*Dated 5/2021*

*Curriculum Vitae*

**Name:** Lyle L. Moldawer, Ph.D.

**Present Position:** Professor
Department of Surgery

 University of Florida College of Medicine

 Room 6116, Shands Hospital

 1600 SW Archer Road

 PO Box 100019

 Gainesville, Florida 32610-0019

**Date of Birth:** 9 June 1954

**Place of Birth:** Washington, D.C. U.S.A.

**Nationality**: U.S.A.

**DEA #:** RU0199857

**Florida DOH #** EX:00682

**Marital Status:** Married (1979), Elaine Marie Moldawer, R.D., L.D. L.C.L.C.

 WIC Dietitian, Florida Department of Health

**Dependents #:** Adam (age 35), Scientist, Ratheon Inc.; B.S. (2004), M.S. (2007), Ph.D. (2013), Boston University, Department of Materials Science and Engineering

Lauren (age 33), Health Law Associate, Mintz Levin Cohn Ferris Glovsky and Popeo PC; B.S. Georgetown University (2007), juris doctorate, George Washington University (2014)

Alysse (age 30), Research Assistant, Tuanan, Borneo, Indonesia; B.S., Anthropology, The George Washington University (2011), Ph.D Candidate (2017), Evolutionary Anthropology, Rutgers University

Kathryn (age 28), Physical Therapy Assistant, B.S. Geology (2013), Boston University, Department of Earth Sciences and Geology

**Home Address:** 2357 N.W.14th Place

 Gainesville, Florida 32605

**Office Address:** University of Florida College of Medicine

 Department of Surgery

 PO Box 100019

 1600 S.W. Archer Road, Room 6116

 Gainesville, Florida 32610-0019

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**Education:** Ph.D. (Dr. Med. Sci.), 1986, Götesborg Universitet,

 Gothenburg, Sweden, in experimental medicine

**Positions and Appointments:**

Robert H. and Kathleen M. Axline Basic Science Endowed Professor of Surgery, Department of Surgery

Gainesville, Florida

2014-2019

Adjunct Professor of Pathology, Immunology and Laboratory Medicine

University of Florida College of Medicine

Gainesville, Florida

2014-

Vice Chairman (Research), Department of Surgery

 University of Florida College of Medicine

 Gainesville, Florida

 2004-2018

 Professor of Surgery

 University of Florida College of Medicine

 Gainesville, Florida

 1996-

 Associate Professor of Surgery *with tenure*

University of Florida College of Medicine,

 Gainesville, Florida

 1994-1996

 Associate Professor of Surgery,

 University of Florida College of Medicine,

 Gainesville, Florida

 1993-1996

 Associate Professor of Cell Biology and Anatomy,

 Cornell University Medical College, New York, New York.

 1991-1993

 Associate Professor of Surgery,

 Cornell University Medical College, New York, New York.

 1991-1993

Assistant Professor of Cell Biology and Anatomy,

 Cornell University Medical College, New York, New York.

 1988-1991

 Assistant Professor of Surgery,

 Cornell University Medical College, New York, New York.

 1987-1991

 Visiting Scientist,

 Department of Surgery I, Sahlgrenska sjukhuset,

S-41345 Göteborg, Sweden.

1984-1987

Research Associate (non-academic),

 Cancer Research Institute, New England Deaconess Hospital

Harvard Medical School, Boston,

 Massachusetts 1982-1984

 Research Assistant (non-academic),

 Cancer Research Institute,

New England Deaconess Hospital, Boston, Massachusetts.

1976-1982

**Professional Organizations and Memberships:**

 Regular Member, American Association of Immunologists, Federation of

 American Societies for Experimental Biology, 1989-

 Member, American Physiological Society, Federation of American Societies

 for Experimental Biology, 1989-

Member, Society for Leukocyte Biology, A Reticuloendothelial Society, 1989-

 Surgical Infection Society, 1989-

 Member, Program Committee, 1996-1999

 Education and Fellowship Committee, 1999-2002

 International Cytokine Society, 1994-

 Shock Society, 1995-

 Chairperson, Animal Use Committee, 1998-2001

 Basic Science Councilor, 1999-2002

 Society Representative to AAALAC, 1999-2001

 Program Committee, 2004-2007

**Honors and Awards:**

The Chairman’s Prize (for most highly cited publication 2004-2014), 2014

University of Florida Research Foundation Professorship, 2009-2011, 2014-2017

Shock Society Scientific Achievement Award, 2009

University of Florida President Machen Faculty Achievement Recognition, 2007

University of Florida College of Medicine Faculty Research Prize in Basic Research, 2004

 Blue Key Distinguished Faculty Award**,** 1999

University of Florida Bank Award for Highly Marketable Faculty, 1999

NIH/NIGMS MERIT Award, R37 GM40586-11, 1998-2007

Lester Dragstedt Scientist-Physician Award, 1998

University of Florida Bank Award for Excellence in Research, 1997

 Utbildningsbidrag (Educational Scholarship), H.G. Larssons and S.R. Kjellsons Foundation, Göteborgs Universitet, Göteborg Sweden, 1986

**Institutional Responsibilities:**

Member, Industry-Academic Relations Committee, University of Florida College of Medicine, 2010-

Member, Institutional Animal Care and Use Committee, University of Florida Medical College, 1995-1999, 2001-2003, 2004-

 Vice Chairman, 2006-

Member, College of Medicine Associate Professor Tenure and Promotion Committee, University of Florida, 2000-2003

 Member, University of Florida Institutional Biosafety Committee, 1999-2001

Member, Shands Hospital Radioisotope Use Committee, 1996-1997

Member, Heath Science Center Animal Resources Advisory Committee, University of Florida, 1995-1999, 2004-

Member, Center for Immunology and Transplantation, University of Florida College of Medicine 2007–

 Member,Powell Gene Therapy Center at the University of Florida, 1996 - 2007

Member, Nutrition Support Service Overview Committee, University

 of Florida College of Medicine, 1994-1999

 General Clinical Research Center Advisory Committee, University

 of Florida College of Medicine, 1993-1999

 Chairman, Institutional Animal Care and Use Committee,

 Cornell University Medical College,1991-1993 (<5% of time commitment)

Member, Institutional Animal Care and Use Committee, Cornell University Medical College, 1989-1993

**Extramural Professional Responsibilities:**

 **Extramural Awards – United States Public Health Service**

 ***Current Awards***

 T32 GM08721-21, *Molecular Biology and Gene Therapy in Burns and Trauma,*

(Principal Investigator), National Institute of General Medical Sciences. 1999 – 2024, refunded in 2008, 2014, 2019

R01 HD089939-08, *Microfluidics Assessment of Clinical Outcomes in Preterm Newborns,* (Principal Investigator), National Institute of Child Health and Development, 2017-2022

R01 GM097531-08, *Novel Mechanisms and Approaches to Treat Neonatal Sepsis,* (Co-Principal Investigator), National Institute of General Medical Sciences, 2011 – 2020, refunded in 2015

R03 AG056444-03, *The acute development and persistence of frailty, comorbidity and disability in critically ill elderly patients after severe traumatic injury: ‘induced frailty”,* (Co-Investigator) National Institute on Aging, 2017- 2020

R01 HL142776-01A1, *Role of CXCR2-mediated cell trafficking in pulmonary vascular remodeling*, (Co-Investigator), National Heart, Lung, and Blood Institute, 2019-2024

***Completed Awards***

7JK05, *Mechanisms for tobacco smoke to modulate aortic aneurysm development*, (Faculty), Florida Department of Health/James and Esther King, 2017-2020

P50GM-111152-04, *PICS: A New Horizon for Surgical Critical Care*

Frederick A. Moore, M.D. (Principal Investigator)

Lyle L. Moldawer, Ph.D. (Associate Director/Admin Core, Core Co-Lead/Core 002, Core Lead/Core 004, Project Lead/Project 002)

National Institute of General Medical Sciences, 2014 – 2019

R01GM-040586-27, *Cytokine Regulation in Sepsis/Inflammation*, (Principal Investigator), National Institute of General Medical Sciences, 2013 – 2016, No Cost Extension ended November 2017

R01GM-104481-03, *Validation of a Genomics Based Prognostic in Severe Trauma*, (Principal Investigator), National Institute of General Medical Sciences, 2013 – 2018, No Cost Extension ended April 2017

R01 DK-091443-02 *Inflammation and Repair as Determinants of Hemodialysis Fistula Maturation* (Principal Investigator), National Institute of Diabetes and Digestive and Kidney Diseases, 2011 – 2015

R01 GM-81923-01, *Myeloid Suppressor Cells in Sepsis and Trauma*, (Principal Investigator), National Institute of General Medical Sciences, 2008-2012, refunded in 2012, terminated in 2014

R01GM-101401-01, *Bedside Genomics in Severe Trauma*, (Subproject Principal Investigator), National Institute of General Medical Sciences, 2012 – 2014

UF Research Foundation, *Validation of a Genomics-Based Prognostic in Severe Trauma*, (Principal Investigator) Clinical and Translational Science Institute (CTSI) Pilot Award, 2012 - 2013

U54GM-062119-11, *Inflammation and the Host Response to Injury,*Lyle L. Moldawer, Ph.D. (Steering Committee, P.I. Proteomics Core),National Institute of General Medical Sciences, 2001-2011

R01GM-040586-23, *Cytokine Regulation in Sepsis and Inflammation*, ,Lyle L. Moldawer, Principal Investigator,National Institute of General Medical Sciences,1988 – 2012

R01GM-040586-21S1 SUPPL, *Cytokine Regulation in Sepsis and Inflammation*, Lyle L. Moldawer, Principal Investigator,National Institute of General Medical Sciences 2009 – 2011

R01GM-63041-09, *Targeted Interleukin-10 Gene Therapy in Sepsis Syndromes*; Lyle L. Moldawer, Principal Investigator,National Institute of General Medical Sciences, 2001-2009

R21GM-61807-03, *Determinants of TNF Mediated Liver Apoptosis*, Lyle L. Moldawer, Principal Investigator*,* National Institute of General Medical Sciences. 2000 - 2002

 P01HL-59412-05, *Novel Approaches to Human Gene Therapy Using Viral Vectors*

 *for Lung and Cardiovascular Diseases (Modifying the Immune Response to*

 *Adenovirus Gene Therapy with Cytokine Inhibitors, subproject #5),* Lyle L. Moldawer,Subproject

 Principal Investigator, National Institute of Heart, Lung and Blood Diseases.

 1997-2002

R01GM-53252-04, *Gene Transfer For Anti-Cytokine Therapy in Trauma/Sepsis,* Lyle L. Moldawer, Principal Investigator, National Institute of General Medical Sciences. 1994-1999

 R01CA-52108-05, *Cytokines as Endogenous Mediators of Cancer Cachexia,*

 Lyle L. Moldawer, Principal Investigator, National Cancer Institute. 1989-1995

R01 GM-34695-08, *Hormone and Cytokine Regulation in Endotoxin Injury,*

Lyle L. Moldawer, Associate Investigator, National Institute of General Medical

 Sciences. 1987-1993

T32CA-09506, *Research Training in Surgical Oncology,* Associate Investigator, National Cancer Institute, 1993-1994

 T32GM-08466-26, *Trauma and Injury Biology Research Training Program,* Lyle

 L. Moldawer, Associate Investigator, National Institute of General Medical

 Sciences. 1992-1993

 PDT #439, *Monokines and Cancer Cachexia,* American Cancer Society,

 New York City Division, 1987-1989.

 **Consulting/Industrial-Academic Liaisons**

 Scientific Consultant, Glaxo-Smith-Kline Inc., 2013-2017

 Scientific Consultant, Action Pharma N.V., 2007-2009

 Scientific Consultant, Innogenetics N.V., 2002 - 2005

 Scientific Advisory Board, Rheumatology 2010, Amgen Inc., 2002-2005

 Scientific Advisory Board, Nereus Pharmaceuticals, Inc., 2000-2002

Medical Advisory Committee for Megestrol Acetate, Bristol-Myers Squibb, Imunology/Oncology Section, 1999-2002

 Scientific Consultant, Canji Inc., San Diego, California 1999-

 Scientific Consultant, Amgen, Inc., Boulder, Colorado 1994-2002

 Scientific Consultant, Schering-Plough Research Laboratories, 1995 -2004

 Scientific Consultant, Hoffmann-La Roche, Inc., Nutley, New Jersey, 1989-1993

Scientific Consultant, Clintec Nutrition, Inc. Deerfield, Illinois, 1987-1990

Scientific Consultant, Nutritional Products Division, KabiVitrum AB, Stockholm, Sweden, 1985-1987

 Board of Advisors, Harvard/Baxter-Travenol Laboratories, Inc. Collaborative

 Agreement, New England Deaconess Hospital, Boston, Massachusetts, 1984-

 1985

 **Federal Research Advisory Groups**

Ad hoc member, Special Emphasis Panel ESI MIRA Applications, National Institute of General Medical Sciences, 2018

Ad hoc member, Combat Casualty Care Scientific Review Panel, Department of Defense, 2016-2018

Regular Member, Surgery, Anesthesiology and Trauma, Scientific Review Group, NIH-CSR, 1999, 2002-2003, 2005-2009

 Chairperson, 2007-2009

Special Site Visit and Scientific Review Group, Burn and Trauma Center and Program Project Grants, Glue Grants, National Institute of General Medical Sciences, NIH, 1988-1989, 1991, 1993, 1994, 1996, 1998-1999, 2007, 2010, 2013, 2014, 2016

Special Site Visit and Scientific Review Group, National Institute of General Medical Sciences Training Grant (Physiology and Biophysics Program), NIH, 1990, 1991, 1993, 1994, 1997, 1999

 Regular Member, Metabolic Pathology, Scientific Review Group, NIH, 1991,

 1993, 1995-1999

 Ad Hoc. Surgery B Scientific Review Group, NIH-DRS, 1993, 2005, 3006

Ad hoc member, Integrated Clinical Endocrinology and Reproduction Scientific Review Group, NIH-CSR, 2010

 Special Scientific Review Group, Pathogenesis of Wasting in AIDS #DK94-006,

 NIDDK, NIH, 1994.

Member, Metabolic Pathology Scientific Review Group, NIH-CSR, June 1995 - 1999.

Ad Hoc, Surgery and Bioengineering Scientific Review Group, NIH-DRS, 1995, 1996, 2017.

Ad Hoc. Surgery, Anesthesiology and Trauma, Scientific Review Group, NIH-CSR, 1999, 2002-2003

 **Patents**

#4,512,974 "Novel Treatment of Protein Malnourished Surgical Humans with Leucocyte Endogenous Mediator (Interleukin 1)". with G.L. Blackburn and B.R. Bistrian, 1985

#4,528,197 "A Novel Structured Lipid Emulsion" with G.L. Blackburn, B.R. Bistrian and V. Babayan, 1985

#4,542,017 "Novel Treatment of Protein Malnourished Bacterially-Infected Humans with Leucocyte Endogenous Mediator (Interleukin 1)". with G.L. Blackburn and B.R. Bistrian, 1985

#4,703,062 "Parenteral Nutrition with Medium and Long Chain Triglycerides". with V.K. Babayan, B.R. Bistrian, G.L. Blackburn and R. Cotter, 1987

#6,086,868 Method for Treating or Preventing Ischemia, Reperfusion injury, with James Seeger, Timothy Harward and Satwant Narula, 2000

patent pending, “Adeno-Associated Viral Vectors Comprising a gene encoding a cytokine or a cytokine receptor polypeptide and methods of use”, with S. Zolotukhin, S.P. Kalra, N. Muzyczka, W.W. Hauswirth and P.S. Kalra.

 **External Referee**

The MacArthur Foundation, MacArthur Genius Awards, 2013

*American Journal of Physiology*, 1984, 1985, 1987-2010

 *American Journal of Pathology,* 1995-2010

 *Archives of Surgery*, 1989, 1992, 1993. 1994-1996, 1998

 *Arthritis Research,* 2000

 *Cance*r, 1988

 *Cancer Research*, 1989, 1990, 1993, 1995, 1998-2003

 *Circulatory Shock*, 1993-1994

 *Cytokine*, 1990-2016

 *Experimental Cell Research* 1994, 1995

 *FASEB Journal,* 1995, 2004-2008

 *Frontiers,*  2010-2018

 *General Pharmacology,* 2000

 *Hormone and Metabolic Research,* 2000

 *International Journal of Immunopharmacology,* 2000

 *JAMA,* 2000, 2003

 *Journal of Endotoxin Research,* 1995*,* 2000-2003

 *Journal of Clinical Investigation*, 1989-2003, 2006, 2008, 2013-2018

 *Journal of Clinical Oncology*, 1999

 *Journal of Immunology*, 1991-2018

 *Journal of Interferon & Cytokine Research,* 1999

 *Journal of Leukocyte Biology*, 1990-1997, 1999, 2004-2008, 2013, 2015-2018

 *Journal of the National Cancer Institute*, 1990

*Journal of Nutrition*, 1982

 *Journal of Nutritional Biochemistry*, 1990, 1991,1994-1999

 *Metabolism, Clinical and Experimental*, 1982-1984. 1996-1999. 2007, 2008

 *New England Journal of Medicine,* 2010

 *Nutrition*, 1987-1989, 1995-2003

 *Nature-(all journals)* 1998, 1999, 2002, 2005, 2011, 2013, 2014, 2016-2018

 *PLoS One, 2014-2016, animal ethics editor, 2015-2018*

 *Proceedings of the National Academy of Sciences,* 1999-2003, 2006, 2006, 2010, 2014

  *Shock,*1993-2018

Member, Editorial Board, *Journal of Parenteral and Enteral Nutrition*, 1991-2001

Member, Editorial Board, *Lymphokine and Cytokine Research*, 1993-1995

Member, Editorial Board, *Journal of Interferon and Cytokine Research,* 1995-1998

 Member, Editorial Board, *Shock*, 1994-

 Associate Editor, *2001-*

 Member, Editorial Board, *Critical Care Nutrition and Medicine*, 1995-

Member, Editorial Board, *American Journal of Physiology, Regulatory, Comparative and Developmental Physiology,* 1999-

 Associate Editor, *2005-*

Member, Editorial Board, *Surgical Infections,* 1999-2000

 Member, Editorial Advisory Board, *Current Gene* Therapy, 2001-2006

 Member, Editorial Board, *Journal of Immunology, 2005-2010*

Section Editor, *Current Opinion in Clinical Nutrition and Metabolic Care, 2001-2003*

Associate Editor, *Frontiers*, 2010-2012

Academic Editor, PLoS One, 2013-

Section Editor, 2015-

 Section Editor (Animal Ethics), 2015-

**Post-Graduate Research Training - Surgical Residents in Training (current location as of 2014)**

Yuman Fong, M.D.

 *Institution & Previous degree received:* M.D., Cornell University Medical College

 *Research Project:* *Cytokine (TNF) Responses in Sepsis*

 *Training Period:* 07/87-06/89

*Current Position:* Chairman, Department of Surgery, City of Hope Comprehensive Cancer Center, Duarte, California.

Mark Silen, M.D.

 *Institution & Previous degree received:* M.D., Harvard Medical School

 *Research Project:* *Cytokine Production by Neonates*

 *Training Period:* 07/87-06/89

 *Current Position:* Surgeon and Chief, Doernbecher Children’s Hospital, Oregon

 Health and Science University

Michael A. Marano, M.D.

 *Institution & Previous degree received:* M.D., UMDNJ-College of Medicine

 *Research Project:* *Burn Injury and the Hypermetabolic Response*

 *Training Period:* 07/89-06/89

*Current Position:* Attending Burn Surgeon, UMDNJ-St. Barnabas Medical Center

Eva Fischer, M.D.

 *Institution & Previous degree received:* M.D., Cornell University Medical College

 *Research Project:*  *IL-1ra in Critical Illness*

 *Training Period:* 07/89-06/91

*Current Position:* Attending Surgeon, Suffern, NY

Kimberly Van Zee, M.D.

 *Institution & Previous degree received:* M.D., Harvard Medical School

 *Research Project:* *Shedding of TNF Receptors in Sepsis*

 *Training Period:* 07/90-03/93

*Current Position:* Attending Surgeon, Memorial Sloan-Kettering Cancer Center, Professor of Surgery, Weil Cornell Medical College, New York, New York

Douglas D. Lazarus, Ph.D.

 *Institution & Previous degree received:* Ph.D., Rutgers University

 *Research Project:* *IGF-I Metabolism In Sepsis*

 *Training Period:* 07/90-06/93

 *Current Position:* Staff Scientist, Proscript, Inc., Cambridge, Massachusetts

Hester S.A. Oldenburg, M.D., Ph.D.

*Institution & Previous degree received:* M.D., Ph.D., Vriej University of the Netherlands

 *Research Project:* *Role of IL-1 and IL-6 in the Acute Phase Response*

 *Training Period:* 07/91-06/93

*Current Position:* Staff Surgeon, The Netherlands Cancer Institute, Amsterdam, The Netherlands

Michael Rogy, M.D.

 *Institution & Previous degree received:* M.D., University of Vienna

 *Research Project:* *Cytokines in Sepsis, Use of Gene Therapy*

 *Training Period:* 07/91-04/94

 *Current Position:* Professor of Surgery, University of Vienna

Craig S. Rock, M.D.

 *Institution & Previous degree received:* M.D., SUNY-Downstate Medical Center

 *Research Project:* *Acute Phase Protein Synthesis in Human Endotoxemia*

*Training Period:*  07/90-06/93

*Current Position:* 1993-1995, Hand-Microsurgery Fellowship, Univ. Texas-Houston, Current position unknown

William A. Thompson, M.D.

*Institution & Previous degree received:* M.D., University of Alabama, Birmingham

 *Research Project:* *PAF and Septic Shock*

 *Training Period:* 07/90-06/92

*Current Position:* 1992-1994, Surgical Oncology Fellowship, M.D. Anderson Cancer Center, Currently in private practice.

Walton Montegut, M.D.

 *Institution & Previous degree received:*  M.D., LSU College of Medicine

 *Research Project:* *Primate Models of Bacteremic Shock*

 *Training Period:*  07/92-06/94

*Current Position:* 1994-1996, Plastic Surgery Fellowship, LSU College of Medicine, Currently in private practice.

N. Joseph Espat, M.D.

*Institution & Previous degree received:* M.D., University of Florida College of Medicine

 *Research Project:* *CNTF and Cachexia*

 *Training Period:* 07/92-06/94

 *Current Position:* Professor of Surgery and Director, Roger Williams Medical Center,

 Providence, Rhode Island

Paul D. Edwards, M.D.

*Institution & Previous degree received:* M.D., Duke University College of Medicine

 *Research Project:* *Gene Therapy in Trauma and ARDS*

 *Training Period:* 07/94-06/96

*Current Position:* 1996-1997, General Surgery Residency, University of Florida, 1997- Research Fellowship, Univ. of Florida Wound Center and Dept. Surg., 1999-2001, Plastic Surgery Residency, McGill University, Montreal, Canada. 2001-2003, Microsurgery Fellowship, Children's Hospital of Boston (Harvard Medical School), Boston, Massachusetts, Plastic Surgeon, Huntington, West Virginia

M. Burress Welborn, M.D.

*Institution & Previous degree received:*  M.D., Vanderbilt University College of Medicine

 *Research Project:* *Cytokine Production in Reperfusion Injury*

 *Training Period:* 07/94-06/95

*Current Position:*  1995-1998, General Surgery Residency, University of Florida, 1998-1999, Staff Surgeon, Gainesville VA Medical Center

1999-2001 Vascular Surgery Fellowship, University of Florida, 2001-, Assistant Professor of Surgery, University of Texas, Sowthwestern Medical Center, Dallas, Texas, private practice in Huntsville, Alabama.

Jeffrey Pruitt, M.D.

*Institution & Previous degree received:* M.D. University of Texas, Southwestern Medical Center

 *Research Project:* *Shedding of IL-1 Receptors in Sepsis*

 *Training Period:* 07/94-06/95

*Current Position:* 1995-1996, General Surgery Residency, University of Florida, 1996-2000, Radiology Residency, University of Texas, Southwestern Medical Center, 2000-, Associate Professor of Radiology, University of Texas, Southwestern Medical Center, Dallas, Texas

Atsushi Kaibara, M.D.

 *Institution & Previous degree received:* M.D., Kurume University, Japan

 *Research Project:* *Neurokines and Cachexia*

 *Training Period:* 07/94-06/96

*Current Position:* Assistant Professor of Surgery, Department of Surgery II, Kurume University, Japan

Philip J. Hess, M.D.

 *Institution & Previous degree received:* M.D., East Carolina College of Medicine

 *Research Project:* *IL-10 Therapies in Ischemia Reperfusion Injury*

 *Training Period:* 07/95-06/96

*Current Position:*  1996-1998, General Surgery Residency, University of Florida 1998- Cardiothoracic Surgery Fellowship, University of Florida

2000-2003 private practice, adjunct appointment, University of North Carolina, 2003- Clinical Assistant Professor of Cardiothoracic Surgery, University of Florida College of Medicine, Gainesville, Florida

Carmen C. Solorzano, M.D.

*Institution & Previous degree received:* M.D., University of Florida College of Medicine

 *Research Project:* *Cytokines and Liver Apoptotic Injury*

 *Training Period:* 07/95-06/96

 *Current Position:*  1996-1998, General Surgery Residency, University of Florida

1998-, T32 Surgical Oncology Fellowship, M.D. Anderson Cancer Center, Houston,Texas 1999-2002 Surgical Oncology Fellowship, M.D. Anderson Cancer Center, Houston, Texas, 2003- Associate Professor of Surgery, Vanderbilt University, Nashville, Tennessee

Eddie K. Abdalla, M.D.

*Institution & Previous degree received:*  M.D., University of Michigan College of Medicine

 *Research Project:* Pathogenesis of Adenovirus Gene Therapy

 *Training Period:* 07/96-06/97

*Current Position:*  1997-1999, General Surgery Residency, University of Florida, 1999- Surgical Oncology Fellowship, M.D. Anderson Cancer Center

2003, Professor of Surgery, M.D. Anderson Cancer Center, Houston, Texas Cancer Center

Michael Josephs, M.D.

*Institution & Previous degree received:* M.D., Georgetown University School of Medicine

 *Research Project:* *FasL Mediated Hepatic Injury*

 *Training Period:* 07/96-06/97

*Current Position:* 1997-2000, General Surgery Residency, University of Florida 2000-2003, Pediatric Surgery Fellowship, University of Cincinnati, 2003-2006, Private Practice, Austin, Texas

Riadh Ksontini, M.D.

 *Institution & Previous degree received:* M.D., University of Lausanne

 *Research Project:* *Cell-Associated TNF Mediated Organ Injury*

 *Training Period:*  07/95-06/97

 *Current Position:* 1997-2005, General Surgery Residency, University of Lausanne, Private Practice in Aigle, Switzerland

Jason J. Rosenberg, M.D.

*Institution & Previous degree received:* M.D., University of Florida College of Medicine

 *Research Project:* *Apoptosis in Primate Bacteremia*

 *Training Period:*  07/97-06/98

*Current Position:* 2003-2005, Assistant Professor of Plastic Surgery, University of Florida College of Medicine, Gainesville, Florida, currently in private practice

Gregory Gaines, M.D.

 *Institution & Previous degree received:* M.D., University of Texas, Galveston

 *Research Project:* *Cytokine Expression in Ischemia Reperfusion Injury*

 *Training Period:* 07/97-06/98

*Current Position:* 2001-2003, Plastic Surgery Fellowship, University of Alabama-Birmingham, currently in private practice, in Gainesville, Florida

Monika Nowak, Ph.D.

 *Institution & Previous degree received:* Ph.D., University of Ottawa

 *Research Project:* *NF-KB Mediated Signal Transduction*

 *Training Period:* 09/97-06/98

 *Current Position:* extended maternity leave, lost to follow up

Kunitaro Fukuzuka, M.D.

*Institution & Previous degree received:* M.D., National Defense Medical College, Saitama, Japan

 *Research Project:* *FasL and TNF Expression in Burn Injury*

 *Training Period:*  07/97-05/99

*Current Position:* returning to faculty, National Defense Medical College, Saitama, Japan

Rebecca M. Minter, M.D.

*Institution & Previous degree received:* M.D., University of Texas Southwestern Medical Center

 *Research Project: Adenovirus Mediated Gene Therapy*

 *Training Period:* 07/98-06/00

*Current Position:* Professor of Surgery, General Surgery Section, University of Michigan College of Medicine

John E. Rectenwald, III M.D.

*Institution & Previous degree received:* M.D., Medical College of Georgia

 *Research Project: Mechanisms of Neointimal Formation*

 *Training Period:* 07/98-06/00

*Current Position:* Associate Professor of Surgery, University of Michigan

Frank J. Wessels, M.D.

*Institution & Previous degree received:* M.D., Albany Medical College

 *Research Project:* *Gene Therapy for Colon Cancer*

 *Training Period:* 07/99-06/00

*Current Position:* Private Practice, Raleigh, NC

Caroline V. Oberholzer, M.D.

 *Institution & Previous degree received:* M.D., University of Zurich, Switzerland

 *Research Project:* *Targeted Gene Therapy Approaches for Dendritic Cells*

 *Training Period:* 07/99-06/01

*Current Position:* Extended Maternity Leave

Andreas L. Oberholzer, M.D.

 *Institution & Previous degree received:* M.D., University of Zurich, Switzerland

 *Research Project: Apoptosis as a Target for the Septic Patient*

 *Training Period:* 07/99-06/01

*Current Position:* Assistant Professor of Surgery (equiv). Benjamin Franklin Medical College at the Free University of Berlin, Germany

Michelle E. Murday, M.D.

 *Institution & Previous degree received:* M.D., Eastern Virginia Medical School

*Research Project: Pharmacokinetics of IL-10 and Mechanism of IL-10 in Inflammation as Pertains to NF-B*

 *Training Period:* 07/00-06/01

*Current Position:* Fellow, Colorectal Surgery, Orlando Regional Medical Center, Orlando, FL, in private practice Salt Lake City, UT

Elizabeth J. Bray, M.D.

*Institution & Previous degree received:* M.D., University of Florida College of Medicine

*Research Project: Genetic Approaches to Understanding and Treating Vascular Disease*

 *Training Period:* 07/00-06/01

*Current Position:* 2001-2004, Radiology Residency, University of Florida College of Medicine, currently Assistant Professor of Radiology at University of Florida and Director, Diagnostic Radiology Program

Heather N. Paddock, M.D.

*Institution & Previous degree received:* M.D., Wake Forest University

 *Research Project:* *Assessment of Gene Expression in Burns and Chronic Wounds*

 *Training Period:* 07/00-06/02

*Current Position:* 2002-2005, General Surgery Residency, Department of Surgery, University of Florida Jacksonville, 2005-2007, Pediatric Critical Care Fellowship, Ohio State University, pediatric surgery fellowship, University of Florida College of Medicine. 2007-2009, Was Assistant Professor,

Department of Surgery, Duke University College of Medicine, Currently Instructor in Surgery at

Loyola‐Stritch in Pediatric Acute Care Surgery

Frances R. Bahjat, Ph.D.

*Institution & Previous degree received:* Ph.D., University of Florida

 *Research Project:* *Genetic Determinants of TNF-a Mediated Liver Injury*

 *Training Period:* 07/97-05/02

*Current Position:* Research Research Assistant Professor, Department of Molecular Microbiology & Immunology, Oregon Health & Sciences University (OHSU)

Robert J. Feezor, M.D.

*Institution & Previous degree received:* M.D., Medical College of Virginia

*Research Project:* *Genomic and Proteomic Expression Profiling in Mesenteric Ischemia Reperfusion*

 *Training Period:* 07/01-06/03

*Current Position:* 2003-2006, General Surgery Residency, University of Florida College of Medicine, 2006-2008, Vascular Surgery Fellowship, University of Florida College of Medicine, 2008- Associate Professor of Surgery, University of Florida College of Medicine and the Malcom Randall VA Medical Center

Douglas J. Minnich, M.D.

*Institution & Previous degree received:* M.D., Indiana University

 *Research Project:* *Lung Injury with Systemic Inflammation*

 *Training Period:* 07/02-06/03

*Current Position:* 2003-2005, General Surgery Residency, University of Florida College of Medicine, 2005-2008, Cardiothoracic Fellow, Massachusetts General Hospital Boston, 2008- Associate Professor of Surgery, University of Alabama, Birmingham

Philip A. Efron, M.D.

*Institution & Previous degree received:* M.D., University of Maryland

 *Research Project:* *The Role of Dendritic Cells in Sepsis*

 *Training Period:* 07/01-06/04

*Current Position:* 2004-2007, General Surgery Residency, University of Florida College of Medicine, 2007-2008, Critical Care Fellowship, Washington University in St. Louis, 2008-2009, Associate Professor of Surgery in Acute Care Surgery, University of Florida College of Medicine and Co-Director of the Laboratory of Inflammation Biology and Surgical Science

Joyce I. Barreda, M.D.

 *Institution & Previous degree received:* M.D.,University of Virginia

*Research Project:* *Inflammatory Response and Genomic Patterns of SIRS in Burns, Trauma and Sepsis*

 *Training Period:* 07/02-06/04

*Current Position:* Pediatric Residency, currently in private practice, Columbia, SC

Priscilla McAuliffe, M.D., Ph.D.

*Institution & Previous degree received:* M.D.,Weill Medical College of Cornell University*,* Ph.D., University of Florida

 *Research Project: Protease inhibition in the treatment of intimal hyperplasia*

 *Training Period:* 07/02-6/05

*Current Position:* 2005-2008, General Surgery Residency, University of Florida College of Medicine, completed Surgical Oncology Fellowship, M.D.Anderson Cancer Center. Currently an Assistant Professor of Surgery at the University of Pittsburgh, Surgical Oncology Division

Tadashi Matsumoto, M.D., Ph.D.

 *Institution & Previous degree received:* M.D., Ph.D., Showa University, Japan

*Research Project:* *Ischemic Preconditioning in Liver resections (Human Patient) and Effect of Liver Ischemic Preconditioning on Hepatectomy and Systemic Inflammation (Mouse model)*

 *Training Period:* 09/03-6/05

*Current Position:* returning to faculty, Japan (Assistant Professor)

Sven K. Tschoeke, M.D.

 *Institution & Previous degree received:* M.D., Technical University, Munich, Germany

*Research Project: Inflammation-induced IL-18 synthesis: Molecular regulatory mechanisms and its modulation through gene therapy*

 *Training Period:* 09/03-12/04

*Current Position:* Assistant Professor, Department of Trauma and Reconstructive Surgery, University Hospitals Berlin

Hironori Tsujimoto, M.D.

 *Institution & Previous degree received:* M.D., National Defense Medical College, Japan

*Research Project: Dendritic cells function and gene profiles induced by Toll-like receptor agonists*

 *Training Period:* 10/03-09/04

*Current Position:* returning to faculty, National Defense Medical College, Japan (Assistant Professor)

Philip Scumpia, M.D., Ph.D.

 *Institution & Previous degree received:* B.S., University of Florida, Gainesville, FL

*Research Project:*

 *Training Period:* 07/04-07/07

*Current Position:* 2007obtained Ph.D. University of Florida College of Medicineand IDP Graduate Student (Ph.D. Candidate) University of Florida. M.D. obtained 2009, University of Florida College of Medicine. Completed intern year of Dermatology Residency, University of Florida College of Medicine, completed Dermatology residency at UCLA, Instructor, Department of Dermatology, UCLA, Los Angeles, California

Takefumi Uchida, M.D.

 *Institution & Previous degree received:* M.D., National Defense Medical College, Japan

 *Research Project: The Genomics of Dendritic Cell Maturation*

 *Training Period:* 10/04-9/05

*Current Position:* returning to faculty, Japan (Assistant Professor)

Kerri A. O’Malley, Ph.D.

 *Institution & Previous degree received:* Ph.D., University of Pennsylvania

*Research Project: (1) Role of regulatory dendritic cells in trauma and sepsis*

*(2) Investigating the mechanisms of hepatic protection from ischemia/reperfusion injury*

 *Training Period:* 12/04 - 07/07

*Current Position:* Post-Doctoral fellowship, Division of Vascular Surgery, University of Florida College of Medicine, 2007-2009, Research Assistant Professor, Department of Surgery, Division of Vascular Surgery, University of Florida College of Medicine.

Matthew J. Delano, M.D., Ph.D.

 *Institution & Previous degree received:* M.D., Temple University

*Research Project: The Role of T Regulatory Cells in the Sepsis Syndrome*

 *Training Period:* 7/05 – 6/09

*Current Position:*  T32 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicineand IDP Graduate Student (Ph.D.awarded 2008) University of Florida. Completed Surgical residency University of Florida College of Medicine. Completed a locum at Ocala Regional Medical Center Levell II trauma center before entering a CCM fellowship at UW-Harborview Medical Center in July, 2013. Currently, Assistant Professor of Surgery, University of Michigan School of Medicine, Ann Arbor, Michigan

James L. Wynn, M.D.

 *Institution & Previous degree received:* M.D., University of Florida

*Research Project: Evaluation and Characterization of Immunological Changes in Murine Neonatal Sepsis*

 *Training Period:* 7/05 – 7/08

*Current Position:* PGY4 Neonatology and Perinatology Fellow, Department of Pediatrics, University of Florida College of Medicine **,** Assistant Professor of Neonatology, Duke University Medical Center, 2008-2012, Assistant Professor Division of Neonatal-Perinatal Medicine, Department of Pediatrics Vanderbilt University Medical Center, Currently Associate Professor of Pediatrics, Pathology, Immunology, and Experimental Medicine University of Florida College of Medicine

Robert Winfield, M.D.

 *Institution & Previous degree received:* M.D., Southern Illinois University

*Research Project: Focal Adhesion Kinase Expression in a Murine Model of Neonatal Sepsis*

 *Training Period:* 7/06 – 7/08

*Current Position:* Completed T32 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completed a fellowship, Trauma Surgery/Surgical Critical Care. University of California-San Diego Medical Center. Currently, an Assistant Professor of Surgery in Acute Care Surgery at Washington University in St. Louis

Claudia Moreno, M.D.

 *Institution & Previous degree received:* M.D., University of Puerto Rico School of Medicine

*Research Project: The Effect of Burns and Burns and superimposed Pseudomonas infection on the Inflammatory Cell Response and Survival in Mice*

*Training Period:* 7/06 – 7/08

*Current Position:*  Completed Psychiatry residency, UF. Currently completing a Psychiatry Fellowship at Yale University, Department of Psychiatry, Division of Adolescent and Pediatric Psychiatry. Currently an Assistant Professor of Psychiatry at the University of Florida-Jacksonville

Nobutaka Iwakuma, M.D., Ph.D.

*Institution & Previous degree received:* M.D., Ph.D., Kurme University School of Medicine, Japan

*Research Project: Nano Particles to Characterize Dendritic Cell Function*

 *Training Period:* 9/06 – 06/09

*Current Position:* returned to Japan, Kurme University

Alex Cuenca, M.D., Ph.D.

 *Institution and Previous degree received:* M.D. University of Florida College of Medicine

*Research Project: Myeloid Derived Suppressor Cells Activate Innate Immunity in the Tumor Bearing Host.*

 *Training Period:* 7/08 –6/12

*Current Position:* Dr. Cuenca has completed his training under the T32 training program and completed a NRSA Individual Postdoctoral Fellowship (F132GM093665-01) entitled “TLR4 Signaling in the Innate Immune Response to Neonatal Sepsis”. He has earned a Ph.D. in the IDP Program, University of Florida. Completed Surgical Residency, University of Florida College of Medicine. Completed Fellowship in Pediatric Surgery and Transplant Surgery, Children’s Hospital, Harvard Medical School, Boston, Massachusetts. Current Assistant Professor of Surgery and Staff Surgeon, Pediatric and Transplant Surgery Boston Children’s Hospital

Elizabeth Warner, M.D.

 *Institution and previous degree received:* M.D. University of Texas, Houston

*Research Project: Predicting Outcome from ARDS by Genomic Signatures obtained from Blood and BAL Neutrophils*

*Training Period:*  7/07-6/09

Current Position: Research Fellow. Completed Post-doctoral Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completing Surgical Residency, University of Florida College of Medicine. Completed a MIS/Bariatrics Fellowship at UW-Harborview Medical Center, Seattle, Washington. Currently in private practice, Springfield, Illinois

Kindra Kelly-Scumpia, Ph.D.

 *Institution and Previous degree received* Ph.D., University of Florida College of Medicine

*Research Project:* The Role of Acquired Immunity in regulating Innate Immune Responses to Sepsis.

*Training Period* 4/08- 06/10

*Current Position:* CompletedT32 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Currently Post-doctoral fellowship at UCLA, Department of Pathology, PI: Dr. Kenneth Dorshkind

Khayree Butler, M.D.

 *Institution and Previous degree received:* M.D. University of Maryland, School of Medicine

*Research Project:*

 *Training Period:* 7/10 – 6/12

*Current Position:* Completed NIH/NIGMS T32 GM008721 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completed Surgical residency, University of Florida College of Medicine. Currently Surgical Oncology Fellowship, John Wayne Cancer Center, Orange County, California

Lori Filichia Gentile, M.D.

 *Institution and Previous degree received:* M.D. University of Florida College of Medicine

*Research Project:* The Role of the Inflammasome in Neonatal Sepsis

 *Training Period:* 7/11 – 6/14

*Current Position:* Completed NIH/NIGMS T32 GM008721 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completed Surgical residency, University of Florida College of Medicine. Completed Breast Fellowship at Memorial Sloan Kettering Cancer Center, New York, NY. Currently private practice in Breast Surgery, Novant Health Cancer Institute - Lake Norman, Huntersville NC

Kenneth DeSart, M.D.

 *Institution and Previous degree received:* M.D. Medical College of Georgia

*Research Project:* Alk5 Deletion in the Development of Thoracic Aortic Aneurysm Development

 *Training Period:* 7/11 – 6/14

*Current Position:* CompletedT32 Research Fellowship and third year Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completed Surgical residency, University of Florida College of Medicine. Currently in private practice Coastal Vascular & Vein Center, South Carolina

Erin Vanzant, M.D.

 *Institution and Previous degree received:* M.D. University of Texas San Antonio

*Research Project: Genomic Changes in Acute Illness*

 *Training Period:* 7/12 – 6/14

*Current Position:* CompletedResearch Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completed Surgical residency, University of Florida College of Medicine. Completed fellowships in surgical critical care and acute care surgery at the University of Florida. Currently Assistant Professor Division of Acute Care Surgery, University of Florida College of Medicine.

Benjamin Szpila, M.D.

 *Institution and Previous degree received:* M.D. University of Arkansas for Medical Sciences

*Research Project: Analysis of gene responses in acute kidney injury associated with trauma*

 *Training Period:* 7/13 – 6/16

*Current Position:* Completed T32 Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completed Surgical residency, University of Florida College of Medicine. Currently Vascular Surgery Fellowship, Washington University in St Louis

Brittany Mathias, M.D.

 *Institution and Previous degree received:* M.D. Rush University

*Research Project:*  *Adjuvant Therapy and the Role of the Microbiome in Neonatal Innate Immunity*

 *Training Period:* 7/14 – 6/16

*Current Position:* Completed T32 Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completed Surgical residency, University of Florida College of Medicine. Currently Breast Surgery Fellowship Moffitt Cancer Center Tampa FL

Juan Mira, M.D.

*Institution and Previous degree received*: M.D. University of Michigan Medical School

*Research Project: Hematopoietic Stem Cell Dysfunction in the Elderly after Severe Injury Training Period*: 7/15- 6/17

*Current Position*: Completed T32 Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Completed Surgical residency, University of Florida College of Medicine. Currently completing Surgical Oncology fellowship, University of North Carolina School of Medicine, Chapel Hill NC

Tyler Loftus, M.D.

*Institution and Previous degree received*: M.D. Medical University of South Carolina

*Research Project: The Impact of Aging on Persistent Injury-Associated Anemia*

*Training Period*: 7/15- 6/17

*Current Position*: Completed T32 Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine, Surgical residency, and Surgical Critical Care Fellowhship, University of Florida College of Medicine. Currently Assistant Professor, Division of Acute Care Surgery, Department of Surgery, University of Florida College of Medicine

Steven Raymond, M.D.

 Institution and Previous degree received: M.D. University of Florida College of Medicine

 Research Project: *Novel Mechanisms and Approaches to Treat Neonatal Sepsis*

 Training Period: 7/16- 6/18

Current Position: Completed Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Currently completing Surgical residency, University of Florida College of Medicine

Nick Lysak, M.D.

*Institution and Previous degree received*: M.D. Emory University School of Medicine

*Research Project: Urinary molecular and metabolic signature of post-operative acute kidney injury (NavigateAKI)*

*Training Period*: 7/16- 6/18

*Current Position*: Completed Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Currently completing Surgical residency, University of Florida College of Medicine

Hiroyuki Horiguchi, M.D.

*Institution and Previous degree received*: M.D. Graduated from National Defense Medical College. Residency at National Defense Medical College Hospital

*Research Project: Murine Studies in Severe Sepsis and Trauma*

*Training Period*: 5/17- 3/18

*Current Position*: Completed Visiting Research Scholar position, returned to Department of Surgery, National Defense Medical College, Tokorozawa, Japan

Julie Stortz, M.D.

*Institution and Previous degree received*: M.D. University of Missouri-Columbia

*Research Project: Migration and Differentiation of MDSCs in Sepsis*

*Training Period*: 7/16- 6/19

*Current Position*: Completed T32 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Currently completing Surgical residency, University of Florida College of Medicine

Elizabeth Miller, M.D.

*Institution and Previous degree received*: M.D. Wake Forest School of Medicine

*Research Project: The Effects of Selective Beta Blockade in Severe Trauma*

*Training Period*: 7/17- 6/19

*Current Position*: Completed T32 Research Fellowship, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Currently Anesthesiology resident, University of Florida College of Medicine

Russell Hawkins, M.D.

Institution and Previous degree received: M.D. University of Texas Medical School

Research Project: Novel Mechanisms and Approaches to Treat Neonatal Sepsis

Training Period: 7/17- 6/20

Current Position: T32 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Currently completing Surgical residency, University of Florida College of Medicine

Michael Cox, M.D.

 Institution and Previous degree received: M.D. The Brody School of Medicine at East Carolina

University

Research Project: The development of frailty in older patients following sepsis and trauma

Training Period: 7/18- 6/20

Current Position: T32 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine. Currently completing Surgical residency, University of Florida College of Medicine

Dijoia Darden, M.D.

Institution and Previous degree received: M.D. University of Tennessee College of Medicine
Research Project: Genomic Expression Patterns in Sepsis and Trauma

Training Period: 7/19- present

Current Position: T32 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine

Brittany Fenner, M.D.

Institution and Previous degree received: M.D. University of Kentucky College of Medicine
Research Project: Differing immune responses as a function of age using novel microfluidic technologies

Training Period: 7/20- present

Current Position: T32 Research Fellow, Laboratory of Inflammation Biology and Surgical Science, Department of Surgery, University of Florida College of Medicine

Lauren Kelly, M.D.

Institution and Previous degree received: M.D. Rutgers-New Jersey Medical School
Research Project: Role of traumatic injury, inflammation, and stress on red blood cell development in the bone marrow

Training Period: 7/20- present

Current Position: T32 Research Fellow, Department of Surgery, University of Florida College of Medicine

Erik Anderson, M.D.

Institution and Previous degree received: M.D. Georgetown University School of Medicine
Research Project: Characteristics of inflammation biology in patients with vascular disease and renal insufficiency

Training Period: 7/20- present

Current Position: T32 Research Fellow, Division of Vascular Surgery, Department of Surgery, University of Florida College of Medicine

**Pre-Graduate Research Training.**

Frances R. Bahjat, Ph.D.

 *Institution & Thesis degree received:* Ph.D., University of Florida

 *Research Project:* *Genetic Determinants of TNF-a Mediated Liver Injury*

 *Training Period:* 07/97-05/02

 *Academic Advisor Position: Thesis Committee, Primary Advisor*

*Current Position:* Completed Ph.D., IDP Program in 2002, University of Florida. After graduation employed as Research Assistant Professor at Oregon Health & Sciences University (OHSU) in the Dept. of Molecular Microbiology & Immunology. Currently Senior Director, In vivo Studies

Bristol-Myers Squibb, Redwood City, CA

Justin DeBernardis, M.S.

 *Institution & Thesis degree received:* M.S., University of Florida

*Research Project:* *Phenotypic Changes in Dendritic Cells when Challenged with Cow Pox VirusTraining Period:* 09/02-08/04

*Academic Advisor Position:* Thesis Committee, Primary Advisor

*Current Position:* Seeking employment in Pharmaceutical Industry

Priscilla McAuliffe, M.D., Ph.D.

*Institution & Thesis degree received:* Ph.D., University of Florida

 *Research Project: Protease inhibition in the treatment of intimal hyperplasia*

 *Training Period:* 07/02-6/05

 *Academic Advisor Position:* Thesis Committee, Primary Advisor

*Current Position:* 2005-2008, General Surgery Residency, University of Florida College of Medicine, Completed a Surgical Oncology Fellowship, UT MD Anderson Cancer Center, Houston TX. Currently a faculty/clinician at the University of Pittsburgh, Surgical Oncology Division..

Philip Scumpia, M.D., Ph.D.

 *Institution & Thesis degree received :*Ph.D.., University of Florida, Gainesville, FL

*Research Project: Altered Myelopoiesis in Sepsis*

 *Training Period:* 07/04-07/07

*Academic Advisor Position: Thesis Committee and Primary Advisor*

*Current Position:* 2007obtained Ph.D. University of Florida College of Medicineand IDP Graduate Student. M.D. obtained 2009 University of Florida College of Medicine. Dermatology Fellowship UCLA.

Matthew J. Delano, M.D., Ph.D.

 *Institution & Thesis degree received:* Ph.D, University of Florida College of Medicine

*Research Project: The Role of MDSCs Cells in the Sepsis Syndrome*

 *Training Period:* 7/05 – 7/08

 *Academic Advisor Position:* Thesis Committee and Primary Advisor

*Current Position:*  Currently, completed a locum at Ocala Regional Medical Center Levell II trauma center before entering a CCM fellowship at UW Harborview Medical Center in July, 2013. Currently Assistant Professor at the University of Michigan, Division of Acute Care Surgery

Amanda Rice, Ph.D.

 *Institution and Thesis degree received:* Ph.D., University of Florida College of Medicine

 *Research Project: The Role of IFN signaling on host Immunity to Orthopox infections.*

 *Training Period:* 7/04-7/08

 *Academic Advisor Position:* Thesis Committee

 *Current Position:* Post-Doctoral Fellow, University of Florida College of Medicine

Amy MacNeil, D.V.M, Ph.D.

 *Institution and Thesis degree received:* Ph.D., University of Florida College of Medicine

 *Research Project: Mevhanisns of Pathogenesis with Orthopox infections.*

 *Training Period:* 7/03 -7/07

*Academic Advisor position:* Thesis Committee

*Current Position:*  Assistant Professor of Medicine, University of Illinois School of Veterinary Medicine

Alex Cuenca, M.D., Ph.D.

 *Institute and Thesis degree received: Ph.D. (2011) University of Florida College of Medicine*

*Research Project:*  *Myeloid Derived Suppressor Cells Activate Innate Immunity in the Tumor Bearing Host.*

*Training Period:* 7/08 –6/12

 *Academic Advisor position:* Thesis Committee and Primary Advisory

*Current Position:* Dr. Cuenca has completed his training under the T32 training program and completed a NRSA Individual Postdoctoral Fellowship (F132GM093665-01) entitled “TLR4 Signaling in the Innate Immune Response to Neonatal Sepsis”. He has earned a Ph.D. in the IDP Program, University of Florida. Completed surgical residency University of Florida College of Medicine. Currently Pediatric Surgery Fellowship at the Children’s Hospital/

Harvard Medical School in Boston, MA

David Holden, Ph.D.

 *Institute and Thesis degree received: M.D./Ph.D (2018 earned University of Florida College of Medicine)*

*Research Project: DAMPs and PAMPs as Initiators of the Inflammatory Response in Trauma*

*Training Period:* 8/13 – 4/18

 *Academic Advisor position:* Thesis Committee and Primary Advisory

 *Current Position:* MSIII, Ph.D. completed,returned to medical school in May 2018

**Original Peer Reviewed Publications (in chronological order),**

***Google Scholar* *h-index = 102***

***i-10 Index = 373***

***total number of citations, 37,859 (5/2018)***

1) **Moldawer, L.L.,** Nakano, Y., Trerice, M.S., Etter, G.P., Bistrian, B.R., Flatt, J.P., Blackburn, G.L. Ability of fat to preserve cell-mediated immunity in rats. *Surgical Forum* 28:67-69, 1977.

2) **Moldawer, L.L**., Trerice, M., Flatt, J.P., Bistrian, B.R., Blackburn, G.L. A protein sparing model in the rat during hypocaloric feedings. *Journal of Surgical Research* 25:424-432, 1978.

3) Blackburn, G.L., **Moldawer , L.L.**, Bothe, A., Usui, S., O'Keefe, S.J.D., Bistrian, B.R. Branched chain amino acid administration and metabolism during starvation, injury and infection. *Surgery* 86:307-315, 1979.

4) **Moldawer , L.L.**, O'Keefe, S.J.D., Bothe A., Bistrian, B.R., Blackburn, G.L. In vivo demonstration of the nitrogen sparing mechanisms for glucose and amino acids in the injured rat. *Metabolism, Clinical and Experimental* 29:173-180, l980.

5) O'Keefe, S.J.D., **Moldawer , L.L.**, Young, V.R., Blackburn, G.L. The influence of intravenous nutrition on protein dynamics following surgery. *Metabolism, Clinical and Experimental* 30:1150-1158, l981.

6) Harvey, K.B., **Moldawer , L.L.**, Bistrian, B.R., Blackburn, G.L. Biological measures for the formulation of a hospital prognostic index. *American Journal of Clinical Nutrition* 34:2013-2022, l981.

7) **Moldawer , L.L.**, Bistrian, B.R., Blackburn, G.L. Factors determining the preservation of protein status during dietary protein deprivation. *Journal of Nutrition* 111:1287-1296, 1981.

8) Desai, S.P., Bistrian, B.R., **Moldawer , L.L.**, Blackburn, G.L. Plasma amino acid concentrations during branched chain amino acid administration in stressed patients. *Journal of Trauma* 22:747-752, l982.

9) Blackburn, G.L., Phinney, S.D., **Moldawer , L.L.** Mechanisms of nitrogen sparing with severe calorie restricted diets. *International Journal of Obesity* 5:215-216, 1981.

10) Keenan, R.A., **Moldawer , L.L.**, Sakamoto, A., Blackburn, G.L. The effect of leukocyte endogenous mediator(s) (interleukin 1) on insulin and substrate profiles in the fasted rat. *Journal of Surgical Research* 33:151-157, l982.

11) Kawamura, I., **Moldawer , L.L.**, Keenan, R.A., Batist, G., Bothe, A., Bistrian, B.R., Blackburn, G.L. Altered amino acid kinetics in rats with progressive tumor growth. *Cancer Research* 42:824-829, l982.

12) Keenan, R.A., **Moldawer , L.L.**, Yang, R.D., Kawamura, I., Blackburn, G.L., Bistrian, B.R. An altered response by peripheral leukocytes to synthesize or release leukocyte endogenous mediator (interleukin 1) in critically-ill, protein malnourished patients. *Journal of Laboratory and Clinical Medicine* 100:844-857, 1982.

13) Sakamoto, A., **Moldawer , L.L.**, Palombo, J.D., Desai, S.P., Bistrian, B.R., Blackburn, G.L. Alterations in tyrosine and protein kinetics produced by injury and branched chain amino acid administration. *Clinical Science* 64:321-331, l983.

14) **Moldawer , L.L.**, Kawamura, I., Bistrian, B.R., Blackburn, G.L. The contribution of phenylalanine to tyrosine metabolism in vivo: Studies in the post-absorptive and phenylalanine-loaded rat. *Biochemical Journal* 210:810-817, 1983.

15) Sobrado, J., Maiz, A., Kawamura, I., **Moldawer , L.L.**, Bistrian, B.R., Blackburn, G.L. Effect of dietary protein depletion on survival to pseudomonas pneumonia and nonspecific immune responses in the guinea pig. *American Journal of Clinical Nutrition* 37:795-801, 1983.

16) Yang, R.D., **Moldawer , L.L.**, Sakamoto, A., Keenan, R.A., Matthews, D.A., Young, V.R., Wannemacher, R.W., Jr., Blackburn, G.L., Bistrian, B.R. Leukocyte endogenous mediator (interleukin 1) alters protein dynamics in the rat. *Metabolism, Clinical and Experimental* 32:654-660, 1983.

17) **Moldawer , L.L.**, Bistrian, B.R., Sobrado, J., Blackburn, G.L. Muscle proteolysis in sepsis and trauma-Letter to the Editor. *New England Journal of Medicine* 309:494-495, l984.

18) Desai, S.P., **Moldawer , L.L.**, Bistrian, B.R., Blackburn, G.L. Amino acid and protein metabolism in hospitalized patients as measured by L-[U-14C]tyrosine and L-[1-14C]leucine. *Clinical Science* 65:499-505, 1983.

19) Sobrado, J., **Moldawer , L.L.**, Bistrian, B.R., Dinarello, C.A., Blackburn, G.L. Effect of ibuprofen on fever and metabolic changes induced by a continuous infusion of leukocytic pyrogen (interleukin 1) or endotoxin. *Infection and Immunity* 42:997-1005, 1983.

20) Maiz, A., Sobrado, J., **Moldawer , L.L.**, Blackburn, G.L., Bistrian, B.R. Protein dynamics during refeeding of protein depleted rats: Effects of increasing amino acid intake by TPN or enteral continuous feeding. *Journal of Nutrition* 114:75-88, 1984.

21) O'Keefe, S.J., Ramjee, G., **Moldawer , L.L.**, Haffejee, A.A., Brock-Utne, J.G. Total parenteral nutrition with the '3-litre bag' effect of fat emulsion on amino acid kinetics and nitrogen balance in patients with intestinal fistulae. *Human Nutrition Clinical Nutrition* 38:375-382, 1984.

22) **Moldawer , L.L.**, Sobrado, J., Blackburn, G.L., Bistrian, B.R. A rationale for administering leukocyte endogenous mediator to protein-malnourished, hospitalized patients. *Journal of Theoretical Biology* 106:119-133, l984.

23) Duncan, J.D., **Moldawer , L.L.**, Blackburn, G.L., Bistrian, B.R. *In vitro* leukocyte endogenous mediator production is not impaired following surgical stress in moderately malnourished patients. *Journal of Parenteral and Enteral Nutrition* 8:174-177 1984.

24) Duncan, J.L. **Moldawer , L.L.**, Mandarino, G.L., Bistrian, B.R., Blackburn, G.L. Terminal transferase in hospital malnutrition. *Nutrition Research* 4:237-244, l984.

25) Laurent, B., **Moldawer , L.L.**, Young, V.R., Bistrian, B.R., Blackburn, G.L. Whole body leucine and skeletal protein kinetics in rats fed different casein diets. *American Journal of Physiology* 246:E441-E451, l984.

26) Yamazaki, K., Maiz, A., Sobrado, J., Babayan, V.K., **Moldawer , L.L.**, Bistrian, B.R., Blackburn, G.L. Hypocaloric lipid emulsions and amino acid kinetics in injured rats. *Journal of Parenteral and Enteral Nutrition* 8:361-366, 1984.

27) Echenique, M.M., Bistrian, B.R., **Moldawer , L.L.**, Blackburn, G.L. Improvement in amino acid utilization in the critically-ill with parenteral formulas enriched with branched chain amino acids. *Surgery,* *Gynecology and Obstetrics* 159:233-241, 1984.

28) Maiz, A., Yamazaki, K., Sobrado, J., Babayan, V.K., **Moldawer , L.L.**, Bistrian, B.R., Blackburn, G.L. Protein metabolism during total parenteral nutrition in injured rats using medium chain triglycerides. *Metabolism, Clinical and Experimental* 33:901-909, 1984.

29) Mok, K.T., Maiz, A., Yamazaki, K., Sobrado, J., Babayan, V.K., **Moldawer , L.L.**, Bistrain, B.R., Blackburn, G.L. Structured medium and long chain triglyceride emulsions are superior to physical mixtures in sparing body protein in the rat. *Metabolism, Clinical and Experimental* 33:910-915, 1984.

30) Desai, S.P., **Moldawer , L.L.**, Bistrian, B.R., Blackburn, G.L. Whole body tyrosine and protein kinetics in post-surgical patients receiving branched chain amino acid enriched solutions. *Archives of Surgery* 120:1345-1350, 1985.

31) Maiz, A., **Moldawer , L.L.**, Birkhahn, R.H., Long, C.L., Bistrian, B.R., Blackburn, G.L. Monoacetoacetin as an energy source for parenteral nutrition in the burned rat. *Biochemical Journal* 226:43-50, 1985.

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