

*CURRICULUM VITAE*

***James Samuel Malter, M.D.***

***Date Prepared: Dec. 1, 2018***

***Office and Mailing Address:***

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UT Southwestern Medical Center  
Dallas, Texas 75390-9072  
214-648-4025 (secretary), 214-648-1117 (lab),  
214-648-4088 (office), 214-648-1102 (fax)  
E-Mail: James.Malter@UTSouthwestern.edu

***Home Address:***

1204 North Windomere Ave  
Dallas, Texas 75208  
214-943-5902

***Date of Birth:*** May 18, 1956

***Place of Birth:*** Toolele, Utah

***Marital Status:*** Married

***Education:***

1983, M.D., Washington University School of Medicine, St. Louis, MO

1979, A.B., *cum laude*, Highest Distinction, Biochemistry, Dartmouth College, Hanover, NH

1974, *cum laude*, Milton Academy, Milton, Mass.

***Postgraduate Training:***

1987-88 Chief Resident, Laboratory Medicine (CP)  
Hospital of the University of Pennsylvania, Philadelphia, PA

1985-88 Research Associate, Department of Pathology & Laboratory  
Medicine, University of Pennsylvania, Philadelphia, PA.

1983-88 Laboratory Medicine (CP) Resident, Department of Pathology & Laboratory  
Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA.

### ***Specialty Certification:***

Clinical Pathology: 11/88  
Blood Banking/Transfusion Medicine: 7/99

### ***Licensure (current):***

Texas

### ***Awards & Honors:***

- 1998 Elected Member, American Society for Clinical Investigation (ASCI)
- 1993 Nominee - Romnes Fellow, University of Wisconsin, Madison, WI
- 1987 Outstanding Young Investigator, Academy of Clinical Laboratory Physicians & Scientists
- 1986-88 NIH National Research Service Award
- 1985-86 Departmental Endowment Award, Department of Pathology & Laboratory Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
- 1978-79 Rufus Choate Scholar, Biochemistry - Dartmouth College

### ***Academic Appointments:***

- 2011 - Professor (tenured) and Chair; Senator Betty and Dr. Andy Andujar Distinguished Chairman in Pathology, University of Texas Southwestern Medical School, Dallas, TX
- 2004-11 Associate Director for Biological Sciences, Waisman Center for Developmental Disabilities, University of Wisconsin, Madison
- 2003-11 Cell and Molecular Neuroscience Core Leader, Intellectual and Developmental Disabilities Research Center (IDDRC), Waisman Center, University of Wisconsin, Madison
- 2002-11 Investigator, Waisman Center for Developmental Disabilities, University of Wisconsin, Madison
- 1997-2011 Professor (tenured), Department of Pathology and Laboratory Medicine, University of Wisconsin School of Medicine and Public Health, Madison, WI
- 1993-95 Interim Chair, Department of Pathology and Lab Medicine, University of Wisconsin School of Medicine and Public Health

- 1992-97 Associate Professor (tenured), Department of Pathology and Laboratory Medicine, University of Wisconsin School of Medicine and Public Health
- 1991-92 Assistant Professor (tenure track), Department of Pathology and Laboratory Medicine, University of Wisconsin School of Medicine and Public Health
- 1991-2011 Investigator, University of Wisconsin Comprehensive Cancer Center
- 1990-91 Assistant Professor (secondary appointment), Department of Pharmacology, Tulane University School of Medicine, New Orleans, LA
- 1988-91 Assistant Professor (primary appointment, tenure track), Department of Pathology, Tulane University School of Medicine, New Orleans, LA
- 1987-88 Instructor, Department of Pathology & Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA
- 1983-87 Assistant Instructor, Department of Pathology & Laboratory Medicine, of Pennsylvania, School of Medicine, Phil, PA

***Clinical Service Appointments:***

- 2017- Medical Director, Next-Generation Sequencing Laboratory, Department of Pathology, UT Southwestern Medical Center, Dallas, TX
- 2002-2008 Co-Director and Medical Director, Molecular Diagnostics Laboratory, UW Hospital
- 1991-2011 Director, Transfusion Service, University of Wisconsin Hospital and Clinic, Madison, WI (included Therapeutic Apheresis, Blood Bank and Infusion Center)
- 1989-91 Director of Blood Center, Tulane University Medical Center, NO, LA (included Donor Center, Therapeutic and Donor Apheresis and Transfusion Service)
- 1988-91 Director, Division of Experimental and Molecular Pathology, Department of Pathology, Tulane University Medical Center, NO, LA.
- 1988-91 Medical Director, Flow Cytometry Laboratory, Department of Pathology, Tulane University Medical Center, NO, LA.

***University Committees and Service:***

**Tulane University School of Medicine (1988-1991):**

Institutional Bio-safety Committee  
 Quality Care Committee, Tulane Medical Center  
 Tulane Medical Center Laboratory Consortium  
 Executive Committee of the Laboratory Consortium

Cell and Molecular Biology Graduate Program Steering Committee  
Cell and Molecular Biology Task Force  
Center for Bioenvironmental Research Task Force  
Volunteer Grant Committee  
Charity Hospital of New Orleans Transfusion Review Committee  
Medical Center Research Instrumentation Committee  
Basic Research Science Grant Committee

**University of Wisconsin, Madison (1991-2011):**

**Department of Pathology/Lab Medicine:**

1992-96 University Physicians Retirement Fund Committee  
1991-2008 Director, Transfusion Medicine Fellowship Program  
1992-95 Seminar Selection Committee  
1992-2008 Residency Selection and Review Committee  
1992-94 Tenure Review Committee  
1992-95 University Physicians in Pathology Executive Committee  
1992-2011 Department Executive Committee  
1992 Chair-Search Committee, Hematopathologist  
1992-93 Chair-Search Committee, Neuropathologist  
1993-03, 08-11 Graduate Education Committee ('93-), Director ('96-'03), Co-Director ('08-'11)  
1995-03 Chair-Compensation Committee  
1996-01 Member-Faculty Mentoring Committee, Mani Mahadevan MD  
1997 Chair-Laboratory Information System Physician Advisory Committee  
1997 Utilization Review Steering Committee  
1998-2011 Chair-Transfusion Service QA Committee  
1997-02 Chair-Faculty Mentoring Committee, Andreas Friedl MD  
2000-01 Chair-Search Committee, Hematopathologist  
2001-07 Chair-Faculty Mentoring Committee, Michael Fritsch MD, Ph.D.  
2001 Chair-5 year post tenure review, Alan Rapraeger, Ph.D.  
2002 Chair-5 year post tenure review, Terry Oberley MD, Ph.D.  
2003 Chair-5 year post tenure review, David Watkins, Ph.D.  
2002-6 Member, Research Committee  
2003-2011 Chair-Faculty Mentoring Committee, Luis Fernandez MD, Dept of Surgery  
2006-07 Member, Finance Committee  
2007 Chair-5 year post tenure review, Alan Rapraeger, Ph.D.  
2007 Chair - 5 year post tenure review, Dan Greenspan, Ph.D.  
2007-11 Chair, Faculty Mentoring Committee, Ken Young, MD, PhD, Dept of Pathology  
2009 Chair - 5 year post tenure review, Zsuzsana Fabry, MD, Ph.D.

**University of Wisconsin Medical Foundation (UW Physicians Multispecialty Group Practice)**

1993-95 Steering Committee  
1993-95 Operations Subcommittee  
1993-95 Compensation Subcommittee

1993-95 Governance and Finance Subcommittee  
 1993-94 Board of Directors, University Health Care Inc.  
 1993-94 Board of Directors, Health Professionals Inc.  
 1993-94 Board of Directors, Associated University Physicians  
 1993-95 Board of Directors, Clinical Practice Plan  
 1994 Search Committee for COO of Medical Foundation  
 1994-5 Chair, Breast Cancer Operations Committee  
 1995 Chair, Retirement Plan Task Force  
 1995 Transition Team, UW Medical Foundation  
 1995-2005 Council of Faculty  
 1995-98 Alternate Member, Board of Directors  
 1995-2011 Chair, Retirement Committee  
 1996-99 Chair, Long Range Planning Committee  
 1996-01 Member, Committee Chairs Caucus  
 2001 Revenue Enhancement Team  
 2001 Funds Flow and Integration Team  
 2000-02 Member, Finance Committee  
 2002-11 Member, Fee Committee  
 2006-11 Member, Investment Committee

#### University of Wisconsin Hospital and Clinic:

1991-2011 Blood Product Utilization Review Committee (Chair, '92-2011)  
 1991-2005 Quality Evaluation and Review Committee  
 1992-2011 Operating Room Committee-UWHC  
 1992-95 Physicians Advisory Committee-Hospital Information System  
 1993-95 Clinical Standards Subcommittee, UW Hospital and Clinics  
 1993-95 Medical Board  
 1994 Member, U Care HMO Scientific Advisory Group  
 1994-5, 2000-1 Chair, Albumin Use QA Committee  
 1994 Chair, Informed Consent Committee, UWHC  
 1997 Co-Chair, Long Range Planning Committee, Network Development  
 1997 Member, Strategic Planning Steering Committee  
 1997-8 Member, Cancer Treatment Clinic Planning Committee  
 2000-1 Chair-Blood Procurement Task Force  
 2001-4 Member-Performance Improvement Team – Critical Values  
 2006-11 Patient Satisfaction and Quality Committee  
 2009-11 IVIG Task Force

#### University of Wisconsin School of Medicine and Public Health

1993-95 Dean's Seminar Committee  
 1993-95 Faculty Development Committee  
 1993-94 Health Sciences Planning Committee-Core Facilities  
 1993-95 Clinical Chairs Caucus  
 1993-95 Basic Science Chairs Caucus  
 1994-5 Educational Policy Oversight Committee  
 1994-5 Human Genetics Development Committee

1994-6 Medical School Clinical/Basic Science Grant Review Committee  
 1995 LCME Finance Task Force  
 1994-5 Faculty Roles and Rewards Committee  
 1995-2011 Committee of Peers, UW Foundation Fund Raising ('95-2011), Chair ('96-'97)  
 1999-00 Academic Compensation Subcommittee  
 2008-10 CTSA Internal Grant Review Committee  
 2010-11 Medical Scientist Training Program Steering Committee

### University of Wisconsin Comprehensive Cancer Center

1993-95 Program Director, Gene Therapy  
 1996 Internal Review Committee, Core Facilities  
 1994-98 Administrative Policy Committee

### Waisman Center for Developmental Disabilities, Graduate School, UW-Madison

2003-11 Executive Committee  
 2004-11 Administration Committee  
 2004-11 Nomination Committee  
 2004-11 Biomanufacturing Advisory Board  
 2006-11 Co-Chair, Space Committee  
 2005-11 Co-Chair, Fellowship Awards  
 2007-11 Chair, Faculty Mentoring Committee, Anita Bhattacharya, Ph.D.  
 2009-11 Member, Faculty Mentoring Committee, Peter Ferrazanno, MD PhD, Dept of Pediatrics  
 2011 Chair, Faculty Mentoring Committee, Mike Wilhelm, MD, PhD, Dept of Pediatrics

### University of Wisconsin-Madison

1992-2011 Undergraduate Molecular Biology Advisory Steering Committee  
 1992-2011 Undergraduate Molecular Biology Advisor  
 1993-99 Faculty Senate-Alternate  
 2000-04 Faculty Senate  
 1997-00 Member, Institutional Biosafety Committee  
 1998-01 Member, Advising and Orientation Comm., Cell and Mol Biology Grad Program  
 1998-01, 03 Member, Graduate School Research Committee  
 2001-04 Elected Member, Biological Sciences Tenure and Promotion Committee  
 2002-4, -06, -09 Pew Scholars Internal Review Committee  
 2003 University-Industrial Grant Review  
 2005 Member, Gene Therapy Faculty Cluster Search Committee  
 2006 Member, Synaptic Plasticity Faculty Cluster Search Committee  
 2007 Chair, Neurodevelopmental Genetics Faculty Search Committee  
 2009-10 Member, Translational Neuroscience Cluster Search Committee  
 2009-12 Member, Recreational Sports Board  
 2010-12 Chair, Recreational Sports Board  
 2010-11 Chair, Scientific Advisory Board, WiCell

## University of Texas Southwestern Medical Center - Dallas

2011-	Member, Revenue Cycle Committee
2011-13	Member, Revenue Cycle Sub-Committee, ICD-10 Readiness Assessment
2011-	Member, Professional Liability Committee
2011-	Member, Dean's Advisory Committee
2011-	Member, Faculty Advisory Council
2011-	Member, VA Advisory Council
2011-12	Member, Administrative and Business Affairs Subcommittee
2011-12	Member, Clinical Planning Subcommittee
2011-	Member, Medical Service Research and Development Plan Board (MSRDP) Finance Committee
2011-	Member, VA Dean's Committee
2012-13	Member, Surgery Chair Search Committee
2012-4	Member, Executive Committee of the Clinical Chairs
2013-	Member, IT Strategic Planning Committee
2013-14	Member, Institutional COI Committee
2013-	Member, Clinical Planning Committee
2011-	Member, Planning Committee, Administrative and Academic Operations
2014-	Member, UTSW Research Biospecimen Committee
2014-5	Member, Alzheimer's Disease Center Director Search Committee
2015	Member, Compliance, Ethics and Professional Affairs Committee
2014-	Member, Conflict of Interest Committee
2016	Member, Department of Immunology Chair Search Committee
2017-8	Member, Department of Clinical Sciences Chair Search Committee

### ***American Red Cross, Badger-Hawkeye Region, Madison, WI:***

1992-98	Member, Blood Services Board of Directors
1992-2011	Member, Medical Advisory Committee
1997-98	Member, CEO Search Committee, Badger/Hawkeye Region

### ***LifeSource Blood Services, Chicago, IL***

2002-04	Member, Board of Directors
2002-04	Member, Quality Committee

### ***Other***

1995-2011	Madison Rotary Club
2014-7	At Large Delegate, Board of Directors, Texas Society of Pathology
2015-7	Chair, Resident and Fellows Poster Judging, Texas Society of Pathologists
2017-8	Secretary, Board of Directors, Texas Society of Pathology
2019-20	Vice President, Texas Society of Pathology
2020-21	President-elect, Texas Society of Pathology

### ***Regular Journal Reviewer:***

Hepatology  
Journal of Molecular Biology  
Nucleic Acids Research  
Blood  
Infection and Immunity  
J Cell Science  
Brain Research  
American J of Hematology  
J of Immunology  
J of Neuropathology and Experimental Neurology  
Biochemia and Biophysics Acta  
J Cellular Physiology  
J Biological Chemistry  
Developmental Genetics  
European J Biochemistry  
J Neurochemistry  
EMBO J  
Molecular and Cell Biology  
J Experimental Medicine  
Genes and Development  
J Cell Biology  
Annals of Surgery  
J Leukocyte Biol  
Nature Immunology  
Nature Communications  
Exp Lung Research  
Science  
Science Signaling  
Cell Death and Differentiation  
Current Alzheimer's Research

### ***National Review Service:***

1989	NIH, Biochemistry, Ad Hoc Reviewer
1989-91	United States Department of Agriculture, External Reviewer
1992-98	NSF (U.S.), External Reviewer, Molecular Biochemistry
1992-98	VA Merit Review-Hematology, External Reviewer
1993-98	University Hospitals Consortium,
1993-94	Guthrie Research Institute, External Reviewer,
1997	NIH, Physiologic Biochemistry, Ad Hoc Reviewer,
1997-02	NIH Molecular, Developmental, Cellular Neuroscience (MDCN-2), Permanent Member,
1998-99	United States Department of Agriculture, Reviewer
1999-04	VA Merit Review-Neurobiology D, Permanent Member
2002	NIH/NINDS, NSD-C, Ad Hoc Reviewer,
2004	NIH/NINDS, ZNS1 SRB-M, Ad Hoc Reviewer



2004, '05 NIH ZRG1 MDCN-F, Ad Hoc Reviewer  
 2006-08 NIH ZRG1 NOMD-A, Founding Chair, Permanent Member,  
 2009 NIH ZRG1 MDCN-F, ARRA Challenge Grant Review, Ad Hoc Reviewer,  
 2009 NIH ZRG1 MDCN-A (52), ARRA R15 Grant Review, Ad Hoc Reviewer  
 2010- NIH College of Reviewers, Center for Scientific Review  
 2010 NIH ZRG1 MDCN-N (91) S, Chair  
 2011 NIH ZRG1 MDCN-P (02) M, Chair  
 2012 NIH ZRG1 MDCN-E (02) M, Chair  
 2015 NIH CSR Pilot Review  
 2015 NIH ZRG1 MDCN-B (05) S, Drug Discovery for the Nervous System, Chair  
 2015 USAMRMC/CDMRP – Peer Review Panel, Pulmonary Fibrosis  
 2016 NIH ZRG1 NOMD-A, Ad Hoc Reviewer  
 2018 NIH ZRG1 CDIN, Ad Hoc Reviewer

***International Review Service:***

1992-93, Manitoba Health Research Council, Canada  
 1992-94 Swiss National Science Foundation  
 1999, 2002 Israel Science Foundation  
 1998-99 Manitoba Health Research Council, Canada  
 2003 Hong Kong Research Council  
 2006 New Zealand Neurologic Foundation  
 2007 National Medical Research Council (Singapore)  
 2008 ETH Zurich Research Commission, Switzerland  
 2008, 09 Stichting voor Alzheimer Onderzoek (SAO) - Fondation pour la Recherche sur la  
 Maladie Alzheimer (FRMA)  
 2010 Prinses Beatrix Fonds, Utrecht, The Netherlands  
 2016 Israeli Science Foundation  
 2018 German-Israeli Foundation for Scientific Research

***Editorial Boards***

Hepatology (1990-94)  
 American J of Translational Research (2009-12)  
 J Experimental Medicine (2010-17)  
 Science Signaling (2010-)  
 ACS Chemical Neuroscience (2018-)

***Memberships (past and current):***

American Association for the Advancement of Science  
 American Society for Investigative Pathology  
 American Society of Biochemistry and Molecular Biology  
 American Association of Blood Banks  
 American Society for Clinical Investigation  
 College of American Pathologists  
 Dallas County Medical Society  
 North Texas Society of Pathologists

Texas Medical Association  
Texas Society of Pathology

***Advisor to Graduate Students/Postdoctoral Fellows:***

Lee Ann MacMillan- M. S., 1990- Pharmacology, Tulane University  
Issac Rondon- Ph. D., 1993- Pharmacology, Tulane University  
Bing Carter, Ph.D., Postdoctoral fellow, 1990-'91  
Paul Gillis, BS, 1990-'91  
Ying Hong, MD, Postdoctoral Fellow, 1990-91  
Charles Carroll- Ph. D., Cell and Molecular Biology, UW-Madison, 1994-'96  
(Recipient Howard Hughes Predoctoral Training Award, 1994-'96)  
Jason Jarzembowski- Ph. D., Pathology, UW-Madison, 1998  
(Recipient Molecular Biosciences Training Grant stipend, 1996-'98)  
Hassan Zaidi, Ph. D., Postdoctoral Fellow, 1992-'95  
Laksman Rajagopalan, Ph. D., Postdoctoral Fellow, 1992-'96  
Rafat Abounar, M.D., Postdoctoral Fellow, 1994-'95  
Randy Horwitz, M.D., Ph. D., Postdoctoral Fellow, 1996-  
Cara Westmark Ph. D., Postdoctoral Fellow 1995-  
(Recipient Institute on Aging Training Grant Postdoctoral Fellowship, '96-'99)  
Saswati Bhattacharya Ph. D., Postdoctoral Fellow 1995-'02  
Larry Parnell Ph. D., Postdoctoral Fellow 1995-'97  
Stephane Esnault Ph. D., Postdoctoral Fellow 1997-'02, Asst Scientist ('02-'08)  
Arlene Van Vliet Ph. D., Postdoctoral Fellow 1997-'98  
Matt Rank, UW-Madison undergraduate, 1997  
(Recipient Howard Hughes/NSF Undergraduate Research Award)  
Jeff Ruth Ph. D., Postdoctoral Fellow, 1997-9  
Rebecca Manitses Ph. D., Postdoctoral Fellow, 1997-8  
Hyun Shin Ph.D., Postdoctoral Fellow, 1998-01  
Syrus Soltaninassab Ph.D., Postdoctoral Fellow, 1999-'02  
(Recipient Institute on Aging Training Grant Postdoctoral Fellowship, '99-'02)  
Francoise Gourronc, Ph. D., Postdoctoral Fellow, 1999-'01  
Hisam Goueli, UW- Madison undergraduate, Senior Honor's Thesis,  
Molecular Biology, 1999-2000  
Virginia Bartelson, UW-Madison undergraduate, Independent Research (2000-'01)  
Virginia Bartelson, UW-Madison undergraduate, Senior Honor's Thesis,  
Molecular Biology, 2001-'02  
Peter Todd, MD/PhD candidate, Neuroscience Training Program, PhD awarded  
( '02)  
Peter Spear, UW-Madison undergraduate, Independent Research, (2001)  
Maria Ujue Latasa, PhD Candidate, Department of Medicine,  
University of Navarra Pamplona, Spain (2001)  
Dongzue Lu, Ph. D., Postdoctoral Fellow ('01-'02)  
Amit Dande, PhD candidate, Pathology Graduate program ('01-'04),  
MS-Pathology, 2004  
Pamela Westmark PhD, Postdoctoral Fellow ('02-08), Asst Researcher ('08-'11)  
(Recipient Institute on Aging Training Grant Postdoctoral Fellowship)  
Tajamul Hussain PhD, Postdoctoral Fellow ('02-05)

Esra Gurel PhD, Postdoctoral Fellow ('02-'04)  
Zafer Gurel PhD, Postdoctoral Fellow ('02-'04)  
Cheryl Soref, PhD, Postdoctoral Fellow ('02-05)  
Oleg Broymtan, Neuroscience Training Program, Ph.D., (2009)  
Zongjian Shen PhD, Postdoctoral Fellow (2002-08), Asst Scientist (2008-11),  
Instructor (2011-)  
Meggan Czapiga Ph.D., Postdoctoral Fellow (2002-03)  
Wenxue Ma, Ph.D., Postdoctoral Fellow (2004-05)  
Suqing Wang Ph.D., Postdoctoral Fellow (2004-06)  
Brook Simon, MS, Cellular and Molecular Biology Program (2004-06)  
Keith Hanson, MD/PhD candidate (2007-08)  
Qifa Xie, Ph.D., Postdoctoral Fellow (2008-09)  
Haiyan Chu Ph.D., Postdoctoral Fellow (2008-11)  
Kelsey Stein, UW-Madison Undergraduate Research Scholar (2008-11)  
Brian Ray, UW-Madison Undergraduate (2008-11)  
Utibe Bickham, PhD candidate, Pathology Graduate program (2009-11)  
(Recipient AOF scholarship and Biotechnology Training Grant support).  
Jiyoung Oh, Ph.D., Postdoctoral Fellow (2010-5)  
Berdy Hojaye, (2013-4)  
Nancy Stallings, Ph.D. (2014-)  
Melissa O'Neal, Ph.D. (2015-)  
Venkatesh Kashi, Ph.D. (2015-8)

***Thesis Committee Member: (UW)***

Sharash Rai, Dept of Pathology Graduate Program, Ph.D., '96  
Seungbok Lee, Dept of Pathology Graduate Program, Ph.D., '97  
Dan Streblov, Dept of Pathology Graduate Program, Ph.D., '96  
Rashid Mosavinasab, Dept of Pharmacology Graduate Program, Ph.D., '96  
Yah Ma, Dept of Biochemistry Graduate Program, M.S., '94  
Phil Watson, Cell and Molecular Biology Graduate Program, PhD, 2004  
Paul Boyston, Cell and Molecular Biology Graduate Program, Ph.D., '97  
Steve Schwarze, Cell and Molecular Biology Graduate Program, Ph.D., '97  
Deborah Fuller, Dept of Pathology Graduate Program, Ph. D., 2000  
Bianca Mothe, Dept of Pathology Graduate Program, Ph. D. 2002  
Rebecca Aron, Biomolecular Chemistry Training Program, PhD, 2006  
Thor Stein, Neuroscience Training Program, Ph.D., 2003  
Alexandra Adriano. Biomolecular Chemistry Training Program, MS 2005  
Haichen Dong, Cellular and Molecular Pharmacology, PhD, 2006  
Melanie Molitor, Dept of Pathology Graduate Program, PhD, 2006  
Andrea Weiler, Dept of Pathology Graduate Program, MS, 2006  
Jill Schartner, Dept of Pathology Graduate Program 2005-'11  
Dan Kelley, Neuroscience Training Program, PhD, 2008.  
Erin Gonzalez, Genetics Graduate Program 2005-'11  
Nick Manoss, Pathology Graduate Program 2009, Ph.D., 2009  
Hui Li, Neuroscience Training Program 2006-'11  
Melissa Harris, Neuroscience Training Program 2008-'11  
Phil Mudd, Cell and Molecular Biology Program, 2008-'11

Andrea Wilson, Pathology Graduate Training Program, PhD, 2009  
Bahauddeen Alrfaei, Pathology Graduate Training Program, 2009-'11  
Toni Brand, Pathology Graduate Training Program, 2009-'11

***Thesis Committee Member: (UTSW)***

Aakanksha Jain, Immunology Graduate Training Program 2013-6  
Leonardo Estrada, Immunology Graduate Training Program 2013-7  
Kuan-wen Wang, Immunology Graduate Training Program, 2015-8  
Josiah Flaming, Cancer Biology Training Program, 2018-  
Wenting Du, Cancer Biology Training Program, 2015-9.

***Interdisciplinary Program Memberships:***

Molecular and Cell Biology Graduate Training Program, Tulane U (1990-91)  
Cell and Molecular Biology Graduate Training Program, UW (1991-2011)  
University of Wisconsin Comprehensive Cancer Center (1991-2011)  
Institute on Aging, University of Wisconsin (1991-2011)  
Neuroscience Graduate Training Program, UW (1991-2011)  
Biotechnology Training Program, UW (1991-2011)  
Cellular and Molecular Pathology Training Program (1991-2011)  
Hematology Training Program, UW (1998-2011)  
Cell Regulation Graduate Training Program, UTSW (2011-)  
Immunology Graduate Training Program, UTSW (2011-)

***Classroom Teaching:***

**Tulane U. Medical School (1988-91):**

Sophomore Medical Student Pathology, 3-5 lectures/ yr (Flow Cytometry,  
Laboratory Medicine and Molecular Biology of Disease)  
Pathology Residents-Blood Bank Rotation (4-6 months/ yr)  
Pharmacology Graduate Curriculum- Mechanisms of Disease (2 lectures/ yr)

**U Wisconsin (1991-2011):**

Pathology 750 (Graduate level), 6 lectures/yr (1992-2002)  
Pathology 709 (Graduate level), 2 lectures/yr (2000-11)  
Pathology Residents and Fellow, Blood Bank (4 months/ yr) (1991-2011)  
Course Director-Cell and Molecular Biology of Aging, Path 751 (3 credits),  
6 lectures/y (2000-11)  
Course Director-MSTP 2nd year Journal Club (1 credit, Pathology 901) (2006-11)  
Pathology 803 (Graduate level), 2 lectures/yr (2006-11)

***Research funding, current:***

2013-19 NIH P01 HL088594, Role of Eosinophils in Airway Inflammation and Remodeling, PI: N Jarjour; JS Malter Project 3 Leader, 20% effort. Direct Costs \$300,000/y. Currently in No Cost Extension

***Pending research support:***

2019-2024 NIH 1R01AG055400-01  
PI: JS Malter, 20% effort  
Title: Pin1 Regulation in Evolving Alzheimer's Disease  
Requested Direct Costs: \$402,000/y  
13%, 29 impact score.

2019-2024 NIH P01 HL088594, Role of Eosinophils in Airway Inflammation and Remodeling, PI: N Jarjour; JS Malter Project 3 Leader, 20% effort. Direct Costs \$300,000/y.

***Past individual or program project grant support:***

1988-91 K08-CA-01427, Clinical Investigator Award, JS Malter PI. Total Direct Costs-\$167,411.

1988-89 American Cancer Society Institutional Research Grant, JS Malter PI -\$10,000.

1988-90 Tulane University Biomedical Research Support Grant, JS Malter PI, \$15,000.

1990-91 LaSER/NSF Joint Colloquia Program, JS Malter PI, \$5000.

1990-91 NIH-DK43434, Small Instrumentation Grant, JS Malter PI, Total Direct Costs - \$27,500.

1991-95 NIH R01-DK45213, "Regulation of Hematopoietic Growth Factor Production". JS Malter PI (50% effort), Total Direct Costs: \$440,905.

Co-Investigator, "Effects of EGF on Corneal Epithelium", Eye Bank Association of America, \$6125.

1991-2007 NIH R01-AG10675-15, "APP mRNA Dysregulation and Alzheimer's Disease". JS Malter PI (20% effort), Annual Direct Costs (last year) \$225,000

1995-98 Advanced Technology Program, US Dept of Commerce to Symphony Pharmaceuticals, Malvern PA, Total Costs \$1,700,000, JS Malter, subcontractor (\$200,000 direct costs).

1996-2007 NIH SCOR-Asthma, P50HL56396-10, W. Busse Program Leader, JS Malter, Project 5 Leader (20% effort). Total Direct Costs (10 years) \$11,000,000: \$220,000 Annual Direct Costs (final year) to JS Malter.

- 1996-98 NIH R43CA75838, “Molecular Cloning of Unique Cytokines and Protooncogenes”, T. Giordano PI, JS Malter Co-Investigator (5% effort), \$100,000 direct costs.
- 1997-02 NIH R01-AA11148, “Ethanol Mediated Osteoporosis and Interleukin 6”, E. Keller PI, JS Malter Co-Investigator (10% effort), Total Direct Costs \$743,908.
- 1998-2001 NIH R01-MH61666, “Cloning of Early Response Genes from the Nervous System”, JS Malter PI (20% effort), Total Direct Costs \$500,000.
- 2000-04 NIH RO1-HL64812, “Mechanisms of Nocturnal Asthma”, N. Jarjour PI, JS Malter, Co-I (5% effort), Total Direct Costs, \$900,000
- 2001-06 NIH Allergic Disease Center, P01AI50500, W.W. Busse PI, JS Malter Project 4 Leader (20% effort), Total Direct Costs \$3,200,000, \$140,000 Annual Direct Costs to J.S. Malter.
- 2008-10 NIH R21 AG029972-01, D. Wang, PI, JS Malter Co-Investigator, 3% effort, \$275,000 total direct costs.
- 2008-09 Institute for the Study of Aging (ISOA), JS Malter PI, 10% effort, \$98,000 total direct costs.
- 2008-10 FRAXA, Utilization of Fenobam to Reduce APP and Abeta in Fragile X Mice, C Westmark PI, JS Malter Co-I (5% effort), \$60,000/y direct costs.
- 2008-10 FRAXA, supplement, JS Malter PI, \$10,000 direct costs.
- 2006-11 NIH P30 HD03352-44, Intellectual and Developmental Disabilities Research Center (IDDR) (PI, M Seltzer; JS Malter, Associate Director, 10% total effort) Annual Direct Costs \$1,100,000.
- 2008-12 NIH R01 HL087950, Pin1 regulation of prosurvival signaling in eosinophils, JS Malter PI, 20% effort, \$250,000 annual direct costs
- 2009-12 NIH R01 DA026067, Pin1 in Synaptic Plasticity and Translation, JS Malter PI, 15% effort, \$250,000/y
- 2009-14 NIH P50 AG033514-01 (S. Asthana, PI)-Wisconsin Alzheimers Disease Research Center, JS Malter Co-Director Neuropathology Core, 5% effort.

***Publications*** (Peer Reviewed):

1. Scornik, O., Ledbetter, M. and Malter, J.S., “Role of Aminoacylation of Histidyl-tRNA in the Regulation of Protein Degradation in Chinese Hamster Ovary Cells”, **J Biol Chem.**, 255(13):6322-27, 1980.

2. Malter, J.S., Mannoti, S., Knee, G., Goodman, D.B.P. and Strauss, J., "Identification of Hyperthyroid Patients by Means of a Sensitive Assay for Thyrotropin", **Clin Chem**, 31(4):642-44, 1985.
3. Malter, J.S., Reed, J.C. and Kamoun, M., "Induction and Regulation of CD2 mRNA in Human T Lymphocytes," **J Immunology**, 140:3233-6, 1988.
4. Malter, J.S., "Identification of a Novel AUUUA Specific, mRNA Binding Protein", **Science**, 246:664-666, 1989.
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120. Udden SMN, Peng L, Gan JL, Shelton JM, Malter JS, Hooper LV, Zaki MH. NOD2 Suppresses Colorectal Tumorigenesis via Downregulation of the TLR Pathways. **Cell Rep.** 2017 Jun 27;19(13):2756-2770.
121. Sacchi V, Wang BJ, Kubli D, Martinez AS, Jin JK, Alvarez R Jr, Hariharan N, Glembotski C, Uchida T, Malter JS, Yang Y, Gross P, Zhang C, Houser S, Rota M, Sussman MA. Peptidyl-Prolyl Isomerase 1 Regulates Ca<sub>2+</sub> Handling by Modulating Sarco(Endo)Plasmic Reticulum Calcium ATPase and Na<sub>2+</sub>/Ca<sub>2+</sub> Exchanger 1 Protein Levels and Function. **J Am Heart Assoc.** 2017 Oct 10;6(10). pii: e006837. doi: 10.1161/JAHA.117.006837.
122. Esnault S, Shen ZJ, Malter JS. Protein Translation and Signaling in Human Eosinophils. **FrontMed** (Lausanne). 2017 Sep 19;4:150.
123. Richardson TE, Shen ZJ, Kanchwala M, Xing C, Filatenkov A, Shang P, Barnett S, Abedin Z, Malter JS, Raisanen JM, Burns DK, White CL, Hatanpaa KJ. Aggressive Behavior in Silent Subtype III Pituitary Adenomas May Depend on Suppression of Local Immune Response: A Whole Transcriptome Analysis. **J Neuropathol Exp Neurol.** 2017 Oct 1;76(10):874-882.
124. Rajaram S, Heinrich LE, Gordan JD, Avva J, Bonness KM, Witkiewicz AK, Malter JS, Atreya CE, Warren RS, Wu LF, Altschuler SJ. Sampling strategies to capture single-cell heterogeneity. **Nat Methods.** 2017 Oct;14(10):967-970.
125. Stalling NR, O'Neal, MA, Hu, J, Kavalali, ET, Bezprozvanny, I, Malter JS, Pin1 mediates Aβ<sub>42</sub>-induced dendritic spine loss., **Science Signaling,** 2018 Mar 20;11(522).
126. O'Neal MA, Stallings NR, Malter JS. Alzheimer's Disease, Dendritic Spines, and Calcineurin Inhibitors: A New Approach? **ACS Chem Neurosci.** 2018 May 14
127. Shen ZJ, Hu J, Kashi V, Bochkov YA, Gern JE, Malter JS. TLR-7 Stress Signaling in Differentiating and Mature Eosinophils Is Mediated by the Prolyl Isomerase Pin1. **J Immunol.** 2018 Nov 5. pii: ji1800881. PMID: 30397031

***Meeting Abstracts (over 120 total, not listed):***

***Book Chapters:***

1. Jarzembowski, J. and Malter, J. S., "Identification and Role of AUUUA-Specific mRNA Binding Proteins", in Cytoplasmic Fate of Eukaryotic mRNA, P. Jeanteur Ed., Springer-Verlag, Heidelberg, 1996.



2. Rajagopalan, L and Malter, J.S., “mRNA Stability in the Control of Gene Expression”, in Progress in Nucleic Acid Research and Molecular Biology, W.E. Cohn and K. Moldave Eds., Academic Press, Orlando, Fl, 1997.
3. Rajagopalan, L, Yang, N.S. and Malter, J.S., “Particle Mediated mRNA Transfer”, in Transgene Delivery and Expression in Mammalian Cells, Methods in Molecular Biology, JM Walker, Editor, Humana Press, 1997.
4. Westmark C and Malter J.S., “Translating Memories: The Role of Protein Biosynthesis in Synaptic Plasticity”, in Protein Biosynthesis, TE Esterhouse and LB Petrinis, Editors, Nova Biomedical, 2009
5. Bickham, U and Malter JS, “Apoptotic and survival signaling in eosinophils”, in Eosinophils in Health and Disease, Eds. H Rosenberg and JJ Lee, Elsevier, 2012.

***Other:***

Malter J. S., Contributing Reviewer, University Hospital Consortium Technology Advancement Center, “Technology Report: Albumin”. UHC, Nov., 1992.

Malter J.S., Contributing Reviewer, University Hospital Consortium Technology Advancement Center, “Technology Assessment: Platelet Transfusion Guidelines”, UHC, 1998.

***U.S. Patents:***

#5,587,300, “Method to Increase Regulatory Protein Production”, issued to JS Malter, 1996

#20090053209, “Blockade of Pin1 Prevents Cytokine Production by Activated Immune Cells” issued to JS Malter, Feb., 2009.

***Lectures by Invitation:***

1985

Dept of Pathology & Laboratory Medicine, University of Pennsylvania, School of Medicine.

1986

Dept of Pathology & Laboratory Medicine, University of Pennsylvania, School of Medicine

1987

Imperial Cancer Research Fund, London, England.

Dept of Pathology & Laboratory Medicine, University of Pennsylvania, School of Medicine, Academy of Clinical Laboratory Physicians and Scientists, Annual Meeting, Phil, PA.

1988

Frontiers in Pathology, Dept of Pathology, Mt. Sinai School of Medicine, NY, NY.

Dept of Pathology, University of Rochester School of Medicine.

Dept of Pathology, Tulane University Medical School, New Orleans, LA.

Dept of Biochemistry/Molecular Biology, Louisiana State University Medical Center, NO, LA

1989

"Current Topics in OB-GYN", Update on Human Papilloma Virus, CME Update-Dept of OB/GYN, Tulane Medical Center, New Orleans, LA.

Translational Control, Cold Spring Harbor Laboratories, Cold Spring Harbor, NY

Dept of Microbiology and Immunology, Tulane U. School of Medicine

1990

Dept of Physiology, LSU Medical Center, New Orleans, LA.

Dept of Biochemistry, Tulane U. School of Medicine

VIII Scientific Meeting, Anatomic Pathology Department, University of Zulia, Maracaibo, Venezuela.

Dept of Pathology CME Update Seminar, Tulane University Medical School.

Dept of Pathology, Pennsylvania State University, M.S. Hershey Medical Center, Hershey, PA.

Dept of Pathology, Northwestern University School of Medicine, Chicago, IL.

1991

Dept of Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, MA.

Transfusion Medicine Update, Rapides Medical Center, Alexandria, LA

Institute for Medical Microbiology, University of Basel, Basel, Switzerland

Dept of Pathology, University of Wisconsin, School of Medicine, Madison, WI

Laboratory of Molecular Oncology, National Cancer Institute, Fredrick, MD

"Alzheimer's Disease and Related Neurodegenerative Disorders", AAP, FASEB, Atlanta, GA

Dept of Pathology CME Update Seminar, Tulane University Medical School, New Orleans, LA.

Dept of Medicine, Division of Hematology, U of Wisconsin Hospital and Clinic, Madison, WI

1992

Dept of Human Oncology, U of Wisconsin Cancer Center

Dept of Physiology, U of North Carolina, Chapel Hill, NC

Dept of Biochemistry, East Carolina Medical School, Greenville, NC

Aging Institute, U of Wisconsin Medical School, Madison, WI

"Transfusion in the 90's", Mercy Medical Center, Oshkosh, WI

Medical Technology Training Program, U of Wisconsin Medical School, Madison, WI

Dept of Medicine, Dartmouth Medical School, Hanover, NH

Dept of Nutrition Sciences, U of Wisconsin, Madison, WI

Transfusion Transmitted Disease, Rational Blood Use-CME Course, Department of Medicine, U of Wisconsin, Madison, WI

CME Course-Transfusion in the 90's, Waupun Medical Center, Waupun, WI

CME Course-Transfusion Transmitted Disease, Watertown Med Center, Watertown, WI

Dept of Cell and Molecular Biology, U of New Mexico, Albuquerque, NM

### 1993

Dept of Mammalian Genetics, Agracetus Inc, Madison, WI

Dept of Pathology, Georgetown University School of Medicine, Wash. D.C.

Dept of Pathology, Tulane U. School of Medicine, NO, LA

Dept of Pathology, UTMB, Galveston, TX

Dept of Pathology, U of Pittsburgh, Pittsburgh, PA

Division of Neuroscience, Abbott Laboratories, Abbott Park, IL

Division of Immunology, Pfizer Pharmaceuticals, Groton, CT

### 1994

Division of Laboratory Medicine, Department of Pathology, UW-Madison

Immunology Colloquia, UW-Madison

Combined Pediatrics/Medicine Critical Care Conference, UWHC, "Massive Transfusion"

Institute for Inflammation and Experimental Medicine, Miles Labs, West Haven, CT

Masters in Oncology, UW Comprehensive Cancer Center, UW Medical School

12th Critical Care Symposium, U of Wisconsin Med School, "Massive Transfusion in Trauma"

1995

Biotherapy/Immunology Colloquia, UW-Madison Medical School

Dept of Pathology/Laboratory Medicine, UW-Madison Medical School

Dept of Pathology/Lab Medicine, U of Rochester School of Medicine, Rochester, NY

Dept of Pathology/Lab Medicine, Tulane University School of Medicine, NO, LA

Dept of Molecular Biology, Symphony Pharmaceuticals, Malvern, PA

Division of Lab Medicine, Dept of Pathology, U Wisconsin Medical School

Dept of Pathology, Cornell U Medical School. NY, NY

Dept of Biology, Northern Illinois University, Rockford, IL

Veterinary Sciences, U of Wisconsin Veterinary School, Madison, WI

Dept of Pharmacology, U of Wisconsin Medical School, Madison, WI

Dept of Pathology, UTMB-San Antonio, Texas

1996

Immunology Colloquia, UW-Madison/Promega, Madison, WI

"Alzheimer's Disease", Brain Awareness Week, Neurosciences Training Program, UW-Madison

Division of Lab Medicine, Dept of Pathology, U Wisconsin Medical School

Neuroscience Colloquia, U Wisconsin-Madison

1997

"Alzheimer's Disease", Brain Awareness Week, Neurosciences Training Program, UW-Madison

GI Division Research Conference, Dept of Medicine, UW- Madison

Translational Research Colloquia, UW Medical School

Dept of Pathology, Tulane University School of Medicine, NO, LA

"Transfusion Medicine Update", UW-Medical School CME

1998

Dept of Molecular Biology, Message Pharmaceuticals, Aston, PA

Dept of Pathology and Lab Medicine, Medical University of S. Carolina, Charleston, SC

Dept of Pathology, U Wisconsin Medical School

Wisconsin Association of Blood Banks, Milwaukee, WI

Dept of Pathology, Lab Medicine and Immunology, U of Florida Medical School, Gainesville, FL

1999

Asthma Program, NIHLB, NIH, Bethesda, MD

“CJD and Blood Transfusion”, St. Clare Hosp, Baraboo, WI

2000

Kiwanis Club of Madison, WI, “Alzheimer’s Disease”

Dept of Medicine, UW Madison, “Massive Transfusion”

Division of Continuing Studies, UW- Madison, “Alzheimer’s Disease”

Wisconsin Chapter, American Association of Blood Banks, “Apheresis”

2001

Medical Scientist Training Program, Spring Symposium, UW-Madison

Dept of Pathology and Lab Medicine, “GM-CSF, Eosinophils and Asthma”, UW-Madison

Ray Owens Immunology Symposium, “Posttranscriptional Gene regulation and Asthma”, UW-Madison

Columbus Hospital, Columbus WI, “Creutzfeld-Jacob Disease”, CME

2002

Blood Center of Southeastern Wisconsin, Milwaukee, WI

2003

Waisman Center, UW-Madison

2004

American Red Cross, Badger Hawkeye Region Annual Meeting.

Dept of Medicine, UW-Madison, Nephrology Grand Rounds

2005

Frontiers in Pharmacology, Dept of Pharmacology, UW-Madison

2006

Dept of Medicine, UW-Madison, Nephrology Grand Rounds

Immunology Colloquia, UW-Madison

Institute on Aging, UW-Madison

2007

International Eosinophil Society, Snowbird, Utah

Astellas Pharmaceuticals, Chicago IL

Genzyme Pharmaceuticals, Boston, Mass

Medical Scientist Training Program, UW-Madison

Wisconsin Blood Bank Association, Milwaukee, WI

2008

AAAAI Annual Meeting, Philadelphia, PA.

Banbury Meeting, Fragile X Syndrome, Cold Spring Harbor, NY.

Department of Pathology, UAB, Birmingham, AL.

National Fragile X Foundation Meeting, St. Louis, MO

2009

Department of Physiology, Michigan State University, Lansing, MI

Institute of Molecular Medicine and Cell Research, Center for Biochemistry and Molecular Cell Research, Albert-Ludwigs-University Freiburg, Freiburg, Germany.

International Eosinophil Society, Bruges, Belgium

Department of Pathology and Lab Medicine, UW-Madison

10<sup>th</sup> International Conference on Alzheimers Drug Discovery, Jersey City, NJ

2010

Department of Pathology and Lab Medicine, UW-Madison

American Red Cross, Badger-Hawkeye Region

Immunology Training Program, Case Western Reserve U, Cleveland, OH

Department of Pathology, Case Western Reserve U, Cleveland, OH

Wisconsin Association of Blood Banks, Milwaukee, WI

Simmons Cancer Center, UT Southwestern, Dallas, TX

2011

Alpha Eta Honorary Society, Commencement Address, UT Southwestern, Dallas, TX

Department of Pathology, UT Southwestern, Dallas, TX

2012

Recent Progress in Alzheimer's Disease, Department of Neurology & Alzheimer's Disease Center, UTSW

2013

International Symposium on Cyclophilins, Halle (Saale) Germany

2014

Thomas Jefferson University, PACB Grand Rounds, Department of Pathology, Anatomy & Cell Biology, Philadelphia, PA

2015

Department of Physiology, UTSW

2016

Center for Alzheimer's and Neurodegenerative Diseases, UTSW

2017

Fujian University, Fuzhou, China

Sun-Yat Sen University, Guangzhou, China

2018

Department of Pathology, Weill Cornell Medical School, NY, NY

Milka Monkova Lecture, Department of Pathology, UTHSCSA, San Antonio, TX.

Department of Neuroscience, Cleveland Clinic, Cleveland, OH

Wei Jieping Medical Foundation, Zhongshan, China