

CURRICULUM VITAE

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Name: **Carlos F. Fernández-del Castillo**

Home Address: 94 Central Street
Auburndale, MA 02466

Office Address: Massachusetts General Hospital
15 Parkman Street, WAC 460
Boston, Massachusetts 02114

Date of Birth: January 11, 1959

Place of Birth: Mexico City, Mexico

EDUCATION:

1982 Doctor of Medicine, National Autonomous University of Mexico,
Mexico City.

2009 Master of Arts (Hon), Harvard University, Cambridge, MA

POSTDOCTORAL TRAINING:

Residencies

1983-1985 Resident in Internal Medicine, Instituto Nacional de la Nutrición, Mexico
City.

1985-1988 Resident in General Surgery, Instituto Nacional de la Nutrición, Mexico
City.

1988-1989 Chief Resident in Surgery, Instituto Nacional de la Nutrición, Mexico
City.

Research Fellowships

1989-1991 Research Fellow in Surgery, Massachusetts General Hospital, Laboratory
of Dr. Andrew L. Warshaw

LICENSURE AND CERTIFICATION:

1982 Visa Qualifying Examination
1982 Mexican License Registration

- 1988 Mexican Board of Surgery
- 1992 Federation Licensure Examination (FLEX)
- 1992 Massachusetts License Registration
- 2005 NPI #1225029788

Academic Appointments:

- 1989-1991 Research Fellow in Surgery, Harvard Medical School
- 1991-1993 Instructor in Surgery, Harvard Medical School
- 1993-1998 Assistant Professor of Surgery, Harvard Medical School
- 1998-2009 Associate Professor of Surgery, Harvard Medical School
- 2009- Professor of Surgery, Harvard Medical School
- 2016- Jorge and Darlene Perez Endowed Chair in Surgery

Hospital Appointments:

- 1991-1993 Assistant in Surgery, Massachusetts General Hospital
- 1993-1996 Assistant Surgeon, Massachusetts General Hospital
- 1997-2004 Associate Visiting Surgeon, Massachusetts General Hospital
- 2004- Visiting Surgeon, Massachusetts General Hospital
- 2005- Co-director, Massachusetts General Hospital GI Cancer Center
- 2006- Director, Pancreas Surgery Program, Massachusetts General Hospital

Hospital Committees:

- 2000 Member, BED Committee, Mass General Hospital
- 2001-2003 Member, MGPO Physician Nominating Committee
- 2002-2003 Member, Patient Administrative Cycle Enhancement (PACE) Committee
- 2006 Member, Clinical Advisory Board, Responsible Physician Project
- 2006-2008 Member, Advisory Committee, GI Services Growth Planning
- 2011 Member, Ad-hoc Search Committee for General and GU Division Chief, Department of Anesthesia
- 2012 Member, Ad-hoc Search Committee for Chief of the Department of Radiology
- 2012- Member, Board of Trustees, Massachusetts General Hospital Physicians Organization
- 2013 Member, Ad-hoc Search Committee for Chief of Breast Oncology

Other Academic Activities:

- 1994-1996 Member of Admissions Committee, Harvard Medical School (subcommittee IV).

- 1994 Member, Special Review Committee on Minimal Access Surgery, National Cancer Institute.
- 1998-2002 Member of the Liver-Biliary, Pancreas Center Executive Committee Massachusetts General Hospital.
- 1998-2002 Member SSAT Research Committee.
- 1998-2006 Member International Association of Pancreatology Council.
- 2000-2003 Member, Digestive Task Force, American Joint Committee on Cancer.
- 2002-2005 Chairman, SSAT Research Committee
- 2002-2008 Member, Executive Committee, The Pancreas Club, and coordinator of the “How I do it” session..
- 2004-2006 Mentor , Scholars in Clinical Science Program, Harvard Medical School. Mentee: J. Ruben Rodriguez, M.D., for obtention of Masters Degree.
- 2006- Treasurer, International Association of Pancreatology
- 2009- Member, Council of Mentors, Office of Diversity and Community Partnership, Harvard Medical School
- 2011- Member, Board of Directors, IHPBA Kenneth Warren Foundation
- 2011-2012 Member, SSAT Nominating Committee
- 2011-2014 Member, Clinical Practice Guidelines Committee, American Pancreatic Association.
- 2011- Councilor, American Pancreatic Association.
- 2014-2015 Member, Advisory Committee for the Excellence in Mentoring Awards at Harvard Medical School.
- 2015-2016 President, American Pancreatic Association.
- 2015-2016 Member, HMS Inquiry Panel on Scientific Misconduct.
- 2017- Member of the Honorary Fellows Committee, American Surgical Association.
- 2017- Board Member, American Pancreatic Association Foundation

Membership in Professional Societies:

- 1987 Medical Association of the Instituto Nacional de la Nutrición.
- 1988 Mexican Association of Gastroenterology
- 1990 International Association of Pancreatology
- 1991 American Pancreatic Association
- 1992 Association for Academic Surgery
- 1995 Fellow, American College of Surgeons
- 1996 Society for Surgeons of the Alimentary Tract
- 1996 The Boston Surgical Society
- 1996 Argentinian Society of Gastroenterology (Hon.)
- 1997 Surgical Biology Club III
- 1998 Society of Surgical Oncology
- 2000 Society of University Surgeons
- 2000 New England Surgical Society

2006	International Hepato-pancreato-biliary Association
2008	American Gastroenterological Association
2011	American Surgical Association
2012	Academia Mexicana de Cirugía (Hon)
2017	Peruvian Surgical Society (Hon)

Editorial Boards:

1994-2004	Revista "Cirujano General," official journal of the Mexican Association of Surgery
1996-1999	Digestive Health & Nutrition
1999-	Revista de Investigacion Clinica (Mexico)
2005-	Surgery
2005-	Annals of Surgery
2006-	Revista Mexicana de Gastroenterologia
2008-2012	Annals of Surgical Oncology
2014-	Pancreatology

Awards and Honors:

1982	Graduated "Cum Laude" from Medical School
1983	National Surgical Award (Mexico), as a co-worker in the research project "A new possibility in the treatment and rehabilitation of the laryngectomized patient."
1988	Postdoctoral Thesis "Hyperparathyroidism and Pancreatitis: Further evidence of a true association and considerations on its pathophysiology" awarded first prize on the post doctoral thesis annual contest of the Instituto Nacional de la Nutricion.
2000	First recipient of the MGH Surgical Residents Teaching Award for Excellence in Teaching
2004	Partners in Excellence Award, Recognition of Outstanding Performance and Commitment to Excellence. Massachusetts General Hospital.
2007	MGH Surgical Residents Teaching Award for Excellence in Teaching.
2009	A. Clifford Barger Excellence in Mentoring Award, Harvard Medical School.
2009	The "One Hundred" Award Honoree
2011	Charles McCabe Faculty Prize for Excellence in teaching, Harvard Medical School
2011	Principal Clinical Experience Teaching Award, given by third year medical students, Massachusetts General Hospital and HMS.
2011	Brian A. McGovern Award for Clinical Excellence, Massachusetts General Hospital Physicians Organization.
2013	Award for "Best Clinical Instructor in Surgery and Surgical Specialites,

- 2013 by Harvard Medical School Class of 2013
Faculty Teaching Award for Exceptional Commitment to Surgical Resident Education
- 2014 Nominee, Harvard Medical School Charles McCabe Faculty Prize for Excellence in Teaching (Years III and IV)
- 2015 Nominee, Harvard Medical School Charles McCabe Faculty Prize for Excellence in Teaching (Years III and IV)
- 2016 Society for Surgery of the Alimentary Tract “Andrew L. Warshaw Master Educator Award”
- 2016 Nobility in Science Award, National Pancreas Foundation.
- 2017 Distinguished Surgeon Award, by Latinamerican Federation of Surgical Societies.
- 2017 Principal Clinical Experience Faculty Teaching Award, given by third year medical students, Massachusetts General Hospital and HMS.
- 2018 MGH Surgical Residents Excellence in Teaching Award

Part II: Research, Teaching, and Clinical Contributions

The focus of my research was initially in the laboratory and centered in the pathogenesis and treatment of acute pancreatitis. Using measurement of trypsinogen activation peptide (TAP) as a tool, and with animal models and cell experiments, we found in our laboratory that activation of interstitial trypsinogen was the main determinant of progression from mild to severe pancreatitis. I investigated the effects of many drugs, including nafamostat, lexipafant, and activated protein C, in the treatment of experimental pancreatitis, and co-directed studies involving several other compounds, as well as key studies that showed that non-oxidative metabolism of ethanol leads to pancreatic injury.

Later on, I shifted my laboratory research interests into pancreatic cancer, and characterized a rat model using implantation of DMBA, showing the ductal origin of the various precursor lesions, the promoting effect of a high fat diet, and the presence of K-ras mutations in the model. Using a different model of pancreatic cancer metastasis, I demonstrated the role of metalloproteinase inhibition and Troponin I in their prevention. I co-direct the MGH pancreas biobank that harbors > 2,500 specimens with clinical correlation, and am actively involved in research looking for predictors of short and long-term survival.

I have a particular interest in Intraductal Papillary Mucinous Neoplasms, and am involved in clinical, translational, and laboratory research focused on this tumor.

My clinical focus is in GI surgery, with special expertise in pancreas. I have an ongoing interest in clinical outcomes in pancreatic surgery and in the implications and prevention of its complications.

I am constantly involved in the teaching of medical students, residents, and research fellows, and consider that to be my strongest vocation.

Funding Information: The funding for laboratory and clinical research has come from departmental funds, clinical funds, and philanthropy. I have raised over \$1.5 million from patients to fund research activities. I am also currently Co-PI on an RO1 focused on the study of pancreatic cyst fluid; the amount awarded is about \$72,000/year.

Major research interests:

1. Pancreatic cancer
2. Intraductal Papillary Mucinous Neoplasms of the Pancreas
3. Cystic tumors of the pancreas
4. Intraductal papillary mucinous neoplasms of the pancreas

Grant Support:

Co-Principal Investigator, NIH RO1, Biomarker validation for Intraductal Papillary Mucinous Neoplasms, 2013-2018, \$ 72,086/year.

Co-Principal Investigator, NIH PO1, Genetics and Biology of Pancreatic Ductal Adenocarcinoma, 2014-2016, \$ 89,536/year

Teaching Experience:

- 1977-1980 Instructor, Embriology, National Autonomous University of Mexico.
1988-1989 Chief Resident, primary responsibility for teaching of interns and residents.
- 1991 Invited speaker, Postgraduate course in Gastroenterology, Faculty, Instituto Nacional de la Nutrición, Mexico City, Surgical Treatment of Chronic Pancreatitis.
- 1992 Invited speaker, Cancer Management Course, American College of Surgeons, Faculty, Rhode Island Chapter of American College of Surgeons, Pancreatic Carcinoma.
- 1992 Lecturer, Postgraduate Course in Management of Hepatobiliary Disease; Faculty, Harvard Medical School, Treatment of Chronic Pancreatitis.
- 1992 Invited speaker, XVI National Surgical Congress, Mexico, Treatment of Pancreatic Cancer and Laparoscopy in the Staging of GI cancer.
- 1993 Invited speaker, Postgraduate Course in Clinical Pancreatology. Faculty, Universidad Juarez del Estado de Durango. Pathophysiology of Pancreatitis; Cystic Tumors of the Pancreas; Staging in Pancreatic Carcinoma.
- 1993 Invited speaker, Postgraduate Course in Surgery, Instituto de Seguridad Social del Estado de Tabasco Tabasco, Villahermosa, Mexico. Surgical Treatment of Acute Pancreatitis.

- 1993 Invited speaker, Postgraduate Course in Gastroenterology, Faculty, Universidad Autonoma de Nuevo Leon, Monterrey, Mexico. Acute and Chronic Pancreatitis.
- 1993 Lecturer, Postgraduate Course in Hepatobiliary Disease, Faculty, Harvard Medical School. Surgical Management of Biliary Obstruction.
- 1993 Lecturer, Postgraduate Course in Practice of General Surgery, Faculty, Harvard Medical School. Cancer of the Pancreas.
- 1993 Lecturer, Intensive Review of Gastroenterology and Hepatology, Faculty, Harvard Medical School. Pancreatic Malignant Neoplasms.
- 1993 Invited Professor, XVII National Surgical Congress, Guadalajara, Mexico, Surgery in the Elderly, Acute Pancreatitis, Surgical Treatment of Pancreatic Cancer.
- 1994 Invited speaker, Cancer of the Pancreas: Challenge of the Nineties, organized by Brown University and Roger Williams Cancer Center. Faculty, Laparoscopic Staging of Pancreatic Cancer, Newport RI.
- 1994 Invited Professor, Annual Gastroenterology Course of the Puebla Chapter of the Mexican Association of Gastroenterology, Cystic Neoplasms of the Pancreas and Advances in Pancreatic Surgery.
- 1994 Lecturer, Postgraduate Course "Management Decisions for the General Surgeon," Harvard Medical School. Acute Pancreatitis.
- 1995 Lecturer, Postgraduate Course "Management Decisions for the General Surgeon," Faculty, Harvard Medical School. Chronic Pancreatitis.
- 1995 Invited speaker, Postgraduate Course "Current Controversies in Cancer Management," 81st Annual Clinical Congress of the American College of Surgeons. Laparoscopic Staging of GI Cancer.
- 1995 Invited Professor, XIX National Surgical Congress, Cancun, Mexico. . Acute Pancreatitis, Recent Advances in Pancreatic Cancer, Reoperations following Pancreatoduodenectomy.
- 1995 Lecturer, Postgraduate Course "Advances in Cancer Management for the Surgeon." Faculty, Harvard Medical School. Bile Duct and Gallbladder Carcinoma.
- 1995 Invited speaker, Delaware Valley Society for Gastrointestinal Endoscopy, Philadelphia, PA. Staging of Pancreatic Cancer.
- 1996 Invited speaker, Surgical Grand Rounds "Acute Pancreatitis," Baystate Medical Center, Springfield, MA 01109.
- 1996 Invited Speaker, GI Grand Rounds, Massachusetts General Hospital: Hypercalcemic Pancreatitis.
- 1996 Lecturer, Postgraduate Course in General Surgery, Harvard Medical School: Chronic Pancreatitis.
- 1996 Invited speaker, AGA Fall Postgraduate Course, Chicago, IL, Faculty; State of the Art Pancreatic surgery, Pancreas Divisum and Pseudocysts.
- 1996 Invited Professor, International Symposium on Cancer of the Pancreas, Irsee, Germany.; Classification of Pancreatic Cancer: The American Approach.

- 1996 Invited Professor, International Symposium on Pancreatic Disease. Buenos Aires, Argentina, Cystic Tumors of the Pancreas and Staging of Pancreatic Cancer.
- 1996 Invited Professor, 67th Argentinean Surgical Congress, Buenos Aires, Argentina. Ampullary Tumors, Surgical Treatment of Acute Pancreatitis, Surgery in Chronic Pancreatitis.
- 1996 Lecutrer, Postgraduate Course “Advances in Cancer Management for the Surgeon,” Harvard Medical School, Faculty, Current Management of Ampullary Neoplasms.
- 1996 Invited Speaker, Postgraduate Course of the Mexican Association of Gastroenterology, Monterrey, Mexico, , Antibiotics in Acute Pancreatitis and The Role of CT in the Management of Acute Pancreatitis.
- 1997 Invited speaker, 1997 Americas Hepato-Pancreato-Biliary Congress, Miami, FL, Laparoscopic Staging for Pancreatic Cancer.
- 1997 Lecturer, Postgraduate Course in General Surgery, Harvard Medical School, Carcinoma of the Pancreas, Chronic Pancreatitis.
- 1997 Visiting Professor, Mayo Clinic, Rochester MN.
- 1997 Invited speaker, Postgraduate Course in Liver, Pancreas, and Biliary Tract, Clinical Congress of the American College of Surgeons, Chicago, IL. Staging for Pancreatic Cancer.
- 1997 Invited speaker: Surgical Grand Rounds “Management of Acute Pancreatitis” St. Elizabeth’s Medical Center, Boston MA.
- 1998 Invited speaker Surgical Grand Rounds VA Medical Center, West Roxbury. “Acute Pancreatitis.”
- 1998 Invited speaker, SSAT Postgraduate Course, Interfaces and Treatment of Hepatobiliary and Pancreatic Diseases, New Orleans, LA. “Surgical Debridement for Necrotizing Pancreatitis.”
- 1998 Invited speaker, AGA Postgraduate Course, Controversies and Clinical Challenges in Pancreatic Disease, New Orleans, LA, “Cystic Neoplasms and Mucin-Secreting Neoplasms of the Pancreas.
- 1998 Invited Professor, Mexican Congress of Surgery, Leon, Mexico.
- 1998 Lecturer, Postgraduate Course in General Surgery, Harvard Medical School, Cystic lesions of the Pancreas and Chronic Pancreatitis.
- 1998 Lecturer, Advances in Cancer Management for the Surgeon, Harvard Medical School, Laparoscopic Staging of GI Cancers.
- 1998 Invited Professor, Argentinean Congress of Gastroenterology, Buenos Aires, Argentina.
- 1999 Visiting Professor, Hospital Metropolitano, Universidad de Loja, Quito, Ecuador.
- 1999 Invited Professor, Postgraduate Course of European Digestive Surgery. “Pancreatic Tumors: Achievement and Prospective.” Athens, Greece.. The role of intracystic markers in pancreatic cystic tumor management.
- 1999 Lecturer, Postgraduate Course on Pancreatic Cancer, Harvard Medical School, Cystic Tumors of the Pancreas.

- 1999 Member of International Study Group on Intraductal Papillary Mucinous Tumors of the Pancreas, Dartmouth Medical School, Hannover, NH.
- 1999 Lecturer, Postgraduate Course in General Surgery, Harvard Medical School, Acute Pancreatitis and Chronic Pancreatitis.
- 1999 Visiting Professor, Glasgow Royal Infirmary, Scotland.
- 1999 Lecturer, Advances in Cancer Management for the Surgeon. Harvard Medical School, Treatment of Pancreatic Cancer and Laparoscopic Staging of GI Malignancies.
- 1999 Invited Professor, International Symposium on Diseases of the Pancreas. Santiago de Compostela, Spain, Laparoscopy and Peritoneal Cytology for Pancreatic Cancer.
- 1999 Invited speaker, Management of Benign Hepato-Pancreato-Biliary Disorders. Postgraduate Course of the AASLD and AHPBA, Dallas, TX, Faculty. Intraductal, Papillary Mucinous Tumors of the Pancreas.
- 2000 Invited speaker: Surgical Grand Rounds, Mt. Auburn Hospital, Cambridge, MA. Treatment of Necrotizing Pancreatitis.
- 2000 Invited Speaker: SAGES – Meeting of the Millennium. Atlanta, GA. Laparoscopy in the management of malignancy: How much is too little? Simple Laparoscopy for Pancreatic Cancer.
- 2000 Invited Speaker: Surgical Grand Rounds, St. Elizabeth’s Medical Center, Boston, MA. Selected Cases of Pancreatic Pathology.
- 2000 Invited Speaker: Surgeons Travel Club, Boston, MA. Intraductal papillary mucinous tumors of the pancreas.
- 2000 Chairman, SSAT, AGA, and ASGE Consensus Conference “Management of the biliary tract in acute pancreatitis.” DDW, San Diego, CA.
- 2000 Invited Speaker, Medical Grand Rounds, Massachusetts General Hospital. “Acute Pancreatitis.”
- 2000 Invited Speaker, International College of Surgeons, 62nd Annual Surgical Update, Cambridge, MA, Laparoscopy and Peritoneal Cytology for Staging in Pancreatic Cancer.
- 2000 Invited Professor, Chronic Pancreatitis 2000: Novel Concepts in Biology and Therapy. Bern, Switzerland. Surgical Treatment of Chronic Pancreatitis: the MGH Experience.
- 2000 Lecturer, Postgraduate Course in General Surgery, Harvard Medical School.. Management of Cystic Lesions of the Pancreas and Chronic Pancreatitis.
- 2000 Invited Professor, International Congress of Surgery, Tampico, Mexico. Selected topics on Pancreaticobiliary Disease.
- 2000 Invited Speaker, New England Surgical Society, Boston, MA. Pancreatic tumors; Strategies and Tactics: Intraductal papillary tumors of the pancreas.
- 2000 Invited speaker, Postgraduate Course on Diseases of the Liver, Biliary Tract, and Pancreas. 86th Annual Clinical Congress of the American College of Surgeons,

- Chicago, IL. Those surprisingly prevalent intraductal papillary mucinous tumors of the pancreas.
- 2000 Invited Professor, Annual Mexican Gastroenterology Congress, Mazatlan, Mexico.
- 2000 Moderator, Free papers session and Cystic Tumor Symposium, Combined meeting of the American Pancreatic Association and International Association of Pancreatology, Chicago, IL.
- 2000 Lecturer, Postgraduate Course “Advances in Cancer Management for the Surgeon,” Harvard Medical School. The role of laparoscopy in staging GI malignancies.
- 2001 Lecturer, Comprehensive Review of Gastroenterology, Harvard Medical School. Cystic Tumors of the Pancreas.
- 2001 Visiting Professor, University of Navarre School of Medicine, Pamplona, Spain.
- 2001 Invited speaker, SSAT Postgraduate Course “Concepts in GI Surgery, a Case-Based Management Approach.”, Cystic Tumors of the Pancreas, Atlanta, GA.
- 2001 Invited speaker, Mouse Models of Pancreatic Cancer symposium, DMBA-induced carcinoma in rats. Nashville, TN.
- 2001 Visiting Professor, Department of Surgery, Maimonides Medical Center, New York.
- 2001 Lecturer, Postgraduate Course in General Surgery, Harvard Medical School. Management of Cystic Lesions of the Pancreas and Chronic Pancreatitis.
- 2001 Invited speaker, AASLD/AHPBA Surgical Forum, Dallas, TX. Session on Mucinous Cystic Lesions of the Pancreas. Cyst Fluid Analysis: Is it Useful?
- 2001 Lecturer, Postgraduate Course Advances in Cancer Management for the Surgeon. Harvard Medical School The role of laparoscopy in staging GI cancer.
- 2001 Invited Speaker, Surgical Grand Rounds, St. Elizabeth’s Medical Center. Management of Ampullary Tumors.
- 2001 Visiting Professor, Department of Surgery, Roger Williams Medical Center, Providence, RI.
- 2002 Invited Professor, International Course on Liver Pancreas and Biliary Tract, Monterrey, NL, Mexico.
- 2002 Lecturer, Comprehensive Review of Gastroenterology, Harvard Medical School.
- 2002 Invited speaker, SSAT Postgraduate Course Controversies Pancreaticobiliary Disease. Should all cystic tumors of the pancreas be resected? San Francisco, CA.
- 2002 Invited speaker, Pancreas Club “How do I do it?” section; Surgical Treatment of IPMT: The Conservative Approach, San Francisco, CA.

- 2002 Chair, Clinical Acute Pancreatitis Session, Joint Meeting of the European Pancreatic Club and the International Association of Pancreatology, Heidelberg, Germany.
- 2002 Lecturer, Postgraduate Course in General Surgery. Harvard Medical School. Acute and Chronic Pancreatitis.
- 2002 Lecturer, Postgraduate Course "Advances in Cancer Management for the Surgeon." Harvard Medical School. Laparoscopy for staging GI malignancies.
- 2002 Invited Professor, International Course "New Frontiers in Neoplastic Diseases of the Pancreas," Hospital Ramon y Cajal, Madrid, Spain.
- 2003 Lecturer, Comprehensive Review of Gastroenterology, Harvard Medical School.
- 2003 Invited speaker, Symposium on Chronic Pancreatitis, "Surgical Treatment," Digestive Disease Week, Orlando, FL.
- 2003 Invited Professor, XV Latinamerican Surgical Congress, Panama City, Panama.
- 2003 Guest Speaker, MGH Minority Resident and Fellow Group Fall Meeting.
- 2003 GI Grand Rounds, MGH. Intraductal Papillary Mucinous Tumors of the Pancreas.
- 2003 Lecturer, Postgraduate Course in General Surgery. Harvard Medical School. Pearls and Pitfalls of Pancreatic Surgery.
- 2003 Invited Speaker, American College of Surgeons 89th Clinical Congress, Chicago, Ill. Cystic Neoplasms of the Pancreas and Laparoscopy for Staging of Pancreatic Cancer.
- 2003 Invited Speaker, Melrose-Wakefield Hospital Grand Rounds. Pancreatic Cancer and Pancreatic Cysts.
- 2004 Invited Speaker, Newton-Wellesley Hospital Surgical Grand Rounds, Cystic Tumors of the Pancreas.
- 2004 Visiting Professor, The Western Pennsylvania Hospital.
- 2004 Discussion leader, MGH/BWH Minority Faculty Development Conference; "Breaching the Barriers- Leadership skills for the future". Cambridge, MA.
- 2004 Visiting Professor, M.D. Anderson Medical Center.
- 2004 Lecturer, Comprehensive Review of Gastroenterology, Harvard Medical School
- 2004 Moderator, Symposium on Autoimmune Sclerosing Pancreatitis Pancreas Club 2004. New Orleans, LA.
- 2004 Invited Speaker, Symposium on Intraductal Papillary Mucinous Neoplasms and Mucinous Cystic Neoplasms of the Pancreas. Combined Meeting of the IAP and the Japan Pancreas Society, Sendai, Japan.
- 2004 Invited Speaker, Anesthesia Grand Rounds, MGH: Acute Pancreatitis: From bedside to bench.
- 2004 Lecturer, Postgraduate Course in General Surgery, Harvard Medical School

- 2005 Visiting Professor, Instituto Nacional de Ciencias Medicas y Nutricion “Salvador Zubiran”, Mexico.
- 2005 Lecturer, Postgraduate Course in Gastroenterology, Harvard Medical School.
- 2005 Invited Speaker, American Gastroenterology Association, Symposium on Organized Pancreatic Necrosis, DDW, Chicago II.
- 2005 Invited Speaker, American Society of Gastrointestinal Endoscopy, Symposium on Cystic Neoplasms of the Pancreas, DDW, Chicago II.
- 2005 Invited Professor, Mexican Congress of Surgery, Merida, Yucatan, Mexico.
- 2005 Lecturer, Advances in Cancer Management for the Surgeon, Harvard Medical School. Preoperative Staging of Pancreatic Cancer & Managing Complications in Pancreatic Surgery.
- 2005 Invited Professor, 76th Argentinian National Surgical Congress, Buenos Aires, Argentina.
- 2006 Invited Speaker, Baystate Medical Center, Springfield MA. Management of Cystic Neoplasms of the Pancreas.
- 2006 Lecturer, Postgraduate Course in Gastroenterology, Faculty, Harvard Medical School; Cystic Neoplasms of the Pancreas.
- 2006 Moderator, “How I do it “ session, Pancreas Club; Middle Pancreatectomy.
- 2006 Invited Speaker, Digestive Disease Week, Los Angeles, CA. Ampullary Villous Tumors: Endoscopic vs Local Resection vs Pancreatoduodenectomy.
- 2006 Invited Professor, International Postgraduate Course on Hepatology and Gastroenterology, Instituto Nacional de Ciencias Medicas y Nutricion, Mexico City, Mexico.
- 2006 Lecturer, Update in Gastrointestinal Cancer Course, MGH Cancer Center. Surgical Treatment of Pancreatic Cancer.
- 2006 Lecturer, Postgraduate Course in General Surgery, Harvard Medical School; Acute Pancreatitis and the Surgeon, and Management of Cystic Neoplasms of the Pancreas
- 2006 Invited speaker, Combined meeting of the American Association of Pancreatology and International Association of Pancreatology, Chicago, II; Surgical Treatment of Cystic Neoplasms of the Pancreas
- 2006 Invited Professor, Panamerican Congress of Gastroenterology, Can Cun, Mexico. Management of Acute Pancreatitis; Incidental Pancreatic Cysts.
- 2007 Invited Speaker, Combined Vascular and GI interventional radiology lecture series MGH. Acute Pancreatitis: A surgeon’s perspective.
- 2007 Invited speaker, Harold Amos lecture, HMS. Distal Pancreatectomy: Complications, their impact, and their prevention.
- 2007 Lecturer, Postgraduate Course in Gastroenterology, Harvard Medical School; Differential diagnosis of Cystic Neoplasms of the Pancreas
- 2007 Invited Speaker, American College of Surgeons 35th Annual Spring

- Meeting, Las Vegas, NV. Unusual Pancreatic Neoplasms.
- 2007 Co-director, MGH Pancreato-Biliary Program Conference of live endoscopy, surgery, and interventional radiology.
- 2007 Invited Speaker, DDW Combined Clinical Symposia, Washington DC, Management of Unresectable Pancreatic Masses.
- 2007 Invited Speaker, SSAT State of the Art Conference on Cystic Pancreatic Neoplasms, Washington DC, Management of Mucinous Cystic Neoplasms.
- 2007 Invited Speaker, Mount Auburn Hospital Surgical Grand Rounds, Management of Necrotizing Pancreatitis.
- 2007 Invited Speaker, MGH Pain Center Grand Rounds, Pancreatic Pain
- 2007 Invited Professor, International Workshop on Neuroendocrine Tumors of the Pancreas, Verona, Italy.
- 2007 Invited Professor, Gastrao 2007, Sao Paulo, Brazil, Surgical Management of Acute Pancreatitis, Cystic Neoplasms of the Pancreas, and Surgical Management of Neuroendocrine Pancreatic Neoplasms.
- 2007 Invited Professor, X Reunión del Club Español Bilio-Pancreático, Santander, Spain; Mucin-Producing Neoplasms of the Pancreas.
- 2007 Invited Speaker, American College of Surgeon's 93rd Annual Clinical Congress, New Orleans, LA, Cine Clinic on Pancreatic Surgery; Middle Pancreatectomy
- 2008 Invited Professor, 1st.International Surgical Week, Instituto Nacional de la Nutricion, Mexico City. Mucinous Cystic Neoplasms and Middle Pancreatetcomy
- 2008 Invited speaker, Postgraduate Course in Gastroenterology, Harvard Medical School; Cystic Neoplasms of the Pancreas
- 2008 Invited Speaker, ASGE symposium on Cystic Neoplasms of the Pancreas, Surgical Management; DDW, San Diego, CA.
- 2008 Invited Professor, XV Postgraduate Course of the AGA and SEPD, Sitges, Barcelona, Spain. How to manage cystic lesions of the Pancreas.
- 2008 Invited Professor, Combined meeting of the IAP and EPC, Lodz, Poland. Cystic Neoplasms of the Pancreas.
- 2008 Lecturer, Advances in Cancer Management for the Surgeon, Boston, MA. Cystic Neoplasms of the Pancreas
- 2008 Invited Speaker, American Pancreatic Association Meeting, Chicago, Il. Endoscopic ultrasound is not (very) useful to evaluate pancreatic cystic neoplasms.
- 2009 Invited speaker, Postgraduate Course in Gastroenterology, Harvard Medical School: Management of Cystic Neoplasms of the Pancreas.
- 2009 Invited Speaker, Southern Society of Clinical Surgeons Meeting, Massachusetts General Hospital: Modern Management of Pancreatic Neoplasms.
- 2009 Invited Speaker, Gastrointestinal Oncology Course, Massachusetts General Hospital Cancer Center. Surgical Treatment of Pancreatic Cancer

- 2009 Invited Speaker, DDW, Chicago II, AGA Institute Clinical Symposium on IPMNs, A surgeon's perspective.
- 2009 Invited Speaker, DDW, SSAT Postgraduate Course, Surgical Management of Pancreatic Necrosis.
- 2009 Invited Speaker, DDW Combined Clinical Symposium on Autoimmune disorders of the Pancreas and Biliary Tract, The role of the surgeon.
- 2009 Invited speaker, Baltimore Academy of Surgery, Middle Pancreatectomy
- 2009 Surgical Grand Rounds, Massachusetts General Hospital, Incidental pancreatic cysts: what we know and what we have yet to learn.
- 2009 Visiting Professor, Johns Hopkins Hospital, to deliver the 5th Annual Frieda Deutsch Lecture on Pancreatic Cancer, Evolving Concepts in our Understanding and Management of Mucin-producing Neoplasms of the Pancreas.
- 2009 Panelist, "Why Boston? Building your career in academic medicine in Boston", organized by the the Harvard Medical School URM Medical Student Mentorship Program
- 2009 Invited Speaker, Combined meeting of the American Pancreatic Association and the Japan Pancreas Society, Clinical State of the Art Lecture, Intraductal Papillary Mucinous Neoplasms
- 2010 Invited Speaker, Grand Rounds, St. Joseph's Regional Medical Center, Mishawaka, Indiana, Cystic Tumors of the Pancreas.
- 2010 Invited Speaker, SSAT/AGA/ASGE State-of-the-Art Conference on Necrotizing Pancreatitis: Novel minimally-invasive strategies. Indications for open pancreatic necrosectomy. DDW, New Orleans, LA.
- 2010 Invited speaker, MGH Pathology Department Interlaboratory Conference, Management of Cystic tumors of the pancreas.
- 2010 Invited Speaker, Metrowest Medical Center Medicine Grand Rounds, Cystic Neoplasms of the Pancreas.
- 2010 Moderator and invited speaker, International Consensus on Cystic Neoplasms of the Pancreas, Joint Meeting of the International Association of Pancreatology and the Japan Pancreas Society, Fukuoka, Japan.
- 2010 Invited Faculty, 9th. Annual Symposium on Gastrointestinal Cancers, St. Louis University School of Medicine, Surgical Treatment of Pancreatic Cancer.
- 2010 Invited Speaker, American Pancreatic Association Conference on Pancreatic Necrosis, Open Debridement and Drainage.
- 2010 American Pancreatic Association Meeting, Moderator in the Controversies session on Tru-cut vs FNA for tissue diagnosis in pancreatic diseases, Chicago, IL.
- 2010 Invited Speaker, 2nd. International Conference Advances In Surgery, Barcelona, Spain. Management of Incidental Pancreatic Cysts and Timing for Surgery in Necrotizing Pancreatitis.
- 2011 Invited Speaker, Joint Conference fo the International Association of Pancreatology and the Indian Pancreas Club, Cochin, Kerala, India.

- Management of Pancreatic Necrosis, Intraductal Papillary Mucinous Neoplasms, Techniques in Pancreatic Surgery.
- 2011 Invited Speaker, Cancer of the Pancreas Screening (CAPS) International Summit, Baltimore Maryland. What abnormalities dictate surgical intervention?
- 2011 Hackl Family Visiting Professor, Mayo Clinic Florida.
- 2011 Southern New Hampshire Medical Center Grand Rounds. Pancreatic Cancer and IPMNs.
- 2011 Invited Speaker, MGH-CSCO Chinese Oncologist Visiting Program. Surgical Management of Neuroendocrine Tumors.
- 2011 Invited Speaker, Postgraduate Course Advances in Gastroenterology. Management of cystic neoplasms of the pancreas, Boston, MA.
- 2011 Invited speaker, Bridge Project Symposium, MIT and Harvard Cancer Center. Surgical Treatment of Pancreatic Cancer
- 2011 Gastroenterology Grand Rounds, Massachusetts General Hospital, Clinical State of the Art of Intraductal Papillary Mucinous Neoplasms.
- 2011 Moderator, International symposium on IgG4-related disease, session on epidemiology and clinical manifestations of autoimmune pancreatitis, Boston, MA
- 2011 Invited Speaker, Workshop on Total Pancreatectomy and Islet Autotransplant for treatment of Chronic Pancreatitis, Anything but TP/IAT. Chicago, IL.
- 2012 Invited Speaker and Moderator, Combined Clinical Symposium on Cystic Neoplasms of the Pancreas and IPMN, Digestive Disease Week , San Diego, CA.
- 2012 Invited Discussant and Panelist, Best practices for improving communication, Massachusetts General Hospital.
- 2012 Invited Speaker, ACS Panel on Severe Acute Pancreatitis, Chicago, IL
- 2012 Invited Speaker, ACS Latin America Day, Management of Cystic Neoplasms of the Pancreas, Chicago IL
- 2013 Invited Speaker, AHPBA Annual Meeting, Management of Mucin-Producing Cystic Lesions of the Pancreas, Miami, FL
- 2013 Invited Speaker, ASGE/AGA Symposium of Management of Pancreatic Cysts, DDW, Orlando FL.
- 2013 Invited Speaker and Moderator, Symposium on Early Pancreatic Cancer, DDW, Orlando, FL.
- 2013 Invited Speaker, “Curbside Consultant”, How to approach a patient with a pancreatic cyst, DDW, Orlando FL.
- 2013 Invited Speaker, Postgraduate Course Advances in Gastroenterology. Cystic neoplasms of the pancreas, Boston, MA.
- 2013 Invited Speaker and Moderator, Symposium on “Controversies on Cystic Neoplasms of the Pancreas, Joint meeting of the IAP and the Korean Pancreato-biliary Association, Seoul, Korea.

- 2013 Invited Speaker, Medical Grand Rounds, Brigham and Women's Hospital, Discussion of a patient with pancreatitis and a choledochal cyst.
- 2013 Invited Speaker and Moderator, Symposium on the Role of EUS to manage pancreatic cysts, American Pancreatic Association Meeting, Miami, FL
- 2013 Invited Speaker, Resection or Observation for Cystic lesions of the pancreas, Course in Advances in Cancer Management for the Surgeon, Massachusetts General Hospital and Harvard Medical School, Boston.
- 2014 Invited Speaker, 5th Ameranger Disput, Not all IPMNs should be resected. Organized by the Freiburger Foundation, Amerang (Munich) Germany.
- 2014 Invited Speaker, When is surgery indicated in IPMN bly consensus guidelines? DDW, Chicago II, 2014
- 2014 Moderator, Combined Clinical Symposium on the Practical Management of pancreatic cysts. DDW, Chicago, 2014
- 2014 Kenneth W. Warren MD Annual Lecture. New England Baptist Hospital. Cystic Neoplasms of the Pancreas.
- 2014 Invited Speaker, Harvard GI Postgraduate Course, Cystic Neoplasms of the Pancreas.
- 2014 Invited Speaker, Session Chair, and Presenter, Combined meeting of the International Association of Pancreatology and the European Pancreatic Club, Southampton, UK.
- 2014 Invited Speaker, Management of the incidental pancreatic cyst, Symposium on IPMN, Meeting of the American College of Surgeons, San Francisco.
- 2014 Invited Speaker, APA Symposium "Acute Pancreatitis: Progress and Challenges", A look at the future: What I expect treatment will be in 2025. Hawaii.
- 2014 Moderator and Presenter, The Whipple procedure at age 80. 45th Meeting of the American Pancreatic Association, Hawaii.
- 2014 Invited Speaker, Medical University of Vienna Cancer Center, "The Surgeon and Pancreatic Cancer"
- 2014 Invited Speaker, World Congress of the International Association of Surgeons, Gastroenterologists, and Oncologists, Vienna, IPMN.
- 2015 Invited Speaker, International Surgical Course. Instituto Nacional de Ciencias Medicas y Nutricion SZ, Mexico City. The Whipple procedure and Intraductal Papillary Mucinous Neoplasms.
- 2015 Invited Speaker, GI Grand Rounds, Pentucket Medical Group, Haverhill, MA.
- 2015 Invited Speaker, Harvard GI Postgraduate Course, Diagnosis and Management of Cystic Neoplasms of the Pancreas.
- 2015 Invited Speaker and Session Chair, World Pancreas Forum, Bern, Switzerland. Intraductal Papillary Mucinous Carcinoma.
- 2015 Invited Speaker, European Pancreatic Club Meeting, Toledo, Spain, Intraductal Papillary Mucinous Neoplasms of the Pancreas.
- 2016 Invited Speaker, GI Grand Rounds, Massachusetts General Hospital, Controversies on the management of IPMNs.

- 2016 Invited Speaker, Translational Symposium on understanding and management of pancreatic cysts, Surveillance and Surgery for Pancreatic Cysts, Why Fukuoka Guideline?, DDW, San Diego, CA.
- 2016 Invited Speaker, 2016 SSAT GI Surgery Debate, Mixed-duct IPMN, resect or observe?, DDW, San Diego, CA.
- 2016 Invited Speaker, 2016 European Pancreatic Club Meeting, IPMN: The Boston view, Liverpool, UK
- 2016 Invited Speaker, 2016 Combined meeting of the International Association of Pancreatology and the Japan Pancreas Society, Consensus on Management of IPMNs, and Management of Borderline resectable pancreatic cancer. Sendai, Japan
- 2016 W. Dean Warren Visiting Professor, Department of Surgery, Emory Medical School, Atlanta, Georgia.
- 2017 International invited speaker, XIV Annual Course, Mexican Association of General Surgery. Whipple procedure in the XXI century, and Intraductal Papillary Mucinous Neoplasms of the Pancreas, Mexico City, Mexico.
- 2017 Invited Speaker, XXII Latinamerican Surgical Congress. Neoadjuvant treatment for Pancreatic Cancer, IPMNs, Neuroendocrine Pancreatic Tumors. Lima, Peru.
- 2017 Invited Speaker, DDW Symposium, When is surgery indicated for cystic tumors of the pancreas, Chicago IL.
- 2017 Invited Speaker, Harvard GI Postgraduate Course, Pancreatic Cystic Neoplasms.
- 2017 Invited Speaker, Pancreas 2017, Combined Meeting of the International Association of Pancreatology and the Latinamerican Pancreas Club, The Changing Landscape of Pancreatic Surgery, and Surgical Management of IPMNs. Buenos Aires, Argentina.
- 2017 Visiting Professor, Memorial Sloan Kettering Cancer Center.
- 2018 Invited Speaker, MD Anderson Cancer Center, Management of borderline and locally-advanced pancreatic cancer.
- 2018 Invited Speaker, Society of Surgical Oncology Annual Meeting, Symposium on local therapies for liver and pancreatic cancer; Role of intraoperative radiation therapy for borderline and locally advanced pancreatic cancer.
- 2018 Invited Speaker, Pancreas 2018, Johns Hopkins Hospital. Evolution of guidelines for IPMN management and Surgery for Neuroendocrine Pancreatic Tumors.
- 2018 Invited Speaker, Harvard Postgraduate Surgical Oncology Course , Pancreatic Cysts and IPMN
- 2018 Invited Speaker, Harvard Postgraduate Gastroenterology Course, Cystic Neoplasms of the Pancreas.
- 2018 Invited Speaker, Nanjing Pancreas Forum 2018, Surgery for IPMN, Nanjing, China.
- 2018 Invited Speaker, Symposium on Familial Pancreatic Cancer, MGH.

Research Fellows Trained:

1994-1996	Jaime Rivera, MD, currently staff surgeon at North Shore Medical Center.
1997	Martin Makary, MD, MPH, director of GI Surgery, Johns Hopkins Hospital
1998-2000	Ramon Jimenez, MD, assistant Professor of Surgery, U Conn Medical Center
2000-2002	James H. Balcom, MD, currently staff surgeon at North Shore Medical Center.
2002	Javier Targarona, staff surgeon, Centro de Enfermedades Neoplasticas, Lima, Peru.
2002	Beatrice Kern, private practice, Bern, Switzerland.
2003	Roberto Salvia, assistant Professor, University of Verona, Italy
2002-2004	Guido Alsfasser, assistant Professor, University of Rostok, Germany.
2004-2006	Ruben Rodriguez, currently pediatric surgeon at Texas Children's Hospital
2004-2005	Oswaldo Razo, resident in surgery, MGH
2006-2007	Stefano Crippa, assistant Professor, San Raffaele Hospital, Milan.
2007	Ismael Rodriguez, HBP fellow, Washington Univeristy, Saint Louis, Missouri.
2007	Mehrdad Nikfarjam, completed an HPB fellowship at Hershey Medical Center, and now attending surgeon in Melbourne, Australia
2008-2009	Camilo Correa, currently fellow in surgical oncology, MSK.
2009-2010	Thun Ingkakul, currently attending surgeon in the Royal Air Force Hospital, Bangkok, Thailand
2011-2012	Vicente Morales-Oyardive, MPH, Harvard School of Public Health.
2012-2013	Klaus Sahara, Attending Surgeon, Medical University of Vienna, Austria
2013-2014	Giovanni Marchegiani, University of Verona
2014-2015	Andrea Zanconato, University of Bologna
2015-2016	Ilaria Pergolini, San Raffaele Hospital, Milan
2016-2017	Marta Sandini, University of Milan
2018-2019	Clifton Rodrigues

Report of Clinical Activities:

My practice is centered at the MGH, where I see mostly patients with gastrointestinal surgical pathology, with a special emphasis on pancreato-biliary problems. I also see general surgery patients every two weeks at one of the community health centers (Revere) that the MGH supports. My case load is between 320 and 350 operations per year, of which more than half are pancreato-biliary cases, including 110-120 pancreatic resections and 12-15 pancreatic debridements. My areas of principal expertise pancreatic, biliary and duodenal cancer, cystic neoplasms of the pancreas, and pancreatitis. According to statistics compiled by the state, for several years I have done the most pancreatic resections in the state of Massachusetts.

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Original Reports:

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2. Fernández -del Castillo C, González -Serrano F. Tubal reanastomosis in the rabbit with different suture materials. *Gin Obst Mex* 1985; 53:213-218 (in Spanish with English abstract).
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6. Campuzano M, Fernández-del Castillo C. Surgical treatment of insulinoma: Experience at the Instituto Nacional de la Nutrición. *Rev Invest Clin* 1989; 41:151-158 (in Spanish with English abstract).

7. Orozco H, Fernández-del Castillo C, King F, et al. Doppler ultrasound in the evaluation of portal permeability and of the distal spleno-renal shunt. *Rev Inst Nal Nut* 1989; 1:25-28 (in Spanish with English abstract).
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- aleatorio y doblemente a ciegas. *Cirujano General* 1993; 2:51-56. (In Spanish with English Abstract).
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