, M. Kubrusly, N. Molan, S. Sá, M. Correa-Gianella, D. Gianella-Neto, T. Bacchella, M. Machado. Department of Surgery, Department of Endocrinology, University of São Paulo/School of Medicine, São Paulo, Brasil

- 186 **Redox Cycling in Menadione-Induced Apoptosis of Murine Pancreatic Acinar Cells**  
D. Criddle, S. Gillies, M. Jaffar, H. Baumgartner-Wilson, O. Gerasimenko, A. Tepikin, O. Petersen, R. Sutton. Dept. of Physiology, Division of Surgery and Oncology, University of Liverpool; University of Manchester, United Kingdom
- 187 **Neutralizing IL-10 Reverses the Protection Against Acute Pancreatitis by Crambene**  
Y. Cao, S. Adhikari, M. Clément, M. Wallig, M. Bhatia. Department of Pharmacology and Biochemistry, National University of Singapore, Singapore; Department of Pathobiology, University of Illinois at Urbana, Champaign, Urbana, IL
- 188 **Calcium Dependant Release of NO from S-nitrosothiols in Pancreatic Acinar Cells—A Novel Mechanism of NO Production**  
M. Chvanov, O. Gerasimenko, O. Petersen, A. Tepikin. University of Liverpool, United Kingdom
- 189 **Expression of Nestin in Pancreatic Cancer Cell Lines and Nerve Fibers Close to Pancreatic Cancer**  
M. Kawamoto, T. Tajiri, T. Ishiwata, E. Uchida, T. Aimoto, Y. Nakamura, A. Katsuno, K. Cho, Y. Fujiwara, Y. Kawamoto, Z. Naito. Surgery for Organ and Biological Regulation (Department of Surgery), Graduate School of Medicine, Nippon Medical School, Tokyo, Japan; Department of Integrative Pathology (Department of Pathology II), Graduate School of Medicine, Nippon Medical School, Tokyo, Japan
- 190 **Pancreatic Fibrosis Increased after Discontinuation of Pravastatin Treatment in OLETF Rat**  
M. Yamamoto, M. Otani, M. Otsuki. Department of Gastroenterology and Metabolism, University of Occupational and Environmental Health, Japan
- 191 **The Effect of Virus Infection on Pancreatic Duct Cell Secretion**  
I. Ignáth, V. Venglovecz, B. Ozsvári, Z. Rakonczay Jr., B. Ordog, T. Takacs, J. Lonovics, Z. Boldogkoi, A. Toth, A. Varro, P. Hegyi. First Department of Medicine, Department of Biology, Department of Pharmacology and Pharmacotherapy, Division of Cardiovascular Pharmacology, Hungarian Academy of Sciences, Faculty of Medicine, University of Szeged, Szeged, Hungary



- 192 **Dendritic Cells (DC) Generation from Peripheral Blood Mononuclear Cells Obtained from Jaundiced Patients with Pancreatic Adenocarcinoma**  
M. Treglia, J. Jukemura, A. Matheus, J. Cunha, M. Machado, J. Barbuto. University of São Paulo, São Paulo, Brazil
- 193 **Exogenous Capsaicin Application Induces Endogenous CGRP Liberation and Attenuates Acute Experimental Pancreatitis**  
T. Hackert, L. Schneider, M. Heck, W. Hartwig, M. Gebhard, M. Büchler, J. Werner. Dept. of Surgery, Dept. of Exp. Surgery, University of Heidelberg, Germany
- 194 **Insulin and IGF-1 Inhibit Pancreatic Stellate Cell Apoptosis: Implications for Resolution of Fibrosis Following Pancreatic Injury**  
M. Patel, F. Shek, R. Benyon, D. Fine. The Pancreatic and Liver Fibrosis Research Groups, Divisions of Inflammation, Allergy and Repair, University of Southampton, United Kingdom
- 195 **Blockage of CCR1 by Non-Peptide Antagonist BX471 Shows Protective Effect Against Acute Pancreatitis-Associated Lung Injury**  
M. He, R. Horuk, M. Bhatia. Department of Pharmacology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; Department of Immunology, Berlex Biosciences, Richmond, CA
- 197 **Phosphorylation of HP1 $\gamma$  by Aurora A Targets it to Centrosomes During Mitotic Entry: Potential Implication in Chromosomal Stability**  
G. Lomberk, D. Bensi, R. Urrutia. GI Research Unit, Mayo Clinic College of Medicine, Rochester, MN
- 198 **Is 15-Lipoxygenase-1 a Tumor Suppressor in Pancreatic Cancer?**  
S. Noor, R. Hennig, S. Rao, M. Buchler, G. Fuerstenberger, H. Friess, T. Adrian, P. Krieg. Department of Surgery, University of Heidelberg, Germany; German Cancer Center, Heidelberg; Departments of Surgery, Pathology, Feinberg School of Medicine, Northwestern University, Chicago, IL
- 199 **Effect of Non-Ethanol Compounds of Alcoholic Drinks on the Pancreas (a First Review)**  
M. Singer, A. Gerloff, P. Feick. Department of Medicine II, University Hospital of Heidelberg at Mannheim, Germany
- 200 **Overexpression of 14-3-3 $\sigma$  Confers a Growth and Survival Advantage in Pancreatic Cancer**  
D. Neupane, M. Korc. Departments of Medicine, Pharmacology, Toxicology, Dartmouth Medical School, Hanover, New Hampshire

- 201 **Apigenin Inhibits Pancreatic Cancer Cell Proliferation via Down-Regulation of the GLUT-1 Glucose Transporter Through the Phosphoinositide 3-kinase (PI3K)/Akt Signaling Pathway**  
L. Golkar, M. Salabat, X. Ding, M. Ujiki, S. Rao, J. McGill, C. Chen, D. Heiferman, J. Pelling, R. Bell, M. Talamonti, D. Bentrem. Northwestern Memorial Hospital; Lurie Comprehensive Cancer Center, Chicago, IL
- 202 **Therapy of Pancreatic Carcinoma in a Mouse Model Using Streptococcus Pyogenes**  
C. Maletzki, M. Linnebacher, R. Jaster, S. Liebe, T. Kreikemeyer, J. Emmrich. Dept. of Medicine, Dept. of Surgery, Inst. of Microbiology, University of Rostock, Germany
- 203 **Changes in Serum Reg Levels Following Kidney Transplantation**  
M. Stratilatova, M. Pandya, H. Drew, T. Smith-Norowitz, M. Markell, M. Zenilman, M. Bluth. Department of Medicine, Pediatrics, Surgery, SUNY Downstate Medical Center, Brooklyn, NY
- 204 **Statins in Experimental Acute Pancreatitis**  
J. de Almeida, J. Jukemura, A. Coelho, S. Sampietre, N. Molan, M. Machado, J. da Cunha. Dept. of Gastroenterology, University of São Paulo, São Paulo, Brazil
- 205 **Plasminogen Activating System in Cultured Pancreatic Stellate Cells: Effects of Ethanol**  
A. Lugea, S. Pandol. USC-UCLA Research Center for Alcohol Liver and Pancreatic Diseases, University of California; VAGLAHS, Los Angeles, CA
- 206 **Endoplasmic Reticulum Stress in L-Arginine-Induced Mouse Model of Pancreatitis**  
R. Dawra, R. Sharif, P. Phillips, V. Dudeja, A. Saluja. University of Massachusetts Medical School, Dept of Surgery, Worcester, MA; University of Minnesota, Minneapolis, MN
- 207 **Triptolide Induces Apoptosis in Pancreatic Cancer Cells via Inhibition of Heat Shock Protein 70 (HSP70)**  
P. Phillips, V. Dudeja, R. Sharif, R. Dawra, A. Saluja. University of Massachusetts Medical School, Dept. of Surgery, Worcester, MA; University of Minnesota, Minneapolis, MN

Boards 208-215: Clinical Posters of Distinction

- 208 **Infectious Complications after EUS-Guided Fine Needle Aspiration (FNA) of Pancreatic Cystic Lesions (PCL)**  
S. Gross, M. Al-Haddad, K. Noh, S. Pungpapong, T. Woodward,

- M. Wallace, M. Raimondo. Division of Gastroenterology & Hepatology, Mayo Clinic College of Medicine, Jacksonville, FL
- 209 **Cytology Brushings vs. Standard Fine Needle Aspiration (FNA) in Evaluating Pancreatic Cystic Lesions (PCL): A Controlled Study**  
M. Al-Haddad, M. Raimondo, T. Woodward, M. Krishna, S. Pungpapong, K. Noh, M. Wallace. Mayo Clinic College of Medicine, Jacksonville, FL
- 210 **Diabetes is not a Predisposing Factor for Pancreatic Cancer—New Evidence**  
P. Pour. UNMC/Eppley Cancer Center; Department of Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE
- 211 **Pancreatic Ductal Sonographic Abnormalities are Predictive of Impaired Duct-Cell Exocrine Function**  
T. Stevens, D. Conwell. The Pancreas Clinic, Department of Gastroenterology, Cleveland Clinic Foundation, Cleveland, OH
- 212 **Antisense Intronic Non-Coding RNA Levels in Pancreatic Cancer**  
M. Kubrusly, E. Reis, R. Louro, L. Camargo, R. Fonseca, J. Cunha, J. Jukemura, T. Bacchella, S. Verjovski-Almeida, M. Machad. Department of Biochemistry, University of São Paulo/ Biochemistry Institute; Department of Surgery, Gastroenterology, University of São Paulo School of Medicine, São Paulo, Brasil
- 213 **Impact of Endoscopic Ultrasound (EUS) Guided Fine Needle Biopsy in the Diagnosis of Pancreatic Masses**  
J. Iglesias-García, I. Abdulkader, J. Lariño-Noia, J. Forteza, J. Domínguez-Munoz. Departments of Gastroenterology and Pathology, University Hospital of Santiago de Compostela, Spain
- 214 **Oral Pancreatic Enzyme Substitution Therapy in Patients with Chronic Pancreatitis: Assuring a Normal Nutritional Status**  
J. Dominguez-Munoz, M. Vilarino, M. Iglesias-Rey, J. Iglesias-García. Department of Gastroenterology, University Hospital of Santiago de Compostela, Spain
- 215 **MCP1 Genotype in Acute Pancreatitis**  
G. Cavestro, S. Bertolini, S. Okolicsanyi, G. Sereni, L. Frulloni, L. Cavallaro, E. Masselli, A. Protti, P. Del Rio, P. Zanelli, M. Sianesi, G. Cavallini, A. Franzè, F. Di Mario. University of Parma, Dept Clinical Science, Parma, Italy; University of Verona, Surgery and

Gastroenterology, Verona, Italy; Nephrology, Parma Hospital, Parma, Italy; University of Parma, Surgery, University of Parma, Parma, Italy; Gastroenterology, Parma Hospital, Parma, Italy

#### Boards 216-237: Clinical Posters

- 216 Reoperations after Frey Procedure for Chronic Pancreatitis**  
S. Egawa, N. Sakata, Y. Mikami, F. Motoi, T. Abe, S. Fukuyama, M. Unno. Dept. of Gastroenterological Surgery, Tohoku University, Sendai, Japan
- 217 Cystic Fibrosis (CF) and the Risk of Pancreatic Cancer (PDAC)**  
A. Lowenfels, P. Maisonneuve, B. Marshall. Dept. Surgery New York Medical College, Valhalla NY; Epidemiology Unit, European Institute of Oncology, Milan, Italy; Cystic Fibrosis Foundation, Bethesda, MD
- 218 The Natural Course of Acute Idiopathic Pancreatitis**  
P. Lankisch, N. Breuer, A. Bruns, B. Weber-Dany, P. Maisonneuve, A. Lowenfels. Department of Internal Medicine, Municipal Clinic of Lueneburg, Germany; European Institute of Oncology, Milan, Italy; New York Medical College, Valhalla, NY
- 219 Acute Biliary Pancreatitis in Cholecystectomized Patients**  
K. Sung, N. Liu, C. Lee, J. Tang, C. Yang, C. Lin, C. Cheng. Digestive Therapeutic Endoscopic Section, Department of Hepato-Gastroenterology, Chang Gung Memorial Hospital, Taipei, Taiwan
- 220 Oxidative Stress and Liver Dysfunction in Acute Pancreatitis**  
I. Bihalsky, S. Chooklin, A. Perejaslov. Department of Surgery, Medical University, Lviv, Ukraine
- 221 Prophylactic Duodenum and Spleen Preserving Total Pancreatectomy for a Patient with Hereditary Pancreatic Cancer: A Case Report**  
T. Hatori, A. Fukuda, S. Onizawa, T. Sugiki, I. Fujita, T. Nishino, K. Shiratori, M. Yamamoto. Department of Gastroenterological Surgery, Tokyo Women's Medical University, Tokyo, Japan; Department of Gastroenterological Internal Medicine, Tokyo Women's Medical University, Tokyo, Japan
- 222 Drug-Induced Acute Pancreatitis: An Evidence Based Approach**  
N. Badalov, R. Baradaran, K. Iswara, W. Steinberg, S. Tenner. Division of Gastroenterology, Maimonides Medical Center; State University of New York; The George Washington University School of Medicine, Washington, DC

- 223 **Randomised Phase I/II Trial Assessing the Safety and Efficacy of Radio Labelled Anti-Carcinoembryonic Antigen Antibodies in Unresectable Pancreatic Cancer**  
A. Sultana, S. Shore, S. Vinjamuri, J. Evans, C. Tudur Smith, S. Chauhan, L. Bosonnet, C. Garvey, J. Neoptolemos, P. Ghaneh. Division of Surgery and Oncology, Departments of Nuclear Medicine and Radiology, Royal Liverpool University Hospital, Centre for Medical Statistics and Health Evaluation, University of Liverpool, Liverpool, UK
- 224 **The Recurrence of Alcohol Induced Pancreatitis may be Reduced by 6-month Intervention Therapy**  
H. Pelli, R. Lappalainen-Lehto, J. Sand, I. Nordback. Dept. of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Finland
- 225 **Evaluating Chronic Pancreatitis by Endoscopic Ultrasound (EUS)-Guided Fine Needle Biopsy (FNB)**  
J. Iglesias-García, J. Lariño-Noia, I. Abdulkader, J. Forteza, J. Domínguez-Munoz. Departments of Gastroenterology and Pathology. University Hospital of Santiago de Compostela, Spain
- 226 **Risk Factors for Pancreatic Fistula. Does it have a Clinical Application for Early Identification of Patients with High Risk to Develop Pancreatic Fistula after Pancreaticoduodenectomy?**  
A. Matheus, A. Montagnini, J. Jukemura, R. Jureidini, M. Perini, S. Penteadó, L. Haddad, E. Abdo, J. Cunha. Dept. of Gastroenterology, University of São Paulo, São Paulo, Brazil
- 227 **Trends in Stomach and Pancreatic Cancer Incidence and Mortality in England and Wales, 1951-2000: Analysis by Age, Period and Cohort**  
D. Fitzsimmons, C. Osmond, S. George, C.D. Johnson. School of Health Science, University of Wales Swansea; MRC Epidemiology Resource Centre, Health Care Research Unit, University Surgical Unit, Southampton General Hospital, Southampton, United Kingdom
- 228 **How Accurate are ICD-9 Codes for Acute (AP) and Chronic (CP) Pancreatitis? A Large VA Hospital Experience**  
D. Yadav, R. Dhir. Central Arkansas Veterans Healthcare System and University of Arkansas for Medical Sciences, Little Rock, AR
- 230 **Incidence of Acute Pancreatitis in Patients Complaining of Acute Abdominal Pain in Japan**  
Y. Kihara, M. Otsuki. Research Committee of the Intractable Diseases of the Pancreas, Department of Gastroenterology and Metabolism, University of Occupational and Environmental Health, School of Medicine, Kitakyushu, Japan

- 231 **The M-ANNHEIM Classification of Chronic Pancreatitis: A New Classification System According to Etiology, Clinical Stages and Severity of the Disease**  
A. Schneider, J. Löhr, M. Singer. Department of Medicine II (Gastroenterology, Hepatology, Infectious Diseases), Medical Faculty at Mannheim, University of Heidelberg, Mannheim, Germany
- 232 **Assessment of Isoform Specificity of a Polyclonal Elastase ELISA**  
F. Weiss, M. Ruthenbürger, E. Hammer, U. Völker, M. Lerch. Department of Gastroenterology, Laboratory for Functional Genomics, University of Greifswald, Germany
- 233 **PIBF (Progesteron Induced Blocking Factor) is Elevated in Pancreatic Cancer Patients**  
Á. Pap, T. Micsik, B. Polgár, K. Ráski, F. Péterffy, E. Schafer, K. Diófalvi, F. Hollósy, L. Kopper, R. Schwab, J. Szekeres-Barthó, I. Peták. Dept. of Microbiology and Immunology, Medical University, Pécs, Hungary; Diagnosztikum Rt/Ltd, Budapest, Hungary; Dept. of Gastroenterology and Surgery, MÁV Hospital, Budapest, Hungary; Cooperative Research Center, 1st Dept. of Pathology, Semmelweis University, Budapest, Hungary
- 234 **IL-6 Levels do not Increase with Adding Systemic Complications in Patients with AP: An Analysis on the Number of Organ Failures**  
A. Duarte-Rojo, A. Lezama Barreda, J. Suazo-Barahona, T. Ramírez, G. Robles-Díaz. INCMNSZ-UNAM. Mexico City, Mexico
- 235 **Synthetic Human Secretin Enhances the Diagnostic Accuracy of Magnetic Resonance Cholangiopancreatography (MRCP)**  
D. Conwell, G. Zuccaro. The Pancreas Clinic, Department of Gastroenterology and Hepatology, The Cleveland Clinic Foundation, Cleveland, OH
- 236 **The MCP-1 Gene Polymorphism is not Associated with Susceptibility for Chronic Alcoholic Pancreatitis in Korean**  
S. Lee, J. Ryu, J. Park, S. Woo, J. Yoo, Y. Kim, Y. Yoon. Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea
- 237 **Determination of the Diagnostic Accuracy of Serum Trypsinogen as a Screening Test for the Evaluation of Pancreas Exocrine Insufficiency: A Clinical Application of the Endoscopic Pancreatic Function Test**  
G. Zuccaro, III, D. Conwell. Saint Ignatius High School, Cleveland, Ohio; The Pancreas Clinic, Department of Gastroenterology and Hepatology, Cleveland Clinic Foundation, Cleveland, Ohio

## Conclusion of Poster Sessions



**Save the Date**  
**American Pancreatic Association**  
**2007 Annual Meeting**  
**November 1-3, 2007**  
**Chicago, Illinois**

