

**CURRICULUM VITAE**

**NAME:** David I. Soybel, M.D.

**OFFICE ADDRESS** Department of Veterans Affairs  
White River Junction Medical Center  
215 Main St, Mailcode 112  
White River Junction, VT 05001

**I. EDUCATION**

<b>Date</b>	<b>Institution</b>	<b>Degree</b>
1974-1978	University of Chicago Chicago, Illinois	B.A. (Honors)
1978-1982	University of Chicago Pritzker School of Medicine, Chicago, Illinois	M.D. (Honors)

**II. POST-DOCTORAL TRAINING/FELLOWSHIPS**

<b>Date</b>	<b>Institution/Program</b>	<b>Position</b>
1982-1984	Washington University, Barnes Hospital Department of Surgery, Div. General Surgery St. Louis, Missouri	Intern/Jr. Resident
1984-1987	Washington University, Barnes Hospital Department of Surgery, Div. General Surgery St. Louis, Missouri	Research Fellowship (GI Physiology)
1987-1990	Washington University, Barnes Hospital Department of Surgery, Div. General Surgery St. Louis, Missouri	Senior/Chief Resident

**III. ACADEMIC APPOINTMENTS**

<b>Date</b>	<b>Institution/Department</b>	<b>Position</b>
1990-1992	Yale University School of Medicine, Department of Surgery New Haven, Connecticut	Assistant Professor
1993-1996	Harvard Medical School, Brigham and Women's Hospital, Department of Surgery Boston, MA	Assistant Professor
1996-2008	Harvard Medical School, Brigham and Women's Hospital, Department of Surgery Boston, MA	Associate Professor
2008-2011	Harvard Medical School, Brigham and Women's Hospital, Department of Surgery Boston, MA	Professor

2011-2020	The Pennsylvania State University School of Medicine, Departments of Surgery, Cell & Molecular Physiology, Hershey, Pennsylvania College of Human Health & Development Department of Nutritional Sciences, University Park, Pennsylvania	David L. Nahrwold Professor of Surgery (Endowed Chair)
2020-	Geisel School of Medicine at Dartmouth Department of Surgery Hanover, New Hampshire	Professor of Surgery

#### IV. DARTMOUTH INSTITUTIONAL LEADERSHIP ROLES

Date	Institution/Department	Position
2020-present	Department of Veterans Affairs White River Junction Medical Center White River Junction, Vermont	Chief, Surgical Service

#### V. LICENSURE/CERTIFICATIONS

Date	Licenses	State/Agency
1990-1993	Physician/Surgeon license	Connecticut
1993-2011	Physician/Surgeon license	Massachusetts
2011-present	Physician/Surgeon license	Pennsylvania
1991	Specialty Certification in Surgery #36778	American Board of Surgery
2002	Specialty Recertification in Surgery #36778	American Board of Surgery
2012	Specialty Recertification in Surgery #36778	American Board of Surgery
2022	Specialty Recertification in Surgery #3678	American Board of Surgery

#### VI. HOSPITAL APPOINTMENTS

Date	Institution	Title
1990-1992	Yale New Haven Hospital New Haven, Connecticut	Associate Surgeon
1990-1992	Department of Veterans Affairs West Haven Connecticut	Staff Surgeon
1990-1992	Brideport Hospital, Bridgeport, CT	
1993-2008	Brigham and Women's Hospital Boston Massachusetts	Associate Surgeon
1996-2001	Department of Veterans Affairs West Roxbury Massachusetts	Staff Surgeon
1996-2000	Department of Veterans Affairs West Roxbury Massachusetts	Chief, General Surgery
1999-2001	Department of Veterans Affairs West Roxbury Massachusetts	Associate Chief of Surgery
2001-2002	Partners HealthCare Boston Massachusetts	Associate Director, Graduate Medical Education

2002-2011	Brigham and Women's Hospital Boston Massachusetts	Senior Staff Surgeon
2002-2011	Dana Farber Cancer Institute Boston Massachusetts	Consulting Surgical Staff
2011-2020	Penn State Milton S. Hershey Medical Center, Hershey Pennsylvania	Division Chief, General Surgery & Surgical Oncology
2011-2020	Penn State Milton S. Hershey Medical Center, Hershey Pennsylvania	Vice-Chair for Research
2020-	Department of Veterans Affairs White River Junction Vermont	Staff General Surgeon
2020-	Department of Veterans Affairs White River Junction Vermont	Chief, Surgical Service

**VII. OTHER PROFESSIONAL POSITIONS**  
N/A

**VIII. UNIQUE PROFESSIONAL DEVELOPMENT ACTIVITIES**

Date	Course/Training Program
2008	Harvard Business School/Brigham and Women's Hospital Physician Leadership Program (certificate)
2012	Harvard Law School/Harvard Business School Negotiation Strategy (certificate)

**IX. TEACHING ACTIVITIES**

**A. Undergraduate Teaching**

Date	Institution	Course	Role
1978	Univ of Chicago	Mammalian Anatomy/Histology	Teaching Assistant
<i>Description:</i> Prosecting anatomic specimens, setting up practical examinations, providing help to individual students, grading exams (11 week course, n=30 students)			
2020- 2023	Dartmouth College	"Arts and Healing" Study Group/research	Preceptor/Advisor 7 students (2 yrs)

**B. Undergraduate Medical Education (Classroom)**

Date	Institution	Course	Role
1985- 1989	Washington Univ School of Medicine	GI Physiology (1 <sup>st</sup> year)	Section Preceptor Lectures GI Motility
<i>Description:</i> 2 lectures (3 hr total) to first year students on Upper and Lower GI Tract Motility cellular and system physiology. Class of 120 students, given yearly. 20 hours preparation for lectures, slides, discussion and exam questions. Also led small group discussion sections for GI Physiology Unit (6-8 students/group; 8-10 hrs each year; 1-2 hours preparation for each of 4 sessions).			
1991-1992	Yale Univ Sch Med	GI Physiology (1 <sup>st</sup> year)	Section Preceptor

<u>Description:</u>	Discussion sections for GI Physiology Unit (6-8 students/group, met weekly for 2 weeks, 2 hrs each week, 2 hrs preparation)		
1994-95	Harvard Med School	Patient-Doctor III (3 <sup>rd</sup> year)	Section Preceptor
<u>Description:</u>	Small group debriefing sessions during the 3 <sup>rd</sup> clinical year (8 students met weekly through the year, July to June; minimal preparation)		
1994-2005	Harvard Med School	Core Surgery Clerkship Brigham & Women's Hosp.	Course Director
<u>Description:</u>	Organized clerkship (orientation, assignment of preceptors, feedback sessions, grading, presentations to clerkship directors at other teaching sites and HMS faculty. N=10-12 students for each of four 10-week sessions. ~300 hours/year		
1994-2005	Harvard Med School	General Surgery Elective Brigham and Women's Hosp	Course Director
<u>Description:</u>	Organized clerkship (orientation, assignment of preceptors, feedback sessions, grading, presentations to clerkship directors at other teaching sites and HMS faculty. N= 8-12 students/year. ~30 hours/year		
1997-2004	Harvard Med School	Combined Clerkships Surgery Core Lectures	Co-Director/lectures
<u>Description:</u>	Organized lectures for core surgery students at Brigham and Women's Hospital, Beth Israel Hospital and New England Deaconess (later BIDMC) in the HMS core surgery clerkships. Saturday mornings 3-4 lectures each week for 10 weeks in each of 4 lecture sequences throughout the year. ~20-30 students each sequence. Assigned and scheduled lectures, reviewed and forwarded feedback to lecturers. Approximately 40-50 hours each year of preparation and maintenance.		
2004-2011	Harvard Med School BWH Core Clerkship	Reading Medical Literature (all students)	Preceptor
<u>Description:</u>	Organized and led discussions of recent contributions to surgery literature, highlighting issues of design, analysis, reporting, interpretation and rhetoric. Each student presented a paper in a 30 minute discussion. N=10-12 students each cycle, 6-8 1 hr sessions each cycle, preparation 8 to 12 hrs each cycle.		
2011-2019	Penn State Hershey College of Medicine	Core Clerkship (3 <sup>rd</sup> year)	Lectures
<u>Description:</u>	Provided classroom lectures, including precepting for case/literature presentations. Repeat Topics included: hernia, gallstone disease, GI bleeding, and acid-peptic disease. N=60-70 students/year, 2-4 hours lecture each cycle (4-6 cycles per year), total 10-12 hours preparation in the year.		
2013-2014	Penn State Hershey College of Medicine	Gastrointestinal Pathophysiology (2 <sup>nd</sup> year)	Lecture Gastric Physiology

Description: Provided lectures to 2<sup>nd</sup> year students on Gastric Mucosal Physiology, Pathophysiology, and acid-peptic disease interventions (pharma, surgery). 90 minute lecture, ~140 students, 10 hrs preparation each year.

2017-2018 Penn State Hershey Medical Humanities I/II Preceptor  
College of Medicine

Description: Precepted small group discussion of 1<sup>st</sup> year students in the first and second of a three part sequence in Medical Humanities. Tutorials included readings, visual presentations, discussions after large group presentations. 5 students, 1 hour large group presentation, 1 hr small group discussion, 16 total sessions, with ~1.0 to 1.5 hr preparation for each session's readings, review of visuals, grading of written work and individual feedback.

1994-2005 Geisel Sch Med Core Surgery Clerkship Site Director  
Dartmouth White River Junction VAMC

Description: Organized clerkship (orientation, assignment of preceptors, feedback sessions, grading for the site (n~20-24 students/year as assigned by DHMC Course Director)

### **C. Undergraduate Medical Education (Clinical)**

1991-1992 Yale University Physical Diagnosis Section Leader  
School of Medicine

Description: Precepted small group (n=2) students in comprehensive physical examination, using clinical teaching opportunities at the West Haven VAMC. 2-3 hrs/week x 12 weeks.

1991-1992 Yale University Core Surgery Clerkship Lectures in Surgery  
School of Medicine West Haven VAMC Literature Review

Description: Precepted small group (n=2-3) students rotating at West Haven VAMC in reading surgical literature, topics suggested by clinical teaching cases. 2 hrs preparation each week ~40 weeks each year. Impromptu lectures of topics in GI and General Surgery.

1993-2011 Harvard Med School Core 3<sup>rd</sup> year clerkship Individual Student  
Preceptor

Description: Assigned a single student each clerkship as mentor/preceptor, providing individual instruction in review of clinical case presentations, write-ups and participation in operations. N= 6-8 students each year: for each student ~8-10 total hrs/week engagement including procding feedback to student and grade to Course Director.

2005-2011 Harvard Med School 4<sup>th</sup> year elective Individual Student  
BWH Elective Clerkships General Surgery Preceptor

Description: Assigned a single student each clerkship as mentor/preceptor, providing individual instruction in review of clinical case presentations, write-ups and participation in operations. N= 4-6 students each year: for each student ~8-10 total hrs/week engagement including procding feedback to student and grade to Course Director. Included visiting and HMS students.

2011-2020	Penn State Hershey College of Medicine	Core 3 <sup>rd</sup> year clerkship	Individual Student Preceptor
<u>Description:</u>	Assigned a single student each clerkship as mentor/preceptor, providing individual instruction in review of clinical case presentations, write-ups and participation in operations. N=4-6 students each year: for each student ~8-10 total hrs/week engagement including procding feedback to student and grade to Course Director.		
2011-2018	Penn State Hershey College of Medicine	4 <sup>th</sup> year elective in General Surgery	Individual Student Preceptor
<u>Description:</u>	Assigned a single student each clerkship as mentor/preceptor, providing individual instruction in review of clinical case presentations, write-ups and participation in operations. N=1-2 students each year: for each student ~8-10 total hrs/week engagement including procding feedback to student and grade to Course Director.		
2020-	DHMC Geisel School of Med	Core clerkships in General Surgery	Students MS3 (x2)
	Weekly sessions with resident/student teams at the White River Junction VAMC dedicated to case presentations and Review of literature. 1 hr/week		
2022-	DHMC Geisel School of Med	Site Director WRJ Core Clerkship Surgery	Students MS3 x 2

#### **D. Graduate Medical Education Teaching**

1990-1992	Yale University School of Medicine West Haven VAMC Bridgeport Hospital	Attending Teaching Staff General Surgery	Continuous
<u>Description:</u>	Staffed cases with Yale (West Haven VA) and Yale Affiliate (Bridgeport) residents. Provided instruction in case presentation, preparation, conduct of operations and post-operative care, feedback on progress and performance to trainee and program directorship.		
1993-1996	Brigham and Women's Hospital	Attending Teaching Staff Cutler Surgery Service	Continuous
<u>Description:</u>	Staffed cases with surgery residents at Brigham and Women's Hospital. Provided instruction in case presentation, preparation, conduct of operations and post-operative care, feedback on progress and performance to trainee and program directorship.		
1996-2001	Dept. of Veterans Affairs West Roxbury Med Ctr	Attending Staff General Surgery BWH Residents	Continuous

Description: Staffed cases with surgery residents at Brigham and Women’s Hospital. Provided instruction in case presentation, preparation, conduct of operations and post-operative care, feedback on progress and performance to trainee and program directorship. Included residents from Boston University from 1999-2001.

2002-2011 Brigham and Women’s Hospital, Dept. of Surgery Attending Staff “Chief’s” Surgical Service Continuous

Description: Staffed cases with surgery residents at Brigham and Women’s Hospital. Provided instruction in case presentation, preparation, conduct of operations and post-operative care, feedback on progress and performance to trainee and program directorship.

2011-2020 Penn State Hershey Medical Center Department of Surgery Attending Staff General Surgery Continuous

Description: Staffed cases with surgery residents at Penn State-Hershey Medical Center. Provided instruction in case presentation, preparation, conduct of operations and post-operative care, feedback on progress and performance to trainee and program directorship.

2020- White River Jct VAMC Department of Surgery Attending Staff General Surgery Continuous

Description: Staffed cases with surgery residents from Dartmouth Health. Provided instruction in case presentation, preparation, conduct of operations and post-operative care, feedback on progress and performance to trainee and program directorship.

**E. Other Clinical Education Programs**

N/A

**F. Graduate Teaching**

N/A

**G. Other Professional/Academic Programs**

Jan 2001 Partners HealthCare GME Training Program Directors Conference Co-organized with DGME

Description: Co-organized program for GME Training program directors at MGH and BWH to roll out Outcome Project of the AAMC for the 1<sup>st</sup> iteration of the Competencies framework and the roll-out of the 80 hour work-week expectations. DGME Deborah Weinstein MD.

2002-2011 Brigham and Women’s Hospital, Dept of Surgery Research Methods Moderator/Leader (Sept-May)

Description: Organized Presentations by residents, faculty and outside experts from the Boston area in research-related topics, including specific research presentations and

general discussions of career planning. Approximately 20 presentations each year scheduled and attended by 8-10 surgery residents from the BWH program and the T32 fellowship programs from BWH and BIDMC (GI, Vascular, Oncology).

2011-2019 Penn State Hershey Medical Center  
Resident Research and Career Tutorials  
Moderator/Leader  
Dept of Surgery

Description: Organized Presentations by residents, faculty and individuals from other Departments in research-related topics, including specific research presentations and general discussions of career planning. Approximately 20 presentations each year scheduled and attended by 4-6 general surgery residents from PSHMC.

2020- Dartmouth Hitchcock Medical Center  
Resident Research and Career Tutorials  
Moderator/Leader  
Department of Surgery

Description: Faculty group review presentations by residents, faculty and individuals from other Departments in research-related topics.

## X. PRIMARY RESEARCH ADVISING

### A. Undergraduate Students

Dates	Name	Institution	Program Description
1997-1998	Eric Singer	Boston College	Senior Honors Project

Current position: Associate Professor of Surgery and Radiology, Associate Chief of Urology and Urologic Oncology, Rutgers Cancer Institute of New Jersey.

2006-2007	Kaniza Tai	UMass-Amherst	Am. Physiol. Soc, Summer Student Fellowship
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Current position: Registered Pharmacist

2008, 2009	Kimberly Faldetta	McGill University	Summer Research Project
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Current position: Resident in Dermatology, Duke University School of Medicine.

2020-2022 **Empathy in Surgical Practice:**  
**Dartmouth College, Undergraduate Independent Discussion Group**  
Ylezaveta Begunova '21 (Arts & Sciences)  
Lane Carbaugh '22 (Arts & Sciences)  
Sophie Kamhi '21 (Arts & Sciences)  
Basile Montagnese '22 (Engineering)  
Neelufar Raja '21 (Arts & Sciences)  
Roberto Rodriguez '23 (Engineering)  
Sunny Tang '21 (Arts & Sciences)

## B. Graduate Students

<b>Dates</b>	<b>Name</b>	<b>Institution</b>	<b>Program Description</b>
2010-2011	Amy Blass Baver BS, MS	Northeastern University	Masters Program in Biomedical Sciences (MS Thesis Advisor)
<i><u>Current position:</u></i> Director of Product Marketing, Kerfast Inc., Boston Massachusetts			
2015-2019	<b>Olivia Rivera</b>	Penn State Hershey Cell & Mol. Physiol.	Graduate Program in Biomedical Sciences. Co-preceptor (2015-2017) Committee Chair (2017-2019). PhD awarded 2019
<i><u>Current position:</u></i> Post-doctoral Research Fellow, Univ North Carolina Nutrition Research Institute, Chapel Hill North Carolina			
2019-	<b>Anna Robuccio Ssentongo</b>	Penn State Hershey Surgery and Public Health Sciences	Graduate Program in Public Health Sciences
<i><u>Current position:</u></i> Pre-Doctoral Student in the Department of Public Health Sciences			

## C. Medical/Dental Students (Directed Research)

<b>Dates</b>	<b>Name</b>	<b>Institution</b>	<b>Program Description</b>
1993	<b>Nader Vafai</b>	Harvard Dental School (1 <sup>st</sup> yr)	Summer Research Fellow Walter Cannon Fellowship
<i><u>Current position:</u></i> Private practice in Endodontistry, Novato, California.			
1994	<b>Henry Zhu</b>	Harvard Medical School/HST (4 <sup>th</sup> yr)	Surgery Research Honors Thesis Advisor
<i><u>Current position:</u></i> Cardiothoracic Surgeon, Kaiser Permanente Sacramento, California			
1995-1996	<b>Ivan Cheng</b>	Harvard Medical School/HST (3 <sup>rd</sup> yr)	Howard Hughes Medical Student Research Fellow Senior Honors Thesis
<i><u>Current position:</u></i> Associate Professor of Orthopedic Surgery, Stanford University School of Medicine, Palo Alto, California.			
2003-2004	<b>Aaron Wieland</b>	Harvard Medical School/HST (3 <sup>rd</sup> yr)	Howard Hughes Medical Student Research Fellow Senior Honors thesis
<i><u>Current position:</u></i> Assistant Professor of Surgery and Public Health, University of Wisconsin, Madison, Wisconsin; Section Chief of Otolaryngology-Head & Neck Surgery, Department of Veterans Affairs, William Middleton Medical Center, Madison, Wisconsin.			
2003	<b>Matthew Keller</b>	Harvard Medical School (1 <sup>st</sup> yr)	Summer Research Research Fellowship, Am. Gastroenterol. Association.



Kathleen Allen	Internal Medicine Resident Internal Medicine	Department of Medicine Massachusetts General Hospital Department of Medicine
Ben Levy	Medical Student 4th year	Geisel School of Medicine
Jialin (Sean) Xie	Medical Student 4th year	Geisel School of Medicine

#### **D. Residents/Fellows (Directed Research)**

<b>Dates</b>	<b>Name</b>	<b>Institution</b>	<b>Program Description</b>
1994-1996	<b>Mary Klingensmith MD</b>	BWH/Harvard Medical School	Research Fellow, F32 NRSA and Assoc. Acad. Surgery Davis & Geck Research Fellow

Current position: Culver Professor of Surgery, Vice-Chairman for Education, Washington University School of Medicine, St. Louis Missouri; Vice-President, American Board of Surgery.

1995-1997	<b>Robert R. Cima MD</b>	BWH/Harvard Medical School	Research Fellow, F32 NRSA
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Current position: Professor of Surgery, Mayo Clinic and Graduate School of Medicine, Rochester Minnesota; Vice Chairman, Department of Surgery (Safety and Quality).

1997-1998	<b>Jennifer Purdy MD</b>	BWH/Harvard Medical School	Research Fellow, Society of University Surgeons Resident Research Award
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Current position: Staff Radiologist, San Diego Imaging Medical Group and Dept. of Veterans Affairs, San Diego Healthcare System.

1998-2000	<b>Vicky B. Tola MD</b>	BWH/Harvard Medical School	Resident Research Fellow, T32 Institutional NRSA (Soybel PI)
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Current position: Family Medicine, Staywell HealthCare, Bridgeport Connecticut

1999-2001	<b>Stephanie L. Chamberlin MD</b>	BWH/Harvard Medical School	Resident Research Fellow, F32 Individual NRSA
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Current position: Head of Commercial, Acorn AI at Medidata Solutions, New York City New York.

2001-2002	<b>Andrea Gerbino DSc, PhD</b>	Boston VA/Harvard Medical School	Visiting post-doctoral scholar Univ. of Baria, Bari, Italy
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Current position: Assistant Professor, Institute of Biomembranes, Bioenergetics and Molecular Biotechnologies, Università degli Studi di Bari, Bari Italy.

2006-2008	<b>Jeff Matthew MD</b>	BWH/ Harvard	Resident Research Fellow, T32
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		Medical School	Institutional NRSA (Soybel PI)
	<u><i>Current position:</i></u>	Vacular Surgery, St. Joseph's Hospital, Tampa Florida.	
2006-2009	<b>Jonathen Emerson Kohler MD, MA</b>	BWH/Harvard Medical School	Resident Research fellow, T32 Institutional NRSA and recipient Am. Coll. Surgeons Reesearch Award
	<u><i>Current position:</i></u>	Assistant Professor of Surgery, University of Wisconsin- Madison and Trauma Medical Director, American Family Children's Hospital, Madison Wisconsin.	
2006-2009	<b>Jing Jing Liu, M.D., Ph.D.</b>	BWH Department of Surgery	Post-Doctoral Fellow Department of Surgery
	<u><i>Current position:</i></u>	Research Scientist, Boston Children's Hospital, Department of Neurology	
2012-2014	<b>Abby Geletzke MD</b>	Penn State-Hershey College of Medicine	Resident Research Fellow; Department of Surgery
	<u><i>Current position:</i></u>	Breast Surgical Oncology, UPMC-Pinnacle Health System, Lancaster, Pennsylvania	
2012-2014	<b>Zeynep Bostanci MD</b>	Penn State Hershey College of Medicine	Resident Research Fellow; Depts. Surgery, Cell & Mol. Physiol. (co-Mentor: Shannon Kelleher, PhD)
	<u><i>Current position:</i></u>	Assistant Professor of Surgery, Breast Surgical Oncology, University of Arizona (Phoenix Campus) and Banner Health System	
2013-2015	<b>Abby Podany Joseph MD</b>	Penn State Hershey College of Medicine	Resident Research Fellow; Depts. Surgery, Cell & Mol. Physiol. (co-mentor: Shannon Kelleher, PhD)
	<u><i>Current position:</i></u>	Clinical Fellow in Critical Care/Trauma Surgery, East Carolina University School of Medicine, Greenville North Carolina	
2014-2016	<b>Kristen Crowell MD</b>	Penn State Hershey College of Medicine	Resident Research Fellow; Depts. College of Medicine Surger, Cell & Mol Physiol; F32 National Research Service Award (co-mentor: Charles Lang, PhD)
	<u><i>Current position:</i></u>	Clinical Fellow in Colorectal Surgery, Cleveland Clinic, Cleveland Ohio	
2014-2015	<b>Susie X. Sun MD</b>	Penn State Hershey College of Medicine	Resident Research Fellow, Depts. of Surgery and Public Health Sciences, Masters Program (co-mentor: Christopher Hollenbeak, PhD)
	<u><i>Current position:</i></u>	Assistant Professor of Surgery, University of Texas M.D. Anderson Cancer Center, Houston Texas	
2016-2018	<b>Audrey Stokes Kulaylat MD</b>	Penn State Hershey College of Medicine	Resident Research Fellow, Depts. of Surgery and Public Health Sciences,

Masters Program (co-mentor:  
Christopher Hollenbeak, PhD)

Current position: Assistant Professor of Surgery (Colorectal Surgery), Penn State Hershey College of Medicine and Penn State Health, Hershey Pennsylvania.

2017-2018     **Branden Hendricksen MD**     Penn State Hershey College of Medicine     Resident Research Fellow, Depts. of Surgery and Public Health Sciences, Masters Program (co-mentor: Christopher Hollenbeak, PhD)

Current position: Senior Resident in Surgery, Penn State Hershey College of Medicine and Penn State Health, Hershey Pennsylvania

2024             Laura Newton MD     Dartmouth Health Geisel Sch. Medicine     Resident Research Fellow, Dept. of Surgery and VA Chief Resident Quality Scholar.

#### **E. Other: Post-Doctoral research Associates/Individuals in transition to Graduate Studies or Medical School**

<b>Dates</b>	<b>Name</b>	<b>Institution</b>	<b>Program</b>
1993-1995	<b>Audrey Gadacz Graham</b>	Smith College Thayer-Dartmouth Graduate Program	Am. Gastroenterol. Assoc. Research Student Research Fellowship

Current position: Breast Radology Practice, Lynchburg VA

1997-2000     **Marc A. Doble**     College of Holy Cross     Am. Gastroenterol. Assoc. and Crohn's; Colitis Foundation Student Research Fellowships

Current position: Vice President for Process Development, Amgen, Thousand Oaks California.

#### **XI. ADVISING/MENTORING (OTHER)**

<b>Dates</b>	<b>Name</b>	<b>Institution</b>	<b>Program</b>
1998-2001	<b>Aldebaran M. Hofer PhD</b>	West Roxbury VA Hospital	MERIT-II Award (Sponsor/Mentor)

Current position: Associate Professor (Dept. of Surgery), Harvard Medical School; Associate Chief of Staff Boston VHA, West Roxbury Campus.

2012-2013     **Matthew Z. Wilson MD**     Penn State Hershey College of Medicine     Resident Research Fellow, Department of Surgery, Masters Program in Public Health Sciences (co-mentor: Christopher Hollenbeak PhD)

Current position: Assistant Professor of Surgery, Geisel School of Medicine at Dartmouth Division of Colon and Rectal Surgery

2011-2013     **Gabor Mezei**     Penn State Hershey     Junior Faculty Development Program

**MD** College of Medicine (Program Advisor/Mentor)  
Dept. Obst/Gyn.

Current position: Maternal and Fetal Medicine, High Risk Pregnancy; Spokane Washington  
(St. Josephs health and Providence Health System)

2012-2013 **Matthew Kaag MD** Penn State Hershey Junior Faculty Development Program  
College of Medicine (Program Advisor/Mentor)  
Division Urology

Current position: Associate Professor of Surgery (Urology) Penn State College of Medicine,  
Hershey Pennsylvania

2013-2014 **Eugene Won** Penn State Hershey No formal program  
College of Medicine

Current position: Clinical Resident/Fellow in Cariothoracic Surgery, RWJ St. Barnabas Health  
System and Rutgers University

2014-2015 **Hyunmin Kim MD** Penn State Hershey Junior Faculty Development Program  
College of Medicine (Program Advisor/Mentor)  
Dept. Orthopedic  
Surgery

Current position: Associate Professor of Orthopedic Surgery, Penn State College of  
MedicineHershey Pennsylvania

2018-2020 **Paddy Ssentongo MD MPH** Penn State Hershey Graduate Program in Public Health  
College of Medicine Sciences (Epidemiology; PhD 2021)  
Depts. Surgery, Faculty Mentoring/Advising  
Public Health Sciences

Current position: Assistant Professor (Research), Department of Engineering Science and  
Mechanics, Penn State University, University Park Pennsylvania

## XII. ENGAGEMENT, COMMUNITY SERVICE/EDUCATION

<u>DATES</u>	<u>NAME OF COURSE/ACTIVITY</u>	<u>ROLE</u>	<u>FREQUENCY</u>	<u>HOURS</u>
1995	New England Chapter of Crohn's and Colitis Foundation 4th Annual Inflammatory Bowel Disease Symposium "Advances in surgical therapy of IBD"	Speaker	Annual	3
1996	New England Chapter of Crohn's and Colitis	Speaker	Annual	3

	Foundation 4th Annual Inflammatory Bowel Disease Symposium <i>"Advances in surgical therapy of IBD"</i>			
2018	Tower Health Community Health Symposium: "The Peri-operative Surgical Home"	Speaker	Annual	3
2023	Upper Valley Jewish Community "Medical Rounds with Maimonides"	Speaker	Once	1

**XIII. Research Activities (reverse chronological order)**  
**CURRENT FUNDING**

Dates	Agency Award Number	Award Title	Role	ADCs
2024-2025	Veterans Administration Office of Rural Health	Make or Buy: Orthopedic Surgery in a rurally located Level 2 VA facility	Principal investigator	\$331,000

**PAST FUNDING**  
**A. SPONSORED RESEARCH**

Dates	Agency Award Number	Award Title	Role	ADCs
Oct 2024-Sep 2025	VA Office of Rural Health	Consequences and Costs of Interrupting Orthopedic Surgery Programs at a Rural VA Facility	Principal Investigator	\$331,000
2015-2017	Penn State CTSI Pilot-Feasibility Award	Hyperglycemia and impaired Healing in medically complex surgical patients	Co-Principal investigator with Christopher Engeleand PhD and Gregory Shearer PhD (3% effort)	\$30,000
2013-2015	Barsumian Trust	Enhancing Patient Resilience during Multimodal Therapy for Bladder Cancer	Collaborator/Faculty Mentor; Principal Investigator Matthew Kaag, MD	\$25,000

			(no effort assigned)	
2012-2014	PA Tobacco Settlement Fund	Perioperative Circulating Tumor Cell Detection in Stage IV Colorectal	Co-Investigator; Principal Investigator: Wafik El-Deiry MD, PhD (3% effort)	\$25,000
2004-2009	NIH-NIDMS	Specialized Center for Oral Inflammation and Resolution	Project 3 co-Investigator (Sean Colgan PhD Project 3 PI) and Center Steering Committee (5% effort)	\$1,125,000
2011-2012	NIH-NIGMS T32 GM064332-10	Training Program in Trauma and Organ Injury	Co-Investigator 5% effort; (PI Charles Lang PhD)	\$111,091
2007	NIH-NIDDK RO1 DK069929 02S1	Gastric Injury in Trauma and Surgical Sepsis (equipment supplement)	Principal Investigator (extra effort not assigned)	\$25,623
2008-2013	NIH-NIDDK T32 DK007754-(11-15)	Research Training in Alimentary Tract Surgery (Institutional NRSA, Minority Supplement)	Co- Investigator (5% effort); Principal Investigator: Richard A Hodin, MD	\$212,000
2005-2010 (no cost extension to June 2011)	NIH-NIDDK RO1 DK069929 01-05	Gastric Injury in Trauma and Surgical Sepsis	Principal Investigator (30% effort)	\$175,000
2003-2008	NIH-NIDDK T32 DK007754-07S1	Research Training in Alimentary Tract Surgery (Institutional NRSA, Minority Supplement)	Principal Investigator (extra effort not assigned)	\$51,878
2003-2008	NIH-NIDDK T32 DK007754-06A1-10	Research Training in Alimentary Tract Surgery (Institutional NRSA)	Principal Investigator (10% effort)	\$182,000 (average)
1997-2002	NIH-NIDDK T32 DK007754 (01-05)	Research Training in Alimentary Tract Surgery (Institutional NRSA)	Principal Investigator (10% effort)	\$238,969
1997-2002	NIH-NIDDK RO1 DK044571 (06-11)	H+ Neutralization and Cl- Homeostasis in Gastric Mucosa	Principal Investigator (30% effort)	\$150,000 (modular award)
1992-1997	NIH-NIDDK R29 DK044571 (01-05)	Acid Neutralization and Disposal in Gastric Epithelium	Principal Investigator (50% effort)	\$111,191

1993-1995	NIH-NIDDK P30 DK034854	Pilot/Feasibility Award: Interactions of Oxyntic Glands and Gastric Surface Cells	Project leader (PI: William Silen MD) (10% effort)	15,000\$
1992-1993	NIH-NIDDK T32 DK007259	Transport Processes in Biological Systems (Institutional NRSA)	Collaborator/ Preceptor (no effort assigned)	\$106,116
1991-1993	Dept. of Veterans Affairs, Research Activities Group (RRAG) Award	Barrier Functions of Gastric Surface Epithelium	Principal Investigator (25% effort)	\$34,000
1990-1991	Yale Univ. Sch. Med-BRSG New Faculty Fund	Intracellular Ion Activities in Necturus Antral Mucosa	Principal Investigator (no effort assigned)	\$8,500
1987-1989	Mallinkrodt Foundation of St. Louis	Percutaneous Approaches to Gallstone Disease	Co-I no effort assigned (PI: Samuel A. Wells Jr., MD)	\$25,000
1984-1987	NIH-NIDDK F32 DK 007511	Surface Immuno- fluorescence of Pancreatic Islet Cells Individual NRSA)	Principal Investigator (100% effort)	\$26,004

**B. Pending Submissions:**

**C. Clinical Faculty Activities Receiving Protected Time (without sponsorship)**

None

**XIV. PROGRAM DEVELOPMENT**

**1. Title: Research Training in Alimentary Tract Surgery**

Type: Education

Mission: Training of surgical residents in laboratory research focusing on surgical illness and operations in the Alimentary Tract

Role: Principal Investigator and Program Chair (1996-2008); Co-PI and Associate Program Leader (2008-2011)

Cohort: Surgical Residents from Harvard-affiliated adult hospital residencies in surgery (BWH, BIDMC, MGH) and other accredited surgical residencies in the U.S.

Assessments: number of individuals obtaining sustained academic appointments and sponsored funding; longevity of the program (funding continues to present day with successor).

**XV. ENTREPRENEURSHIP/PATENTS**

Issued 10/02/01      Letters Patent Number 6,296, 833

"Human Calcium-sensing receptor in the Detection and Treatment of cancer" (Co-discoverer with Edward M. Brown, M.D.)

## **XVI. COMMITTEE ASSIGNMENTS**

### **A. Institutional Committee Assignments:**

1978-1980	Member, Curriculum Committee University of Chicago School of Medicine
1987-1990	Member, Transfusion/Blood Products Use Committee Barnes Hospital
1988-1989	Member, Ad hoc Committee to Evaluate O.R. Use Barnes Hospital
1991-1992	Chairman, Surgical Case Review Committee West Haven VAMC
1991-1992	Member, Animal Use and Studies Committee West Haven VAMC
1991-1992	Member, Student Thesis Committee Yale University School of Medicine
1991-1992	Member, Dean's Advisory Curriculum Committee Digestive Disease Section Yale University School of Medicine
1993- 1994	Member, Ad Hoc Committee to investigate H <sub>2</sub> receptor blocker usage. Brigham and Women's Hospital
1993-1996	Member BWH Medical Education and Management Committee
1994-	Member Harvard Medical School, Surgical Clerkship Directors Committee
1994- 97	Member, Harvard Medical School, Committee on Years III and IV
1995- 97	Member, Harvard Medical School: Ad Hoc Committee to Evaluate Palm- Top Computers for Clerkships
1995-2011	Member, BWH Dept. of Surgery Education Committee
1996	Member, Harvard Medical School Ad Hoc Committee to study faculty compensation for teaching
1996-2000	Member, Boston V.A. Healthcare System Cancer Committee
1996-2000	Member, V.A. VISN I Utilization/Quality Management Working Group
1996-2001	Co-Chair, West Roxbury VAMC, Dept. of Surgery, Executive Committee
1997-2001	Member, West Roxbury VAMC, Research Space Allocation Committee
1997-1998	Member, HMS <i>ad hoc</i> Committee to study faculty expectations of pre- clinical preparation of students for clinical clerkships
1997-1998	Member, West Roxbury VAMC, Medical Records Committee
1997-1999	Member, West Roxbury VAMC, Operative and Invasive Procedures Committee
1998-2000	Member, West Roxbury VAMC, Professional Standards/CEB
1999	Member, New England Network Ad Hoc Committee to study VERA allocations
2000	Member, HMS Organizing Task Force, Academy Project
2000-01	member, Boston VA Healthcare System task force on Nursing retention/ recruitment

2001-2011	Chair, Brigham and Women's Hospital Dept. of Surgery Research Committee
2001-2002	Chair, BWH Dept. of Surgery Ad-hoc Committee on Student Clerkships
2001-2005	Member, Joint Library Committee for the Countway Library of Medicine
2001-2002	Chair, HMS Academy "BlueSky" Task force on Clinical Education
2002-2011	Member, Research Council, Brigham and Women's Hospital
2003-2006	Member, 2003-2006 Executive Committee on Space (ECOS), Brigham and Women's Hospital (Research Council Representative)
2005-2009	Member, Research Oversight Committee Brigham and Women's Hospital
2007-2011	Member, BWH ROC Awards Review Committee
2007-2011	Member, BWH ROC Bridge Funds Review Committee
2009-2011	Member, Faculty Council Harvard Medical School
2009-2011	Member, BWH Tissue Committee
2010-2011	Member, BWH Strategic Planning Committee; Research and Education
2011-2020	Member, Penn State Hershey College of Medicine, Awards Review Committee
2011-2020	Member, Penn State Hershey College of Medicine, Research Vice-Chairs Council
2011-2014	Member Penn State Center for Health Care and Policy Research Advisory Committee
2011-2020	Member, PSHMC Dept of Surgery, Executive Committee
2012-2019	Member, Penn State Hershey Cancer Center, American Cancer Society Institutional Research Grants Review Committee
2013	Member, PSHMC Dept. of Surgery, Clinic Quality Improvement
2013	Member, PSHMC Institutional Search Committee, Cancer Center Director
2013	Member, PSU Dept. of Nutrition Sciences Search Committee, Faculty Position in Inflammation and Biomarkers
2013	Chair, PSHMC, Dept. of Surgery, Search Committees for new faculty in Melanoma, Breast and HPBF malignancies
2015-2017	PSHMC Finance Committee
2015-2020	Member, PSHCOM Faculty Mentoring Committee
2015-2017	Member, PSHMC Business Team
2016	Member, Search Committee for Chief Informatics Officer, PSHMC
2016	Member, PSHMC Search Committee for Division Chief in Gastroenterology
2016-7	Member, PSHCOM Special Committee for Faculty Mentoring
2017-2019	Member, PSHCOM Special Committee on Tracks for Physician Scientists
2017	Member, PSHCOM Internal Review PSH Cancer Institute Melanoma Program
2017-20	Member, PSHCOM Promotion Committee (non-tenure track faculty)
2019- 20	Co-Chair, Data Safety Monitoring Committee, Penn State Cancer Institute
2020-	Member, Professional Standards Board, White River Junction VA
2020-	Member, Clinical Executive Board, White River Junction VA
2020-	Member, VISN-1 Surgery Chiefs Council (New England Network)
2020-	Member, Scarce Resource Ethics Allocation Committee, White River Junction VA

## **B. National Academic and Professional Society Assignments/Appointments:**

1993-1995	Member, Association for Academic Surgery, Program Committee
1994-1997	Member, Veterans Administration Merit Review Board member (Surgery Review Group)
1995-1997	AGA Abstract Review (Mucosal Defense) for Digestive Diseases Week
1996	NIDDK Study Section, "Surgery B, Surg and Bioengineering" Ad hoc
1995-2003	Association for Academic Surgery, Executive Council Member
1996-1998	Society of University Surgeons: Chair, Program Committee
1996-2000	Society of University Surgeons, Executive Council
1996	Chair, AGA Abstract Review (Mucosal Defense) Committee for DDW
1997-2002	Consultant, American Board of Surgery
1996-1998	Assoc for Academic Surgery. Recorder and Chairman, Program Committee
1998-1999	Member, AGA Abstract Review (Intestinal function) for Digestive Diseases Week
1998-1999	President-Elect, Association for Academic Surgery
1999-2000	President, Association for Academic Surgery
1999-00	<i>ad hoc</i> Member, Veterans Administration Merit Review Board (Gastroenterology)
2003-2007	Member, Society for Surgery of the Alimentary Tract, Education Committee
2004-2007	Member, NIH CSR Advisory Committee
2007- 2010	Member, American College of Surgeons Scholarships Committee
2010	Reviewer, American College of Surgeons Abstract Review Committee (Papers Sessions)
2010-2012	Member, Society for Surgery of the Alimentary Tract, Nominations Committee
2008 (Nov)	Associate Examiner, American Board of Surgery (Boston MA)
2009 (Nov)	Associate Examiner American Board of Surgery (Providence RI)
2012-2018	Chair, Fundraising Committee International Society of Zinc Biology
2013, 2014	<i>ad hoc</i> Member, NIH SBIB Y12 Study Section ZRG1
2015 (Oct)	Invited Reviewer, NIH Study Section Surgery and Bioengineering
2015-(Nov)	Associate Examiner, American Board of Surgery (Philadelphia, PA)
2016 (May)	Associate Examiner, American Board of Surgery (Philadelphia, PA)
2013-2019	International Society of Zinc Biology (Treasurer, two terms)
2022 (July)	Member, Special Study Section, Cooperative Studies Program, Department of Veterans Affairs

## **XVII. INSTITUTIONAL CENTER/PROGRAM AFFILIATIONS**

N/A

## **XVIII. EDITORIAL BOARDS**

1995-1999	Contributor, Selected Summaries Section of Gastroenterology
1996-2004	Journal of Surgical Research

1996-2004	Surgery
2008-	UpToDate Surgery, Editor in Chief
2009-	UpToDate Surgery, Section Editor (Upper GI Tract)
2011-	Journal of Gastrointestinal Surgery
2019-	Annals of Surgery

**XIX. JOURNAL REFEREE ACTIVITIES (all refer to invited manuscript review, approximate years active) \*<3 invitations \*\*ongoing, sporadic, invitations for review \*\*\*ongoing and frequent (>5 year) invitations for review of manuscripts**

- \*\* American Journal of Physiology- GI and Liver Physiology (1988-2010)
- \*\* American Journal of Physiology- Cell Physiology (1993-2011)
- \* American Journal of Surgery 1994
- \*\*\* Annals of Surgery (1995- present)
- \* Biological Trace Element Research (2010-2013)
- \*\* British Journal of Surgery (1995-2011)
- \* Current Problems in Surgery (1989-190)
- \*\* Digestive Diseases and Sciences (2000-2010)
- \*\* Gastroenterology (1992-2005)
- \* Journal of Biological Chemistry
- \* Journal of Cell Physiology
- \* Journal of Cellular and Molecular Medicine
- \*\*\* Journal of Gastrointestinal Surgery (1997-present)
- \*\*\* Journal of Surgical Research (1992-2003)
- \*\* International Journal of Surgery (2000-present)
- \* New England Journal of Medicine (early 2000s)
- \* PLoS One (2011-2015)
- \* Proceedings of the National Academy of Sciences
- \* Shock
- \*\*\* Surgery (1993-present)
- \*\* World Journal of Surgery (1989-2000)
- \* Journal of Cellular and Molecular Medicine (2012)
- \* Biometals (2014)
- \* Journal of Trace Elements in Medicine and Biology (2014)
- \* AHRQ Effective Health Care Program (2015)

**XX. ACADEMIC HONORS/AWARDS/FELLOWSHIPS:**

1982	Catherine Dobson Award for Research University of Chicago Pritzker School of Medicine
1990	Alpha Omega Alpha, Washington University School of Medicine
1992	Am. Physiol. Society Travel Award
1992	Fellow, Berkeley College, Yale University
1996	Faculty Award for Excellence in Teaching, Harvard Medical School
1996	Fellow, American College of Surgeons

1996	Aesculapian Club, Harvard Medical School
2001	V.A. Boston Healthcare System Service Award
2002	Appointed to Academy of Scholars, Harvard Medical School
2004	Faculty Award for Excellence in Teaching, Harvard Medical School
2004	Association for Surgical Education, Outstanding Teacher of the Year
2005	A.M. (Hon.) Harvard University
2008	BWH Dept of Surgery Award for Medical Student Teaching
2009	BWH Dept of Surgery Award for Medical Student Teaching
2010	BWH Dept of Surgery Award for Medical Student Teaching
2017	Best Doctors in America®
2018	Penn State Hershey College of Medicine Dean's Award for Excellence in Teaching

## XXI. INVITED PRESENTATIONS

(note: All of the presentations resulted from personal invitation. Not included below are presentations invited as a result of abstract submission; these have not been tracked at the other institutions in which I have held appointments. I apologize for not being able to provide this information).

### A. International

- \*^1994      *"Occult and Obscure Sources of Gastrointestinal Bleeding"*  
American College of Surgeons Postgraduate Course on Gastrointestinal Disease,  
Annual Meeting, Chicago, IL
  
- \*^2001      *"Evolving concepts in managing Acute Appendicitis"*  
American College of Surgeons Post-graduate Course, Annual Meeting, New  
Orleans, LA.
  
- \*2006      "Zinc as a signal of oxidative stress in Gastrointestinal Epithelia"  
Sixth International Zinc Signaling Conference, Siena, Italy
  
- \*^2006      "Simulation in Gastrointestinal Surgery"  
Society for Surgery of the Alimentary Tract Annual Meeting, Chicago, IL  
Committee on Education Symposium  
Moderator and Presenter
  
- \*^2007      "Upper Gastrointestinal Bleeding"  
American College of Surgeons Clinical Congress, New Orleans, LA  
Symposium Moderator and Presenter
  
- \*2009      *"Clinical aspects of Zn<sup>2+</sup> signaling"* (symposium organizer)  
*"Transport of Zn<sup>2+</sup> and acidity regulation in gastric mucosa"* (presentation)  
Seventh International Zinc Signaling Conference, Jerusalem, Israel  
(International Society for Zinc Biology)
  
- \*2010      *"Demand for Zn<sup>2+</sup> in an acid secreting epithelium"*  
FASEB SUMMER CONFERENCE: TRACE METALS IN BIOLOGY AND MEDICINE

Snowmass CO

- \*2012 *"Cellular demand for extracellular Zn<sup>2+</sup>: how much like a macrophage is the stomach, and what does zinc have to do with it?"* (invited presentation)  
Eighth International Zinc Signaling Conference, Melbourne, Australia  
(International Society for Zinc Biology)
  
- \*2012 *"Zn<sup>2+</sup> Demand and Distress in Surgical Illness and Recovery"*  
FASEB SUMMER CONFERENCE: TRACE METALS IN BIOLOGY AND MEDICINE  
Steamboat Springs CO June 2012
  
- \*2016 *"Stress-hyperglycemia after major abdominal operations"*  
*"Outcomes of major abdominal operations: considerations of volume-outcome and cost-effectiveness"*  
Invited Visiting Lecturer, University of Western Australia and the Perkins Institute  
Perth, Australia
  
- \*2018 *"A surprising role for SLC30A8/ZnT8 in Macrophage Function"*  
Dozor Visiting Lecture, Faculty of Health Sciences, Ben-Gurion University of the  
Negev, Beer Sheva, Israel
  
- \*2019 *"A novel role for Zinc Transporter SLC30A8/ZnT8 in macrophage function"*  
Eleventh International Zinc Signaling Conference, Kyoto, Japan  
(International Society for Zinc Biology)

#### **B. National**

- \*1991 Lecture: *"Gastric Mucosal Barrier and Peptic Ulcer Disease"*  
Annual Boston Surgical Basic Science Course, Boston MA
  
- \*1993 Lecture *"Characteristics of Bicarbonate Secretion by Duodenal Mucosa"*  
Annual Meeting, Society of Clinical Surgery Traveling Association  
Boston, MA (sponsored by Brigham and Women's Hospital)
  
- \*1993 Lecture *"Research Techniques in Gastrointestinal Diseases"*  
Association for Academic Surgery: Fundamentals of Surgical Investigation Course  
Durham, NC
  
- \*^1995 Lecture *"Abdominal Infections: diverticulitis, appendicitis, cholecystitis"*  
BWH Division of Infectious Diseases and Harvard Medical School Post-graduate  
course in Infectious Diseases for the Primary Practitioner. Boston, MA
  
- \*1999 Lecture *"Writing a competitive abstract"*  
Workshop: "Writing grants, abstracts, and manuscripts"  
Association for Academic Surgery: Fundamentals of Surgical Investigation Course.  
Los Angeles, CA

- \*1998 Moderator Mock Study Section *"Gastrointestinal diseases"*  
American College of Surgeons Workshop on Grantsmanship  
Bethesda, MD
  
- \*2000 Lecture *"Surveying the scientific literature"*  
Association for Academic Surgery: Fundamentals of Surgical Investigation Course.  
Tampa, FL
  
- \*2000 Moderator Mock Study Section *"Gastrointestinal diseases"*  
American College of Surgeons Workshop on Grantsmanship  
Bethesda, MD
  
- \*^2001 Presentation: *"Surgical Clerkships in the New Millenium"*  
Millenium Workshop on Medical Education (sponsor Harvard Macy Program)  
Babson College Needham, MA.
  
- \*2001 Presentation: *"Introduction to the AAS Course on Fundamentals of Surgical Investigation"* Chicago, IL
  
- \*2001 Lecture *"Surveying the scientific literature"*  
Association for Academic Surgery: Fundamentals of Surgical Investigation  
Chicago, IL  
Course Director and Lecturer
  
- \*2002 Lecture: *"Alternate Sources of Funding"*  
Moderator Workshop on Mock Study Section *"Gastrointestinal Diseases"*  
American College of Surgeons Workshop on Grantsmanship Bethesda, MD
  
- \*^2002 Presentation *"Progress at Harvard Medical School in curriculum reform: the Blue-Sky Committee's Recommendations"* Sponsored by the Harvard Macy Program  
2nd Millenium Workshop on Medical Education, Babson College, Needham MA.
  
- \*2002 *"Making a career in Academic Surgery: triple threat or single torpedo?"*  
Association for Academic Surgery: Career Development workshop for Junior Faculty. Houston, TX
  
- \*2017 *"The 1990s and the AAS"*. Invited Lecture and Panel Discussion  
Association for Academic Surgery, Las Vegas NV.

### C. Regional/local

(where similar talk was provided with same title, locations and institutions are listed under the title)

- \*^1991 "Management of Upper GI Bleeding"  
St. Mary's Hospital, Waterbury, CT
- \*^1991 "Management of Upper GI Bleeding"  
Bridgeport Hospital, Bridgeport, CT
- \*^1992 Grand Rounds: "*Stress Erosive Gastritis*"  
Brigham and Women's Hospital, Boston, MA
- \*^1992 "Stress Erosive Gastritis" (CME series Affiliates of Yale Univ. School of medicine)  
\*^Bridgeport Hospital, Bridgeport, CT  
\*^Lawrence Memorial Hospital, New London, CT  
\*^Seymour Hospital, Seymour, CT  
\*^Yale-New Haven Hospital, New Haven, CT
- \*^1993 "*Management of Non-Variceal Upper GI Hemorrhage*"  
Annual Cape Cod Conference (Barnstable, MA)  
Sponsored by Department of Surgery, Brigham and Women's Hospital
- \*^1993 "*Management of Non-Variceal Gastrointestinal Hemorrhage*"  
\*^ Beth Israel Hospital, Boston, MA  
\*^ Waltham-Weston Hospital, Waltham, MA  
\*^ Lowell General Hospital, Lowell, MA
- \*^1995 "*Management of Non-Variceal GI Hemorrhage*"  
\*^ St. Lukes Hospital, New Bedford, MA  
\*^Deaconess Hospital, Boston, MA
- 1995 Research Presentation "*H+ and Cl- balance in gastric parietal cells*"  
Massachusetts General Hospital, Division of Gastroenterology, Boston, MA
- \*^1995 "*Advances in surgical therapy of IBD*" New England Chapter of Crohn's and Colitis Foundation 4th Annual Inflammatory Bowel Disease Symposium, Waltham, MA.
- \*^1996 "*Advances in surgical therapy of IBD*" New England Chapter of Crohn's and Colitis Foundation 5th Annual Inflammatory Bowel Disease Symposium, Waltham, MA.
- \*^1996 "*Stress Erosive Gastritis: Medical and Surgical Considerations*"  
\*^St. Elizabeth's Hospital, Brighton, MA  
\*^Carney Hospital, Dorchester, MA
- \*1997 Research Presentation "*Regulation of H+ and Cl- homeostasis in gastric mucosa*"

- \*Department of Surgery and Harvard Digestive Diseases Center, Beth Israel-Deaconess Hospital, Boston, MA
- \* Gastroenterology Division, Brigham and Women's Hospital, Boston, MA
- \* Ohio State University Depts. of Pharmacology/Physiology

- \*^1997 *"Obstruction of the Small Intestine"*  
Quincy Hospital, Quincy, MA
- \*^1997 *"Management of non-variceal gastrointestinal hemorrhage"*  
Bay State Medical Center, Springfield, MA  
Brigham and Women's Hospital, Dept. of Surgery, Boston, MA  
Visiting Lecturer/Grand Rounds: University of Iowa Dept of Surgery, Iowa City, IA
- \*^2000 Grand Rounds: "The Surgical Clerkships at Harvard Medical School"  
Brigham and Women's Hospital, Boston, MA
- \*2001 Grand Rounds: *"Peptic ulcer disease: surgical considerations in the new millenium"*  
\*^Brigham and Women's Hospital, Boston, MA  
\*^Baystate Medical Center, Springfield, MA
- \*^2001 Visiting Professor/Grand Rounds: *"Acid-peptic Disease: physiology and surgical considerations."* Dartmouth Hitchcock Medical Center, Hanover, NH
- \*^2004 *"Updates on the HMS Surgical Clerkship at Brigham and Women's Hospital"*  
Department of Surgery, Brigham and Women's Hospital, Boston, MA
- \*2005 *"Calcium Receptor and pathophysiology of cellular injury in gastrointestinal epithelia"* Division of Gastroenterology, Brigham and Women's Hospital, Boston, MA
- \*2007 *"Zinc and acidity regulation in gastric mucosa"*  
Division of Gastroenterology, Brigham and Women's Hospital, Boston, MA
- \*^2007 "Acute Abdominal Pain"  
Leonard Morse Hospital, Dept. of Surgery, Natick MA
- \*^2009 Visiting Professor/Grand Rounds: "The Achlorydric Stomach"  
Research Presentation; "Zinc and acidity regulation in the gastric parietal cell"  
University of Chicago, Departments of Surgery and Medicine (Gastroenterology)  
Chicago, IL
- \*^2010 *"The Achlorydric Stomach"*  
\*^Brigham and Women's Hospital, Dept. of Surgery, Boston, MA  
\*^Bay State Medical Center, Springfield, MA  
\*^Framingham MetroWest Medical Center, Natick-Framingham, MA

- \*^2010 "The Achlorhydric Stomach"  
Pennsylvania State University School of Medicine  
Hershey, PA
- \*2011 *"Allostatic stress and getting well after Major Abdominal Operations"*  
Department of Nutrition, Penn State University-University Park, PA
- \*2011 "Zinc as substrate, signal, and stressor in gastrointestinal epithelia"  
Department of Cellular & Molecular Physiology, Penn State Hershey College of  
Medicine, Hershey, PA
- \*^2012 David L. Nahrwold Endowed Professorship Installation "Getting well after major  
abdominal operations". Department of Surgery, Penn State Hershey College of  
Medicine, Hershey, PA
- \*2014 Research Colloquium: "Zinc as substrate, signal, and stressor in gastrointestinal  
epithelia" University of Pittsburgh, Department of Surgery, Pittsburgh PA
- \*2015 Research Colloquium: "Micronutrient distress and getting well after major  
abdominal operations" Northwestern University, Chemistry of Life Symposium,  
Evanston, IL.
- \*^2016 Grand Rounds: "Hyperglycemia following major operations"  
Department of Surgery, Penn State Hershey College of Medicine  
Hershey, PA
- \*2016 *"A novel role for Zinc Transporter SLC30A8/ZnT8 in macrophage function"*  
Department of Cellular & Molecular Physiology, Penn State Hershey College of  
Medicine, Hershey, PA
- \*^2018 *"The peri-operative surgical home"*  
Tower Health, Reading PA
- \*2023 Hernias in Women  
Department of Obstetrics and Gynecology, Dartmouth Health, Lebanon NH.
- \*2025 Connecting Poetry and Biology in the Surgical Patient: from A (Auden) to Z (Zinc).  
Department of Surgery, Dartmouth Health , Lebanon NH.

## Bibliography:

### Most significant publications:

Cheng I, Chattopadhyay N, Butters R, Cima RR, Rogers KV, Hall AE, Hebert SC, Brown EM, **Soybel DI**. Expression of an extracellular calcium-sensing receptor in rat stomach. **Gastroenterology** 1999; 116: 118-126. PMID: 9869609

Hofer, AM, Curci, S, Doble, MA, Brown, EM, **Soybel, DI**. Intercellular communication mediated by extracellular Ca<sup>2+</sup> receptor. **Nature-Cell Biology** 2000; 2:392--398. PMID: 10878803. Commentary by Thomas AP. *Nature Cell Biology* 2, E126-E127 (2000)

Cima, RR, Dubach, JM, Wieland, AM, Walsh, BM, and **Soybel, DI**. Intracellular Ca<sup>2+</sup> and Zn<sup>2+</sup> Signals During Monochloramine-Induced Oxidative Stress in Isolated Rat Colon Crypts **American Journal of Physiology-Gastrointestinal and Liver Physiology** 2006; 290: G250-G261. PMID: 16002562

Brunke-Reese D, Ssentongo P, Ssentongo A, Phillips BE, Alam S, Pauli EM, Berg A, Kelleher SL, **Soybel DI**. The Role of Genetic Variant rs13266634 in SLC30A8/ZnT8 in Post-Operative Hyperglycemia After Major Abdominal Surgery. **Journal of Clinical Endocrinology and Metabolism** 2019; 104: 3877-3892. PMID: 31220282

Ding W, Rivera O, Kelleher SL, **Soybel DI**. Macrolets: Outsized Extracellular Vesicles Released from Lipopolysaccharide-Stimulated Macrophages that Trap and Kill Escherichia coli. **iScience**, 2020; (ePub May 18).

### Original Manuscripts:

1. **Soybel D**, Morgan J, Cohen L. Calcium augmentation of enzyme leakage from mouse skeletal muscle and its possible site of action. **Research Communications in Chemical Pathology and Pharmacology** 1978; 20:317-329. PMID: 674818
2. **Soybel D**, Jaspan J, Polonsky K, Goldberg I, Rayfield E, Tager H. Differential immunoreactivity of plasma glucagon components in man. **Journal of Clinical Endocrinology and Metabolism** 1983; 56:612-8. PMID: 6185527
3. Ashley SW, **Soybel DI**, Yan ZY, Cheung, LY. Endoscopic measurements of gastric mucosal blood flow in dogs. **Journal of Surgical Research** 1985;38: 416-423. PMID: 3990270
4. Ashley SW, **Soybel DI**, Cheung, LY. Microelectrode studies of Necturus antral mucosa: equivalent circuit analysis. **American Journal of Physiology** 1985; 248 G574-G579. PMID: 3993785
5. Ashley SW, **Soybel DI**, Cheung LY. Effect of 16, 16-dimethyl prostaglandin E<sub>2</sub> on gastric epithelial cell membrane potentials and resistances. **Surgery** 1985; 98:166-173. PMID: 4023917

6. **Soybel DI**, Ashley SW, Yan, ZY, Cheung LY. Comparison of gastric mucosal blood flow as measured by H<sub>2</sub> gas clearance and microspheres during secretory stimulation and inhibition. **Surgery** 1985; 98:174-182. PMID: 4023918
7. Ashley SW, **Soybel DI**, Cheung LY. Measurements of intracellular pH in Necturus antral mucosa by microelectrode technique. **American Journal of Physiology** 1986; 250:G625-G632. PMID: 3085517
8. **Soybel DI**, Ashley SW, Yan ZY, Swarm RA, Cheung, LY. Regional gastric mucosal blood flow following parietal cell vagotomy in dogs. **Surgery** 1986; 100:167-174. PMID: 3738748
9. **Soybel DI**, Ashley SW, Moore, CD, Cheung LY. Effects of luminal salt concentration on electrical pathways in Necturus antrum. **American Journal of Physiology** 1987; 252:G19-G27. PMID: 3812685
10. **Soybel DI**, Wan YL, Ashley SW, Yan ZY, Cheung, LY. Endoscopic measurements of colonic mucosal blood flow in dogs using hydrogen gas clearance. **Gastroenterology** 1987; 92:1045-1050. PMID: 3556985
11. Ashley SW, **Soybel DI**, Moore CD, Cheung, LY. Intracellular pH (pHi) in gastric surface epithelium is more susceptible to serosal than mucosal acidification. **Surgery** 1987; 102:371-379. PMID: 3039678
12. Swarm RA, Ashley SW, **Soybel, DI**, Ordway FS, Cheung, LY. Protective effect of exogenous phospholipid on aspirin-induced gastric mucosal injury. **American Journal of Surgery** 1987; 153:48-53. PMID: 3799892
13. **Soybel DI**, Ashley SW, DeSchryver K, Cheung, LY. Effects of luminal hyperosmolality on cellular and paracellular pathways of ion permeation in Necturus antrum. **Gastroenterology** 1987; 93: 456-465. PMID: 3609656
14. **Soybel DI**, Ashley SW, Cheung, LY. Effects of platelet-activating factor (PAF) on canine gastric mucosal blood flow and permeability to luminal acid. **American Journal of Surgery** 1988; 155:180-185. PMID: 3341532
15. Parodi J, Becker J, **Soybel D**, Barrus B, Christian P. Post prandial sphincter of Oddi myoelectric activity and gallbladder emptying. **Journal of Surgical Research** 1988; 44:596-602. PMID: 3374123
16. **Soybel DI**, Kestenberga A, Brunt EM, Becker JM. Gastrocolic fistula as a complication of benign gastric ulcer. **British Journal of Surgery** 1989; 76:1298-1300. PMID: 2691014
17. Ashley SW, **Soybel DI**, Moore CD, Cheung LY. Effect of aspirin and acetic acid on intracellular pH in Necturus gastric mucosa. **American Journal of Surgery** 1989; 157:66-73. PMID: 2910129

18. Rutten MJ, Delcore R., **Soybel, DI**, Moore CD, Cheung LY. Effects of cations and pH on apical membrane potential of in vitro Necturus antrum. **American Journal of Physiology** 1989; 256: G798-G807. PMID: 2539740
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