

**UTMB CURRICULUM VITAE**

**NAME:** Danny O. Jacobs, M.D., M.P.H., F.A.C.S.

**PRESENT POSITION:** Executive Vice President, Provost and  
Dean, School of Medicine  
The University of Texas Medical Branch  
301 University Boulevard

**EDUCATION:**

07/1975 A.B., Biology, Harvard University, Boston, MA

06/1979 M.D., Washington University, St. Louis, MO

07/1979 – 06/1980 Intern in Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA

07/1980 – 06/1985 Resident, General Surgery, Hospital of the University of Pennsylvania,  
Philadelphia, PA

07/1982 – 06/1984 Fellow in Nutrition and Metabolism, Harrison Department of Surgical  
Research, Hospital of the University of Pennsylvania, Philadelphia, PA

07/1985 – 06/1986 Chief Resident, General Surgery, Hospital of the University of Pennsylvania,  
Philadelphia, PA

07/1986 – 06/1988 Research Fellow in Surgical Nutrition and Metabolism, Department of Surgery,  
Harvard Medical School, Brigham and Women's Hospital, Boston, MA

06/1989 M.P.H., Harvard University, School of Public Health, Boston, MA

**BOARD CERTIFICATION:**

American Board of Surgery – March 2008  
National Board of Nutrition Support – 04/30/03

**LICENSURE INFORMATION:**

Pennsylvania – 1980  
Massachusetts – 1987  
Nebraska – 2000  
Iowa – 2002  
North Carolina – 2003  
Texas – 2016

**PROFESSIONAL WORK HISTORY AND TEACHING EXPERIENCE:** (academic; non-academic)

**Current University Appointments:**

10/2012 – Present     Professor with tenure  
Institute for Translational Sciences  
The University of Texas Medical Branch  
Galveston, TX

10/2012 – Present     Professor with tenure  
Department of Preventive Medicine & Community Health  
The University of Texas Medical Branch  
Galveston, TX

10/2012 – Present     Professor with tenure  
Department of Surgery  
The University of Texas Medical Branch  
Galveston, TX

08/2015 – 10/2016     *Interim* Executive Director  
Coordinating Center for Global Health  
The University of Texas Medical Branch  
Galveston, TX

11/2016 – Present     Institutional Official for the Animal Care and Use program  
The University of Texas Medical Branch  
Galveston, TX

**Universities:**

07/1980 – 06/1985     Assistant Instructor of Surgery, University of Pennsylvania School of  
Medicine Philadelphia, PA

07/1985 – 06/1986     Instructor of Surgery, University of Pennsylvania School of Medicine,  
Philadelphia, PA

07/1986 – 06/1988	Research Fellow in Surgery, Harvard Medical School, Boston, MA
07/1989 – 12/1992	Assistant Professor of Surgery, Harvard Medical School, Boston, MA
01/1993 – 01/1999	Associate Professor of Surgery, Harvard Medical School, Boston, MA
04/2000 – 01/2003	Professor and Chair, Department of Surgery, Creighton University, School of Medicine, Omaha, NE
04/2001 – 01/2003	First Arnold W. Lempka Distinguished Professor of Surgery. Creighton University School of Medicine, Omaha, NE
02/2003 – 09/2012	Chair, Department of Surgery, Duke University Medical Center, Durham, NC
10/2007 – 09/2012	David C. Sabiston, Jr., Professor, Department of Surgery, Duke University Medical Center, Durham, NC
10/2012 – Present	Executive Vice President, Provost and Dean, School of Medicine The University of Texas Medical Branch, Galveston, TX
10/2012 – Present	Thomas N. & Gleaves T. James Distinguished Chair, The University of Texas Medical Branch, Galveston, TX
10/2012 – Present	Professor with tenure, Institute for Translational Sciences, The University of Texas Medical Branch, Galveston, TX
10/2012 – Present	Professor with tenure, Department of Preventive Medicine & Community Health, The University of Texas Medical Branch, Galveston, TX
10/2012 – Present	Professor with tenure, Department of Surgery The University of Texas Medical Branch Galveston, TX
09/2013 – Present	Senior Fellow Sealy Center on Aging The University of Texas Medical Branch Galveston, TX

**Hospitals:**

07/1992 – 06/1995	Physician Member, Nutrition Support Service Brigham and Women's Hospital Boston, MA
07/1995 – 06/1998	Associate Program Director, Clinical Research Center Brigham and Women's Hospital Boston, MA

07/1995 – 04/2000	Director, Metabolic Support Service Brigham and Women's Hospital Boston, MA
07/1995 – 04/2000	Director, Laboratory for Surgical Metabolism and Nutrition Brigham and Women's Hospital Boston, MA
07/1998 – 04/2000	Scientific Advisory Committee, General Clinical Research Center Brigham and Women's Hospital Boston, MA
04/2000 – 01/2003	Director, Surgical Unit Saint Joseph Hospital Omaha, NE
07/2001 – 01/2003	Director, Creighton University Biomedical Laboratories for Surgical Investigation Creighton University Omaha, NE
02/2003 – 09/2012	Attending Surgeon Durham Veteran's Administration Durham, NC
02/2003 – 09/2012	Chair Department of Surgery Duke University Medical Center

## RESEARCH ACTIVITIES

### Major Research Interests

1. The metabolic effects of malnutrition, stress, infection, and injury;
2. NMR applications in organ function and metabolism; and
3. Specific nutrients and growth factors in enteral and parenteral nutritional support.

### Extramural Funding

1989 – 1990	The Effects of Malnutrition and Refeeding on Skeletal Muscles High Energy Phosphate Metabolism ID 14462 Robert Wood Johnson Foundation Principal Investigator
1991 – 1992	The Effects of Malnutrition, Refeeding and Growth Hormone Administration on Skeletal Muscle High Energy Phosphate Metabolism ID 17594 Robert Wood Johnson Foundation Principal Investigator

1989 – 1994	Skeletal Muscle Energy Metabolism in Surgical Patients NIH/R29 Principal Investigator
1991 – 1994	Skeletal Muscle Energy Metabolism in Sepsis NIH/P50 Subproject Principal Investigator
1993 – 1995	The Effects of TGF- $\beta$ on the Intestine after Injury by 5-FU Oncogene Science, Inc. Co-Principal Investigator
1993 – 1998	Effectiveness of Growth Hormone in Short Bowel Patients FDA Principal Investigator
1995 – 1998	Regulation of Cellular Energetics During Critical Illness NIH/P50 Subproject Principal Investigator
1995 – 1998	Bioenergetics of Critical Illness Brigham and Women's Hospital
1996 – 2003	Research Training in Trauma and Critical Care NIH 5T32, GM07560 Participating Investigator
1998 – 2000	Laboratory for Surgical Metabolism and Nutrition Brigham Surgical Group Principal Investigator
1998 – 2000	98-7170 Randomized Placebo-Controlled Trial of MAK 195F in Sepsis with Hyperinflammatory Response Knoll Pharmaceuticals Co-Investigator
1998 – 2002	Training in Alimentary Surgery NIH/T32 DK07754 Participating Investigator
1998 – 2003	Regulation of Transcellular Sodium Gradient during Critical Illness: Role of Complement NIH/P50 Principal Investigator Project #3
1999 – 2001	Evaluation of Prealbumin as Index of Nutritional Status and the Effects of Nutritional Intervention Dade-Behring Co-Principal Investigator

2000 – 2001	Sterile Docking Device for Central Venous Catheter Hubs NIH Phase I SBIR grant Consultant
2000 – 2003	Creighton University Surgical Laboratories for Biomedical Investigation Creighton University, Health Futures Foundation Principal Investigator
2005 – 2007	Education and Training of Surgery Residents and Fellows US Surgical
2007 – 2010	Education and Training of Surgery Residents and Fellows Covidien
2013	Current Trauma and Inflammation Research Training Principal Investigator: Jorge E. Albina, MD Minority Recruitment Advisor
2017	Stimulating Access to Research in Residency, Stanford University School of Medicine NIAID RFA-HL-18-023 R38 Chair, External Advisory Committee

## **PATENTS AND INVENTION DISCLOSURES AND TRADEMARK REGISTRATIONS**

### **Patents:**

Compositions and methods to detect cardiotoxicity  
USPTO filing receipt #13492072, July 2012  
Lucia Santacruz, Danny O. Jacobs, and Jim Burchette

### **Invention Disclosures:**

Creatine transporter antibodies as a tool for differential diagnosis of Creatine metabolism deficiencies.

Date Disclosed: 06/14/2011

Lucia Santacruz and Danny O. Jacobs

### **Trademark Registration:**

Issued to Board of Regents, University of Texas System *on behalf of* the Executive Vice President/Provost, The University of Texas Medical Branch

POWER® and design

Application service provider featuring software for use in tracking various faculty and physician work and performance metrics

Certification of Registration No. 4,879,425,

Issued: January 2016

## COMMITTEE RESPONSIBILITIES:

### International

- 1995 – 1998 Ad hoc referee, Health Research Council of New Zealand, National Research Grants
- 2005 – 2006 Canadian Institutes of Health Research
- 2005 – 2006 Ad hoc reviewer, Canadian Institutes of Health Research
- 2011 – Current Nominator, 2012 Lasker Award Committee

### National

- 1993 Ad hoc reviewer, VA Merit Review Study Section, Surgery and Metabolism
- 1993 – 1994 Member, National Institutes of Health Ad Hoc Special Study Section, Small Business Innovations and Research
- 1994 Invited expert, National Institutes of Health Technology Assessment Conference on Bioelectrical Impedance Analysis in Body Composition Measurement
- 1995 Member, National Institutes of Health Ad Hoc Study Section, DEA, NIDDK, Obesity/Nutrition Research Center
- 1995 Invited consultant, National Institutes of Health, American Society for Parenteral and Enteral Nutrition and the American Society for Clinical Nutrition
- 1995 Member, National Institutes of Health, Special Emphasis Panel, Research Training Reviews in Trauma and Burns, Systems and Integrative Biology and Pharmacological Sciences
- 1995 Invited discussant, National Academy of Sciences, Food and Nutrition Board of the Institute of Medicine
- 1997 – 1999 Member, Test Material Development Committee, Step 1, United States Medical Licensing Examination, National Board of Medical Examiners
- 1997 Scientist Reviewer, Department of Defense, United States Army Medical Research and Material Command (USAMRMC) 1997 Breast Cancer Program (BCRP)
- 1998 Scientist Reviewer, Department of Defense, United States Army Medical Research and Material Command (USAMRMC) 1998 Breast Cancer Program (BCRP)
- 1998 Member, Eastern Association for the Society of Trauma Ad Hoc Practice Management Guidelines, Subcommittee on Nutritional Support of the Trauma Patient, Macronutrient formulations
- 1999 Scientist Reviewer, Department of Defense, United States Army Medical Research and Material Command (USAMRMC) 1999 Breast Cancer Program (BCRP)
- 2000 Scientist Reviewer, Department of Defense, United States Army Medical Research and Material Command (USAMRMC) 2000 Prostate Cancer Program
- 2002 Scientist Reviewer, Department of Defense, United States Army Medical Research and Material Command (USAMRMC) 2002 Breast Cancer Program (BCRP)

2003	Reviewer, Institute of Medicine of the National Academies, for Medicare Coverage of Routine Screening for Thyroid Dysfunction
2005	Scientist Reviewer, Department of Defense, United States Army Medical Research and Material Command (USAMRMC) 2005 Breast Cancer Program (BCRP)
2007	Reviewer, Institute of Medicine of the National Academies for Gulf War and Health: Physiologic, Psychologic, and Psychosocial Effects of Deployment-Related Stress
2012	Scientist Reviewer, Department of Defense, Congressionally Directed Medical Research Program (CDMRP) Pre-Clinical & Experimental Therapeutics-3
2012	Scientist Reviewer, Department of Defense, Congressionally Directed Medical Research Program (CDMRP) FY2012 PCRCP Idea Development Award Pre-application review panel
2013	Member, American Association of Medical Colleges Council of Deans
2013	Charter Member, Association of Academic Minority Physicians/Sullivan Alliance-led MENTOR Network
2013	Invited Scientist Reviewer, Department of Defense, Congressionally Directed Medical Research Program, (CDMRP) PCRCP Pre-application Clinical & Experimental Therapeutics-3
2016	Scientist Reviewer, Department of Defense, Combat Casualty Care Program (CCCP), Broad Agency Announcement for Extramural Medical Research (BAA)
2016	Member, American College of Surgeons Steering Committee for Retraining and Retooling of Practicing Surgeons

#### State

2013 – 2015	Member, the Academy of Medicine, Engineering & Science of Texas
2013 – 2015	Member, South Texas Presidential Search Committee
2015 – 2017	Member, the Academy of Medicine, Engineering & Science of Texas, Membership Committee

#### The University of Texas Medical Branch

##### **Institutional**

2012 – Present	Member, Community Health Program Board of Directors, the University of Texas Medical Branch
2012 – Present	Member, MRSDP Board of Directors, the University of Texas Medical Branch
2012 – Present	Member, Institutional Audit Committee, the University of Texas Medical Branch
2012 – Present	Member, Institutional Compliance Committee, the University of Texas Medical Branch
2012 – Present	Member, Faculty Compensation Committee, the University of Texas Medical Branch
2012 – Present	Member, Institutional Safety & Security Executive Committee, the University of Texas Medical Branch
2012 – Present	Board Director, UTMB HealthCare Systems, Inc., the University of Texas Medical Branch
2012 – Present	Board Director, UTMB Health Plans, Inc., the University of Texas Medical Branch

2012 – Present	Board Director, HSI Healthcare Services, Inc., the University of Texas Medical Branch
2013 – Present	Member, Conflict of Commitment/Conflict of Interest University of Texas System 180 Work Group, the University of Texas Medical Branch
2013 – Present	Member, Executive Institutional Compliance Committee, the University of Texas Medical Branch
2013 – 2014	Co-Chair, Executive Vice President and Chief Business and Finance Officer Search Committee, The University of Texas Medical Branch
2014 – Present	Member, Victory Lakes and Jennie Sealy Hospital Expansion Committee, the University of Texas Medical Branch
2015 – Present	Member, Delivery System Reform Incentive Payments Project Oversight Committee, the University of Texas Medical Branch
2015 – Present	Member, Programming and Operations Collaboration Committee, MD Anderson and University of Texas Medical Branch
2015 – Present	Member, Services Collaboration Committee, MD Anderson and the University of Texas Medical Branch
2015 – Present	Member, Real Estate Committee, the University of Texas Medical Branch
2015 – Present	Member, Business Development Committee, the University of Texas Medical Branch

#### **Executive Vice President and Provost**

2012 – 2015	Chair, Academic Efficiencies Committee, the University of Texas Medical Branch
2012 – Present	Faculty Liaison, Academic Committee of the Development Board, the University of Texas Medical Branch
2012 – Present	Chair, Committee on Research Services, the University of Texas Medical Branch
2012 – Present	Co-Chair, Clinical Leadership, the University of Texas Medical Branch
2012 – Present	Chair, Council of Deans Executive Committee, the University of Texas Medical Branch
2012 – Present	Chair, Council of Deans, the University of Texas Medical Branch
2012 – Present	Chair, Philanthropy Advisory Committee, the University of Texas Medical Branch
2012 – Present	Member, Academic & Research IT Governance Committee, the University of Texas Medical Branch
2012 – Present	Member, Clinical and Translational Science Awards Internal Advisory Committee, the University of Texas Medical Branch
2012 – Present	Member, Community Advisory Board, the University of Texas Medical Branch
2012 – Present	Member, Clinical Business Plan Performance Review Committee, the University of Texas Medical Branch
2012 – Present	Member, President’s Executive Committee, the University of Texas Medical Branch
2012 – Present	Member, Research Executive Committee, the University of Texas Medical Branch
2012 – Present	Member, Select Agent Responsible Official Group, the University of Texas Medical Branch
2012 – Present	Member, Strategic Executive Council, the University of Texas Medical Branch
2012 – Present	Member, Transplant Board of Directors, the University of Texas Medical Branch

2012 – Present	Member, Facilities & Steering Committee, the University of Texas Medical Branch
2012 – Present	Member, Health System Advisory Board, the University of Texas Medical Branch
2012 – 2013	Member, Research Futures Committee, the University of Texas Medical Branch
2012 – Present	Member, Health System Quality Council, the University of Texas Medical Branch
2012 – Present	Member, Endowment Compliance Committee, the University of Texas Medical Branch
2012 – Present	Member, Clinical Translational Sciences Award (CTSA) Internal Advisory Committee
2012 – Present	Board Director, UTMB Health Plans, Inc., the University of Texas Medical Branch
2012 – Present	Board Director, FHC Family Healthcare Centers, Inc., the University of Texas Medical Branch
2014 – Present	Member, MPH Student’s Capstone Committee
2014 – Present	Champion, Task Force on Facility Planning for the 21 <sup>st</sup> Century Facility Construction Cost Optimization, the University of Texas Medical Branch
2016 – Present	Member, Joint Management Committee, npj Vaccines, Nature Partner Journals
2016 – Present	Co-Chair, Clinical Enterprise Plan Steering Committee, the University of Texas Medical Branch
2016 – Present	Chair, Research Strategic Oversight and Development Group, the University of Texas Medical Branch
2016 – Present	Chair, Health Education Building Art Committee, the University of Texas Medical Branch

The University of Texas Medical Branch

**Dean, School of Medicine**

2012 – Present	Chair, Executive Committee of the Faculty of Medicine, the University of Texas Medical Branch
2012 – Present	Chair, MSRDP Budget and Finance Committee, the University of Texas Medical Branch
2012 – Present	Member, School of Medicine Curriculum Committee, the University of Texas Medical Branch
2012 – Present	Member, Faculty Group Practice Clinical Operations Committee, the University of Texas Medical Branch
2012 – Present	Member, Faculty Compensation Committee, the University of Texas Medical Branch
2012 – Present	Member, Faculty Senate, the University of Texas Medical Branch
2012 – Present	Member, Graduate Medical Education Committee, the University of Texas Medical Branch
2012 – Present	Member, Medical Staff Executive Committee, the University of Texas Medical Branch

## Major Prior Committee Assignments

### Hospital

1992 – 1997	Member, Human Research Committee, Brigham and Women’s Hospital, Harvard Medical School
1994 – 2000	Member, Education Committee, Brigham and Women’s Hospital, Department of Surgery
1997 – 1998	Member, Career Development Committee, Brigham and Women’s Hospital Research Council
1998 – 2000	Member, Research Committee, Brigham and Women’s Hospital, Department of Surgery
1999	Member, Nutrition in Clinical Practice Editor Search Committee
2000 – 2003	Chairman, Operating Room and Surgery Policies Committee, Creighton University Medical Center
2000 – 2003	Member, Medical Policy Board, Creighton University Medical Center
2000 – 2003	Member, Trauma QI Committee, Creighton University Medical Center
2000 – 2003	Member, Trauma Designation Committee, Creighton University Medical Center
2003 – Current	Member, National Academy of Medicine, Ad Hoc Committee on Nominations, Section 6 (effective 2015, formally known as the Institute of Medicine)
2004 – 2006	Member, Department of Medicine Advisory Board, Duke University Medical Center
2004 – 2012	Member, Duke Comprehensive Cancer Center Steering Committee
2004 – 2012	Faculty Hiring and Promotion Practices Task Force at Duke University Medical Center
2005 – 2006	Member, National Academy of Medicine formally Institute of Medicine’s Committee on Increasing Rates of Organ Donation
2005 – 2012	Member, Capital Steering Committee, Duke University Medical Center
2006 – 2012	Member, Imaging Services Steering Committee, Duke University Medical Center
2007 – 2012	Member, Dean’s Advisory Committee on Emerging Departments for Duke University School of Medicine
2007 – 2012	Member, Global Health Residency Steering Committee, Duke University Medical Center
2009 – 2012	Selected Member, Patient Revenue Management Organization (“PRMO”) Advisory Council, Duke University Health System
2010 – 2012	Member, Duke University School of Medicine Admissions Committee
2010 – 2011	Member, Faculty Appointment Task Force, Duke University School of Medicine
2012	Member, PRMO Advisory Group Selection Committee
2012	Executive Champion, Durham County Capacity Operations Committee
2012	Member, Duke University School of Medicine Risk Assessment Committee

### **Classroom Instruction**

#### University of Pennsylvania School of Medicine

1982 – 1984	Lecturer in nutrition and metabolism
1985 – 1986	Conference leader and lecturer; didactic sessions in Surgery for Core Clerkship in Surgery

1985 – 1986            Advisor and lecturer for the Student Chapter of the National Medical Association

#### Harvard Medical School

1987 – 1990            Lecturer and Preceptor, Longitudinal Introduction to Clinical Medicine Course, Harvard Community Health Plan

1987 – 2000            Attending surgeon and instructor in clinical surgery for surgical residents at the Brigham and Women's Hospital

1988 – 2000            Clinical Preceptor, Harvard Health Professions Program

1988 – 2000            Lecturer in Surgery and Nutrition, 3<sup>rd</sup> year Core Clerkship in Surgery

1990 – 2000            Preceptor, Pre-matriculation Summer Program

1990 – 2000            Preceptor, Longitudinal Introduction to Clinical Medicine, Harvard Medical School

1996 – 2000            Advisor, Biomedical Careers Science Project, Harvard Medical School

#### Brigham and Women's Hospital

1990 – 1994            Consultant and lecturer, Nutrition Support Service

#### Creighton University Medical Center

2000 – 2003            Preceptorships for high school and college graduates, medical students, residents and departmental lecturer.

#### Duke University Medical Center

2003 – 2008            Lecturer in Surgery and Nutrition, Surgery Residents Didactic Conference

2003 – 2012            Presentation Moderator, 2<sup>nd</sup> year Core Clerkship in Surgery

2004 – 2012            Moderator, Surgical Case Conference, Department of Surgery, Duke University Medical Center

2005 – 2012            Preceptor, Duke University Medical Student Research Program

2006 – 2012            Chair's Rounds, 2<sup>nd</sup> year Core Clerkship in Surgery

2007 – 2012            Chair's Case Discussions with the General Surgery Residents

#### The University of Texas Medical Branch

2013 - Current            Lecturer in Gross Anatomy and Practice of Medicine, University of Texas Medical Branch School of Medicine 1<sup>st</sup> year students

#### **CME Instruction**

1. Invited lecturer, Harvard Continuing Medical Education Course entitled "The Case for Glutamine", New England Deaconess Hospital, 1994.
2. Invited lecturer, "Management of Short Gut Syndrome", for Harvard Continuing Medical Education Course entitled "Malnutrition in the Hospitalized Patient—Innovations in Nutrition Support in the Managed Health Care Setting", New England Deaconess Hospital, 1995.

3. Invited lecturer, "Enteral Rehabilitation" for Harvard Continuing Medical Education Course entitled "Hyperalimentation: A Practical Approach – The Medical Professional at Work; New Skills", Deaconess Hospital, 1995.
4. Invited lecturer, "Office Surgical Procedures for Infectious Diseases, Brigham and Women's Hospital Infectious Disease Postgraduate Course "Infectious Disease in Primary Care Office and Hospital Practice", 1997.
5. Invited lecturer, "Office Surgical Procedures for Infectious Diseases, Brigham and Women's Hospital Infectious Disease Postgraduate Course "Infectious Disease in Primary Care Office and Hospital Practice", 1998.

## INVITED LECTURES

- |      |  |
|------|--|
| 1989 | Lecturer and faculty member, American Society for Parenteral and Enteral Nutrition, 13th Clinical Congress   |
| 1990 | Lecturer and faculty member, American Society for Parenteral and Enteral Nutrition, 14th Clinical Congress   |
| 1991 | Lecturer and faculty member, American Society for Parenteral and Enteral Nutrition, 15th Clinical Congress   |
| 1992 | Lecturer and faculty member, American Society for Parenteral and Enteral Nutrition, 16th Clinical Congress   |
| 1993 | Lecturer and faculty member, American Society for Parenteral and Enteral Nutrition, 17th Clinical Congress   |
| 1995 | Program chairman and moderator, ASPEN/NIH sponsored Annual Research Workshop, "Nutrition Support and Critical Illness", American Society for Parenteral and Enteral Nutrition, 20th Clinical Congress  |
| 1997 | Moderator, Impact Communications, Inc. and Medical Education Resources' Symposium, "Catabolism and Anabolism: The Response to Injury and Key to Recovery", San Francisco, CA   |
| 1997 | Invited Faculty, Young Surgical Investigators Conference, sponsored by the American College of Surgeons, Chantilly, VA   |
| 2000 | Invited Faculty, Young Surgical Investigators Conference, sponsored by the American College of Surgeons, Chantilly, VA   |
| 2010 | Poster presentation judge, AOA 41 <sup>st</sup> Annual Scientific Research Symposium, Duke University School of Medicine, Durham, NC   |
| 2010 | Co-chair of scientific session, "Lasers in Biology and Medicine II", 2010 Fitzpatrick Institute for Photonics (FIP) Annual Meeting, Duke University, Durham, NC  |
| 2010 | Panel Member, Workshop on collaborative research, "Empowering Cross-Disciplinary Research in Science, Engineering and Medicine", 2010 Fitzpatrick Institute for Photonics (FIP) Annual Meeting, Duke University, Durham, NC  |
| 2015 | Panel Member, Perspectives on Cross Institutional Collaboration, "Leveraging the BSL facilities for use by outside researchers and connecting researchers over distance", 25 <sup>th</sup> Keck Center Research Conference, Bioscience Research Collaborative, Houston, TX |
| 2017 | Invited Guest Speaker, "Pearls for Promotion: For Your Eyes Only", Society of Black Academic Surgeons 27 <sup>th</sup> Annual Scientific Meeting   |

## Advising Responsibilities

### Duke Advising Responsibilities

2003 – 2012

1. Surgical housestaff advisor, three residents per year
2. Undergraduate medical student research preceptor, one to two students in laboratory per year
3. Graduate student sponsor, zero to one student in laboratory per year
4. Postdoctoral fellow advisor, one to seven postdoctoral fellows in laboratory per year
5. Medical student research mentor and advisor

### Past:

- |      |   |
|------|---|
| 1993 | Sponsored winner of the eastern region for the American College of Surgeons' Resident's Trauma Competition, Dr. Darren Mann               |
| 1994 | Sponsored winner of Smith and Nephew Traveling Research Scholarship Award (England), Dr. Darren Mann                                      |
| 1994 | Sponsored finalist for Harry Vars Research Award, American Society for Parenteral and Enteral Nutrition, Dr. Yasumitsu Mizobata           |
| 1994 | Sponsored student research award winner (2nd place), American Gastroenterological Association, Dr. Abeena Brewster                        |
| 1995 | Advisor and preceptor for Dr. Malcolm Robinson, NIH Minority Supplement Award   |
| 1995 | Preceptor for Dr. Yasumitsu Mizobata, Ph.D. degree in Medicine, Osaka University, Osaka, Japan  |
| 1995 | Sponsored winner of the Society of Black Academic Surgeons, small grant award, Dr. Tirso Lara   |
| 1996 | Sponsor and research mentor for Dr. Malcolm Robinson, Shils-Research Award from the American Society for Parenteral and Enteral Nutrition |
| 1996 | Sponsored finalist for Harry Var's Research Award, American Society for Parenteral and Enteral Nutrition, Dr. Saleem Desai                |
| 1996 | Sponsored finalist for Joseph Susman Research Award, Surgical Infection Society, Dr. Tadashi Mitsuo                                       |
| 2012 | Sponsored winner of the Society of Black Academic Surgeons Claude Organ Research Award, Dr. Marcus Darrabie                               |

## ORGANIZATIONAL ACTIVITIES

### Hospitals or Health Care Organizations

- |             |  |
|-------------|--|
| 1987 – 1993 | Associate Surgeon, Brigham and Women's Hospital, Boston, MA                            |
| 1987 – 1996 | General Surgeon, Harvard Community Health Plan, Boston, MA                             |
| 1987 – 2000 | Attending Surgeon, Chief's Surgical Service, Brigham and Women's Hospital, Boston, MA  |
| 1989 – 2000 | Attending Surgeon, Cutler's Surgical Service, Brigham and Women's Hospital, Boston, MA |
| 1992 – 1995 | Physician Member, Nutrition Support Service, Brigham and Women's Hospital, Boston, MA  |

1993 – 2000	Senior Surgeon, Brigham and Women’s Hospital, Boston, MA
1995 – 2000	Physician, Metabolic Support Service, Brigham and Women’s Hospital
1996 – 2000	Assistant Surgeon, Massachusetts General Hospital, Boston, MA
1998 – 2000	Harvard Pilgrim Health Care Surgery Advisory Committee, Member
1999 – 2000	Consulting Physician in Nutrition and Metabolic Support; Jewish Memorial Hospital, Boston, MA
1999 – 2000	Associate Surgeon, Faulkner Hospital, Boston, MA
2000	Consulting Surgeon, Brigham and Women’s Hospital, Boston, MA
2000 – 2003	Attending Surgeon, Saint Joseph Hospital, Omaha, NE
2003 – 2012	Chair of Surgery, Duke University Medical Center, Durham, NC
2005 – 2012	Attending Surgeon, Durham Veteran’s Administration
2010 – 2012	Duke Translational Research Institute Advisory Council, Durham, NC
2010 – 2012	Duke ACOSOG Executive Committee, Durham NC
2010 – 2012	Duke Summer Medical and Dental Education Program
2011 – 2012	Interim Chief, Metabolic and Weight Loss Surgery Division, Duke University

### Major Administrative Responsibilities

1995 – 2000	Director, Metabolic Support Service, Brigham and Women’s Hospital
1995 – 1998	Associate Program Director, Clinical Research Center, Brigham and Women’s Hospital
1998 – 2000	Member, Scientific Advisory Committee, General Clinical Research Center, Brigham and Women’s Hospital
2000 – 2003	Member, Creighton Medical Associates Board of Directors
2000 – 2003	Member, Creighton Medical Associates Executive Committee
2000 – 2003	Member, Executive Advisory Committee, Creighton University School of Medicine
2000 – 2003	Member, Executive Operating Committee, Creighton University School of Medicine
2000 – 2003	Member, Leadership Council, Creighton University School of Medicine
2000 – 2003	Member, VA Dean’s Committee, Creighton University School of Medicine
2001 – 2003	Member, Research Planning Committee, Creighton University School of Medicine
2001 – 2003	Member, Health Sciences Research Committee, Creighton University School of Medicine
2002 – 2003	Member, National Center for Research Resources, Ad Hoc Committee
2002 – 2003	Member, Educational Policy Committee, Creighton University School of Medicine
2003 – 2012	Member, Board of Managers, Duke Private Diagnostic Clinic
2003 – 2012	Member, Affairs Committee, Duke Private Diagnostic Clinic
2003 – 2012	Member, Executive Committee, Duke Private Diagnostic Clinic
2003 – 2012	Member, Finance Committee, Duke Private Diagnostic Clinic
2003 – 2012	Member, Patient Safety Task Force, Duke University Health System
2003 – 2012	Member, Medical Center Executive Committee, Duke University Health System
2003 – 2012	Member, Joint Liability Steering Committee, Duke University Health System
2003 – 2012	Member, Executive Committee of the Medical Staff, Duke University Health System
2003 – 2012	Member, Dean’s Committee for the VA, Duke University Health System

2003 – 2012	Member, Duke Cancer Research Institute (DCRI) Internal Advisory Board
2003 – 2004	Member, Board of Directors, Duke University Health System
2003 – 2012	Member, The Fuqua School of Business, Health Sector Management Interdisciplinary Advisory Board
2003 – 2012	Member, Internal Advisory Committee, Brain Tumor SPORE, Duke University Medical Center
2003 – 2012	Member, Dean’s Committee on Duke Duty Hour Task Force, Duke University Health System
2003 – 2012	Member, GME Task Force, Duke University Health System
2004 – 2012	Member, Nutrition Product Evaluation Team, Duke University Health System
2004 – 2012	Member, Clinical Innovation Group, Duke University Health System
2004 – 2012	Chair, Duke Private Diagnostic Clinic, Clinical Affairs Committee
2004 – 2012	Member, System Alignment Steering Committee, Duke University Health System
2005 – 2012	Member, Cancer Center Governance Committee, Duke University Health System
2005 – 2012	Member, Board of Directors, Duke University Health System
2005 – 2012	Member, Patient Safety and Quality Assurance Committee of the Board of Directors, Duke University Health System
2005 – 2012	Member, Culture Assessment and Change Process Steering Committee
2007 – 2009	Vice Chair, Duke Private Diagnostic Clinic Board of Managers
2007 – 2012	Member, Duke Private Diagnostic Clinic Structure Task Force
2007 – 2012	Executive Director, American College of Surgeons Comprehensive Education Institute at Duke University School of Medicine, Department of Surgery
2008 – 2010	Chair, Ambulatory Strategy for Page Road Project, Duke University Health System
2008 – 2012	Member, Chair of Medicine Search Committee, Duke University Medical Center
2009 – 2010	Member, Duke University Hospital, CEO Search
2009 – 2011	Chair, Duke Private Diagnostic Clinic Board of Managers
2010 – 2012	Member, Data Governance Board, Duke University Medical Center
2010 – 2012	Member, Duke Translational Research Institute Advisory Council
2012	Co-Chair, Enterprise Wide Steering Committee, Programs of Distinction, Duke University School of Medicine

### **Professional Societies and Activities**

1987 – 1990	Member, American Medical Association
1987 – 2000	Member, American Society for Parenteral and Enteral Nutrition
1988 – 1989	Member, American Society for Parenteral and Enteral Nutrition, Publications Committee
1989 – Current	Member, American Association for the Advancement of Science
1990 – Current	Member, Society of University Surgeons
1990 – 1991	Member, American Society for Parenteral and Enteral Nutrition, Program Committee
1990 – 1991	Director, American Society for Parenteral and Enteral Nutrition, Postgraduate Course Program for the 15 <sup>th</sup> Clinical Congress
1990 – 1991	Member, American Society for Parenteral and Enteral Nutrition, Education and Professional Development Committee

1990 – 1995	Member, Society of Magnetic Resonance in Medicine
1990	Member, American Society for Parenteral and Enteral Nutrition, Nutrition in Clinical Practice, Abstract Review Committee
1991	Chair, American Society for Parenteral and Enteral Nutrition, 16 <sup>th</sup> Clinical Congress Program Committee
1991 – 1993	Member, Institute of Mathematical Statistics
1991 – 1993	Member, American Statistical Association
1991 – 1993	Member, Association for Academic Surgery
1992 – 1993	Member, American Society for Parenteral and Enteral Nutrition Research and Data Committee
1992 – Current	Fellow, American College of Surgeons
1992 – Current	Member, Society of Black Academic Surgeons
1993 – 1995	Chair, American Society for Parenteral and Enteral Nutrition, Research and Data Committee
1993 – 1995	Member, Biostatistics Subcommittee, Journal of Parenteral and Enteral Nutrition
1993 – 1994	Member, International Federation of Surgical Colleges
1993	Consultant, American Society for Parenteral and Enteral Nutrition, Clinical Guidelines for Nutrition Support
1993 – 1996	Member, National Medical Association, Surgical Section, Basic Science Committee
1994 – 1996	Member, National Medical Association, Surgical Section, Drew-Walker Surgical Forum Abstract Selection Committee
1994 – Current	Member, Society for Surgery of the Alimentary Tract
1994	Chair, Society of Black Academic Surgeons, Trauma/Critical Care/Wound Healing/Growth Factors Scientific Study Section
1994 – 1995	Member, American Society for Parenteral and Enteral Nutrition, Harry Vars Research Award selection committee
1994 – Current	Member, New England Surgical Society
1994	Consultant, American Society for Parenteral and Enteral Nutrition, Dietitian's Disciplinary Research Award Committee
1994 – Current	Member, Society of Critical Care Medicine
1995 – Current	Member, Surgical Infection Society
1995 – 2002	Chair, American Society for Parenteral and Enteral Nutrition, Publications Committee
1995 – 2002	Member, American Society for Parenteral and Enteral Nutrition, Board of Directors
1995 – 1996	Member, Society of University Surgeons, Committee on Social and Legislative Issues
1995 – 1996	Member, Association for Academic Surgery, Issues Committee
1995 – 1996	Member, Society of Black Academic Surgeons, Program Committee
1995 – 1996	Member, Society of Black Academic Surgeons, Abstract Selection Committee
1995 – Current	Member, American College of Surgeons, Surgical Biology Club II
1996 - 1998	Member, Publications Committee, Journal of Parenteral and Enteral Nutrition
1996 – Current	Member, Society of Laparoendoscopic Surgeons
1996 – Current	Fellow, American Surgical Association
1996 – 1997	Chair, Society of Black Academic Surgeons, Review Committee for Small Grant Applications
1996 – 1998	Member, Board of Directors, Journal of Parenteral and Enteral Nutrition

1998 – 1999	Treasurer and Member of the Executive Committee, American Society for Parenteral and Enteral Nutrition
1998 – 2000	Secretary-Elect and Secretary, International Association for Surgical Metabolism and Nutrition
1998 – 2009	Member, International Society of Surgeons/Societe Internationale de Chirurgie
1998 – Current	Member, Society for Parenteral Alimentation
1999 – Current	Member, Boston Surgical Society
2000 – 2001	Member, American Society for Parenteral and Enteral Nutrition, Abstract Review Committee
2000 – 2001	Member, Nominating Committee, Society of University Surgeons
2000 – 2003	Member, American Obesity Association
2000 – 2003	Associate Examiner, American Board of Surgery
2000 – 2003	Member, American College of Physician Executives
2001 – Current	Member, National Academy of Medicine
2001 – Current	Member, American Society for Nutritional Sciences
2001 – Current	Member, American Physiological Society
2001 – Current	Member, Society of Surgical Chairs
2001 – Current	Member, American Society of Clinical Nutrition
2001 – Current	Member, Western Surgical Association
2002 – 2003	Member, Metro Omaha Medical Society
2002 – Current	Member, Central Surgical Association
2002 – Current	Member, European Academy of Sciences
2003 – Current	Member, Sabiston Surgical Society
2003 – 2012	Member, North Carolina Surgical Society
2004 – 2009	Secretary-Treasurer, International Society of Surgeons/Societe Internationale de Chirurgie, US Chapter
2005 – Current	Member, Southern Surgical Association
2005 – 2011	Member, the Halsted Society
2011 – Current	Senior Member, the Halsted Society
2005 – Current	Member, Membership Advisory Committee of the American Surgical Association
2005 – 2007	Member, Wadsworth Medical Technologies Advisory Board
2006 – 2015	Member, Society of Black Academic Surgeons Program Committee
2006 – C2015	Member, Society of Black Academic Surgeons, Abstract Selection Committee
2008 – Current	Nominator, the Shaw Prize in Life Science and Medicine Committee for 2009
2010 – 2011	President-Elect, Society of Black Academic Surgeons
2011 – 2012	President, Society of Black Academic Surgeons
2011 – 2012	Member, Board of Directors, Surgical Section of the National Medical Association
2011 – Current	Royal Society of Medicine, London, England
2015 – Current	Member, Board of Directors, the Academy of Medicine, Engineering and Science of Texas
2015 – Current	Honorary Member, Osler Student Society
2015 – Current	Member, Osler Scholar Selection Committee
2016 – Current	Nominator, Warren Alpert Foundation Prize
2018 – Current	National Academies of Science, Engineering and Medicine, Science and Technology Experts Group

## OTHER RECOGNITION

### Major Selected Invited Presentations and Visiting Professorships

- 1990 Invited lecturer, Japanese Surgical Societies
- 1991 What's New in Parenteral and Enteral Nutrition? Canadian Dietetic Association
- 1992 Invited lecturer on Metabolic Assessment, Surgical Section, National Medical Association
- 1993 Research Grand Rounds, Brown University, Department of Surgery
- 1993 Invited participant, International Round Table Conference on Metabolic Support, Brussels, Belgium
- 1993 Invited lecturer, International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium
- 1994 Invited lecturer, NIH Technology Assessment Conference on Bioelectrical Impedance Analysis in Body Composition Measurement
- 1995 Surgical Grand Rounds, University of Pennsylvania, "Energy Metabolism during Malnutrition, Sepsis, and Shock"
- 1995 Surgical Grand Rounds, Duke University, Durham, North Carolina
- 1995 Invited lecturer, "How Do Wasting and Recovery Alter Body Composition", for post-graduate course entitled "Metabolic Support and Perennial Problems in Surgery", American College of Surgeons
- 1996 Invited lecturer, "Bioenergetics of Critical Illness", ASPEN/NIH Research Workshop
- 1996 Invited lecturer, "How do NIH Study Sections Work?" Society of Black Academic Surgeons
- 1996 Grand Rounds, "Management of Short Gut Syndrome", New England Deaconess Hospital, Boston, MA
- 1996 Invited lecturer, "Body Compositional Changes in Critical Illness, Memphis Area Society for Parenteral and Enteral Nutrition, University of Tennessee – Memphis
- 1996 Invited lecturer and guest professor, 9th Argentine Congress on Critical Care, Buenos Aires, Argentina
- 1997 Visiting Professor, "Metabolic Assessment", University of Massachusetts, Baystate Medical Center, Springfield, MA
- 1997 Invited lecturer and featured speaker, "Future Directions in the Metabolic Care of Critically Ill Patients", Japanese Society of Acute Care Medicine, Tokyo, Japan
- 1997 Invited lecturer, "Effects of Critical Illness on the GI Mucosa", ASPEN/NIH Research Workshop
- 1998 Mildred A. Reeves Distinguished Visiting Professor, University of Tennessee, Memphis, TN
- 1999 Moderator, "Recent Advances in Surgical Metabolism and Nutrition" International Association for Surgical Metabolism and Nutrition, International Surgical Week ISW99, Vienna, Austria
- 1999 Invited lecturer, "Metabolic Assessment", for Plenary Session, International Association for Surgical Metabolism and Nutrition, International Surgical Week ISW99, Vienna, Austria
- 1999 Invited lecturer, "Malnutrition – Bedside Diagnosis and Effect on Postoperative Outcome", Postgraduate Course #3, American College of Surgeons Annual Clinical Congress
- 2000 Visiting Professor, University of Nebraska
- 2001 D. Hayes Agnew Visiting Professor and Lecturer, University of Pennsylvania

2001 Invited lecturer, "Bio-Energetics and Critical Illness," Vanderbilt University, Nashville, Tennessee

2001 Lecturer, "Nutrition, Metabolism and Muscle Energetics," University of Pennsylvania, Philadelphia, Pennsylvania, 2001

2002 Lecturer, "Bio-Energetics and Critical Illness," Vanderbilt University, Nashville, Tennessee

2002 Invited lecturer, "Skeletal Muscle Bio-Energetics," Sinai Hospital of Baltimore, Baltimore, Maryland

2002 Invited speaker, "Creatine Metabolism in Skeletal Muscle: Implications for Surgical Patients," Festschrift for Dr. Clyde Barker, University of Pennsylvania, Philadelphia, Pennsylvania

2002 Visiting Professor, Vanderbilt University

2002 Visiting Professor, Johns Hopkins University

2003 Grand Rounds, Max and Millie Fischer Visiting Professor, "Current Trends in Surgery", University of Cincinnati

2003 Visiting Professor, Carolinas Medical Center

2004 Visiting Professor, SUNY Downstate

2004 Ralph Coffey Visiting Professor, University of Missouri, Kansas City

2004 Maynard Surgical Grand Rounds Visiting Professor, Morehouse School of Medicine

2004 Whitmarsh Lecturer, Roger Williams Medical Center

2004 Trescher Lecturer, Penn State University

2004 Visiting Professor, Georgetown University

2004 Lecturer, Patient Safety Leadership Academy, University of Pennsylvania

2004 Hunter Sweaney Lecturer, University of North Carolina, Chapel Hill

2004 Allied Health Panel Discussion Participant, American College of Surgeons, "The Duke Experience, Then and Now", New Orleans, LA

2005 J. Englebert Dunphy Visiting Professor, 18th Annual Resident Research Symposium, University of San Francisco

2005 Visiting Professor, Surgical Grand Rounds, University of Kansas Medical Center, Kansas City, Kansas "Nutritional & Metabolic Support of Surgical Patients: Current Status"

2005 Visiting Professor, Emory University School of Medicine

2005 Visiting Professor, Surgical Grand Rounds, Morristown Memorial Hospital, Morristown, NJ "Nutritional Support of Surgical Patients"

2005 Invited lecturer, "Nutritional and Metabolic Support of Surgical Patients: Current Status", North Shore University Hospital, Manhasset, NY

2005 Hechtman Visiting Professor, "Skeletal Muscle Energy Metabolism and Critical Illness", Brigham & Women's Hospital, Boston, MA

2005 Visiting Professor, Surgical Grand Rounds, "Incrementalism and a Career in Academic Surgery" Uniformed Service University of the Health Sciences, Bethesda, MD

2005 Featured Speaker, "Bariatric Surgery, Future Trends in Surgery, and Dealing with Crises", Georgia Surgical Society, Decatur, GA

2005 "Crisis Management" Wharton, Leonard Davis Institute of Health Economics, Johnson & Johnson – Wharton CEO Program for Healthcare Leadership, Philadelphia, PA

2005 First Kelsey-Seybold Lecturer, Baylor College of Medicine.

2006 Drew/Syphax Lecturer, "Nutritional Support of Surgical Patients", Howard University Hospital, Washington, DC

- 2006 Invited lecturer, “How medical journals are responding to the problem of conflict of interest in scientific research”, Research Triangle Institute, Research Triangle Park, NC
- 2007 Martin Luther King, Jr. Visiting Professor, “Surgical Research”, Johns Hopkins University, Department of Surgery, Baltimore, MD
- 2007 Small Group Discussion Leader, National Medical Association 2007 Annual Convention & Scientific Assembly, Honolulu, HI
- 2007 Moderator, ISS/SIC US-Chapter Symposium “What’s new in GI Surgery?”, 42nd World Congress of Surgery, Montréal, Canada
- 2007 Invited Lecturer, “Stomach and small intestine”, 42nd World Congress of Surgery, Montréal, Canada
- 2008 Visiting Professor, Grand Rounds, “Research Paradigms”, Scott & White Hospital, Texas A&M Health Science Center, Temple, TX
- 2008 Visiting Professor, “Research Paradigms”, Temple University, Department of Surgery, Philadelphia, PA
- 2008 Keynote Speaker, 9th Biennial Biomedical Science Careers Student Conference, Harvard University, Boston, MA
- 2008 “Surgical Nutrition – Feeding Critically Ill Patients”, North Carolina/South Carolina Chapters of the American College of Surgeons 2008 Joint Annual Meeting, Isle of Palms, SC
- 2008 Invited Lecturer, “What does a Chair look for in a new recruit – how to stack your cards right”, SAGES Research Committee, Development Workshop, Chicago, IL
- 2008 Invited Speaker, “Bulk or Bounce? Creatine Metabolism in Surgical Patients,” The Halsted Society 82nd Annual Meeting, Cashiers, NC
- 2008 Visiting Professor, “Surgical Research Paradigms”, Henry Ford Hospital, Department of Surgery, Detroit, MI
- 2008 “Educating and Training General Surgeons for the Future,” Panel Discussion, North Carolina/South Carolina Chapters of the American College of Surgeons 2008 Joint Annual Meeting, Isle of Palms, SC
- 2008 Co-leader, “Preparing Your Academic Portfolio/Getting Promoted”, SAGES Research Committee, Development Workshop, Chicago, IL
- 2008 Moderator, Fourth Scientific Session, The Halsted Society 82nd Annual Meeting, Cashiers, NC
- 2009 – Current Member, Society of Black Academic Surgeons Mentoring Program
- 2009 – 2011 Invited Reviewer and member, Selection Committee, Southern Surgical Society, Shipley Award
- 2010 – 2015 Chair, Shipley Award Committee, Southern Surgical Society
- 2010 Julius A. Mackie Distinguished Graduate Lecturer, “Management of Complex Enterocutaneous Fistulas”, University of Pennsylvania, Department of Surgery, Philadelphia, PA
- 2010 Invited/Designated Discussant, “Prevention of Surgical Resident Attrition by a Novel Selection Strategy”, American Surgical Association 130th Annual Meeting, Chicago, IL
- 2011 Invited lecturer, National Youth Leadership Forum on Medicine, University of North Carolina at Chapel Hill
- 2013 Visiting Professor, “Management of Patients with Enterocutaneous Fistulas” Brigham and Women’s Hospital, Department of Surgery, Boston, MA
- 2013 Invited Participant, 9<sup>th</sup> Annual Dr. David B. Skinner Memorial Lecture, “Meta-Leadership in Surgery”, the University of Chicago Medical Center, Department of Surgery, Chicago, IL

- 2013 Surgical Grand Rounds, the University of Chicago, “On the Management of Enterocutaneous Fistulas”
- 2013 Invited lecturer, 7<sup>th</sup> Annual Meeting of the Consortium of ACS-accredited Education Institutes, “Simulation Centers”, Chicago, IL
- 2014 Invited lecturer, “Building your CV: Manuscript, Grants, Surgical Societies and Editorial Boards, Society of Black Academic Surgeons – American College of Surgeons Joint Seminar, San Francisco, CA
- 2015 Invited lecturer, “Bariatric Surgery in Type 2 Diabetes”, Diabetes & Endocrinology Research Center Diabetes Symposium, Houston, TX
- 2017 Invited lecturer, “Meta-leadership in Surgery”, Alexander Doolas Surgical Society Annual Meeting, Rush University, Chicago, IL
- 2018 Invited lecturer, “Leading and Following in Surgery”, Hackensack University Medical Center, Hackensack, NJ

### **Miscellaneous Other**

- 2000 – 2003 Consultant and Content Provider, Mdbeacon, Inc.
- 2001 – 2003 Consultant, Health Tech Scientific Advisory Group
- 2003 – 2005 Consultant, Baxter Healthcare Corporation
- 2003 Invited Discussant, American College of Surgeons, Clinical Congress, “The Impact of Bariatric Surgery on Patient Survival: Population-Based Study” by David R. Flum, M.D., M.P.H.
- 2004 Executive Committee Panel Participant, Society of Black Academic Surgeons, “The New Chairs: New Faces, New Challenges”, Washington, D.C.
- 2004 Member, Board of Governors, Foundation for Biomedical Research
- 2007 Member, Scientific Advisory Board, Healthcare Engineering Alliance
- 2009 – 2016 Scientific Advisory Board Member, DermaLOC
- 2012 Moderator, JAR School - Jr. Residents Poster Presentations
- 2012 Assessor, University of the West Indies
- 2016 Invited Panelist, “Meet the Professors”, Black History Month, sponsored by the American Medical Student Association and Student National Medical Association, University of Texas Medical Branch
- 2016 Invited Panelist, “Meet the Professors”, sponsored by the Student National Medical Association

### **Editorial Board Activities**

- 1991 – 1999 Member, Journal of Parenteral and Enteral Nutrition
- 1992 Ad hoc reviewer, Journal of Surgical Research
- 1994 – 2008 Member, Journal of the American Medical Association Surgery
- 1994 Ad hoc Reviewer, Journal of Acquired Immune Deficiency Syndromes
- 1994 Ad hoc Reviewer, American Journal of Physiology
- 1995 Ad hoc Reviewer, Metabolism
- 1995 Ad hoc Reviewer, Nutrition
- 1996 Ad hoc Reviewer, Nutrition in Clinical Practice, Current Summaries and Abstracts
- 1997 Ad hoc Reviewer, American Journal of Clinical Nutrition
- 1997 Ad hoc Reviewer, Gastroenterology

1997 – 2000	Editor-in-Chief, Nutriture (Department of Nutrition and Metabolic Support Service), Brigham Women's Hospital
1998 – 2003	Ad hoc Reviewer, Surgery
1998 – 2003	Ad hoc Reviewer, Journal of the American College of Surgeons
1998 – 2002	Member, Emedicine
1999	Ad hoc Reviewer, Clinical Nutrition
2000 – 2002	Editor-in-Chief, Journal of Parenteral and Enteral Nutrition
2000 – 2007	Member, Journal of the American College of Surgeons
2000 – 2009	Member, Medscape General Medicine, WebMD
2001	Ad hoc Reviewer, American Journal of Kidney Diseases
2002	Ad hoc Reviewer, Critical Care Medicine
2002 – 2015	Member, New England Journal of Medicine
2003 – 2014	Member, Surgery
2004 – 2005	Ad hoc Reviewer, World Journal of Surgery
2004	Ad hoc Reviewer, Digestive Diseases and Sciences
2004 – Current	Member, American College of Surgeons Web Portal
2005 – 2009	Member, Unbound Surgery
2005	Member, World Journal of Surgery
2008	Ad hoc Reviewer, Journal of the American Medical Association Surgery
2010	Ad hoc Reviewer, Journal of Clinical Gastroenterology
2010 – 2014	Advisor to the Editorial Board, Journal of Surgical Radiology
2010 – 2012	Member, International Scholarly Research Network (ISRN) Surgery
2011	Ad hoc Reviewer, Annals of Surgery
2012	Ad hoc Reviewer, Clinical Gastroenterology and Hepatology
2012	Ad hoc Reviewer, Obesity
2015	Ad hoc Reviewer, American Journal of Physiology – Cell Physiology
2015	Ad hoc Reviewer, American Journal of Physiology – Heart and Circulatory Physiology
2015	Ad hoc Reviewer, American Journal of Physiology – Endocrinology and Metabolism
2016 – Current	Ad hoc Reviewer, The Lancet
2016 – Current	Ad hoc Reviewer, British Journal of Pharmacology
2016 – Current	Ad hoc Reviewer, The Lancet Diabetes and Endocrinology

### **Selected Awards or Honors**

1971	Scholarship, Harvard University, Boston, MA
1975	Scholarship, Washington University-St. Louis, St. Louis, MO
1983	Resident's Research Award, Association for Academic Surgery
1985	Jonathan Rhoads Surgical Resident's Research Award, University of Pennsylvania
1986	Alpha Omega Alpha
1986 – 1988	National Research Service Award
1989 – 1993	Robert Wood Johnson Harold Amos Faculty Development Award
1990	Greater Boston YMCA Black Achievement Award
1990	Stanley Dudrick Research Scholar Award (American Society for Parenteral and Enteral Nutrition)
1992	Peer Recognition Award, Harvard Community Health Plan
1993	Matson Award for Teaching, Brigham and Women's Hospital

1993	William E. Matory Award, Surgical Section, National Medical Association
1993	Diamond Award Winner, Harvard Community Health Plan
1995	Cited in "Noteworthy Publications by African-American Surgeons in Commemoration of the 100th anniversary of the National Medical Association, 1895-1995" edited by Vernon J. Henderson, M.D., and Claude Organ, M.D.
1996	Outstanding Service Award, Harvard Community Health Plan
1996	Nominated for the Prize for Excellence in Teaching, Harvard Medical School
2004	Alumni Achievement Award, Washington University – St. Louis School of Medicine
2004	Who's Who in Medical Sciences Education (WWMSE)
2006	Recognized by National Library of Medicine in "Opening Doors: Contemporary African American Academic Surgeons" (2007)
2008	Life Member, Fellows Leadership Society, American College of Surgeons
2008	Inclusion in "Guide to America's Top Surgeons" of the Consumer's Research Council of America
2010	Julius A. Mackie Distinguished Graduate Award, University of Pennsylvania
2013	National Medical Association (NMA) Presidential Award

## EDUCATIONAL ACTIVITIES

### Peer Reviewed Publications

1. **Jacobs DO**, Albina JE, Settle RG, Wolf G, Rombeau JL. In vitro identification of carbon tetrachloride induced fatty liver infiltration by proton nuclear magnetic resonance. *Surgical Forum* 1983; 34:54-56.
2. **Jacobs DO**, Melnik G, Forlaw L, Settle RG, Rombeau JL. Impact of a nutritional support service on VA surgical patients. *J Am Coll Nutr* 1984; 3:311-315.
3. Koruda MJ, Argov Z, Maris J, Rolandelli R, Settle RG, **Jacobs DO**, Chance B, Rombeau JL. 31-Phosphorus nuclear magnetic resonance spectroscopy of stimulated muscle during starvation. *Surgical Forum* 1985; 36:61-63.
4. Albina JE, **Jacobs DO**, Melnik G, Settle RG, Stein TP, Rombeau JL. Nitrogen utilization from elemental diets. *J Parenter Enter Nutr* 1985; 2:189-195.
5. **Jacobs DO**, Clarke J, Settle RG, Sachdeva AK, Wheeler JE, Trerotola SO, Wolf GL, Rombeau JL. The identification of experimentally induced appendicitis using in vitro NMR. *J Surg Res* 1985; 39:16-24.
6. **Jacobs DO**, Trerotola S, Settle RG, Rolandelli RH, Wolf GL, Rombeau JL. The in vitro detection of fatty liver infiltration in protein depleted rats using NMR. *J Surg Res* 1985; 39:25-30.
7. Rolandelli RH, Saul SH, Settle RG, **Jacobs DO**, Singer R, Wolf GL, Rombeau JL. Identification of experimentally induced colitis by in vitro NMR. *Physiol Chem Physics and Medical NMR* 1985; 17:197-203.

8. Scheindlin B, **Jacobs DO**, Settle RG, Wolf GL, Rombeau JL. The comparative influence of anesthetics on the in vitro proton relaxation times in rat liver. *Physiol Chem Physics and Medical NMR* 1985; 17:71-75.
9. Miller JE, Whitman GJ, Iozzo RV, **Jacobs DO**, Ziegler MM. Early diagnosis of experimental necrotizing enterocolitis using proton nuclear magnetic resonance. *J Surg Res* 1985; 39:322-330.
10. Koruda MJ, Zimmler A, Settle RG, **Jacobs DO**, Rolandelli RH, Wolf GL, Rombeau JL. Assessing burn wound depth using in vitro nuclear magnetic resonance. *J Surg Res* 1986; 40:475-481.
11. **Jacobs DO**, Settle RG, Trerotola S, Wolf GL, Rombeau JL. The detection of TPN induced fatty liver infiltration in the rat by in vitro proton nuclear magnetic resonance. *J Parenter Enter Nutr* 1986; 10:177-183.
12. **Jacobs DO**, Evans DA, O'Dwyer ST, Smith RJ, Wilmore DW. Disparate effects of 5-FU on the ileum and colon of enterally fed rats with protection by dietary glutamine. *Surgical Forum* 1987; 38:45-47.
13. Rolandelli R, Saul SH, Settle RG, **Jacobs DO**, Trerotola S, Rombeau JL. A comparison of parenteral nutrition and enteral feeding with pectin in experimental colitis in the rat. *Am J Clin Nutr* 1988; 47:715-21.
14. Wang XD, **Jacobs DO**, O'Dwyer ST, Smith RJ, Wilmore DW. Glutamine-enriched parenteral nutrition prevents mucosal atrophy following massive small bowel resection. *Surgical Forum* 1988; 39:44-46.
15. **Jacobs DO**, Evans DA, Smith RJ, Wilmore DW. Combined effects of glutamine and epidermal growth factor on the rat intestine. *Surgery* 1988; 104:358-364.
16. Wilmore DW, Smith RJ, O'Dwyer ST, **Jacobs DO**, Zeigler TR, Wang XD. The gut--a central organ after surgical stress. *Surgery* 1988; 104:917-923.
17. **Jacobs DO**, Maris J, Fried R, Settle RG, Rolandelli RH, Koruda MJ, Chance B, Rombeau JL. In vivo <sup>31</sup>P nuclear magnetic resonance (NMR) spectroscopy of rat hind limb skeletal muscle during sepsis. *Archives of Surgery* 1988; 123:1425-1428.
18. Hulton NR, Johnson DJ, Evans A, **Jacobs DO**, Wilmore DW. Inhibition of prostaglandin synthesis improves post-operative nitrogen balance. *Clinical Nutrition* 1988; 7:81-84.
19. Lowe DK, Benfell K, Smith RJ, **Jacobs DO**, Murawski B, Ziegler TR, Wilmore DW. Glutamine-enriched parenteral nutrition is safe in normal humans. *Surgical Forum* 1989; 40:9-11.
20. van Lanschot JJB, Mealy K, Evans DA, **Jacobs DO**, Wilmore DW. Splenectomy abolishes the diuresis associated with tumor necrosis factor (TNF). *Surgical Forum* 1989; 40:62-65.
21. Evans DA, **Jacobs DO**, Revhaug A, Wilmore DW. The effects of TNF and their selective inhibition by ibuprofen. *Annals of Surgery* 1989; 209:312-321.

22. Evans DA, **Jacobs DO**, Smith RJ, Wilmore DW. Tumor necrosis factor enhances glucose uptake by peripheral tissues. *Am J Physiol* 1989; 257:R1182-R1189.
23. Ziegler TR, Smith RJ, **Jacobs DO**, Helton WS, O'Dwyer, Wang XD, Wilmore DW. Glutamine metabolism and intestinal failure. *Korean Journal of Nutrition* 1989; 22:1017-1020.
24. **Jacobs DO**, Clarke JR, Settle RG, Trerotola SO, Sachdeva AK, Wolf GL, and Rombeau JL. Identification of human appendicitis by in vitro nuclear magnetic resonance. *J Surg Res* 1990; 48:107-110.
25. Scheltinga MR, Kimbrough TD, **Jacobs DO**, Wilmore DW. Altered cell membrane function in critical illness can be characterized by measuring body reactance. *Surgical Forum* 1990; 41:43-44.
26. Helton WS, **Jacobs DO**, Bonner-Weir S, Bueno R, Smith RJ, Wilmore DW. Effects of glutamine-enriched parenteral nutrition on the exocrine pancreas. (Winner 1989 Harry S. Vars Award for nutritional research from the American Society for Parenteral and Enteral Nutrition). *J Parenter Enter Nutr* 1990; 14:344-352.
27. Lowe DK, Benfell K, Smith RJ, **Jacobs DO**, Murawski B, Ziegler TR, Wilmore DW. The safety of glutamine-enriched parenteral nutrient solutions in humans. *American J Clin Nutr* 1990; 52:1101-6.
28. Holtzman D, McFarland E, **Jacobs DO**, Offutt M, Neuringer L. Maturation increase in mouse brain creatine kinase reaction rates shown by phosphorus nuclear magnetic resonance. *Dev Brain Research* 1991; 58:181-188.
29. Scheltinga MR, **Jacobs DO**, Kimbrough TD, Wilmore DW. Alterations in body fluid content can be detected by bioelectrical impedance analysis (BIA). *J Surg Res* 1991; 50:46-468.
30. Scheltinga MR, Helton WS, Rounds JD, **Jacobs DO**, Wilmore DW. Impedance electrodes positioned on proximal portions of limbs quantify fluid compartments in dogs. *J Appl Physiol* 1991; 70:2039-2044.
31. **Jacobs DO**, Kobayashi T, Imagire J, Kesselly BC, Grant C, Wilmore DW. Sepsis alters skeletal muscle energetics and membrane function. *Surgery* 1991; 110:318-326.
32. Van Lanschot JJB, Mealy K, **Jacobs DO**, Evans DA, Wilmore DW. Splenectomy attenuates the inappropriate diuresis associated with tumor necrosis factor administration. *Surgery, Gynecology and Obstetrics* 1991; 172:293-297.
33. Robinson MK, Hong RW, Rounds JD, **Jacobs DO**, Wilmore DW. Glutathione depletion enhances bacterial translocation and alters immunologic status. *Surgical Forum* 1991; 42: 65-67.
34. Gatzen C, Scheltinga MR, Kimbrough TD, **Jacobs DO**, Wilmore DW. Growth hormone attenuates the abnormal distribution of body water in critically ill surgical patients. *Surgery* 1992; 112:181-187.

35. Robinson MK, Rounds JD, Hong RW, **Jacobs DO**, Wilmore DW. Glutathione deficiency increases organ dysfunction after hemorrhagic shock. *Surgery* 1992; 112:140-149.
36. Ziegler TR, Young LS, Benfell K, Scheltinga M, Hortos K, Bye R, Morrow FD, **Jacobs DO**, Smith RJ, Antin JH, Wilmore DW. Clinical and metabolic efficiency of glutamine-supplemented parenteral nutrition following bone marrow transplantation: A double blind, randomized trial. *Ann Int Med* 1992; 11:821-828.
37. Robinson MK, Ahn MS, Rounds JD, Cook JA, **Jacobs DO**, Wilmore DW. Parenteral glutathione monoester enhances tissue antioxidant stores. *J Parenter Enter Nutr* 1992; 16:413-418.
38. Scheltinga MR, **Jacobs DO**, Kimbrough TD, Wilmore DW. Identifying body fluid distribution by measuring electrical impedance. *J Trauma* 1992; 33:665-670.
39. Morrissey T, Gatzen C, Rounds JD, Rose J, Kobayashi T, Robinson V, Wilmore DW, **Jacobs DO**. During sepsis, alterations in fluid distribution are related to abnormal cellular energetics. *Surgical Forum* 1992; 43:1-3.
40. Robinson MK, Kobayashi T, Rounds JD, Robinson V, DeRosa E, Wilmore DW, **Jacobs DO**. Glutamine enhances hepatocellular energetics during sepsis. *Surgical Forum* 1992; 43:171-174.
41. Kobayashi T, Robinson MK, Rounds JD, Robinson V, DeRosa E, Wilmore DW, **Jacobs DO**. Sepsis alters hepatocellular energetics as assessed by in vivo magnetic resonance spectroscopy. *Surgical Forum* 1992; 43:11-13.
42. Holtzman D, Offutt M, Tsuji M, Neuringer L, **Jacobs DO**. Creatine kinase reaction rate in the cyanide poisoned mouse brain. *J Cerebral Blood Flow and Metabolism* 1993; 13:153-161.
43. Robinson MK, Rodrick ML, **Jacobs DO**, Rounds JD, Collins KH, Saporoschetz IB, Mannick JA, Wilmore DW. Glutathione depletion in vivo impairs T-cell and macrophage immune function. *Archives of Surgery* 1993; 128(1):29-34.
44. Kobayashi T, Robinson MK, Robinson VD, DeRosa Eve, Wilmore DW, **Jacobs DO**. Glutathione depletion induces hepatocellular injury and alters high energy phosphate metabolism. *J Surg Res* 1993; 54:189-195.
45. Evans DA, **Jacobs DO**, Rounds JD, Wilmore DW. The effects of tumor necrosis factor after removal of the gut. *J Surg Res* 1993; 54:39-45.
46. Mann DV, DeRosa E, Rounds JD, Rose J, Robinson MK, Wilmore DW, **Jacobs DO**. Assessment of outcome following hemorrhagic shock by dynamic monitoring of intracellular energetics. *Surgical Forum* 1993; 44:43-45.
47. Santos AA, Shapiro L, Lynch EA, Brown EF, **Jacobs DO**, Dinarello CA, Wolff SM, Wilmore DW. Tumor necrosis factor soluble receptor p55: Endogenous counter-regulatory glycoprotein. *Surgical Forum* 1993; 44:119-121.
48. Evans, DA, **Jacobs DO**, Wilmore DW. The effects of tumor necrosis factor on protein metabolism. *Br J Surg* 1993; 80:1019-1023.

49. Young LS, Bye R, Scheltinga M, Ziegler T, **Jacobs DO**, Wilmore DW. Patients receiving glutamine supplemented intravenous feedings report an improvement in mood. *J Parenter Enter Nutr* 1993; 17(5):422-427.
50. Santos AA, Browning JL, Scheltinga MR, Lynch EA, Brown EF, Lawton P, Chambers E, Douglas I, Benjamin CD, Dinarello CA, Wolff SM, **Jacobs DO**, Wilmore DW. Are events after endotoxemia related to circulating phospholipase A2? *Annals of Surgery* 1994; 219(2):183-192.
51. Santos AA, Rodrick ML, **Jacobs DO**, Dinarello C, Wolff SM, Mannick J, Wilmore DW. Does the route of feeding modify the inflammatory response? *Annals of Surgery* 1994; 220(2):155-163.
52. Mizobata Y, Rounds JD, DeRosa E, Rose J, Wilmore DW, **Jacobs DO**. 31P magnetic resonance spectroscopy demonstrates expansion of the extracellular space in skeletal muscle of starved rats. *J Surgical Research* 1994; 56:491-499.
53. Resnick MB, **Jacobs DO**, Brodsky GL. Multifocal adenocarcinoma in situ with underlying carcinoid tumor of the gallbladder. *Arch Path Lab Med* 1994; 118(9):933-934.
54. Mitsuo T, Rounds J, Rose J, Wilmore DW, **Jacobs DO**. Early changes in sodium distribution induced by sepsis. *Surgical Forum* 1995; 46:30-32.
55. Denno R, Rounds JD, Mitsuo T, Cook C, Rodrick ML, Mannick JA, Wilmore DW, **Jacobs DO**. Alterations in hepatic and skeletal muscle energetics during sepsis are associated with endotoxemia and serum complement activation. *Surgical Forum* 1995; 46:158-161.
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