

Curriculum Vitae

Date Prepared: February 18, 2013
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Education

09/81-06/85	Artium Baccalaurei Summa cum Laude	Chemistry	Princeton University, Princeton, NJ
08/85-05/89	Doctor of Medicine	Medicine	Washington University in St. Louis, St. Louis, MO

Postdoctoral Training

06/89-06/90	Categorical Internship	General Surgery	UCLA Center for the Health Sciences, Los Angeles, CA
07/90-06/95	Categorical Resident	General Surgery	UCLA Center for the Health Sciences, Los Angeles, CA
07/91-06/93	Research Fellow	Membrane Ion Transport Dr. Joel J. Roslyn, mentor	UCLA Center for the Health Sciences, Los Angeles, CA
07/95-06/96	Chief Surgical Resident	General Surgery	UCLA School of Medicine, Los Angeles, CA

Faculty Academic Appointments

08/96-06/98	Fellow, Surgical Metabolism	MCP Hahnemann University, Philadelphia, PA
08/96-06/98	Instructor of Surgery	MCP Hahnemann University, Philadelphia, PA
07/98-06/99	Assistant Professor of Surgery	MCP Hahnemann University, Philadelphia, PA
08/99-06/00	Visiting Assistant Professor of Surgery	University of Pittsburgh School of Medicine, Pittsburgh, PA
07/00-06/08	Assistant Professor of Surgery	University of Pittsburgh School of

		Medicine, Pittsburgh, PA
07/00-06/08	Secondary Appointment; Assistant Professor of Cell Biology and Physiology	University of Pittsburgh School of Medicine, Pittsburgh, PA
07/08-3/12	Associate Professor of Surgery	University of Pittsburgh School of Medicine, Pittsburgh, PA
07/08-3/12	Secondary Appointment; Associate Professor of Cell Biology and Physiology	University of Pittsburgh School of Medicine, Pittsburgh, PA
5/12-	Adjunct Associate Professor of Surgery	University of Pittsburgh School of Medicine, Pittsburgh, PA
5/12-	Visiting Associate Professor of Surgery	Harvard Medical School Boston, MA

Appointments at Hospitals/Affiliated Institutions

Past

08/96-06/99	Active-Staff Surgeon	General and Gastrointestinal Surgery	Hahnemann University Hospital, Philadelphia, PA
07/97-06/99	Attending	Nutrition Support Service	Hahnemann University Hospital, Philadelphia, PA
08/02-04/04	Active-Staff Surgeon	General and Gastrointestinal Surgery	Veterans Affairs Pittsburgh Healthcare System, Pittsburgh, PA
08/99-3/12	Active-Staff Surgeon	Gastrointestinal Surgical Oncology	UPMC Presbyterian Shadyside Hospital, Pittsburgh, PA
08/99-3/12	Active-Staff Surgeon	Gastrointestinal Surgical Oncology	UPMC Presbyterian Shadyside Hospital (Shadyside Campus), Pittsburgh, PA

Current

5/12-	Active-Staff Surgeon	Surgical Oncology	Beth Israel Deaconess Medical Center, Boston, MA
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Other Professional Positions

2008-2009	Scientific Consultant/Speaker	Axcan Pharmaceuticals
2010-2011	Scientific Advisory Board	Precision Therapeutics
2010-2011	Scientific Advisory Board	MedTrend, Inc.
2011-2012	Scientific Consultant/Speaker	Salient Surgical
2011-	Member, Executive Committee	Pancreatic Cancer Research Team, Scottsdale, AZ
2012-	Scientific Consultant	Bayer Corporation
2012-	Educational Consultant	Intuitive Surgical

Major Administrative Leadership Positions

Local

MCP Hahnemann University

1997-1999	Director, Department of Surgery Grand Rounds	MCP Hahnemann University, Philadelphia, PA
1998-1999	Residency Program Coordinator, Department of Surgery	Hahnemann University Hospital, Philadelphia, PA
1998-1999	Director, Nutrition Support Service	Hahnemann University Hospital, Philadelphia, PA

University of Pittsburgh Medical Center

2000-2004	Director, Department of Surgery Grand Rounds	University of Pittsburgh School of Medicine, Pittsburgh, PA
2006-2012	Director, Pancreatic Cancer Conference	University of Pittsburgh School of Medicine, Pittsburgh, PA
2006-2012	Co-Director, UPMC Pancreatic Cancer Center	University of Pittsburgh Medical Center, Pittsburgh, PA
2008-2012	Director of Translational Research, Surgical Oncology Fellowship Program	University of Pittsburgh School of Medicine, Pittsburgh, PA
2009	Course Co-Director; PancreasFest 2009: Personalized Medicine and Pancreatic Disease, Challenging the Experts	University of Pittsburgh School of Medicine, Pittsburgh, PA
2010	Course Co-Director; First International Thought Leaders' Symposium on Minimally-Invasive Pancreas Surgery	University of Pittsburgh School of Medicine, Pittsburgh, PA
2011	Course Co-Director; Second International Thought Leaders' Symposium on Minimally-Invasive Pancreas Surgery	University of Pittsburgh School of Medicine, Pittsburgh, PA
2011-2012	Program Leader: Surgical Oncology and Robotics; Surgical Services Oversight Committee	UPMC Presbyterian Shadyside Hospital, Pittsburgh, PA

Beth Israel Deaconess Medical Center

2012-	Executive Director, Institute for Hepatobiliary and Pancreatic Surgery	Beth Israel Deaconess Medical Center, Boston, MA
2013-	Department of Surgery Leadership Council	Beth Israel Deaconess Medical Center, Boston, MA

Dana Farber Harvard Cancer Center

2013-	Member, Gastrointestinal Cancer Unit	Beth Israel Deaconess Medical Center, Boston, MA
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Committee Service

Local

MCP Hahnemann University

1998-1999	Infection Control Committee	Hahnemann University Hospital, Philadelphia, PA
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University of Pittsburgh Medical Center

1999-2002	Education Subcommittee, Department of Surgery	University of Pittsburgh School of Medicine, Pittsburgh, PA
2000-2009	Nutrition Subcommittee	University of Pittsburgh Medical Center, Pittsburgh, PA
2001-2010	Infection Control Committee	University of Pittsburgh Medical Center, Pittsburgh, PA
2006-2010	Admissions Committee, Interviewer	University of Pittsburgh School of Medicine, Pittsburgh, PA
2007-2012	Pancreatic Cancer Pathway Committee	University of Pittsburgh Cancer Centers, Pittsburgh, PA
2010-2012	Committee on Cancer	University of Pittsburgh Cancer Centers, Pittsburgh, PA

Beth Israel Deaconess Medical Center

2012-	Cancer Center Executive Committee	Beth Israel Deaconess Medical Center, Boston, MA
2012-	NSQIP Committee	Beth Israel Deaconess Medical Center, Boston, MA
2013-	Department of Surgery Website Working Group	Beth Israel Deaconess Medical Center, Boston, MA

Professional Societies

1985-	Phi Beta Kappa	Member
1985-	Sigma Xi Scientific Research Society	Member
1989-	Alpha Omega Alpha Honor Medical Society	Member
1997-	American Gastroenterological Association	Member
1997-	Society of Surgery of the Alimentary Tract (SSAT)	Member
	2004	Chair, Pancreatic Cancer Symposium, 45 th Annual Meeting
	2005-2008	Finance Committee
	2008-2011	Publications Committee
1997-	Association for Academic Surgery	Member
	1998-1999	Chairman, Local Arrangements Committee

	1999-2001	Committee on Issues
	2000-2001	Chairman, Committee on Issues
	2000-2002	Executive Council
1996-	American College of Surgeons	Candidate Member
	1999	Fellow, American College of Surgeons
2000-	The Society of University Surgeons	Member
	2005-2007	Committee on Issues
2004-	The Society of Surgical Oncology	Member
2004-	Society of American Gastrointestinal Endoscopic Surgeons (SAGES)	Member
	2011-2012	Quality Outcomes and Safety Committee
2007-	Longmire Surgical Society	Member
2008-	The Pancreas Club	Member
	2008-2009	Program Committee
	2011-2013	Program Committee
2008-	Americas Hepato-Pancreato-Biliary Association (AHPBA)	Member
	2008-2009	Program Committee
	2010-2011	Committee on Emerging Technology and Therapeutics
	2011-2012	Co-Chair, Committee on Emerging Technology and Therapeutics
	2012-2014	Chair, Committee on Emerging Technology and Therapeutics
	2013	Course Co-Director, Symposium on Emerging Technologies, 2013 Annual Meeting

Grant Review Activities

1998	Grant Reviewer, Career Development Award	The Society of University Surgeons
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Editorial Activities

- Ad hoc Reviewer
 - Annals of Surgery*
 - Journal of Gastrointestinal Surgery*
 - Journal of the American College of
Surgeons*
 - Digestive and Liver Disease*
 - Hepatology*
 - Archives of Surgery*
 - Digestive Disease and Sciences*
 - Surgery*
 - Journal of Clinical Oncology*
 - HPB*

Cancers
Surgical Endoscopy

• **Other Editorial Roles**

2001-2004 Editorial Board *Journal of Surgical Research*

Honors and Prizes

1981	Presidential Scholar		
1985	Sigma Xi Scientific Research Society Book Prize	Princeton University	Research thesis
1985	Summa cum Laude	Princeton University	Chemistry
1985	Phi Beta Kappa	Princeton University	Chemistry
1989	Harvey S. Butcher Surgery Prize	Washington University in St. Louis	Surgery
1989	Alpha Omega Alpha Honor Medical Society	Washington University in St. Louis	Medicine
1997	UCLA Outstanding Physician for 1991, Honorable Mention	UCLA Center for the Health Sciences	Surgery
1999	Gold Scalpel Award	MCP Hahnemann University	Teaching excellence as Assistant Professor
2005	American Society of Clinical Investigation Travel Scholarship		Basic Research
2010	Researcher of the Year	Translational Genomics Research Inst, Scottsdale, AZ	Pancreatic cancer

Report of Funded and Unfunded Projects

Past Funded Projects

1997-1999	Second Messengers, Gallbladder Transport and Gallstones NIH R01 DK 51585 Co-Investigator Identify cholesterol-induced alterations in gallbladder ion transport regulation leading to gallstone formation in the prairie dog model of cholesterol cholelithiasis
2000-2002	Gallbladder Calcium Transport and Gallstone Formation Competitive Medical Research Foundation, University of Pittsburgh Principal Investigator Biliary calcium homeostasis as a risk factor for cholesterol gallstone formation
2002-2007	Role of Gallbladder Ion Transport in Gallstone Formation NIH K08 DK60485 Principal Investigator Career development award to investigate gallbladder epithelial transport in the cholesterol-

fed prairie dog model of cholelithiasis

- 2002-2008 Phase I study of celecoxib and irinotecan with concurrent radiotherapy in the preoperative treatment of pancreatic cancer
Pfizer CPTAIV-0020: Investigator-Initiated
Principal Investigator
Clinical trial studying a novel multimodality regimen for chemoradiation of locally-advanced pancreatic cancer
- 2008-2009 Phase 1b/2 Study to Evaluate the Safety and Efficacy of AMG655 or AMG479 in Combination with Gemcitabine as First-Line Therapy for Metastatic Pancreatic Cancer, Amgen
Site Principal Investigator
Industry-sponsored trial studying death receptor agonists in addition to gemcitabine for metastatic pancreatic cancer
- 2008-2009 Targets to Therapeutics in Pancreatic Cancer
NIH 5P01CA109552
Coinvestigator
Multicenter program project grant to bank human pancreatic cancer and identify novel targets for clinical trial development
- 2006-2011 Phase II study of the anti-vascular endothelial growth factor (VEGF) monoclonal antibody bevacizumab in combination with fixed-dose rate gemcitabine and rapid fractionation radiotherapy in the preoperative treatment of potentially resectable pancreas cancer
Genentech AVF3883s: Investigator-initiated
Principal Investigator
Phase II clinical trial of a novel neoadjuvant study design and drug regimen for potentially-resectable pancreatic cancer
- 2011-2012 NLG0405 Phase III Study of Chemotherapy and Chemoradiotherapy with or without HyperAcute®-Pancreas Immunotherapy in Subjects with Surgically-Resected Pancreatic Cancer
NewLink Genetics: Industry Sponsored
Site Principal Investigator
Phase III clinical trial of the genetically-modified pancreatic cancer vaccine algenpantucel-L as adjuvant therapy for resected pancreatic cancer
- 2011-2012 Pilot Phase II Multi Center Study of Gemcitabine and Nab Paclitaxel as Preoperative Therapy for Potentially-Operable Pancreatic Cancer
Celgene: Investigator-Initiated
National Co-Principal
Accrual Complete Sept. 2012

Current Funded Projects

- 2007-TBA Predictive modeling of cancer outcomes in patients with early stage pancreatic ductal adenocarcinoma
Mellie's Mission

Principal Investigator
Validation of a preoperative nomogram to predict cancer-specific survival after surgical intervention for early stage pancreatic ductal adenocarcinoma

2007- TBA Predictive modeling of cancer outcomes in patients with early stage pancreatic ductal adenocarcinoma
John F. Fortney Charitable Pancreatic Cancer Research Group
Principal Investigator
Validation of a preoperative nomogram to predict cancer-specific survival after surgical intervention for early stage pancreatic ductal adenocarcinoma

2010- TBA Predictive modeling of cancer outcomes in patients with early stage pancreatic adenocarcinoma
Greg and Cathy Griffith Family Foundation : Investigator-initiated
Principal Investigator
Validation of a preoperative nomogram to predict cancer-specific survival after surgical intervention for early stage pancreatic ductal adenocarcinoma

2013-2015 Markov modeling of surrogate markers for pancreatic cancer survival after resection.
Project Purple Foundation: Investigator-initiated
Principal Investigator

Report of Local Teaching and Training

Teaching of Students in Courses:

MCP Hahnemann University

1996-1999 First-Year Medical Student Nutrition Course
Lecturer, "Nutrition Support in the Critically-Ill"
Students: 250 per year
Preparation/Contact hours: 5 per year

University of Pittsburgh School of Medicine

2006-2012 Weekly Pancreas Multidisciplinary Conference
Students: 25 per year
Preparation/Contact time: 60 per year
2010-2012 Medical School Gastroenterology Course
Lecturer, "Pathophysiology of Gallstone Disease"
Students: 150 per year
Preparation/Contact hours: 5 per year

Harvard University School of Engineering/ Wyss Institute

2013-2014 Development of a Novel Soft Tissue Retractor for Robotic Surgery
Students: 4 per semester (Two undergraduate and two graduate students)
Preparation/Contact time: 30 per semester
Course Directors: Conor Walsh, PhD (Wyss Institute)

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

MCP Hahnemann University

- 1996-1999 American Board of Surgery Review Tutorial
Director: A.J. Moser, MD
Surgical residents: 20 per year
Preparation/Contact hours: 8 per year
- 1997-1999 Nutrition Support Service Academic Program
Lecturer, nutritional support for critically-ill acute pancreatitis
Director: Rolando Rolandelli, MD
Preparation/contact hours: 20 per year

University of Pittsburgh School of Medicine

- 1999-2009 Core curriculum in gastroenterology
Director: Toby Graham, MD
Gastroenterology fellows: 18
Preparation/Contact hours: 5 per year
- 2009-2011 Introduction to Clinical and Translational Research in Oncology
Director: David L. Bartlett, MD
Surgical oncology fellows: 12
Preparation/Contact hours: 30 per year
- 1999-2012 Core curriculum in general surgery
Lecturer: Abdominal pain, biliary stricture, small bowel adenocarcinoma, pancreatitis, peptic ulcer disease, pancreatic masses, colon cancer, enterocutaneous fistula
Director: Kenneth K.W. Lee
Surgical residents: 40
Preparation/Contact time: 6 hours per year
- 2006-2012 Weekly Pancreas Multidisciplinary Conference
Surgical Residents and Fellows: 40 per year
Preparation/contact time: 60 per year

Beth Israel Deaconess Medical Center

- 2012- Co-Director, Pancreatobiliary Multidisciplinary Management Conference
Residents, Fellows, and Faculty: 40 per year
Preparation/contact time: 75 hours per year
Approved by Harvard Medical School for 1 hour CME/week

Clinical Supervisory and Training Responsibilities

MCP Hahnemann University

1996-1999 Core Clerkship in Surgery
Director: Rolando Rolandelli, MD
Preceptor for patient care and surgical treatment
Two medical students per month
Preparation/Contact time: 10-15 hours per week

University of Pittsburgh School of Medicine

1999-2012 Core Clerkship in Surgery
Director: Peter Ferson, MD
Preceptor for patient care and surgical treatment
One medical student per month
Preparation/Contact time: 20 hours per week

1999-2012 Fellowship in Pancreas and Biliary Surgery
Director: David L. Bartlett, MD
One surgical oncology fellow continuously
Preparation/Contact time: 30 hours per week

Beth Israel Deaconess Medical Center

2012- Core Clerkship in Surgery
Director: Michael Cahalane, MD
Preceptor for patient care and surgical treatment
One to two medical students per month
Preparation/Contact time: 8 hours per week

2012- General Surgery Residency
Director: Tara Kent, MD
Clinical supervision during inpatient rounding and consults, outpatient clinics and operating room
PGY 1-5 residents
Full time, year round

Laboratory and Other Research Supervisory and Training Responsibilities

1999-2002	Aimee Schreiner, MS	Daily supervision of research fellow, molecular biology, training in electrophysiology, Ussing chamber methodology, radioisotope flux, small animal surgery
2002-2005	Jessica Robuck, BS Went to medical school	Daily supervision of research fellow, training in electrophysiology, Ussing chamber methodology, radioisotope flux, small animal surgery
2001-2007	Archana Gangopadhyay, PhD Promoted to Research Instructor University of Pittsburgh	Daily mentorship of research PhD: advanced electrophysiology, impedance analysis, molecular biology, electron microscopy, cell death
2007-2009	Narcis Zarnescu, MD Completed second research	Bile proteomic analysis, markers of cell death/necrosis

Fellowship Karolinska Institute
Stockholm Sweden

Formally Supervised Trainees

MCP Hahnemann University

- 1996-1997 Philip A. Weber, MD; Research Fellow in Membrane Ion Transport
Expression of Plasma Membrane Ca^{2+} -ATPase (PMCA-1) by Gallbladder Epithelium
Published two manuscripts
Current position: Attending surgeon
- 1997-1999 Kenneth E. Morgenstern, MD; Research Fellow in Membrane Ion Transport
Project: Apical Na^+/H^+ Exchange in a Novel Gallbladder Cell Line
Published four manuscripts and two book chapters
Current position: Assistant Professor of Surgery, Thomas Jefferson School of Medicine

University of Pittsburgh School of Medicine

- 2001-2003 Lisa A. Rutstein, MD; Surgical Oncology Clinical Research Fellow
Phase 1 study of celecoxib, irinotecan, and concurrent radiotherapy in the preoperative treatment of pancreatic cancer
Investigator-initiated clinical trial design and implementation
Current position: Attending surgeon
- 2003-2004 Vivek Maheshwari, MD; Surgical Oncology Clinical Research Fellow
Current management of locally-advanced pancreas cancer
Published two review papers on the current treatment of locally-advanced pancreatic ductal adenocarcinoma
Current position: Assistant Professor of Surgery, Albert Einstein School of Medicine
- 2005-2006 Matthew J. D'Alessio, MD; Surgical Oncology Clinical Research Fellow
Predictive modeling of resectability for early stage pancreatic cancer
Published one original manuscript
Current position: attending surgeon
- 2007-2008 Jan D. Franko, MD, PhD; Institute of Clinical Research Education Scholar
Genetic predictors of survival after resection of early stage pancreatic cancer
Published three original scientific manuscripts and two book chapters
Current position: Adjunct professor of surgery, University of Iowa
- 2007-2009 Narcis O. Zarnescu, MD; Postdoctoral Research Fellow
Multivariable modeling of risk factors for pancreatic fistula after distal pancreatectomy
Published one original manuscript and four book chapters
Current position: Attending surgeon
- 2008-2009 Philip Bao, MD; Surgical Oncology Clinical Research Fellow
Multivariable predictive modeling to maximize curative resection of pancreatic adenocarcinoma
Published two original manuscripts

Current position: Assistant professor of surgery, SUNY Downstate

- 2008-2009 Mario Lora, MD; Surgical Oncology Clinical Research Fellow
Genomic determinants of overall survival after resection of pancreatic adenocarcinoma
Published three book chapters
Current position: Medicine resident
- 2008-2009 Arun Mavanur, MD; Surgical Oncology Clinical Research Fellow
Immunotherapy approaches to locally-advanced pancreatic cancer
Current position: Attending surgeon
- 2009-2010 Amer Zureikat, MD; Surgical Oncology Fellow
Prognostic modeling of survival after resection of pancreatic adenocarcinoma
Published four original manuscripts
Current position: Assistant professor of surgery, University of Pittsburgh School of Medicine
- 2010-2011 Harold Huss, MD; Surgical Oncology Fellow
Preservation of parenchymal function after minimally-invasive central pancreatectomy
Current position: Attending surgeon
- 2010-2012 George Van Buren, MD; Surgical Oncology Fellow
Phase II of the Anti-vascular Endothelial Growth Factor (VEGF) Monoclonal Antibody Bevacizumab in Combination with Fixed Dose Rate Gemcitabine and Sequential Radiotherapy in the Preoperative Treatment of Potentially-Resectable Pancreatic Adenocarcinoma
Several manuscripts under review
Current position: Surgical oncology fellow
- 2010-2012 Mustapha Daouadi, MD; Pancreatic Surgery Research Fellow
Four manuscripts accepted and in press including Annals of Surgery
- 2011-2012 John Prodromo, BS; 4th year medical student research elective
“Robotic transduodenal ampullectomy”
“Prognostic modeling of patients with resectable pancreatic cancer.”
Video abstract accepted to the 2012 Digestive Disease Week, San Diego, CA
- 2012- Mohammad Jamal, MD; HPB Surgery Fellow, McGill University, Montreal, CA
“Prognostic modeling of pancreatic cancer.”

Harvard Medical School

- 2012- Sayuri Jinadasa, MD; Clinical Scholars Program.
External validation of a prediction rule for treatment of early stage pancreatic cancer.
Current position: BIDMC Categorical Surgery Resident
- 2012- Courtney Barrows, MD; Clinical Scholars Program.
External validation of a prediction rule for treatment of early stage pancreatic cancer.
Current position: BIDMC Categorical Surgery Resident

Formal Teaching of Peers

2011-2012 M. Fatih Can, MD Assistant Professor of Surgery; Gulhane School of Medicine, Ankara
Turkey
Advanced Robotic HPB Surgery

Continuing Medical Education Courses

Those presentations below sponsored by outside entities are so noted and the sponsor is identified

- 2005 “Surgery for Chronic Pancreatitis” Update in Gastroenterology,
Department of Medicine, University of Pittsburgh School of
Medicine
- 2007 Update in Internal Medicine: Allegheny Medical Society and
Department of Medicine; “Innovations in the Treatment of
Pancreatic Cancer”
University of Pittsburgh School of Medicine
- 2008 “Chronic Pancreatitis and Pancreatic Insufficiency” CME Program,
Single Presentation, Pittsburgh, PA (Axcen Pharmaceuticals)
- 2009 “Chronic Pancreatitis: The Good, the Bad, and the Ugly.” CME
Program, Single Presentation, Cleveland, OH (Axcen
Pharmaceuticals)
- 2009 Division of Geriatrics Topic Conference: “Multidisciplinary
management of pancreatic cancer in the elderly.”
University of Pittsburgh School of Medicine
- 2010 “Antiplatelet Therapy: Difficult Situations in Everyday Practice”
Update in Cardiology; Nemacolin Woodlands
University of Pittsburgh School of Medicine
- 2006- Weekly Pancreas Multidisciplinary Conference
2012 Telecast to 3 institutions within UPMC Cancer Centers and designed
to coordinate patient care, teach, and foster pancreatic research
among gastroenterology, surgical/radiation/medical oncology,
radiology, pathology, and palliative care
50 CME credits/year
University of Pittsburgh School of Medicine
- 2012- Pancreatobiliary Multidisciplinary Conference
Weekly conference for faculty, fellows, residents, and medical
students designed to coordinate patient care, teach, and foster
pancreatobiliary research among gastroenterology,

surgical/radiation/medical oncology, radiology, pathology, and
palliative care; 50 CME credits/year
Beth Israel Deaconess Medical Center/Harvard Medical School

Local Invited Presentations

No presentations below were sponsored by outside entities

- 2001 “2001: A Stone Odyssey”
Grand Rounds, Department of Surgery, University of Pittsburgh School
of Medicine, Pittsburgh, PA
- 2002 “Novel Approaches to Locally-Advanced Pancreatic Cancer”
Grand Rounds, Division of Gastroenterology, University of Pittsburgh
School of Medicine, Pittsburgh, PA
- 2007 “Innovations in the Treatment of Pancreatic Cancer”
Grand Rounds, Department of Medicine, UPMC Shadyside Hospital
and University of Pittsburgh Cancer Institute, Pittsburgh, PA
- 2008 “The Multidisciplinary Paradigm: UPMC Pancreatic Cancer Center”
Grand Rounds, UPMC Mercy, Pittsburgh, PA
- 2008 “Pancreatic Neuroendocrine Tumors”
Professional Education, UPMC Cancer Centers, Pittsburgh, PA
- 2009 “Innovations in the Treatment of Pancreatic Cancer”
Grand Rounds, UPMC Northwest, Franklin, PA
- 2009 “Innovations in the Treatment of Pancreatic Cancer”
UPMC Bedford Tumor Board, Bedford, PA
- 2011 CMI Leadership Executive Committee
“Strategy for Success: Shared Mission and Vision for Pancreatic
Cancer”, University of Pittsburgh School of Medicine, Pittsburgh, PA
- 2011 “Man, Modeling, and Machine: Pancreatic Cancer in the 21st Century”
Department of Surgery Grand Rounds, University of Pittsburgh School
of Medicine, Pittsburgh, PA
- 2011 “Man, Modeling, and Machine: Pancreatic Cancer in the 21st Century”
Department of Medicine Grand Rounds, University of Pittsburgh
School of Medicine, Pittsburgh, PA
- 2011 “Complex Robotic-Assisted Pancreatic Resections.”
Robotic Surgery 2011: Improving Patient Outcomes
UPMC, Pittsburgh, PA

- 2012 “The Future is Undiscovered Country: Innovation and the Future of pancreas Surgery”
Department of Surgery Grand Rounds, Beth Israel Deaconess Medical Center, Boston, MA
- 2013 “The Future is Undiscovered Country: Innovation and the Future of Pancreas Surgery”
Department of Surgery Grand Rounds, Mount Auburn Hospital, Boston, MA

Report of Regional, National and International Invited Teaching and Presentations

Invited Presentations and Courses

Regional

No presentations below were sponsored by outside entities

- 2007 “Innovations in the Treatment of Pancreatic Cancer”
Tumor Board; Jefferson Regional Medical Center, Jefferson Hills, PA
- 2007 “Innovations in the Treatment of Pancreatic Cancer”
Tumor Board; The Medical Center, Beaver, PA
- 2009 “Innovations in the Treatment of Pancreatic Cancer”
Tumor Board; West Virginia University Cancer Center, Morgantown, WV
- 2009 “Innovations in the Treatment of Pancreatic Cancer”
Tumor Board; DuBois Regional Medical Center and Hahne Cancer Center, DuBois, PA
- 2009 “Innovations in the Treatment of Pancreatic Cancer”
Tumor Board; Indiana Regional Medical Center, Indiana, PA
- 2010 “Innovations in the Treatment of Pancreatic Cancer”
Tumor Board; Jefferson Regional Medical Center, Jefferson Hills, PA
- 2010 “Innovations in the Treatment of Pancreatic Cancer”
Grand Rounds, Latrobe Hospital, Latrobe PA
- 2011 “Innovations in the Treatment of Pancreatic Cancer”
Grand Rounds, Washington Hospital, Washington, PA

National

No presentations below were sponsored by outside entities

- 2004 “Laparoscopic Management of Pancreatic Cystic Neoplasms”

- American Pancreatic Association Postgraduate course
Chicago, IL
- 2006 “Adjuvant Treatment for Pancreatic Cancer”
Annual Meeting of the Americas Hepato-Pancreato-Biliary Association
Miami, FL
- 2007 “Neoadjuvant bevacizumab, fixed-dose gemcitabine and concurrent radiation for resectable
pancreatic cancer”
Annual Meeting of the Pancreatic Cancer Research Team
Chicago, IL
- 2007 “Innovations in the Treatment of Pancreatic Cancer”
Department of Surgery Grand Rounds, Naval Medical Center
Portsmouth, VA
- 2008 “Clinical and Translational Research at the UPMC Pancreatic Cancer Center”
Molecular Surgeon Symposium on Personalized Genomic Medicine and Surgery, Baylor
College of Medicine
Houston, TX
- 2008 “Molecular targets and neoadjuvant therapy for pancreatic cancer”
Annual Meeting of the Pancreatic Cancer Research Team
Chicago, IL
- 2008 “To Be or Not 2B: Surgeons and the Future of Pancreatic Cancer”
Visiting Professor, Department of Surgery, The Mayo Clinic
Rochester, MN
- 2009 “Neoadjuvant Therapy: Surgery and the Future of Pancreatic Cancer”
Annual Meeting of the Americas Hepato-Pancreato-Biliary Association
Miami, FL
- 2009 “New Approaches to Neoadjuvant Therapy for Pancreatic Cancer”
7th Annual Meeting of the Pancreatic Cancer Research Team
Orlando, FL
- 2010 “The Trap of Two Dimensional Thinking: Or, Whose Afraid of Pancreatic Cancer.”
8th Annual Meeting of the Pancreatic Cancer Research Team
Chicago, IL
- 2010 “Man and Machine: Teamwork in the 21st Century”
Clinical Robotic Surgery Association
Chicago, IL
- 2010 “Cine Clinic: Laparoscopic Hepatobiliary Surgery, Robotic Assisted Whipple Procedure”
96th Annual Clinical Congress of the American College of Surgeons
Washington, DC

- 2011 “Robotic Assisted Minimally-Invasive Pancreaticoduodenectomy: Results in Fifty Patients”
11th Annual Meeting of the Americas Hepato-Pancreato-Biliary Association
Miami, FL
- 2011 Robotic Applications in HPB Surgery
2011 SAGES Scientific Session
San Antonio, TX
- 2011 “Surgical Approaches to Pancreatic Cancer”
2011 National Pancreas Foundation Fellows Symposium
Atlanta, GA
- 2011 “Personalized Medicine for Pancreatic Cancer”
2011 SSAT State of the Art lecture
52nd Annual Meeting, Society for Surgery of the Alimentary Tract
Chicago, IL
- 2011 “Robotic-Assisted Minimally-Invasive Pancreaticoduodenectomy: Multicenter Analysis of 103 Cases” Abstract
Pancreas Club 45th Annual Meeting
Chicago, IL
- 2011 “Robotic Distal Pancreatectomy”
World Robotic General Surgery Symposium
Miami Beach, FL
- 2011 “Minimally Invasive Pancreatic Surgery”
3rd Annual New Frontiers in Minimally Invasive GI Surgery Symposium
Las Vegas, NV
- 2011 “Advancing Quality of Care through Innovations in Surgery”
Agency for Healthcare Research and Quality Annual Conference
Bethesda, MD
- 2011 “The Right Stuff: Mindset and Proficiency”
Association for Academic Surgery 2011 Fall Course
San Francisco, CA
- 2011 Invited Lecture: Robotic distal vs. Laparoscopic distal Pancreatectomy, New Innovations in General Surgery and Robotics
Houston, TX
- 2011 “Pancreas Cancer 2011: A Surgical Disease?”
Invited Debate Forum
97th Annual Clinical Congress of the American College of Surgeons
San Francisco, CA

- 2011 “Technique and Outcomes of Robotic-Assisted Pancreaticoduodenectomy”
97th Annual Clinical Congress of the American College of Surgeons
San Francisco, CA
- 2012 Moderator: “Borderline Resectable Pancreatic Cancer.” 12th Annual Meeting of the
Americas Hepato-Pancreato-Biliary Association
Miami, FL
- 2012 “The Future is Undiscovered Country.”
Kaiser Permanente 8th Annual National Surgical Symposium
Makena, HI
- 2012 “Improving Patient-Centered Outcomes in Pancreatic Cancer.”
Kaiser Permanente 8th Annual National Surgical Symposium
Makena, HI
- 2012 Moderator, “Cancer Clinical Care and Outcomes.”
2012 Annual Meeting of the Pancreas Club
San Diego, CA
- 2012 “Minimally-Invasive Surgery for Pancreatic Cancer: Heresy or Destiny?”
PancreasFest 2012
Pittsburgh, PA
- 2012 “Laparoscopic Pancreatectomy: Fad or Future?”
98th Annual Clinical Congress, American College of Surgeons
Chicago, IL
- 2012 “Perioperative Management of Minimally-Invasive Pancreatic Surgery.”
2012 Annual Meeting of the American Society of Anesthesiologists
Washington, DC
- 2012 “Innovative Design Strategies for Neoadjuvant Treatment of Pancreatic Cancer”
2012 Annual Meeting of the Pancreatic Cancer Research Team
Scottsdale AZ
- 2013 “What is the Committee on Surgical Innovation?”
2013 Annual Meeting of the Americas HepatoPancreatoBiliary Association
Miami, FL
- 2013 “Evidence Based Medicine Summary for the MIS Surgeon – Distal and Proximal
Pancreatectomy”
2013 Annual Meeting of the Society of Advanced gastrointestinal and Endoscopic
Surgeons (SAGES)
Baltimore, MD
- 2013 “What Every GI Surgeon Needs to Know about GIST”
2013 Annual Meeting of the Society of Advanced gastrointestinal and Endoscopic
Surgeons (SAGES)

Baltimore, MD

International

No presentations below were sponsored by outside entities

- 2010 “Robot-Assisted Pancreaticoduodenectomy: The Next Frontier?”
9th World Congress of the International HepatoPancreatoBiliary Association
Buenos Aires, Argentina
- 2010 “Personalized Medicine for Pancreatic Cancer”
Eastern Hepatobiliary Surgery Hospital
Shanghai, China
- 2012 “Outcomes of 100 Robotic-Assisted Pancreatoduodenectomies: Lessons Learned.”
First International Congress on Minimally-Invasive and Robotic Surgery
Sao Paulo, Brasil
- 2012 “Outcomes of 100 Robotic-Assisted Pancreatoduodenectomies: Lessons Learned.”
McGill University School of Medicine
Montreal, Canada
- 2013 “Innovation and the Future of Surgery for Pancreatic Cancer”
European Society for Surgical Research, May 2013
Istanbul, Turkey

Report of Clinical Activities and Innovations

Current Licensure and Certification

- 1996- Pennsylvania Medical License
- 2008- Recertified by American Board of Surgery, Dec 2008
- 2012- Massachusetts Medical License

Practice Activities

My clinical practice and translational research activities are dedicated primarily to the care of complex pancreatic diseases, particularly pancreatic cancer and chronic pancreatitis. I have advanced surgical training and am a leader in complex, advanced robotic and minimally-invasive surgical oncology including pancreatic autoislet transplantation. All of my clinical activities are performed in the context of multidisciplinary treatment at an NCI-designated Comprehensive Cancer Center focused on clinical trials, efforts which I established and co-directed at the UPMC Cancer Centers since 2006 and have transplanted to Beth Israel Deaconess Medical Center following my recruitment. We have established a business plan and gain-sharing model to incentivize teamwork and outreach to the New England area to facilitate interdisciplinary cooperation in order to provide state-of-the-art patient-centered treatment to patients with non-transplant diseases of the pancreas and liver. In its final form, this new paradigm will incorporate participation in research registries, clinical trials, and biospecimen repositories to combat this dreadful disease while maintaining a focus on outcomes, quality, and cost-savings.

Ambulatory Care	BIDMC	Pancreas and foregut surgical oncology	One afternoon session (5 hours) per week
Surgery	BIDMC	Advanced/minimally-invasive pancreatic and foregut surgery	2-3 days per week
Inpatient Attending	BIDMC	Pancreas and foregut surgical oncology	Every weekday 24x5 and one weekend per month

Clinical Innovations

University of Pittsburgh Cancer Institute

Pancreatic Cancer Specialty Care Center

Pancreatic Cancer Clinical Pathway

Weekly Pancreas Multidisciplinary Conference

Pancreas Cancer QA/QI Database

Description

Co-conceived and established the first multidisciplinary clinic for cancer at UPMC Cancer Centers and the Hillman Cancer Center.

Evidence-based clinical guidance to determine best therapy for pancreatic cancer by stage. The utility is updated quarterly by an expert committee of surgical, medical and radiation oncologists and disseminated internationally across the web through ViaOncology (a proprietary service)

Established and maintained first telecast weekly conference for clinical management as well as quality assurance/improvement within UPMC

Co-conceived and established a mechanism to track 45 highly-validated quality metrics for patients with pancreatic cancer referred to the UPMC Cancer Centers in order to improve cancer outcomes and the timeliness of treatment

Beth Israel Deaconess Medical Ctr

Pancreatic Cancer Specialty Care Center

Pancreatic Cancer Clinical Pathway

Description

Established business plan and clinical team to offer multidisciplinary treatment for pancreatic cancer at the BIDMC Cancer Center.

Evidence-based clinical guidance to determine best therapy for pancreatic cancer by stage. The utility is updated quarterly by an expert committee of surgical, medical and radiation oncologists.

Report of Education of Patients and Service to the Community

No activities below were sponsored by outside entities

Activities

2007	“The Future is Now! Pancreatic Cancer in 2007” Sadie Magowitz Annual TGen/PanCAN Golf Fundraiser	Invited Speaker Westin Kierland Resort; Scottsdale, AZ
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2008	“Pancreatic Cancer: Reason for Hope” Pancreatic Cancer Action Network National Symposium	Invited Speaker Scottsdale, AZ
2009	“Pancreatic Cancer: The Future is Now” 9 th Annual Hedge Fund Industry Awards	Invited Speaker New York Stock Exchange New York, NY
2009	“Nothing Succeeds Like Success.” John F. Fortney Charitable Pancreatic Cancer Research Group	Invited Speaker Greensburg Country Club Greensburg, PA
2009	“Pancreatic Cancer: Reason to Hope” Gilda’s Club	Invited Speaker Pittsburgh, PA
2010	“Innovations in Pancreatic Cancer: Reason to Hope.” Pancreatic Cancer Action Network National Symposium	Invited Speaker Pittsburgh, PA
2012	PurpleStride Boston Annual Pancreatic Cancer Action Network Walk and Fundraiser	Invited Speaker Boston, MA
2012	“Innovations in Pancreatic Cancer: Reason to Hope.” Pancreatic Cancer Action Network National Symposium	Invited Speaker Boston, MA

Educational Material for Patients and the Lay Community

2006	Multidisciplinary clinic brochure	Co-author	Pancreatic Cancer Specialty Care Center
2010	UPMC Pancreatic Cancer Center www.upmc.com	Co-author	Detailed multimedia website for patient and lay community education about pancreatic diseases
2012	Institute for Hepatobiliary and Pancreatic Surgery www.bidmc.org	Author	Detailed multimedia website for faculty, residents, and lay community education about services for and treatment of liver and pancreatic diseases at BIDMC

Books, monographs, articles and presentations in other media

2006	“Interview with Marilyn Brooks: Local Pancreatic Cancer Patient Doing Well After Treatment”	Locally televised presentation on Thanksgiving Day 2006 celebrating the life of a Pittsburgh mother with pancreatic cancer	WTAE-TV channel 4 news Nov 23, 2006
2008	“Drugs show success in the treatment of several cancer”	Newspaper article discussing pancreatic cancer research presented at the 2008 ASCO Cancer Symposium	Pittsburgh Post Gazette, June 4, 2008
2008	“Prognosis excellent for	Newspaper article: the	Paul Paterra, Tribune Review,

	Export Pancreatic Cancer Patient”	experiences of a patient receiving novel therapy for pancreatic cancer	April 14, 2008
2008	“Test my blood. I’m not a drinker.”	Interview about pancreatic cancer research at University of Pittsburgh	PittMed Magazine; Derek Wahila, Summer 2008
2008	“Courageous Woman Afflicted by Pancreatic Cancer Urges Research Funding”	Newspaper interview	Dave Zuchowski, Uniontown Herald Standard, October 27, 2008
	“New preoperative treatment combination safe for pancreatic cancer patients undergoing surgery”	Article and interview	Media Relations www.upmc.com/mediarelations
2009	“The power of many”	Interview	Amyjo McDade, April 2009.
2010	“UPMC Surgical Oncologist presents outcomes of robotic Whipple surgery at international pancreas symposium.”	Magazine article describing pioneering efforts in minimally-invasive pancreatectomy and international recognition of the UPMC program	Cancer Insights, Vol4 (1):2010
2010	“Innovation at UPMC: New Hope for Pancreatic Cancer Patients.”	Multimedia article	UPMC Today Magazine www.upmc.com
2010	“Robot-assisted surgery appears safe for complicated pancreatic procedures”	Article and interview	Media Relations www.upmc.com/mediarelations
2011	“Pancreatic resection achieved robotically.”	Front page feature describing pioneering efforts in minimally-invasive pancreatic surgery in the American College of Surgeons newspaper	Christine Kilgore, Surgery News, Vol7(5): pages 1,24; May 2011
2011	UPMC onTopic “Robotic Whipple Surgery”	Multimedia video interview	www.upmc.com
2011	“Godwinks: A Story of Faith, Family, Community and Love”	Interview	Hometown Magazine, Sept 2011

Recognition

1993	Commendation from the Secretary of Veteran’s Affairs “In grateful recognition of truly heroic	Jesse Brown, Secretary Department of Veteran’s Affairs	Evacuation of the Sepulveda VA Medical Center
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deeds in risking your life to care for veteran patients and to secure VA property in the immediate aftermath of the 1994 Northridge Earthquake”

1993 The American Legion Valor Medal Department of Veteran’s Affairs Evacuation of the Sepulveda VA Medical Center

Report of Scholarship

Peer reviewed publications in print or other media

Research Publications

1. **Moser AJ**, Abedin MZ, Abedin ZR, Roslyn JJ. Ca²⁺-Calmodulin regulates basal gallbladder absorption. *Surgery* 1993 Aug;114(2):300-7.PMID:8418570
2. **Moser AJ**, Abedin MZ, Roslyn JJ. Increased biliary protein precedes gallstone formation. *Dig Dis Sci.* 1994 Jun;39(6):1313-20.PMID:8200266
3. Hines OJ, Bilchik AJ, Zinner MJ, Skotzko MJ, **Moser AJ**, McFadden DW, Ashley SA. Adaptation of the Na⁺/glucose cotransporter following intestinal resection. *J Surg Res.* 1994 Jul;57(1):22-7.PMID:8041142
4. Cates JA, Abedin MZ, Saunders-Kirkwood KD, **Moser AJ**, Giurgiu DI, Roslyn JJ. Protein kinase C regulates prairie dog gallbladder ion transport. *Surgery* 1995 Feb;117(2):206-12.PMID:7846627
5. **Moser AJ**, Abedin MZ, Giurgiu DIN, Roslyn JJ. Octreotide promotes gallbladder absorption in prairie dogs: a potential cause of gallstones. *Gastroenterology.* 1995 May;108(5):1547-55.PMID:7729647
6. **Moser AJ**, Abedin MZ, Cates JA, Giurgiu DIN, Karam JA, Roslyn JJ. Converting gallbladder absorption to secretion: the role of intracellular calcium. *Surgery.* 1996 Apr; 119(4):410-6.PMID:8644006
7. Whang EE, Hines OJ, Reeve JR Jr., Grandt D, **Moser AJ**, Bilchik AJ, Zinner MJ, McFadden DW, Ashley SW. Antisecretory mechanisms of peptide YY in rat distal colon. *Dig Dis Sci.* 1997 42(6): 1121-7.PMID:9201071
8. **Moser AJ**, Weber PA, Abedin ZR, Roslyn JJ, Abedin MZ. Elevated biliary calmodulin during gallstone formation: the role of bile acids. *Dig Dis Sci.* 1998 Jan;43(1):170-7.PMID:9508521
9. **Moser AJ**, Giurgiu DIN, Morgenstern KE, Abedin ZR, Roslyn JJ, Abedin MZ. Octreotide stimulates Ca²⁺ secretion by the gallbladder: a risk factor for gallstones. *Surgery.* 1999 May;125(5):509-13. PMID:10330939
10. Sun L, Adebajo OA, Moonga BS, Corisdeo S, Anandathreetharada HK, Biswas G, Arakawa T, Hareda Y, Joval A, Sodam B, Bevis PJR, **Moser AJ**, Lai FA, Epstein S, Troen BR, Kumegawa M, Zaidi M. CD38/ADP-ribosyl cyclase: A new role in the regulation of osteoclastic bone resorption. *J Cell Biol.* 1999 Sep 6;146(5):1161-72. Erratum in: *J Cell Biol* 1999 Sep 20;146(6):following 1399. PMID:10477767
11. **Moser AJ**, Giurgiu DI, Morgenstern KE, Abedin ZR, Roslyn JJ, Abedin MZ. Calmodulin regulation of gallbladder ion transport becomes dysfunctional during gallstone formation in prairie dogs. *Dig Dis Sci.* 2000 Jul;45(7):1422-30. PMID:10961724

12. **Moser AJ**, Morgenstern KE, Abedin ZR, Abedin MZ, Roslyn JJ. Endogenous prostaglandins modulate chloride secretion in prairie dog gallbladder. *J Lab Clin Med.* 2000 Jan;135(1):82-8. PMID:10638698
13. Cheung O, Kandil H, **Moser AJ**, Swalsky PA, Sasatomi E, Finkelstein SD. Primary duodenal carcinoma showing divergent growth patterns as determined by microdissection-based mutational genotyping. *Arch Pathol Lab Med.* 2003 Jul;127(7) 861-4. PMID: 12823043. PMID:12823043
14. Ramanathan RK, Lee KM, McKolanis J, Hitbold E, Schraut W, **Moser AJ**, Warnick E, Whiteside T, Osborne J, Kim H, Day R, Troetschel M, Finn OJ: Phase 1 study of a MUC1 vaccine composed of different doses of MUC1 peptide with SB-AS2 adjuvant in resected and locally advanced pancreatic cancer. *Cancer Immunol Immunother.* 2005 Mar; 54(3):254-64. Epub 2004 Sept 14. PMID:15372205. PMID:15372205
15. Klahid A, McGrath KM, Zahid M, Wilson M, Brody D, Swalsky, P, **Moser AJ**, Lee KK, Slivka A, Whitcomb DC, Finkelstein S.: The role of pancreatic cyst fluid molecular analysis in predicting cyst pathology. *Clin Gastroenterol Hepatol.* 2005 Oct; 3(10):967-73. PMID:16234041
16. Zeh, HJ, Winikoff S, Landsitl DP, Gorolik E, Marrangomi AM, Lee K, **Moser AJ**, Bartlett D, Lotze MT, Siegfried JM, Whitcomb D, Papachristou G, Slivka A, Bigbee WL, Lokshin AE: Multianalyte profiling of serum cytokines for detection of pancreatic cancer. *Cancer Biomark.* 2005;1(6):259-69. Erratum in: *Cancer Biomark.* 2006; 2(3-4):175. PMID:17192050
17. Tublin ME, **Moser AJ**, Marsh JW, Gamblin TC. Biliary inflammatory pseudotumor: imaging features in seven patients. *AJR Am J Roentgenol.* 2007 Jan; 188(1):W44-8. PMID:17179326
18. **Moser AJ**, Gangopadhyay A, Bradbury NA, Peters KW, Frizzell RA, Bridges RJ. Electrogenic bicarbonate secretion by prairie dog gallbladder. *Am J Physiol Gastrointest Liver Physiol.* 2007 Jun;292(6):G1683-94. Epub 2007 Mar 15. PMID:17363467
19. Jani N, Khalid A, Kaushik N, Brody D, Bauer K, Schoedel K, Otori NP, **Moser AJ**, Lee K, McGrath K. EUS-guided FNA diagnosis of pancreatic endocrine tumors: new trends identified. *Gastrointest Endosc.* 2008 Jan; 67(1):44-50. PMID:18155424
20. Raina A, Krasinskas AM, Greer JB, Lamb J, Fink E, **Moser AJ**, Zeh HJ 3rd, Slivka A, Whitcomb DC. Serum immunoglobulin IgG4 levels in pancreatic cancer: elevations not associated with autoimmune pancreatitis. *Arch Pathol Lab Med.* 2008 Jan;132(1):48-53. PMID:18181673
21. Rund CR, **Moser AJ**, Lee KK, Zeh HJ, Teot LA, Dacic S, Krasinskas AM. Array comparative genomic hybridization analysis of solid pseudopapillary neoplasms of the pancreas. *Mod Pathol* 2008 May; 21(5): 559-64. Epub 2008 Feb 1. PMID:18246043
22. Uppal H, Zhai Y, Gangopadhyay A, Khadem S, Ren S, **Moser JA**, Xie W. Activation of liver X receptor sensitizes mice to gallbladder cholesterol crystallization. *Hepatology* 2008 Apr; 47(4): 1331-42. PMID:18318438
23. Franko J, Krasinskas AM, Nikiforova MN, Zarnescu NO, Lee KKW, Hughes SJ, Bartlett DL, Zeh III, HJ, **Moser AJ**. Loss of heterozygosity predicts poor survival after resection of pancreatic adenocarcinoma. *Journal of Gastrointest Surg* 2008 Oct; 12(10): 1664-72, Epub 2008 Aug 2 PMID:18677542
24. Gamblin TC, Krasinskas AM, Slivka AS, Tublin ME, Demetris AJ, Shue E, Caro S, Marsh JW, **Moser AJ**. Fibroinflammatory biliary stricture: a rare bile duct lesion masquerading as cholangiocarcinoma. *Journal of Gastrointest Surg*, Epub 2008 Dec 5. PMID:19057967
25. Lepisto AJ, **Moser AJ**, Zeh H, Lee K, Bartlett D, McKolanis JR, Geller BA, Schmotzer A, Potter DP, Whiteside T, Finn OJ, Ramanathan RK. A phase I/II study of a MUC1 peptide pulsed autologous dendritic cell vaccine as adjuvant therapy in patients with resected pancreatic and biliary tumors.

- Cancer Ther. 2008;6(B):955-964.PMID:19129927
26. Korytkowski M, Salata R, Glory Koerbel G, Faith Selzer F, Karlioglu E, Idriss A, DiNardo M, Lee K, **Moser AJ**, Toledo FGS. Insulin therapy and glycemic control in hospitalized patients with diabetes during enteral nutrition therapy: a randomized controlled clinical trial. *Diabetes Care*, 2009 Apr; 32(4): 594-6.PMID:19336639
 27. Bao P, Potter D, Young J, Eisenberg D, Lenzner D, Lee K, Zeh H, Lee III KK, Hughes SJ, Sanders MK, Young JL, **Moser AJ**. Validation of a prediction rule to maximize curative (R0) resection of early-stage pancreatic adenocarcinoma. *HPB* 2009 Nov; 11(7): 606-611.PMID:20495714
 28. Franko J, Feng W, Yip L, Genovese E, **Moser AJ**. Non-functional neuroendocrine carcinoma of the pancreas: incidence, tumor biology, and outcomes in 2,158 patients. *J Gastrointest Surg*. 2009 Dec 9. PMID:19997980
 29. Rwigema JC, Parikh SD, Heron DE, Howell M, Zeh H, **Moser AJ**, Bahary N, Quinn A, Burton SA. Stereotactic body radiotherapy in the treatment of advanced adenocarcinoma of the pancreas. *Am J Clin Oncol*. 2010 Mar 19.PMID:20308870
 30. Sanders MK, **Moser AJ**, Khalid A, Fasanella KE, Zeh HJ, Burton S, McGrath K. EUS-guided fiducial placement for stereotactic body radiotherapy in locally advanced and recurrent pancreatic cancer. *Gastrointest Endosc*. 2010 Mar 31.PMID:20362284
 31. Raval JS, Zeh HJ, **Moser AJ**, Lee KK, Sanders MK, Navina S, Kuan SF, Krasinskas AM. Pancreatic lymphoepithelial cysts express CEA and can contain mucous cells: potential pitfalls in the preoperative diagnosis. *Mod Pathol*. 2010 Aug 27.PMID:20802468
 32. Demeure MJ, Sielaff T, Koep L, Prinz R, **Moser AJ**, Zeh H 3rd, Hostetter G, Black J, Decker A, Rosewell S, Bussey KJ, Von Hoff D. Multi-institutional tumor banking: lessons learned from a pancreatic cancer biospecimen repository. *Pancreas* 2010 Oct;39(7):949-54.PMID:20861694
 33. Zureikat AH, Nguyen KT, Bartlett DL, Zeh HJ III*, **Moser AJ***. Robotic-assisted major pancreatic resection and reconstruction. *Arch Surg* 2011 Mar; 146(3): 256-61. Epub 2010 Nov 15.PMID:21079111 (*equal contribution).
 34. Bao PQ, Ramanathan RK, Krasinkas A, Bahary N, Lembersky BC, Bartlett DL, Hughes SJ, Lee KK, **Moser AJ***, Zeh HJ* 3rd. Phase II study of gemcitabine and erlotinib as adjuvant therapy for patients with resected pancreatic cancer. *Ann Surg Oncol* 2011 Apr; 18(4): 1122-9. Epub 2010 Nov 23.PMID:21751362 (*co-corresponding authors).
 35. Yue T, Partyka K, Maupin KA, Hurley M, Andrews P, Kaul K, **Moser AJ**, Zeh H, Brand RE, Haab BB. Identification of blood-protein carriers of the CA 19-9 antigen and characterization of prevalence in pancreatic diseases. *Proteomics* 2011 Sep;(18):3665-74.doi:10.1002/pmic.201000827. Epub 2011 Aug 2. PMID:21751262
 36. Zeh HJ, Zureikat AH, Secrest A, Dauoudi M, Bartlett D, **Moser AJ**. Outcomes after robot-assisted pancreaticoduodenectomy for periampullary lesions. *Ann Surg Oncol*. 2011 Sept 24 (Epub ahead of print) PMID:21947670
 37. Zeh HJ 3rd, Bartlett DL, **Moser AJ**. Robotic-assisted major pancreatic resection. *Adv Surg*, 2011;45:323-40. Review. PMID: 21954697 (PubMed – indexed for Medline)
 38. Yue T, Maupin KA, Fallon B, Li L, Partyka K, Anerson MA, Brenner DE, Kaul K, Zeh H, **Moser AJ**, Simeone DM, Feng Z, Brand RE, Haab BB. Enhanced discrimination of malignant from benign pancreatic disease by measuring the CA 19-9 antigen on specific protein carriers. *PLoS One* 2011; 6(12): e29180. Epub 2011 Dec 29.
 39. Baumgartner JM, Krasinskas A, Dauoadi M, Zureikat A, Marsh JW, Lee KKL, Bartlett DL, **Moser AJ***, Zeh HJ III*. Distal pancreatectomy with en bloc celiac axis resection for Locally Advanced

- Pancreatic Adenocarcinoma Following Neoadjuvant Therapy. *J Gastrointest Surg* 2012 Mar 8 [Epub ahead of print] (*co-corresponding authors).
40. Bottino R, Bertera S, Grupillo M, Melvin PR, Humar A, Mazariegos G, **Moser AJ**, Walsh RM, Fung J, Gelrud A, Slivka A, Soltys K, Wijkstrom M, Trucco M. Isolation of human islets for autologous islet transplantation in children and adolescents with chronic pancreatitis. *J Transplantation* 2012: 2012:642787.
 41. Daouadi M, Zureikat AH, Zenati MS, Choudry H, Tsung A, Bartlett DL, Hughes SJ, Lee KK, **Moser AJ***, Zeh HJ*. Robot-assisted minimally-invasive distal pancreatectomy is superior to the laparoscopic technique. *Ann Surg.* 2012 Aug 3. [Epub ahead of print] (*co-corresponding authors).
 42. Abood GJ, Can FC, Daouadi M, Huss HT, Steve JY, Ramalingam L, Stang M, Bartlett DL, Zeh III HJ, **Moser AJ**. Robotic-assisted minimally-invasive central pancreatectomy: technique and outcomes. *J Gastrointest Surg.* 2013 Jan 17. [Epub ahead of print]
 43. Magge D, Gooding W, Choudry H, Steve J, Steel J, Zureikat A, Krasinskas A, Daouadi M, Lee KKW, Hughes SJ, Zeh III HJ*, **Moser AJ***. Comparative effectiveness of minimally invasive and open distal pancreatectomy for ductal adenocarcinoma. *Arch Surg.* 2013 Feb 20. [Epub ahead of print] (*equal contribution).

Other Peer-Reviewed Publications

1. Tarry W, **Moser AJ**, Makhoul R. Peripheral arterial thrombosis in the nephrotic syndrome. *Surgery.* 1993 Sep; 114(3):618-23. Review. PMID:8367821
2. Schneider JJ, Shroff S, **Moser AJ**. Palliative segmental duodenectomy for bleeding, erosive endometrial cancer. *Gynecol Oncol.* 2005 Apr; 97(1):246-8. PMID:15790468
3. Rastogi A, Slivka A, **Moser AJ**, Wald A. Controversies concerning pathophysiology and management of acalculous biliary type abdominal pain. *Dig Dis Sci.* 2005 Aug; 50(8):1391-401. PMID 16110827
4. D'Alessio MJ, Abbas R, Martin J, **Moser AJ**. Surgical management of intraluminal duodenal diverticulum and coexisting anomalies. *J Am Coll Surg.* 2005 Jul; 201(1):143-8. PMID:15978457
5. Kaushik N, **Moser AJ**, Slivka A, Chandrupatla S, Martin J. Gastric outlet obstruction caused by gallstones: case report and review of literature. *Dig Dis Sci.* 2005 Mar; 50(3):470-3. PMID:15810628
6. Meier CB, **Moser AJ**, Sanders MK. Fatal venous air embolism during upper endoscopy in a patient with percutaneous transhepatic cholangiography (PTC) catheter. *Endoscopy.* 2010; 42 Suppl 2:E111. PMID:20306397
7. Nguyen KT, Zureikat AL, Bartlett DL, **Moser AJ***, Zeh HJ III*. Technical aspects of robotic-assisted pancreaticoduodenectomy. *J Gastrointest Surg* 2011 May; 15(5) 870-5. Epub 2010 Dec 14. PMID:21512900 (*co-corresponding authors).
8. **Moser AJ**. Personalizing surgical risk: "To be or not to be" should not be the question." *Arch Surg* 2011 Nov; 146(11): 1284-5.

Proceedings of Meetings or other non peer-reviewed research publication

1. Hines OJ, Bilchik AJ, Skotzko MJ, Zinner MJ, McFadden DW, **Moser AJ**, Berger JJ, Ashley SW. Translational control of meal-induced jejunal absorption. *Surg Forum* 44: 133-4, 1993
2. Weber PA, Abedin ZR, Smith PR, Roslyn JJ, Abedin MZ, **Moser AJ**. Plasma membrane Ca²⁺-

- ATPase (PMCA-1b) mediates active Ca^{2+} transport by gallbladder epithelium. *Surg Forum* 48: 201-4, 1997.
3. **Moser AJ**, Morgenstern KE, Abedin ZR, Smith P, Abedin MZ, Roslyn JJ. Expression of the gallbladder $\text{Na}^+/\text{Ca}^{2+}$ exchanger (NCX-1) is upregulated prior to gallstone formation in humans. *Surg Forum* 49: 174-6, 1998.
 4. Whitcomb DC, Khalid A, Slivka A, McGrath K, **Moser AJ**, Bell RH Jr.: Conference report for APA postgraduate course: Clinical controversies in pancreatobiliary disease: *Pancreas* 2005 Oct; 31(3): 218-20. PMID:16163051

Reviews, Chapters, Monographs and Editorials

1. **Moser AJ**, Abedin MZ, Roslyn JJ. The pathogenesis of gallstone formation. *Adv Surg.* 1993;26:357-86.
2. **Moser AJ** and Roslyn JJ. Enterocutaneous Fistula. In: Cameron JL, ed. *Current Surgical Therapy*. 6th ed. St. Louis: Mosby, 1998: 155-9.
3. **Moser AJ**, Parmet J. Anesthetic considerations in the morbidly obese patient. In: Corson JD, Williamson RCN, eds. *Surgery*. London: Mosby International, 2000, 1; 21.11-21.12.
4. Morgenstern KE, Pollard EF, **Moser AJ**. Wound care issues in paraplegic patients. In: Corson JD, Williamson RCN, eds. *Surgery*. London: Mosby International, 2000, 1; 21.8-21.9.
5. Morgenstern KE, **Moser AJ**. Symptomatic cholelithiasis: laparoscopic vs. open procedures. In: Non-Corson JD, Williamson RCN, eds. *Surgery*. London: Mosby International, 2000, 1; 21.12-21.14.
6. **Moser AJ**, Roslyn JJ. The gallbladder and biliary tree. In: Corson JD, Williamson RCN, eds. *Surgery*. London: Mosby International, 2000, 3; 13.1-13.26
7. **Moser AJ**. Benign biliary strictures. *Curr Treat Options Gastroenterol.* 2001 Oct;4(5);377-387.PMID:11560785
8. Hughes SJ and **Moser AJ**. Open jejunostomy. *Operative techniques in General Surgery* 3(4): 283-90, 2001.
9. Martin JA, **Moser AJ**. Ampullary carcinoma: Epidemiology, clinical manifestations, diagnosis, and staging. *UptoDate* Jan 2012.
10. Maheshwari V, **Moser AJ**: Current management of locally-advanced pancreas cancer. *Nat Clin Pract Gastroenterol Hepatol.* 2005 Aug;2(8):356-64. PMID:17179326
11. Jani N, **Moser AJ**, Khalid A. Pancreatic endocrine tumors. *Gastroenterol Clin North Am:* 2007 Jun;36(2):431-9. Franko JD, Greer J, Moran C, Khalid A, **Moser AJ**. Multimodality therapy for pancreatic cancer. *Gastroenterol Clin North Am.* 2007 Jun;36(2):391-411.PMID:17533088
12. Franko JD, Greer J, Moran C, Khalid A, **Moser AJ**. Multimodality therapy for pancreatic cancer. *Gastroenterol Clin North Am.* 2007 Jun;36(2):391-411. PMID:17533086
13. Watson A, **Moser AJ**. Gastrointestinal Bleeding. In: Peitzman AB, Rhodes M, Schwab CW, et al. *The Trauma Manual: Trauma and Acute Surgery*. 3rd Edition. Philadelphia: Lippincott Williams & Wilkins 2008.
14. Zarnescu NO, **Moser AJ**. Distal pancreatectomy for extrapancreatic disease. In Barbu ST, Andren-Sandberg A. *Pancreatic diseases in 2008: What are the burning issues?* Cluj-Napoca: Casa Cartii de Stiinta 2008.
15. Zarnescu NZ, Nasr IW, Lora M, **Moser AJ**. "Pancreatic Cancer." In Bartlett DL, Thirunavukarasu P, Neal MD. *Surgical Oncology: Fundamentals, Evidence-based Approaches and New Technology*.

Jaypee Brothers Medical Publishers, New Delhi 2011, pp. 491-508.

16. Lora M, Nasr IW, Zarnescu NZ, **Moser AJ**. “Bile Duct Cancer.” In Bartlett DL, Thirunavukarasu P, Neal MD. *Surgical Oncology: Fundamentals, Evidence-based Approaches and New Technology*. Jaypee Brothers Medical Publishers, New Delhi 2011, pp. 463-474.
17. Lora M, Zarnescu NZ, **Moser AJ**. “Gallbladder Cancer.” In Bartlett DL, Thirunavukarasu P, Neal MD. *Surgical Oncology: Fundamentals, Evidence-based Approaches and New Technology*. Jaypee Brothers Medical Publishers, New Delhi 2011, pp. 453-462.
18. Zeh III HJ, Bartlett D L, **Moser AJ**, ”Robotic-Assisted Major Pancreatic Resection”, *Advances in Surgery*. Elsevier Inc 2011, pp. 323-340. PMID:21954697
19. Moser AJ and Zeh III HJ, “Robotic Pancreatoduodenectomy,” *Mastery of Surgery*, 6th Edition. Lippincott Williams and Wilkins 2012, chapter 133A.

Clinical Guidelines and Reports

University of Pittsburgh Cancer Institute Pancreatic Cancer Clinical Pathway	Description Evidence-based clinical guidance to determine best therapy for pancreatic cancer by stage. The utility is updated quarterly by an expert committee of surgical, medical and radiation oncologists and disseminated internationally across the web through ViaOncology (a proprietary service)
BIDMC Credentialing Guidelines for HPB Surgery	Description Established training and proficiency criteria for obtaining surgical credentials to perform non-transplant surgical procedures on the liver and pancreas at BIDMC
Credentialing Guidelines for Advanced Minimally-Invasive HPB Surgery	Established training and proficiency criteria for obtaining surgical credentials to perform advanced minimally-invasive (laparoscopic and robotic) surgery of the liver and pancreas at BIDMC
Pancreatic Cancer Clinical Pathway	Evidence-based clinical guidance to determine best therapy for pancreatic cancer by stage. The utility is updated quarterly by an expert committee of surgical, medical and radiation oncologists within BIDMC.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings (2010-present)

1. Toney LK, Whitcomb DC, **Moser AJ**. Computer Simulation of Gallbladder Salt and Water Transport under Physiological Conditions. *Poster of Distinction*, Digestive Disease Week 2010, Washington DC, May 2010.
2. **Moser AJ**, Zeh III HJ, Kendrick ML, Chalikonda S, Boggi U, Daouadi M, Zenati MS, Zureikat AH, Sclabas G, Vistoli F, Walsh RM, Bartlett DL. Robotic-assisted minimally-invasive

- pancreaticoduodenectomy: multicenter analysis of 103 cases. *Oral Presentation*, 45th Annual Pancreas Club Meeting, Chicago, IL, May 2011.
3. Daouadi M, Zureikat AH, Zenati MS, Chalikonda S, Bartlett DL, Zeh III HJ, **Moser AJ**. Technical refinement of robot-assisted pancreaticoduodenectomy: improving outcomes at a single institution. *Oral Presentation*, 2012 AHPBA Annual Conference, Miami FL, March 2012.
 4. Van Buren II G, Ramanathan RK, Krasinskas AM, Smith RP, Abood GJ, Shuai Y, Potter DM, Bahary N, Lembersky BC, Zureikat AH, Bartlett DL, Zeh III HJ, **Moser AJ**. Phase II trial of fixed-dose rate gemcitabine, bevacizumab, and concurrent 30 Gy radiotherapy as preoperative treatment for potentially resectable pancreatic adenocarcinoma. Poster Presentation, *ASCO Conquer Cancer Foundation Merit Award*, 2012 Gastrointestinal Cancers Symposium, San Francisco, CA, Jan 2012.
 5. Van Buren II G, Zeh III HJ, Krasinskas AM, Gooding WE, Steve JY, Lee KKW, Bartlett DL, **Moser AJ**, Zureikat AH. Margin distance is not an independent predictor of survival after R0 resection for pancreatic adenocarcinoma. Poster Presentation, 65th Annual Cancer Symposium of the Society of Surgical Oncology, Orlando FL, February 2012.
 6. Van Buren II G, Ramanathan RK, Krasinskas AM, Smith RP, Abood GJ, Shuai Y, Potter DM, Bahary N, Lembersky BC, Zureikat AH, Bartlett DL, Zeh III HJ, **Moser AJ**. Phase II trial of fixed-dose rate gemcitabine, bevacizumab, and concurrent 30 Gy radiotherapy as preoperative treatment for potentially resectable pancreatic adenocarcinoma. Long oral Presentation, 46th Annual Pancreas Club Meeting, San Diego, CA May 2012.
 7. Van Buren II G, Zeh III HJ, Krasinskas AM, Gooding WE, Steve JY, Lee KKW, Bartlett DL, **Moser AJ**, Zureikat AH. Margin distance is not an independent predictor of survival after R0 resection for pancreatic adenocarcinoma. Short oral Presentation, 46th Annual Pancreas Club Meeting, San Diego, CA May 2012.