



Gary D. Hammer, M.D., Ph.D.
 Millie Schembechler Professor of Adrenal Cancer
 Director, Endocrine Oncology Program - Comprehensive Cancer Center
 Department of Internal Medicine - Metabolism, Endocrinology & Diabetes
 Department of Molecular & Integrative Physiology
 Department of Cellular & Developmental Biology
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CURRICULUM VITAE

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Ann Arbor, MI 48109-2200
Phone: 734-615-2421
E-Mail: ghammer@umich.edu

Education and Training

09/81-5/85 University of Vermont, Psychology, B.A. magna cum laude
09/85-5/92 Tufts University School of Medicine, M.D.
09/85-5/92 Tufts University Sackler School of Graduate Biomedical Sciences, Ph.D.
(Malcolm Low, M.D., Ph.D., Richard Goodman, M.D., Ph.D.) Hormonal and
Cell-Specific Regulation of Proopiomelanocortin Gene Expression in
Transkaryotic Rats and Transgenic Mice

Clinical Postdoctoral Training

06/92-06/93 University of California-San Francisco (UCSF), Internal Medicine Internship
07/93-06/94 UCSF, Internal Medicine Residency
07/94-06/97 UCSF, Endocrinology and Metabolism Fellowship

Research Postdoctoral Training

07/95-08/99 Orphan steroid receptors in adrenal development, UCSF, Department of
Physiology (Holly Ingraham, Ph.D.)

Certification and Licensure

1993 National Board of Medical Examiners, Diplomate
1995 American Board of Internal Medicine, Diplomate in Internal Medicine
1997 American Board of Internal Medicine, Diplomate in Endocrinology, Diabetes
and Metabolism
1993-1999 Medical Board of California, Licensee
1999- Medical Board of Michigan, Licensee #4301-075475
1992- Drug Enforcement Agency Controlled Substance Registration Certificate
(Schedules 2, 2N, 3,3N, 4, 5)

Academic, Administrative, and Clinical Appointments

07/94-08/99 Associate Physician, University of California-San Francisco (Department of
Emergency Medicine)
07/95-08/99 Assistant Research Physiologist, University of California-San Francisco
(Department of Physiology)

07/95-06/97 Clinical Instructor in Medicine, University of California-San Francisco (Department of Internal Medicine, Division of Endocrinology and Metabolism)

07/97-08/99 Attending Physician, University of California-San Francisco (Department of Internal Medicine, Division of Endocrinology and Metabolism)

09/99-present Staff Physician, University of Michigan Health System

09/99-present Staff Physician, VA Ann Arbor Healthcare System

09/99-08/05 Assistant Professor, University of Michigan (Department of Internal Medicine, Division of Metabolism, Endocrinology and Diabetes; Department of Molecular and Integrative Physiology)

2005-2011 Associate Professor, University of Michigan (Department of Internal Medicine, Division of Metabolism, Endocrinology and Diabetes; Department of Molecular and Integrative Physiology)

2005-present Millie Schembechler Professor of Adrenal Cancer

2005-present Director of the Endocrine Oncology Program-Comprehensive Cancer Center

2009-2015 Director Center for Organogenesis

2010-2011 Associate Professor, University of Michigan (Department of Cell and Developmental Biology)

2011-present Professor, University of Michigan (Department of Internal Medicine, Division of Metabolism, Endocrinology and Diabetes; Department of Molecular and Integrative Physiology; Department of Cell and Developmental Biology)

Research Interests

- Molecular underpinning of adrenocortical growth in development and cancer
- Characteristic adrenocortical stem/progenitor cell population
- Elucidate how altered regulation of cells contribute to adrenocortical disease, namely hypoplasia, dysplasia, and cancer
- Develop new target therapy for Adrenal Cancer

Grants (in chronological order)

PRESENT and ACTIVE

2R01DK062027 Hammer (PI) “Mechanisms of adrenal differentiation” (3.0 calendar months effort) 2013-2017 (total direct costs \$2,984,435).

NIH-1R21CA198730-01 Rainey, Else (PIs) “Serum biomarkers for adrenocortical cancer” (0.36 calendar months effort) 7/1/2015-6/30/2017 (total direct costs \$478,500).

SUBMITTED GRANTS

NCI NIH RO1 RCA134606A: Hammer (PI) “Wnt-responsive adrenocortical cells in organ maintenance and cancer” (3.0 calendar months effort) 2015-2020 (total direct costs \$1,650,911).

NOT FUNDED

NIH Hammer (PI) Administrative supplement “Mechanisms of adrenal differentiation” (0.36 Calendar) 07/01/2014-06/30/2015 (total direct costs \$99,916).

NIH R01 NHLBI/NIDDK PA-13-302 Rainey (PI), “Mechanisms leading to adrenal zonation”: 2014-2019, total direct costs \$1,564,785.

NIH1 R01 01 Li (PI) “Genomic analyses of adrenocortical cancer”, Hammer (Co-PI)
Start date: 4/1/2012-3/31/2017 \$509,392.

NIH/NIDDK-U54, PAF-14-PAF01252, Hammer (PI) “ANSAT: American network for the study of adrenal tumors”, 2014-2019, (20% effort) \$6,5214,250.

NIH1 F32 01 “Role of Tpp1 and telomere integrity in adrenocortical development and function” Else (PI); Hammer (Mentor): Start date: 7/1/2012-6/30/2014 \$60,962.

PREVIOUS GRANTS

ATROCOR 351004 HAMMER (PI): “Mechanistic insights of ATR-101 for treatment of adrenocortical”, (0% effort) 2013-2014 (Total costs \$50,000).

University of Michigan, MQubed Hammer (PI) “MicroRNA regulation in adrenocortical disease” 2012-2014 (total direct costs \$60,000).

University of Michigan, MICHR UL1RR024986, Hammer (PI) “Telemedicine in mitotane management for ACC” 2011–2014 (total direct costs \$300,000).

PAF11-PAF00535 Schteingart (PI), “Compassionate use protocol for the administration of CORLUX® (mifepristone) in the treatment of the signs and symptoms of endogenous Cushing’s syndrome”: 2010-2014 (total direct costs \$625,135).

University of Michigan Rackham Award: SF-1 and Dax-1 in development (0% effort) Hammer (PI); 1999-2000 (total direct costs \$15,000).

University of Michigan MDRTC Award: “Molecular mechanisms of adrenal hyperplasia” (0% effort) Hammer (PI); 2000-2001 (total direct costs \$37,975).

UMICH OVP Equipment Grant: “In vivo analysis of adrenal growth in development and disease in transgenic and knock-out mice” (0% effort) Hammer (PI); 2001 (total direct costs \$22,414).

NIDDK NIH K08 DK0239: “Clinical investigator developmental award, orphan nuclear receptors in development and disease” (75% effort) Hammer (PI); 1996-2002 (total direct costs \$461,000).

NIDDK NIH RO3 DK58125 Award: “Molecular mechanisms governing adrenal cortical growth and differentiation” (0% effort) Hammer (PI); 2000-2002 (total direct costs \$75,750).

University of Michigan MDRTC (Michigan Diabetes Research & Training Center) Award renewal: “Molecular mechanisms of Adrenal hyperplasia” (0% effort) Hammer (PI); 2001-2002 (total direct costs \$30,200).

UMICH Comprehensive Cancer Center Adrenal Cancer Grant: “Molecular mechanisms of adrenal cancer” (0% effort) Hammer (PI); 2001-2002 (total direct costs \$40,000).

UMICH UROP Faculty Mini-Grant: “Mouse molecular genetics for undergraduate students: Mouse models of adrenal disease” (0% effort) Hammer (PI); 2002 (total direct costs \$10,000).

UMICH BMRC Interim Support Grant (0% effort) Hammer (PI) 2002 (total direct costs \$10,000).

UMICH OVPR Interim Support Grant (0% effort) Hammer (PI) 2002 (total direct costs \$15,000).

UMICH Internal Medicine Innovative Grant: “Role of SF-1 In adrenocortical growth and differentiation in health and disease” (0% effort) Hammer (PI); 2002-2003 (total direct costs \$40,000).

University of Michigan Urology O’Brien Center Developmental Award: “Role of Acd in urogenital development” (0% effort) Hammer (PI); 2005 (total direct costs \$60,000).

5 K08 HD042487-05: “The ACD mouse: A model for congenital adrenal hypoplasia” Hammer (PI), 2002-2007, (total direct costs \$653,400.00).

Pfizer Phase I IGF1R Inhibitor: “Early therapeutics development with Phase II emphasis” Hammer (PI) 2006-2008 (total direct costs \$1,678) Health and Human Services.

American Cancer Society RSG DDC-106870: “Wnt signaling in adrenocortical development and cancer” (25% effort) Hammer (PI); 2004-2008 (total direct costs \$600,000).

UMICH Comprehensive Cancer Center Pilot Program: “Wnt signaling molecules in adrenocortical development and cancer” (0% effort) Hammer (PI); 2003-2009 (total direct costs \$50,000).

10-PAF02618-SAIC-Frederick, Inc.: “A multi-institutional Phase II study of IMC-A12 in patients with adrenocortical cancer: A randomized trial comparing the activity of IMC-A12 with mitotane versus mitotane alone”. Hammer (PI); 2009-2010, (total direct costs \$42,429.00).

PAR-09-056 (ARRA Admin Supplement). NIH/NIDDK: “Mechanisms of adrenal differentiation”. Hammer (PI), 2010-2010, (total direct costs \$95,655.00).

09-PAF01754 CRA to Protocol# C1073-400. “An open label study of the efficacy and safety of CORLUX (mifepristone) in the treatment of the signs and symptoms of endogenous Cushing's syndrome”. Schteingart (PI). 2008-2011, (total direct costs \$211,577.00).

University of Wisconsin: Health and Human Services. Jefcoate (PI) “Regulation of StAR expression and activated cholesterol metabolism Via mRNA 3’UTR” (1.2 Calendar months effort Hammer) 2008-2011 (total direct costs \$63,750.00).

11-PAF05514- Corcept Therapeutics, HUM00019571: “An open label study of the efficacy and safety of CORLUX® (mifepristone) in the treatment of the signs and symptoms of endogenous Cushing's syndrome”. Schteingart (PI), (2009-2011), Terminated 4/18/2012 10:54 AM, (total direct costs \$114,459.00).

10-PAF00363-Corcept Therapeutics. “An open label extension study of the efficacy and safety of CORLUX (mifepristone) in the treatment of the signs and symptoms of endogenous Cushing's syndrome”, Hammer (PI), 2009-2011, (total direct costs \$71,203.00).

UMCC 2008.080: “Enrolling a Phase II study of IMC-A12 in adrenocortical cancer” (5% effort) Hammer (PI) 2008-2012 (total direct costs \$258,974) University of Chicago/NCI.

HUM00041983: “Compassionate use protocol for CORLUX”: Schteingart (PI). Terminated 9/26/2012 8:50 AM Schteingart application.

NIDDK NIH R01 DK62027: “Mechanisms of adrenal differentiation” (30% effort) Hammer (PI); 2009-2013 (total direct costs \$1,175,000) approved by NIH NIDDK council.

378425 HRA Pharma: “Efficacy of adjuvant mitotane treatment in prolonging recurrence-free survival in patients with adrenocortical carcinoma at low-intermediate risk of recurrence” (UMCC 2009.113) Hammer (PI) 2012-2013; (total direct costs \$25,000.00).

HUM00031412 UMCC 2009.058. “A randomized, double-blind, placebo-controlled, Phase 3 study of OSI-906 in patients with locally advanced or metastatic adrenocortical carcinoma”. Hammer, Gary Terminated 1-16-2013 9:21 AM Hammer Application.

MENTORED GRANTS

Deutsche Forschungsgemeinschaft (DFG) Career Development Award (0% effort) Beuschlein (PI) (mentor for Felix Buschlein) 2001-2003 (total direct costs \$72,000).

Deutsche Forschungsgemeinschaft (DFG) Career Development Award (0% effort) Else (PI), (mentor for Tobias Else) 2003-2005 (total direct costs \$72,000).

NIH KO8: Adrenocortical Dysplasia (0% effort) Keegan (PI) (mentor for Katy Keegan, M.D., Ph.D.) 2001-2006 (total direct costs \$648,600).

Honors and Awards

- 1984 Boulder Society inductee, University of Vermont
- 1984 Mortar Board inductee
- 1984 Outstanding Contribution to Research in Psychology Award, University of Vermont
- 1985 Kidder Medal for Outstanding Senior Male, University of Vermont
- 1985 Outstanding Senior in Department of Psychology, University of Vermont
- 1985 Phi Beta Kappa inductee
- 1985 Sigma Xi inductee
- 1985 Wasson Award for Outstanding Scholar-Athlete, University of Vermont
- 1987 School of Medicine Research Symposium, Tufts University, Third Prize
- 1990 Earl P Charlton Student Research Scientist Competition, Tufts University, Second Prize
- 1992 Outstanding Achievement in Neuroscience Award, Tufts University
- 1995 Outstanding Small Group Instructor for medical school-first year, UCSF, nominee
- 1996 Outstanding Small Group Instructor for medical school-first year, UCSF, nominee
- 1997 Outstanding Small Group Instructor for medical school-first year, UCSF, nominee

- 1998 Outstanding Overall Teaching Contribution for medical school-first year, UCSF, nominee
- 1998 Outstanding Clinical Preceptor for medical school-second year, UCSF
- 1998 Outstanding Small Group Instructor for medical school-second year, UCSF, nominee
- 1998 Outstanding Small Group Instructor for medical school-second year, UCSF, nominee
- 1999 Outstanding Clinical Preceptor for medical school-second year, UCSF
- 1999 Merck Senior Fellow Award, Endocrine Society
- 1999 Gordon Research Conference on Hormone Action, Research Award
- 2005 Outstanding Reviewer Award; Molecular Endocrinology
- 2005 Jerome Conn Award for Outstanding Research, Department of Internal Medicine, University of Michigan
- 2005 University of Michigan Millie Schembechler Endowed Chair of Adrenal Cancer
- 2008 American Society of Clinical Investigation, inductee
- 2012 American Association of Physicians, inductee
- 2013 Endocrine Society Edwin B. Astwood Award Lecture for Outstanding Research in Endocrinology
- 2014 Massachusetts General Hospital Cancer Center – THE ONE HUNDRED, inductee

Memberships in Professional Societies

- 1984- Sigma Xi
- 1984- Phi Beta Kappa
- 1984- Mortar Board
- 1984- Boulder Society (University of Vermont)
- 1999- The Endocrine Society (full member)

Editorial Positions, Boards, and Peer-Review Service

Editorial Board

2001-Present	Journal of Endocrinology
2001-2009	Molecular Endocrinology (Outstanding Reviewer award, 2005)
2007-2010	Molecular and Cellular Endocrinology
2009-Present	Hormones and Cancer (inaugural editorial board)
2001-2009	American Journal of Physiology
2011-2014	Journal of Clinical Endocrinology and Metabolism
2010-Present	Trends in Endocrinology and Metabolism
2010-Present	American Cancer Society
2012-2015	Endocrine Reviews (Advisory Board)
2014-Present	Journal of Clinical Diabetes and Endocrinology
2015-Present	Associate Editor – Hormones and Cancer

Ad Hoc Reviewer

Nature Medicine
 New England Journal of Medicine
 Molecular Endocrinology
 Proceedings of the National Academy of Sciences
 Journal of Biological Chemistry
 Endocrinology

Journal of Clinical Endocrinology and Metabolism
DNA and Cell Biology
Neuroendocrinology
Clinical Endocrinology
Endocrine-Related Cancer
Pediatric Research
Molecular and Cellular Biology
Molecular Cancer
Diabetes

Peer-Review Service

Study Section

2000	NSF: Integrative Animal Biology; adhoc reviewer
2002	NIH NIDDK ZDK1 GRB-B (M2): Special Study Section RFA DK01-026
2003	UK BBSRC; adhoc reviewer
2003	UK The Wellcome Trust; adhoc reviewer
2005	National University of Singapore Academic Research Fund Committee; adhoc

Reviewer

2005	NIH/NICHHD: Heritable Disorders Branch; Site Visit Committee
2007	NIH/NICHHD: Reproductive Biology & Medicine; Site Visit Committee
2011	NIH/NICHHD: Reproductive Biology & Medicine; Site Visit Committee

Scientific Advisory Boards

2007-	ENSAT-EURACC: EU-FP7 (Collaborative project on applied OMIC technologies for adrenocortical cancer)
2009-	CARES Foundation
2010-	The Wellness Community
2010-	University of Michigan Department of Cell & Molecular Biology Predoctoral Training Program in Computational Analysis of Development – Internal Advisory Board
2012	University of Michigan Fertility Preservation Program- – Internal Advisory Board
2015-	NCI Board of Scientific Counselors -Clinical Sciences and Epidemiology (BSC-CS&E): NIH

Membership in University Programs

1999-	Comprehensive Cancer Center
1999-	Center for Organogenesis
2000-	Cell and Molecular Biology Program
2000-	Michigan Diabetes Research and Training Center
2010-	Cancer Biology Graduate Program

Teaching

Member of Training Programs

- 2000- Cell and Molecular Biology Program
- 2000- Michigan Diabetes Research Training Center
- 2002- Medical Scientist Training Program
- 2002- Glisdorf Pediatric Training Grant
- 2002- Cellular and Molecular Basis of Systems and Integrative Biology Training Grant
- 2003- Cancer Biology Training Program
- 2004- Reproductive Sciences Training Program
- 2004- Developmental Origins of Endocrine Disease Training Grant
- 2006- Organogenesis Training Program
- 2004- Tissue Engineering and Regeneration
- 2005- Advancing Child Health through Cell and Molecular Biology
- 2005- Cellular and Molecular Biology in Pediatrics Training Program
- 2005- Short Term Training: Students in Health Professional Schools

Students, Trainees, Clinical Fellows, Postdoctoral Fellows

Mentorship

University of California, San Francisco:

- 1999 Kimberly Simpson, B.S. Department of Physiology (undergraduate)
Current Position: Graduate Student
- 1999 Riva Rahl, M.D. Department of Internal Medicine (medical student)
Current Position: Internist, Dallas, Texas.

University of Michigan Faculty (Scientific Development Committee)

Ghada Soliman, M.D. Ph.D.

Current Position: Research Assistant Professor, University of Michigan Department of Internal Medicine, Division of Metabolism, Endocrinology and Diabetes

Stephen Lentz, Ph.D.

Current Position: Lab Director of the Morphology and Image Analysis Core of the Michigan Diabetes Research and Training Center (Mentor)

Sharlene Day, M.D.

Current Position: Assistant Professor, University of Michigan Department of Internal Medicine, Division of Cardiology

Dina Schneider, Ph.D.

Current Position: Post-doctoral Fellow, University of Michigan Department of Internal Medicine, Division of Pulmonology (Mentor: Marc Hersenson)

University of Michigan Post-doctoral Fellows

- 1999-2000 Babu Poda Suresh, Ph.D. Department of Internal Medicine.
Current Position: Research Scientist, Lundbeck Research USA, Inc.
- 2000-2002 Felix Beuschlein, M.D. Department of Internal Medicine.
(2001-2003) Biomedical Research Council Postdoctoral Research Award
(2001-2003) Deutsche Forschungsgemeinschaft (DFG) Career Development Award
(2005) Endocrine Society Merck Senior Fellow Award
Current Position: Assistant Professor, University of Freiburg, Germany.
- 2000-2004 Catherine Keegan, M.D., Ph.D. Department of Pediatrics.
(2000-2003) Medical Genetics Training Program
(2002-2003) Department of Pediatrics Research Award
(2002-2007) NIH Career Development Award (KO8)
Current Position: Assistant Professor, University of Michigan
- 2000-2002 Daniel Elsholz, M.D. Departments of Internal Medicine and Pediatrics.
(2000-2004) Michigan Diabetes Research and Training Grant
Current Position: Assistant Director of Internal Medicine, Synergy Medical Education Alliance, Saginaw, MI.
- 2003-2008 Tobias Else, M.D. Department of Internal Medicine.
(2003-2006) Deutsche Forschungsgemeinschaft (DFG) Career Development Award
Current Position: Assistant Professor; University of Michigan, Ann Arbor, MI.
- 2005-2006 Yanping Kong, M.D., Ph.D. Department of Internal Medicine.
(2005-2007) Michigan Diabetes Research and Training Grant
Current Position: Endocrinologist, Dartmouth-Hitchcock, Manchester, NH.
- 2005-2008 Wei-Hsiung Yang, Ph.D. Department of Internal Medicine.
Current Position: Assistant Professor: Mercer University School of Medicine, Savannah, GA.
- 2009-2011 Michelle Wood, Ph.D. Department of Internal Medicine.
Current Position: Research Fellow Magee-Women's Research Institute, University of Pittsburgh, Pittsburgh, PA.
- 2009-2011 Mohammed Zubair, Ph.D. Department of Internal Medicine.
- 2011- Yewei Xing, Ph.D. Department of Internal Medicine

- 2013- Roy Lirov, M.D. Department of Surgery
Current Position: Surgical Resident, Department of Surgery,
University of Michigan, Ann Arbor, MI.
- 2013- Namita Hattangady, Ph.D., Department of Molecular & Integrative
Physiology
- 2013- Valerentino Crudo, Department of Molecular & Integrative Physiology
Current Position: Senior Chief Resident in Internal Medicine,
University of Turin
- 2014- Kaitlin Basham, Ph.D. Department of Internal Medicine
(2014-2015 Heather Rose Kornick Scholar
- 2014- Holly Hung, Ph.D. Department of Internal Medicine

University of Michigan Graduate Students:

- 1999-2005 Brian Gummow, B.S. Department of Molecular and Integrative
Physiology.
(2000-2002)Systems and Integrative Biology Training Program
(2002-2004)Reproductive Sciences Program Training Grant
Current Position: Law Student
- 2002-2006 Brendan Looyenga, B.S. Cell and Molecular Biology Program.
(2002-2003)Cell and Molecular Biology Program Training Program
(2003-2005)Cancer Biology Training Grant
(2005-2006)Michigan Society of Fellows
(2003)University of Michigan Rackham Excellence in Teaching
Award
(2005) Endocrine Society Basic Science Award (highest scored
application)
(2005) Associate, University of Michigan Society of Fellows (1 of 3)
Current Position: post-doctoral fellow; VanAndel Institute, Grand
Rapids, MI, Associate Professor, Calvin College, Grand Rapids, MI.
- 2000-2006 Jonathon Winnay, B.S. Department of Molecular and Integrative
Physiology.
(2001-2003)Systems and Integrative Biology Training Program
(2004-2006)Tissue Engineering Training Grant
Current Position: Postdoctoral Fellow, Joslin Diabetes Center, Boston,
MA.
- 2003-2009 Alex Kim, B.S. Cell and Molecular Biology Program.
(2004-2005)Cell and Molecular Biology Program Training Program
(2005-2007) Rackham Fellowship Award
Current Position: Surgical Resident, University of Michigan, Ann
Arbor, MI.

- 2004-2010 Joshue Scheys, B.S. Cell and Molecular Biology Program.
(2004-2005) Cell and Molecular Biology Program Training Program
Current Position: Research Fellow, University of Michigan
- 2005-2010 Ferdous Barlaskar, B.S. Medical Scientist Training Program
Current Position: Resident, University of Rochester Medical Center,
Rochester, NY.
- 2006-2010 Victoria Cancelli-Haggerson, B.S. Cell and Molecular Biology
Program.
(2006- 2007) Cell and Molecular Biology Program Training Program
Current Position: Group Leader, Coriell Inst. For Medical Research,
Camden, NJ.
- 2007-2012 Derek Simon, B.S. Cell and Molecular Biology Program.
(2007-2008) Cell and Molecular Biology Program Training Program
Current Position: Postdoc, Rockefeller University
- 2007-2012 Ken Krill, B.S. Medical Scientist Training Program.
Current Position: Medical School, University of Michigan, Ann Arbor,
MI.
- 2008 - 2014 Elizabeth Starnes, Cell and Molecular Biology Program.
(2008-2009) Cell and Molecular Biology Program Training Program
(2010-2011) Cancer Biology Training Grant
Current Position: Postdoctoral Fellow, Stanford University, Stanford,
CA.
- 2013 - 2013 Roberto Miguez, M.S., Biomedical Engineering Graduate Program.
Current Position: Database Analysis, University of Michigan, Ann
Arbor, MI.
- 2014 - 2015 Sheau Yun Melody Ku, B.S., School of Information Graduate
Program.
Current Position: Graduate Student, University of Michigan
- 2015 - Morgan Penny, B.S., Cancer Biology Graduate Program
Current Position: Graduate Student, University of Michigan

University of Michigan Medical Students:

- 2011 Andrew Williams, B.S. Summer Biomedical Research Program

Visiting Faculty:

- 2008-2009 Claudimara Lotfi, Ph.D. Sabbatical
Current Position: Assistant Professor, University of Sao Paulo, Brazil

Visiting Post-doctoral Fellow:

2012- Antonio Lerario, M.D., Ph.D.

Visiting Graduate Student:

2013 Monica Malheiros Franca, Graduate Student
Current Position: Graduate Student, University of Sao Paolo, Brazil

Visiting Medical Students:

2007-2009 Alessia Trovato, M.D. Research Scientist
Current Position: Medical Student, University of Padova, Italy

2009-Present Isabella Finco, M.D. Postdoctoral Fellow
Current Position: Postdoctoral Fellow, University of Michigan

2012-2012 Lorena Oliveira Lima, M.D.
Current Position: Graduate Student, University of Sao Paolo

Visiting Undergraduate Students

2013 Thiago Nogueira-University of Sao Palo, Brazil

University of Michigan Undergraduate Students:

2001-2002 Christopher Mutch, B.S. Department of Biology
(2001-2002)Independent Research
(2001)Endocrine Society Summer Fellowship
Current Position: MSTP student (M.D., Ph.D.), Northwestern
University, Chicago, Illinois

1999-2003 Sonalee Shah, M.D. Department of Biology
(1999-2000) UROP
(2000-2003) Independent Research
(2003) UROP Summer fellowship
Current Position: Anesthesiologist, Henry Ford Hospital, Detroit,
Michigan

2001-2002 Stephanie Bleasdale Department of Biology
(2001-2002) Undergraduate Research Opportunity Program- UROP
Current Position: Undergraduate Student, University of Michigan

2001- 2004 Janna Hutz Department of Biology
(2001-2002) UROP
(2002-2004) Independent Research
(2003) UROP Summer fellowship
(2003) Endocrine Society Summer Fellowship
(2004) Outstanding Oral Presentation, 18th International Mouse
Genome Conference
Current Position: Graduate Student in Genetics, Washington
University, St. Louis, Missouri

2001-2003 Jung-Min Kim Department of Biology
(2001-2003) Work-Study program
Current Position: Undergraduate Student, University of Michigan

2002-2004 Megan Hall Department of Biology
(2002-2003) UROP
(2003-2004) Independent Research
Current Position: Undergraduate Student, University of Michigan

2004 Da-Shu Jiang
(Summer 2004) University of Michigan SROP
Current Position: Undergraduate Student, University of Texas at Austin

2004 Sue Shokoohi Department of Biology
(2004) Undergraduate Volunteer
Current Position: Undergraduate Student, University of Michigan

2004 Ivy Haskins Department of Biology
(2004) Work-Study Program
Current Position: Undergraduate Student, University of Michigan

2004 Allison Boyd Department of Biology
(2004-2005) Undergraduate Research Opportunity Program- UROP
Current Position: Undergraduate Student, University of Michigan

2004 Madelline Morley Department of Biology
(2004-2005) Undergraduate Research Opportunity Program- UROP
Current Position: Undergraduate Student, University of Michigan

2005-2009 Kerri Serecky Department of Biology
(2005-2006) Undergraduate Research Opportunity Program- UROP
Current Position: General Surgery Resident,
Washington University, St. Louis, Missouri

2005 Deanna Denysenko Department of Biology
(2004) Work-Study Program
Current Position: Undergraduate Student, University of Michigan

2008 Ashley Thompson MSTP Program
(2008) MSTP Summer Research Program

2014 Kimmie Hamrick Department of Biology
Undergraduate Research Opportunity Program- UROP
Current Position: Undergraduate Student, University of Michigan

Dissertation Committees or Chair Services

University of Michigan Dissertation Committees:

Hammer Laboratory

1999-2005	Brian Gummow, Ph.D. Molecular and Integrative Physiology, (Chair)
2000-2006	Jonathon Winnay, B.S., Ph.D. Molecular and Integrative Physiology, (Chair)
2002-2006	Brendan Looyenga, B.S., Ph.D. Cell and Molecular Biology, (Chair)
2003-2009	Alex Kim, M.D., Ph.D. Cell and Molecular Biology, (Chair)
2004-2010	Joshua Scheys, Ph.D. Cell and Molecular Biology, (Chair)
2005-2010	Ferdous Barlaskar, M.D., Ph.D. Cell and Molecular Biology, (Chair)
2006-2010	Victoria Cancelli, Ph.D. Cell and Molecular Biology, (Chair)
2008-2012	Derek Simon, Ph.D. Cell and Molecular Biology, (Chair)
2008-2012	Ken Krill, M.D., Ph.D. Cell and Molecular Biology, (Chair)
2013-2013	Roberto Miguez, M.S., Biomedical Engineering Graduate Program.
2010-2014	Elizabeth Starnes, Ph.D. Cell and Molecular Biology, (Chair)
2015-	Morgan Penny, Cancer Biology (Chair)

Other Dissertation Committees; Served but not as Chair

2000-2001	Robin Erickson, Ph.D. Molecular and Integrative Physiology
2001-2005	Christina Bennett, Ph.D. Molecular and Integrative Physiology
2002-2003	Amy Meyer, Ph.D. Neuroscience
2002-2005	Matt Kasper, Ph.D. Cell and Molecular Biology
2002-2004	Michael Charles, Ph.D. Cell and Molecular Biology
2003-2008	Aaron Rozeboom, Ph.D. (Mentor: Audrey Seasholtz, Ph.D.): Cell and Molecular Biology
2003-2007	Sarah Peters, Ph.D. (Mentor: Didi Robins, Ph.D.): Cell and Molecular Biology
2003-2007	Marsha Ousman, Ph.D. Cell and Molecular Biology
2003-2008	Travis Maures, Ph.D. Cell and Molecular Biology
2003-2008	Evan Michaels, M.D., Ph.D. (Mentor: Andrzej Dlugosz, M.D.): M.S.T.P/Cell and Molecular Biology
2003-2006	Nicole Acevedo, Ph.D. (Mentor: Gary Smith, Ph.D.): Molecular and Integrative Physiology
2002-2007	Christine Ivashchenko, Ph.D. (Mentor: Rick Mortensen, M.D., Ph.D.): Molecular and Integrative Physiology
2002-2004	Maren Fuentes, Ph.D. (Mentor: Craig Logston, Ph.D.): Cell and Molecular Biology
2004-2005	Therese M. Roth, Ph.D. (Mentor: Kate Barald, Ph.D.): Cell and Developmental Biology
2005-2007	Julie Rumble, Ph.D. (Mentor: Colin Duckett): Immunology
2005-2010	Amanda Evans, Ph.D. (Mentor: Phil Gage): Cell and Molecular Biology
2006-2010	Kelli VanDussen, Ph.D. (Mentor: Linda Samuelson): Cell and Molecular Biology
2006-2010	Feng Wang, Ph.D. (Mentor: Ming Lei): Biochemistry

2007-2010	Steven Philips, Ph.D. (Mentor: Theo Ross): Cell and Molecular Biology
2007-2008	Brendon Crawford, Ph.D. (Mentor: Jay Hess): Cell and Molecular Biology
2007-2012	Mike Steinbaugh, Ph.D. (Mentor: Richard Miller): Cell and Molecular Biology
2007	Marte Rusten, Ph.D. University of Bergen, Norway (External Examiner)
2008-2011	Devin Rosenthal, Ph.D. (Mentor: Sophia Merajver): Cell and Molecular Biology
2009	Susanna Vuorenoja, Ph.D., University of Turku, Finland (External Examiner)
2010-2013	Katy Dumas (Mentor: Patrick Hu): Cell and Molecular Biology
2010-Present	Daniel Treisman (Mentor: Yuan Zhu): Cell and Molecular Biology
2013-Present	Mangala Iyengar (Mentor: Ronald Buckanovich) Cancer Biology
2014-Present	Jianrui Song (Mentor: Richard Mortensen) Cell and Developmental Biology
2015-Present	Carl Engelke (Mentor: Arul Chinnaiyan) Pathology

Attending Physician

2000-2010	Endocrinology Consult Attending (1 month/year)
2010-	Endocrinology Consult Attending (2 weeks/year)
2003	General Medicine Ward Attending (2 weeks)

University of Michigan Qualifying Exam Committees:

2001	Christina Bennett: Molecular and Integrative Physiology
2001	Heather O'Hagan: Cell and Molecular Biology
2002	Norma De Jesus: Cell and Molecular Biology
2002	Jason Kurzer: Cell and Molecular Biology
2002	Maren Fuentes: Cell and Molecular Biology Program
2003	Matthew J. Merrins: Molecular and Integrative Physiology
2003	Christine Ivashchenko: Molecular and Integrative Physiology
2003	Lymari Lopez-Diaz: Cell and Molecular Biology, (Chair)
2003	Phil Palmbo: Cell and Molecular Biology
2003	Nicole Acevedo: Molecular and Integrative Physiology
2004	Matthew Pratt Hyatt: Cell and Molecular Biology
2004	Natalie Whitfield: Cell and Molecular Biology
2004	Matthew Detrow: Pharmacology
2005	Devin Horton: Cell and Molecular Biology, (Chair)
2005	Shenghui He: Cell and Molecular Biology
2005	Hoseong (Steve) Yang: Cell and Molecular Biology
2006	Eneida Villanueva: Molecular and Integrative Physiology
2006	Gwen Louis: Molecular and Integrative Physiology
2006	Nathan Lanning: Cell and Molecular Biology
2006	Kelli VanDussen: Cell and Molecular Biology
2006	Hailu Shitaye: Cell and Molecular Biology
2006	Susan Faust: Cell and Molecular Biology, (Chair)
2007	Steve Philips: Cell and Molecular Biology

2007	Brendon Crawford: Cell and Molecular Biology, (Chair)
2007	Heather Krueger: Cell and Molecular Biology
2008	Heather Ames: Cell and Molecular Biology, (Chair)
2008	Asma Al Menhali: Molecular and Integrative Physiology
2008	Devin Rosenthal: Cell and Molecular Biology
2008	Dang Vu Phan: Cell and Molecular Biology
2009	Marsha Thomas: Cell and Molecular Biology, (Chair)
2010	Katie Dumas: Cell and Molecular Biology
2010	Erik Anderson: Cell and Molecular Biology
2013	Mandala Iyengar: Cell and Molecular Biology
2013	Evelyn Jiagge: M.D., Cancer Biology
2014	Susana Chan: Cell and Molecular Biology
2014	Matthew Taylor: Molecular and Integrative Physiology
2015	Anna Gormley: Cell and Molecular Biology (MSTP)

Intramural Lectures

Research Conferences

1983-1985	University of Vermont Undergraduate Research Symposium, Poster Session Chair (1985)
1987	Tufts University School of Medicine Research Symposium, Poster Session
1999	Phosphate Club, Invited Speaker
1999	MDRTC, Invited Speaker
1999	Comprehensive Cancer Center, Invited Speaker
1999	Hormone Club (Departments of Biology, Human Genetics and Internal Medicine), Speaker
1999	Nephrology Seminar Series, Department of Internal Medicine, Invited Speaker
1999	Human Genetics Seminar series, Department of Human Genetics, Invited Speaker
2000	Pediatric Endocrinology Seminar series, Department of Pediatrics, Invited Speaker
2001	Endocrinology and Metabolism Research Conference, Department of Internal Medicine, Speaker
2001	Comprehensive Cancer Center Seminar, Speaker
2001	Cell and Molecular Biology 850: Seminar Speaker
2001	Pharmacology Seminar Series, Department of Pharmacology, Invited speaker
2003	Endocrinology and Metabolism Research Conference, Department of Internal Medicine, Speaker
2003	Internal Medicine Faculty Research Conference, Department of Internal Medicine, Speaker
2005	Molecular & Integrative Physiology Seminar Series, Speaker
2005	ULAM Seminar Series, Speaker
2005	Transcription Club, Speaker
2005	Medical Student Family and Medicine Panel (Discussant)
2006	Comprehensive Cancer Center Stem Cell Meeting, Speaker
2006	Michigan Difference Campaign, (West Palm Beach & Naples), Invited Faculty Speaker
2006	Cell & Developmental Biology Seminar Series, Speaker

- 2006 Internal Medicine Residency Retreat (HO2), Panel Discussant (Career and Family)
- 2006 Undergraduate Research Opportunities Program, Panel Discussant (Medical and Science Careers)
- 2006 Internal Medicine Residency Retreat (HO3), Panel Discussant (Launching your Career)
- 2006 Medical Student Family and Medicine Panel (Discussant)
- 2007 Reproductive Sciences Program Seminar Series, Speaker
- 2007 Comprehensive Cancer Center Summer Student Seminar
- 2007 Endocrinology and Metabolism Research Conference, Department of Internal Medicine, Speaker
- 2008 Endocrinology and Metabolism Research Conference, Department of Internal Medicine, Speaker
- 2009 Molecular Mechanism of Disease Program, Invited Speaker
- 2010 Endocrinology and Metabolism Research Conference, Department of Internal Medicine, Speaker (Adrenal Stem Cells and Cancer)
- 2010 Pathology Grand Rounds, Invited Speaker (Adrenal Function Testing)
- 2010 Pediatric Hematology Oncology Research Conference, Invited Speaker (Adrenal Cancer)
- 2011 Nephrology Research Conference, Department of Internal Medicine, Speaker (Adrenal Hypertension)
- 2012 Cancer Biology Program Lecture Series, Invited Speaker (Adrenal Stem Cells and Cancer)
- 2013 Pediatric Endocrinology Grand Rounds, Invited Speaker (Translating Adrenal Stem Cells)
- 2013 Endocrinology and Metabolism Research Conference, Department of Internal Medicine, Speaker (Translating Adrenal Stem Cells)
- 2013 MICHR research STUDIO Sessions – Career Talk
- 2013 Cancer Biology Program Research Conference (Translating Adrenal Stem Cells)
- 2015 Molecular & Integrative Physiology Lunchtime Seminar Series (Adrenal Growth in Health and Disease)
- 2015 Endocrinology and Metabolism Research Conference, Department of Internal Medicine, Speaker

Clinical Conferences- Intramural

- 2000 Endocrinology and Metabolism Clinical Conference, Department of Internal Medicine, Speaker (Genetics of Adrenal Insufficiency)
- 2001 Grand Rounds: CPC, Department of Internal Medicine, Invited Speaker (Cushing's Disease)
- 2001 Endocrinology and Metabolism Fellows Conference, Department of Internal Medicine, Speaker (Adrenal Diseases)
- 2002 30th Annual Spring Update in Internal Medicine, Invited Speaker (Adrenal Masses)
- 2002 Endocrinology and Metabolism Clinical Conference, Department of Internal Medicine, Speaker (Genetics of Adrenal Insufficiency)
- 2002 Annual Update in Endocrinology and Metabolism, Invited Speaker (Adrenal Insufficiency)
- 2003 Annual Update in Endocrinology and Metabolism, Invited Speaker (Steroid

	Replacement)
2005	Grand Rounds: Department of Internal Medicine, Invited Speaker (Adrenal Stem Cells: Development and Cancer)
2005	Endocrinology and Metabolism Clinical Conference, Department of Internal Medicine, Speaker (Adrenal Diseases)
2007	Endocrinology and Metabolism Clinical Conference, Department of Internal Medicine, Speaker (Adrenal Diseases)
2008	Endocrinology and Metabolism Clinical Conference, Department of Internal Medicine, Speaker (Adrenal Diseases)
2008	Annual Update in Endocrinology and Metabolism, Invited Speaker (Adrenal Cancer)
2009	Grand Rounds: Department of Internal Medicine, Invited Speaker (MEND CPC)
2009	Preventive Cardiology, Hypertension, Vascular Medicine, Lipids/Atherosclerosis Conference, Cardiovascular Center, Invited Speaker (Adrenal hypertension)
2010	University of Michigan MiniMed Lecture Series (Adrenal Disease)
2010	Preventive Cardiology, Hypertension, Vascular Medicine, Lipids/Atherosclerosis Conference, Cardiovascular Center, Invited Speaker (Adrenal hypertension)
2015	Comprehensive Cancer Center – Clinical Trial Office - Seminar Adrenal Cancer-Being Bold and Vulnerable in Science and Medicine

Didactic Courses, Other Relevant Teaching Activities

1988-1990	Course Facilitator, Problem Based Learning. Tufts University School of Medicine (10 hr)
1994-1999	Course Facilitator, Medical Physiology 101. UCSF Department of Physiology (10 hr)
1995-1999	Course Director, Stress: the brain and the body. UCSF Department of Physiology (20 hr)
1997-1999	Mentor, Undergraduate Research Day. Endocrine Society (5 hr)
1997-1999	Clinical Educator, Introduction to Clinical Medicine. UCSF (10 hr)
1999	Selected Lecturer, Medicine 111: Mechanisms of Disease, UCSF School of Medicine (1 hr)
2000	Instructor, UMICH PIBS 653 – Gene Expression III: Nuclear Receptors in Sex Determination (4 hr)
2000-2003	Instructor, M2 Endocrinology Small Group Instruction, UMICH School of Medicine (8 hr)
2000	Judge, (Education Committee, Endocrine Society) International Science Fair (4 hr)
2000	Mentor, University of Michigan Medical School Summer Science Academy (1 hr)
2001-present	Lecturer, Physiology 555: Integrative Genomics (Mouse Models of Adrenal Disease), UMICH School of Medicine (6 hr)
2001	Lecturer, CMB 850, UMICH School of Medicine (1 hr)
2001-present	Lecturer, M2 Sequence in Endocrinology (Adrenal Disease – 3 hr), UMICH School of Medicine
2001	Lecturer, Physiology 591: Special Topics in Signal Transduction (Regulated Phosphorylation of Nuclear Receptors), UMICH School of Medicine (6 hr)

- 2004 Lecturer, Pharmacology 660 (Endocrine Pharmacology – 2 hr; Androgens – 2 hr), UMICHSchool of Medicine
- 2004 Lecturer, Cell and Developmental Biology 685 (Module III: Development of the Hypothalamic-Pituitary-Adrenal Axis), UMICHSchool of Medicine (6 hr) course co-director
- 2004-2005 Instructor, M2 Endocrinology Small Group Instruction, UMICHSchool of Medicine (4 hr)
- 2004-2005 Monitor, Cancer Biology Training Program Journal Club (1 hr/month, 10m/yr)
- 2006 Instructor, M1 Endocrinology Small Group Instruction (PCOS), UMICHSchool of Medicine (1 hr)
- 2007 Instructor, M1 Endocrinology Small Group Instruction (PCOS), UMICHSchool of Medicine (1 hr)
- 2007 Lecturer, Physiology 510: Integrative Physiology (Adrenal Physiology) (UMICHSchool of Medicine (1 hr)
- 2008 Instructor, M2 Endocrinology Small Group Instruction, UMICHSchool of Medicine (4 hr)
- 2008 Lecturer, M2 Sequence in Endocrinology (Adrenal Disease – 3 hr), UMICHSchool of Medicine
- 2008 Lecturer, Cell and Developmental Biology 680: Organogenesis of Complex Tissues (Adrenal module), UMICHSchool of Medicine (2 hr)
- 2009 Lecturer, Physiol/Biol/Dev&Cell Biol 541 // Psych 532: Mammalian Reproductive Endocrinology (Adrenal/Gonadal Differentiation), UMICHSchool of Medicine (2 hr)
- 2009 Lecturer, Cell and Developmental Biology 680: Organogenesis of Complex Tissues (Adrenal module), UMICHSchool of Medicine (2 hr) Spring
- 2009 Lecturer, Cell and Developmental Biology 680: Organogenesis of Complex Tissues (Adrenal Module), UMICHSchool of Medicine (2 hr) Fall
- 2010 Lecturer, Physiol/Biol/Dev&Cell Biol 541 // Psych 532: Mammalian Reproductive Endocrinology (Adrenal/Gonadal Differentiation), UMICHSchool of Medicine (2 hr)
- 2010 Lecturer, M2 Sequence in Endocrinology (Adrenal disease – 3 hr), UMICHSchool of Medicine
- 2010 Instructor, M2 Endocrinology Small Group Instruction, UMICHSchool of Medicine (4 hr)
- 2010 Lecturer, Noon Lecture Series: Careers in science, UMICHMolecular and Integrative Physiology (1 hr)
- 2010 Lecturer, Cell and Developmental Biology 680: Organogenesis of Complex Tissues (Adrenal module), UMICHSchool of Medicine (2 hr) Fall
- 2011 Lecturer, Physiol/Biol/Dev&Cell Biol 541 // Psych 532: Mammalian Reproductive Endocrinology (Adrenal/Gonadal Differentiation), UMICHSchool of Medicine (2 hr)
- 2011 Lecturer, Cell and Developmental Biology 680: Organogenesis of Complex Tissues (Adrenal Module), UMICHSchool of Medicine (2 hr)
- 2012 Lecturer, Translational Physiology, Molecular and Integrative Physiology, UMICHSchool of Medicine (1hr)
- 2012 Lecturer, Physiol/Biol/Dev&Cell Biol 541 // Psych 532: Mammalian Reproductive Endocrinology (Adrenal/Gonadal Differentiation), UMICHSchool of Medicine (2 hr)

- 2012 Lecturer, Cell and Developmental Biology 680: Organogenesis of Complex Tissues (Adrenal module), UMICHSchool of Medicine (2 hr)
- 2012 Cell & Molecular Biology retreat; Invited Faculty Speaker (1 hr)
- 2012 Lecturer, Noon Lecture Series: Careers in Science, UMICHSchool of Medicine and Integrative Physiology (1 hr)
- 2013 Lecturer, Translational Physiology, Molecular and Integrative Physiology, UMICHSchool of Medicine (1 hr)
- 2013 Lecturer, Cell and Developmental Biology 680: Organogenesis of Complex Tissues (Adrenal module), UMICHSchool of Medicine (2 hr)
- 2014 Lecturer, Translational Physiology, Molecular and Integrative Physiology, UMICHSchool of Medicine (1 hr)
- 2014 MICHR Career Talk (1 hr)
- 2014 CCC Cell Bio Seminar (1 hr)
- 2014 Cancer Biology Training Program Seminar (1 hr)
- 2014 TedXUofM Invited Speaker
- 2014 Cell & Developmental Biology Research Seminar (1 hr)
- 2014 Lecturer, Noon Lecture Series: Careers in science, UMICHSchool of Medicine and Integrative Physiology (1 hr)
- 2014 Lecturer, Honors 252, Creativity in the Sciences and Arts (Adrenal Cancer), UMICHSchool of Medicine LSA (1 hr)
- 2015 Lecturer, Cell and Developmental Biology 582: Organogenesis: Stem Cells to Regenerative Biology (Adrenal Module), UMICHSchool of Medicine (2 hr)
- 2015 Lecturer, Noon Lecture Series: Careers in science, UMICHSchool of Medicine and Integrative Physiology (1 hr)
- 2015 Lecturer, Physiology Lab Luncheon Lecture Series: UMICHSchool of Medicine and Integrative Physiology (2 hr)
- 2015 Lecturer, Honors 252, Creativity in the Sciences and Arts (Adrenal Cancer), UMICHSchool of Medicine LSA (1 hr)

Upcoming

- 2016 Lecturer, BME: Innovations in Biomedical Research and Technology (Adrenal Stem Cells and Regeneration: UMICHSchool of Medicine BME (1 hr)
- 2016 Lecturer, How to Give the Talk of a Lifetime (Preparing a TED talk) UMICHSchool of Medicine LSA (1 hr)

Clinical Teaching Conferences-Intramural

- 2002 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Insufficiency)
- 2003 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Masses)
- 2004 Morning Report, Department of Internal Medicine, Invited Speaker (Adrenal Disease)
- 2004 Invited Faculty, Internal Medicine Morning Report, UMICHSchool of Medicine (1 hr x2)
- 2005 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Diseases) 2 Separate Lectures
- 2005 Invited Faculty, Internal Medicine Morning Report, UMICHSchool of Medicine (1 hr)
- 2005 Endocrinology Fellows Conference, Invited Speaker (Sex Determination)

2005 Ambulatory Care Morning Report, Department of Internal Medicine, Invited Speaker

2005 Michigan Adrenal Support Group, Invited Speaker

2005 Endocrinology Fellows Conference, Invited Speaker (Adrenal Masses)

2006 Invited Faculty, Internal Medicine Morning Report, UMich (1 hr x2)

2006 Endocrinology Fellows Conference, Invited Speaker (Sex Determination)

2006 Pathology Resident Conference, Invited Speaker (Adrenal Function Testing)

2006 Endocrinology Fellows Conference, Invited Speaker (Adrenal Masses)

2007 Noon Conference, Department of Internal Medicine, Invited Speaker (Career Planning: Financial Issues)

2007 Endocrinology Fellows Conference, Invited Speaker (Adrenal Masses)

2007 Endocrinology Fellows Conference, Invited Speaker (Sex Determination)

2007 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Diseases)

2008 Invited Faculty, Internal Medicine Morning Report, UMich (1 hr x2)

2008 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Masses)

2008 Endocrinology Fellows Conference, Invited Speaker (Adrenal Masses)

2009 Internal Medicine Ambulatory Care Conference, Invited Speaker (Adrenal Masses)

2009 Endocrinology Fellows Conference, Invited Speaker (Adrenal Masses) 2 conferences

2009 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Masses)

2010 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Masses)

2011 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Masses)

2012 Noon Conference, Department of Internal Medicine, Invited Speaker (Adrenal Masses)

2012 Clinical Didactic Conference, Department of Internal Medicine Hematology/Oncology Fellowship Program, Invited Speaker (Adrenal Cancer)

2013 Research Conference, Department of Internal Medicine Hematology/Oncology, Invited Speaker (Adrenal Cancer)

2014 Endocrinology Fellows Conference, Invited Speaker (Adrenal Cancer)

2014 Clinical Trials Office – Comprehensive Cancer Center, Special Lecture (Vulnerability and Presence in Science and Medicine)

Upcoming

2016 Endocrinology Fellows Conference, Invited Speaker (Adrenal Cancer)

Committee, Organizational Service

Institutional Committees

2001 Cell and Molecular Biology Program Recruitment Committee: Presentation Coordinator

2000 Cell and Molecular Biology Program Symposium: Judge
 2001 Cell and Molecular Biology Program NIH Site Visit Panel
 2001 Michigan Diabetes Research Training Center: Research Task Force
 2001 Michigan Diabetes Research Training Center: Diabetes/Bioinformatics Task Force
 2002- Career Advisory Panel, Medical Scientist Training Program, UMICH
 2003- Center for Integrative Genomics Operating Committee, UMICH
 2004-2007 Systems & Integrative Biology Training Grant Operating Committee
 2004 Michigan Diabetes Research Training Center: Pilot and Feasibility Grant Review Committee, adhoc
 2005 Cell and Molecular Biology Program Recruitment Committee
 2005 Division of Metabolism, Endocrinology & Diabetes Clinical Peer Review Committee
 2005 Division of Metabolism, Endocrinology & Diabetes Website Development Committee
 2005 Cell and Molecular Biology Program Website Development Committee
 2006-2007 Center for Organogenesis Seminar Series Committee,
 2005- Director - Comprehensive Cancer Center Endocrine Oncology Program
 2008- Cell and Molecular Biology Program Committee,
 2008- Cell and Molecular Biology Preliminary Exam Restructuring Committee - Chair
 2009-2015 Director - Center for Organogenesis
 2009- Committee member - Med School Administration Office of Research Leadership
 2009- Council Member - Med School Administration Dean's Advisory Council
 2010- MICHR Admissions Committee (PTSP)
 2010- Cancer Biology Graduate Program – Steering Committee
 2010- Cell and Developmental Biology Department – Promotion Committee
 2011-2012 EVPMA UMHS Development Integration Task Force
 2012- Implementation Lead Team – UMHS Development
 2012- Search committee Chair for CMB Director
 2012 UM Presidential Delegation Brazil Planning Committee
 2013- UMHS Development Leadership Advisory Group
 2014- UMHS CCC – Clinical Marketing Committee

National

The Endocrine Society:

2000-2003 Minorities Affairs Committee
 2000-2003 Student Affairs Committee
 2003-2008 Chair
 2000-2003 Chair Oral Session: HPA axis, Endocrine Society Annual Meeting
 2006 Chair Oral Session: HPA axis, Endocrine Society Annual Meeting
 2002-2008 Abstract Reviewer, Endocrine Society Annual Meeting (Adrenal Team Leader 2009)
 2005 Mentoring Task Force (Chair)
 2006-2007 Strategic Plan 2 Task Force
 2007 Direction V Task Force/Working Group

2007-2010 Annual Meeting Steering Committee
 2009 Annual Meeting Trainee Day (Basic Science Chair)
 2009-2010 Publication Committee
 2010-2011 Strategic Plan 3 Task Force
 2010-2013 Council
 2012-2015 Endocrine Reviews Advisory Board
 2014- Committee on Governance Affairs (COGA)
 2014- FLARE Mentoring Network: Mentor - Jaydira Del Rivero
 2015- Hormones and Cancer - Associate Editor
 2015-2016 Annual Meeting Steering Committee (AMSC): Clinical
 Research co-Chair (ENDO 2016)
 2016- 2017 Annual Meeting Steering Committee (AMSC): Overall
 Chair (ENDO 2017)

American Association for Cancer Research:

2009, 2010 Molecular and Preclinical Endocrinology Subcommittee of the
 Endocrinology Section; Program Committee

University of Chicago - Phase 2 NCI CTEP Consortium:

2010- Endocrine Oncology Team Leader

Faculty of Medicine 1000:

2007- Evaluation Board: Adrenal Cortex - Diabetes &
 Endocrinology

International

Biannual International Adrenal Cortex Meeting

Invited speaker, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014
 Program Committee; 2006, 2008, 2010, 2016

International Adrenal Cancer Consensus Conference

2004 Organizing Committee

International Adrenal Cancer Symposium

2008 Organizing Committee Chairman

2015 Organizing Committee Chairman

Hormonal Steroid/Hormones and Cancer Congress

2010 Program Organizing Committee

Seminars and Extramural Invited Presentations

Seminars

Extramural Invited Presentations

1985 Vermont Academy of Arts and Sciences Research Symposium, Poster
 Session
 1988-1990 Society for Neuroscience and Endocrine Society Annual Meetings Oral
 Session
 1990 Earl P Charlton Student Research Scientist Competition, Poster session
 1997-2001 Endocrine Society Annual Meeting Oral Session
 1997-1999 Gordon Research Conference: Hormone Action, Poster Session
 1999 International Molecular Steroidogenesis Meeting. Invited Speaker

2000 International Adrenal Cortex Meeting. Invited Speaker

2001 Endocrine Society Annual Meeting, Student Day Keynote Speaker

2001 Diabetes Forum, University of Guam; Keynote Speaker

2001 Medical Grand Rounds, Guam Memorial Hospital (Steroid Abuse)

2002 International Adrenal Cortex Meeting. Invited Speaker

2002 Annual German Endocrinology Meeting, Invited Symposium Speaker

2002 Endocrine Society Annual Meeting, Meet-the-Professor, Invited Speaker (Adrenal Insufficiency)

2003 Laboratory of Reproductive and Developmental Toxicology NIH NIEHS Research Conference, Invited Speaker

2004 Endocrinology Seminar Series, University of Dusseldorf, Germany (Mouse Models of Adrenal Disease) (Host: Stefan Bornstein)

2004 Endocrine Society Annual Meeting, Adrenal Development Symposium, Invited Speaker

2004 International Adrenal Cortex Meeting. Invited Speaker

2004 Cancer Center Seminar Series, Northwestern University, Invited Speaker (Adrenal Inhibin) (Host: Teresa Woodruff)

2005 Endocrinology Seminar Series, Harvard University -Brigham and Women's Hospital (Adrenal Inhibin) (Host: Ursula Kaiser and Reed Larson)

2005 Biomedical Research Seminar series, Mercer University School of Medicine (Adrenal Stem Cells) (Host: James L. Thomas)

2005 Endocrinology Grand Rounds, Vanderbilt University (Adrenal Inhibin)

2005 Endocrine Society Clinical Endocrinology Update, Invited Speaker: Lecturer (Adrenal Masses); Meet-the-Professor (ACTH-independent Cushing's Syndrome)

2005 Endocrinology Grand Rounds, University of Texas-Southwestern University (Adrenal Inhibin)

2005 American Cancer Society Professors Meeting: Invited Presenter (TGF signaling in the Adrenal Cortex)

2006 International Adrenal Cortex Meeting. Invited Speaker

2006 American Cancer Society Relay for Life Kickoff. Invited Speaker

2006 University of Michigan Difference Campaign. Invited Speaker

2006 ATCA Adrenocortical Carcinoma Conference, Phoenix, AZ

2006 International Adrenocortical Carcinoma Trial Conference, Mainz, Germany

2007 Cell & Molecular Biology Seminar Series, Penn State University (Adrenocortical Stem Cells)

2007 Endocrinology Research Seminar Series, Ohio State University (Adrenocortical Stem Cells)

2007 Endocrinology Clinical Seminar Series, Ohio State University (Adrenal Diseases)

2007 Michigan State Medical Society Annual Meeting: Keynote Speaker (Cancer Stem Cells)

2007 Seminar Series, Kansas University Medical Center (Adrenocortical Stem Cells)

2007 Endocrinology Grand Rounds, University of California-San Francisco (Adrenocortical Stem Cells)

2007 Endocrinology Research Seminar Series, Kansas University Medical Center (Adrenocortical Stem Cells)

2007 Seminar Series, University of Bergen Norway (Adrenocortical Stem Cells)

2007 Guest Speaker, The Group Room Talk Radio 154 - Adrenal Cancer

- 2007 Research Seminar, Emory-Georgia Tech Nanotechnology Center for Personalized and Predictive Oncology (Adrenal Cancer Stem Cells)
- 2008 Keystone Meeting (WNT Signaling in Development and Disease), Invited Speaker (Wnt Signaling in Adrenocortical Stem Cells and Cancer)
- 2008 1st Conference on Stem Cell Biology & Therapy -Rochester, MI (Adrenal Stem Cells)
- 2008 11th International Workshop on Multiple Endocrine Neoplasia - Delphi Greece (Adrenal Stem cells)
- 2008 XIII International Congress of Endocrinology - Rio de Janeiro, Brazil (Adrenal Stem cells)
- 2008 2nd Annual International Adrenal Cancer Symposium (University of Michigan) (Wnt Signaling in Adrenal Cancer)
- 2008 International Adrenal Cortex Meeting. Invited Speaker
- 2008 Research Seminar Series, University of Pittsburg (Adrenocortical Stem Cells)
- 2008 American Cancer Society Relay for Life. Invited Speaker
- 2009 52nd Journées Internationales d'Endocrinologie H P Klotz: Paris. Invited Speaker
- 2009 British Endocrine Society Annual Meeting: Harrogate. Invited Speaker
- 2009 University of Colorado Endocrinology Annual Meeting. Invited Speaker (2) Seminars
- 2009 Research Seminar Series, University of Wisconsin (Adrenocortical Stem Cells)
- 2009 Research Seminar Series, MD Anderson Endocrinology Grand Rounds (Adrenocortical Stem Cells)
- 2009 University of Chicago: 14th Annual Phase II Symposium: IGFR Targeting in Cancer
- 2009 Michigan Oncology Nurses Association (Adrenal Cancer)
- 2009 CARES Foundation: Advances in Congenital Adrenal Hyperplasia and Adrenal Disorders (Adrenal Cancer)
- 2009 Research Seminar Series, University of Padova, Italy (Adrenocortical Stem Cells)
- 2009 Research Seminar Series, University of Padova, Italy (Adrenocortical Carcinoma)
- 2009 Research Seminar Series, University of Padova, Italy (Clinical Case Report)
- 2009 XXIII SLAOP Meeting & IV International Symposium on Adrenocortical Tumors - São Paulo, Brazil (Wnt Signaling in Adrenal Development and Cancer)
- 2009 Research Conference, University of Sao Paolo (Department of Endocrinology), Sao Paolo, Brazil (Adrenal Stem Cells and Cancer)
- 2009 Guest Speaker, The Group Room Talk Radio 154 - Adrenal Cancer
- 2009 Guest Speaker, University of Turku, Finland (Adrenocortical Stem Cells and Cancer)
- 2009 Obesity Alliance Weekly Seminar, University of Texas-Southwestern University (Adrenal Cancer and Stem Cells)
- 2009 International Symposium of Adrenal Tumors and Meeting of the Italian Study Group for Adrenal Tumors – Padova Italy (Adrenocortical Stem Cells and Cancer)
- 2009 Research Seminar Series, Brown University Endocrinology Grand Rounds (Adrenocortical Stem Cells)

- 2009 Research Seminar Series, Penn State Cancer Center (Adrenocortical Stem Cells)
- 2009 NCI Conference on Rare and Deadly Cancers (Adrenal Cancer and the Kennedy-Hutchison Cancer Bill)
- 2010 Keystone Meeting (Nuclear Receptors), Invited Speaker (SF1/Dax1 in Adrenocortical Stem Cells)
- 2010 International Pediatric Adrenal Disease Symposium – Torino Italy (Adrenal Development)
- 2010 XIV International Endocrine Congress - Kyoto Japan (Wnt Signaling in Adrenal Disease)
- 2010 XIV International Endocrine Congress - Steroidogenesis Satellite Meeting - Kyoto Japan (Adrenal Stem Cells)
- 2010 Van Andel Research Institute Han Mo Koo Memorial Seminar Series (Adrenal Cancer)
- 2010 Guest Speaker, OSI Pharmaceutical - Adrenal Cancer
- 2010 Guest Speaker, First Annual UCLA “State-of-the-Art Management of Pituitary and Neuroendocrine Disorders” Multidisciplinary Conference (Adrenal Cancer)
- 2010 Bregenz Summer School on Endocrinology, Bregenz, Austria - Invited Speaker - Adrenal development
- 2010 Society for the Study of Reproduction Annual Meeting - Invited Speaker - Adrenal development
- 2010 World Stem Cell Summit - Invited Speaker - Adrenal Stem Cells and Cancer
- 2010 Research Conference, University of Sao Paulo (Department of Endocrinology), Sao Paulo, Brazil (Adrenal Development, Stem Cells and Signaling)
- 2010 Clinical Conference, University of Sao Paulo (Department of Anatomy), Sao Paulo, Brazil (Adrenal Development, Stem Cells and Cancer)
- 2010 International Adrenal Cortex Meeting. Invited Speaker
- 2011 3rd International Adrenal Cancer Symposium: From Molecular Pathogenesis to Clinical Outcome – Wurzburg Germany –Invited Speaker
- 2011 Endocrinology Grand Rounds, University of Utah – Invited Speaker (Adrenal Cancer)
- 2011 Endocrine Society Annual Meeting, Programming and Plasticity in the Adrenal Symposium, Invited Speaker
- 2011 Clinical Conference, University of Sao Paulo (Department of Anatomy), Sao Paulo, Brazil (Adrenal Development, Stem Cells and Cancer)
- 2011 Hong Kong University – Cancer Center, Departments of Endocrinology and Anatomy – Invited Speaker (3 seminars - Adrenal Development, Stem Cells and Cancer)
- 2011 French Endocrine Society (SFE) - Adrenal Development and Stem Cells: Implications for Tumorigenesis
- 2011 Canadian Endocrine Society – Targeting Adrenal Cancer, Invited Speaker
- 2011 Endocrine Society Annual Meeting: Trainee Day Keynote Speaker (Translating Adrenal Stem Cells)
- 2011 Stem Cell Michigan: (Translating Adrenal Stem Cells)
- 2012 American Society of Pediatric Hematology and Oncology (ASPHO) (Adrenal Cancer)
- 2012 International Adrenal Cortex Meeting. Invited Speaker
- 2012 Endocrine Society Annual Meeting: Career Day Speaker

- 2012 2nd Midwest Conference on Stem Cell Biology and Therapy (Oakland University, Beaumont Health System and OUWB Institute for Stem Cell and Regenerative Medicine): Adrenal Stem Cells; Plenary Speaker
- 2012 Endocrine Society: Endocrine Essentials Pro (Adrenal Insufficiency in Hospitalized Patients) - Invited Speaker
- 2013 Brigham and Women's Hospital/Dana Farber Cancer Center - Endocrinology Grand Rounds
- 2013 King Edward Memorial Hospital, Mumbai, India - Adrenal Cancer Molecular Genetics and Pathogenesis: My Understanding
- 2013 King Edward Memorial Hospital, Mumbai, India - Adrenal Cancer Current Therapeutics: Is There a Ray of Hope?
- 2013 King Edward Memorial Hospital, Mumbai, India - Organogenesis of Adrenal Gland: Current Concepts
- 2013 King Edward Memorial Hospital, Mumbai, India - Adrenal Tumors: Optimizing Management and Therapeutic Challenges in ACC Management
- 2013 Global Hospital, Mumbai, India - Adrenal Tumors: Tip of the Iceberg
- 2013 Ohio State Center for Regenerative Medicine and Cell-Based Therapies – Plenary Speaker International Symposium
- 2013 European Pediatric Endocrine Society
- 2013 University of Rochester School of Medicine - Endocrinology Grand Rounds
- 2013 Georgetown University - Endocrinology Grand Rounds
- 2013 Italian Endocrine Society, Padua Italy - Plenary Lecture
- 2013 European Symposium on Hormones and Cell Regulation, Mont Ste Odile, France - Invited Speaker
- 2013 Endocrine Society Annual Meeting (Translating Adrenal Stem Cells) - Plenary Award Lecture
- 2013 Endocrine Society Annual Meeting: Early Career Day (Bench to Bedside and Back Again) - Plenary Speaker
- 2013 4th International Adrenal Cancer Symposium - Paris France, Invited Speaker
- 2013 International Aldosterone Meeting (Adrenal Cancer) - Keynote Speaker
- 2013 Centre for Cardiovascular Science in Edinburgh, UK - Translating Adrenal Stem Cells
- 2013 Vanderbilt University - David Rabin Lecturer - Translating Adrenal Stem Cells
- 2014 Ohio State University Endocrine Grand Rounds - Adrenal Cancer
- 2014 Ohio State University Medicine Grand Rounds: Kroc Lecture - Translating Adrenal Stem Cells
- 2014 Memorial Sloan Kettering Medical Center/ Weill Cornell College of Medicine Endocrine Grand Rounds - Current Therapies for Adrenal Cancer
- 2014 NIH Endocrine Grand Rounds - Translating Adrenal Stem Cells
- 2014 NICHD Reproductive and Adult Endocrinology Research Conference
- 2014 EndoBridge (Endocrine Society, European, Endocrine Society, Turkish Society of Metabolism and Endocrinology) Turkey - Invited Speaker
- 2014 University of Sydney Endocrine Surgery Unit & Kolling Institute of Medical Research - Adrenal Stem Cells and Cancer - Invited Speaker
- 2014 Annual New England Endocrine Tumor Symposium - Keynote Speaker
- 2015 Section of Endocrine Surgery Royal Australian College of Surgeons - Distinguished Visitor:

Adrenal Tumor Case Discussions

Translating adrenal stem cells: Order out of chaos and chaos out of order

- 2015 American Association of Endocrine Surgeons - Keynote Speaker
- 2015 Translational Workshop - Endocrine Society - Keynote Speaker
- 2015 Università degli Studi di Brescia - Invited Speaker
- 2015 University of Munich - ACC bench to bedside - Invited Speaker
- 2015 King Edward Memorial Hospital 90th Anniversary, Mumbai, India - Adrenal Cancer Molecular Genetics - Invited Speaker
- 2015 Adrenal Cancer Current Therapeutics - Invited Speaker
- 2015 5th International Adrenal Cancer Symposium - Ann Arbor Michigan, Invited Speaker

Upcoming

- 2016 Seventh Annual Endocrine Summit in Mumbai, India - Invited Speaker
- 2016 International Congress of Endocrinology (Beijing) - Symposium Speaker (Adrenal Cancer)
- 2016 Perinatal Research Society - Invited Speaker (Adrenal Stem cells)
- 2016 Endocrine Society Annual Meeting: Early Career Forum: (How did I get Here?: A personal journey) - Invited Speaker
- 2016 American Association of Clinical Endocrinology (Michigan Chapter) Annual Meeting - Adrenal Cancer Current Therapeutics - Invited Speaker
- 2016 Mary Hitchcock Hospital Dartmouth College, Section of Endocrine Surgery – Translating Adrenal Stem Cells: Implication for Therapy Invited Speaker
- 2016 European Endocrine Society: Adrenal Cancer Genomics - Invited Speaker

Other Extramural Teaching Events

- 2000 Invited Visiting Instructor, Endocrine Society Short-Course Lecture Series (Texas A&M, Corpus Christi; 10 hr.)
- 2001 Invited Visiting Instructor, Endocrine Society Short-Course Lecture Series (University of Guam; 10 hr)
Biology Seminar: Molecular Endocrinology Overview
Biology Seminar: Genetics of Sex Determination
Graduate Seminar in Current Topics in Cell Biology: Steroid Abuse
- 2013 Inaugural Invited Visiting Professor, Endocrine Society Ambassador Program (King Edward Memorial Hospital, Mumbai, India; 2 weeks)

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Peer-Reviewed Publications

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13. Keegan CE and Hammer GD. Recent insights into Organogenesis of the adrenal cortex. (Invited, peer-reviewed) *Trends in Endocrinology and Metabolism* 13 (5): 200-208 (2002).
14. Kennell JA, OLeary EE, Gummow BM, Hammer GD and MacDougald OA. 2003. TCF-4N, a novel isoform of mouse TCF-4, synergizes with β -catenin to coactivate C/EBP β and SF-1 transcription factors. *Molecular and Cellular Biology* 23 (15): 5366-75 (2003).

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Peer Reviewed Articles Submitted for Publication

1. Nanba K, Chen AX, Omata K, Vinco MS, Giordano TJ, Else T, Hammer GD, Tomlins SA and Rainey WE. Molecular Heterogeneity in Aldosterone-Producing Adenomas. (Submitted).

Non-Peer-Reviewed Publications

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Pathophysiology of disease: An introduction to clinical medicine (Sixth Edition). (Eds. McPhee SJ and Hammer GD) LANGE 2010.

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Genetic steroid disorders (Eds. New ML, Lekarev O, Parsa O, Yuen, TT, O'Malley B, and Hammer GD) ELSEVIER 2013.

Pathophysiology of disease: An introduction to clinical medicine (Seventh Edition). (Eds. Hammer GD and McPhee SJ) LANGE 2014.

Journal Guest Editorships

1. Molecular and Cellular Endocrinology. Adrenocortical carcinoma (Eds. Hammer GD, Fassnacht M and Lalli E.) Elsevier 2012.
2. Hormones and Cancer. Adrenocortical carcinoma (Eds. Hammer GD, Fassnacht M and Lalli E.) Springer and The Endocrine Society 2012.

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4. Else T, and Hammer GD. Adrenocortical Function, factors controlling development thereof in Encyclopedia of Stress 2nd Edition, (Ed. Fink, G, Elsevier Inc.).

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