

Curriculum vitae

SEAN J. MORRISON, PHD

Current Appointments

Investigator, Howard Hughes Medical Institute
Director, Children's Medical Center Research Institute at UT Southwestern
Mary McDermott Cook Chair in Pediatric Genetics
Kathryne and Gene Bishop Distinguished Chair in Pediatric Research
Professor, Department of Pediatrics
University of Texas Southwestern Medical Center

Children's Medical Center Research Institute
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Research Statement

We study the intrinsic and extrinsic mechanisms that regulate stem cell self-renewal (particularly in the hematopoietic system) and the role these mechanisms play in cancer (particularly leukemia and melanoma). Self-renewal is the process by which stem cells divide to make more stem cells, perpetuating stem cells throughout life to regenerate tissues. We discovered a series of key regulators that distinguish stem cell self-renewal from the proliferation of restricted progenitors in the same tissues. We also identified ways in which self-renewal mechanisms change with age, conferring temporal changes in stem cell properties that match the changing growth and regeneration demands of tissues. This may explain why the mechanisms that are competent to cause cancer also change with age. In terms of cell-extrinsic mechanisms, we identified the location and cellular composition of hematopoietic stem cell (HSC) niches in adult bone marrow and spleen, and identified the Leptin Receptor⁺ perivascular stromal cells that are the major source of factors required for HSC maintenance in the bone marrow. The LepR⁺ cells also include the skeletal stem cells that are the major source of osteoblasts and adipocytes in adult bone marrow. We have shown that HSCs are metabolically distinct from restricted progenitors in vivo and depend upon metabolic regulation for epigenetic control and leukemia suppression. In terms of our work on cancer, we discovered that the survival of some cancer cells during metastasis is limited by oxidative stress, which kills cancer cells by inducing ferroptosis, a form of cell death marked by lipid oxidation. Successfully metastasizing melanoma cells undergo reversible metabolic changes to cope with this oxidative stress and often metastasize through lymphatics because lymph confers ferroptosis resistance. We are exploring the ability of pro-oxidant therapies to exacerbate oxidative stress in cancer cells and inhibit cancer progression.

Education and Training

1986 – 1991	BSc with Honors in Biology and Chemistry, Dalhousie University (Halifax, Canada)
1991 – 1996	PhD in Immunology, Stanford University (Stanford, CA), Advisor, Dr. Irving L. Weissman

1996 – 1999 Postdoctoral Scholar, California Inst. of Technology (Pasadena, CA), Advisor, Dr. David J. Anderson

Professional Experience

1987 – 1990 President, Endogro Systems Inc., a company that developed technology for the agricultural use of plant growth-promoting fungi

1999 – 2004 Assistant Professor, Departments of Internal Medicine (Division of Molecular Medicine and Genetics) and Cell and Developmental Biology, University of Michigan.

2000 – present Investigator, Howard Hughes Medical Institute

2004 – 2008 Associate Professor, Departments of Internal Medicine (Division of Molecular Medicine and Genetics) and Cell and Developmental Biology; Research Associate Professor, Life Sciences Institute, University of Michigan.

2005 – 2011 Director, University of Michigan Center for Stem Cell Biology and Henry Sewall Professor in Medicine, University of Michigan

2008 – 2011 Professor, Departments of Internal Medicine (Division of Molecular Medicine and Genetics) and Cell and Developmental Biology; Research Professor, Life Sciences Institute, University of Michigan.

2011 – present Director, Children's Research Institute; Professor, Department of Pediatrics; Mary McDermott Cook Chair in Pediatric Genetics, Kathryne and Gene Bishop Distinguished Chair in Pediatric Research; UT Southwestern Medical Center

Honors and Awards

1986 Young Canadians Award for Excellence in Science

1986 Waverly Award (for the top student in freshman calculus), Dalhousie University

1987 Dalhousie University McKenzie Trust Scholarship

1988 Dalhousie University Ross S. Smith and Alan Pollok Scholarships

1990 Dalhousie University Ross S. Smith Scholarship

1991 Natural Sciences and Engineering Research Council of Canada Research Award

1991 Dalhousie University Medal in Biology

1991 United Kingdom Commonwealth Scholarship, Oxford University (declined)

1991 Natural Sciences and Engineering Research Council 1967 Scholarship (declined)

1991 – 1996 Howard Hughes Medical Institute Predoctoral Fellowship

1996 Guenther Foundation Postdoctoral Fellowship

1996 – 1998 Natural Sciences and Engineering Research Council Postdoctoral Fellowship

1997 – 1999 American Cancer Society, California Division Junior Postdoctoral Fellowship

1999 American Cancer Society, California Division Senior Postdoctoral Fellowship

2000 – 2003 Searle Scholar

2000 Mental Illness Research Association Milestone Award

2002 Named to TR100 list: MIT Technology Review Magazine's list of 100 young innovators

2003	Wired Magazine Rave Award for Science
2003	Presidential Early Career Award for Scientists and Engineers, White House Office of Science and Technology Policy
2004	Dean's Award for Basic Science, University of Michigan Medical School
2006	Detroit News Michiganiaan of the Year
2007	Pfizer Young Michigan Biomedical Investigator of the Year Award
2007	McCulloch and Till Award, International Society for Hematology & Stem Cells
2008	American Association of Anatomists Harland Winfield Mossman Award
2009	MERIT Award, National Institute on Aging, National Institutes of Health
2015	Elected President, International Society for Stem Cell Research
2018	Elected member, National Academy of Medicine
2020	Elected member, National Academy of Sciences
2020	Excellence in Postdoctoral Mentoring Award, Postdoctoral Association at UTSW
2022	International Society for Stem Cell Research Public Service Award
2022	Univ. of Michigan Medical School Alumni Assoc. Distinguished Basic Science Award
2023	Elected Associate Member, European Molecular Biology Organization
2024	E. Donnall Thomas Lecture and Prize, The American Society of Hematology

Keynote and Named Lectures

2009	American Assoc. for Cancer Research Special Conference on Metabolism and Cancer
2009	Keystone Symposium, Stem Cell Niche Interactions
2010	American Association for Cancer Research Annual Meeting
2010	World Stem Cell Summit
2011	Keystone Meeting on Stem Cells, Cancer, and Metastasis
2012	Roy M. Huffington Distinguished Lecture, Baylor Medical School
2017	Columbia Cancer Center Annual Symposium
2017	Malkin-Kraft Lecture, Northwestern University Cancer Center
2018	American Assoc. for Cancer Research Special Conference on Metabolism and Cancer
2018	Lubomir S. Hnilica Lecture, Frontiers in Biochemistry, Vanderbilt University
2018	Stanford Maternal and Child Health Research Inst. Inaugural Research Symposium
2018	American Society of Cell Biology Annual Meeting
2019	Scientist in Residence, University of Duisburg-Essen (Germany)
2019	Emily Frederick DiMaggio Lecture, Dana-Farber Cancer Institute
2019	The Enrico Mihich Lecture, 31st Pezcoller Symposium
2020	Philip Levine Memorial Lecture, Rockefeller University
2021	Ray Wu Prize Award Ceremony, Tongji University

2021	Ernest McCulloch Memorial Lecture, Int. Society for Stem Cell Research Ann. Meeting
2021	Torsten N. Wiesel Lecture, Hospital for Special Surgery, New York
2022	Canadian Association of Oral & Maxillofacial Surgeons Annual Conference
2023	William J. Larsen Distinguished Lecture, University of Cincinnati College of Medicine
2023	The International Heidelberg symposium on Stem Cells and Cancer, Germany
2023	VIB conference on Tumor Heterogeneity, Plasticity and Therapy, Belgium
2023	Kendall-Hench Lecture, Mayo Clinic
2024	European Molecular Biology Laboratory Symposium on Metastasis, Heidelberg, Germany
2025	Boston Children's Hospital Stem Cell Program 20 th Anniversary Symposium, Boston, MA
2025	Presidential Symposium, International Society for Experimental Hematology 54 th Annual Scientific Meeting, Kumamoto, Japan
2025	French Hematology Society 31 st Annual Hematopoiesis and Oncogenesis Meeting, Marseille, France
2025	Stem Cell Cancer Center Retreat, Yale University, New Haven, Connecticut
2025	Statler Distinguished Lecture, MD Anderson Cancer Center

Editorial Boards

2003 – 2009	Stem Cells
2006 – 2015	Faculty of 1000, Section Head “Stem cells & Regeneration”
2006 – 2023	Cell Stem Cell
2010 – present	Journal of Experimental Medicine
2011 – present	EMBO Journal
2011 – 2017	Current Opinion in Cell Biology
2012 – 2020	Cancer Cell
2012 – 2019	eLife, Senior Editor
2012 – present	EMBO Reports
2012 – present	Stem Cell Reports
2014 – 2023	Cancer Discovery

Scientific Advisory Boards

2007 - 2020	Scientific Advisory Board, UCLA Broad Stem Cell Research Center
2010 – 2011	External Advisory Committee, National Heart Lung and Blood Institute Progenitor Cell Biology Consortium
2011	National Academy of Sciences panel to consider whether there should be a new taxonomy for disease

2011 – present	Scientific Advisory Board, University of Washington Institute for Stem Cells and Regenerative Medicine
2011 – 2013	Morgridge Institute, University of Wisconsin
2012 – 2013	Common Fund External Consultant for the NIH Center for Regenerative Medicine
2013 – 2015	Scientific Advisory Board, California Institute for Regenerative Medicine
2014 – 2015	Chair, New York State Stem Cell Program (NYSTEM) External Review Panel
2017 – present	Selection Committee, Paul Marks Prize for Cancer Research, Memorial Sloan Kettering Cancer Center
2018 – 2025	FDA Cellular Tissue and Gene Therapies Advisory Committee
2019 – 2023	AACR Princess Takamatsu Memorial Lectureship Committee
2020	Stanford Institute of Stem Cell Biology and Regenerative Medicine
2020	Member, National Cancer Institute (NCI) Advisory Board Working Group that evaluated the NCI Small Business Innovation Research Program
2022 – present	Scientific Advisory Board, Columbia Stem Cell Initiative
2022 – present	Scientific Advisory Board, Sloan Kettering Institute, Memorial Sloan Kettering
2023 – present	External Advisory Board, Cedar-Sinai Guerin Children's (Los Angeles, CA)

Meeting Organizer

2006	American Society for Cell Biology Summer Meeting, Stem Cell Niches; Boston, MA
2008	Keystone Symposium, Tumor Suppressors and Stem Cell Biology, Vancouver
2009 – 2010	International Society for Stem Cell Research Annual Meeting, Chair, Program Committee, San Francisco, CA
2011	Abcam Symposium, Therapeutic Approaches to Neurodegeneration, Barbados
2013	Keystone Symposium, Stem Cell Regulation in Homeostasis and Disease, Banff, Canada
2018	American Society for Cell Biology Doorstep Meeting (associated with the Annual Meeting), San Diego, CA
2022	American Association for Cancer Research Special Conference on Cancer Metastasis, Portland, Oregon
2023	Keystone Symposium, Metastasis, Vancouver, Canada

Grant Reviewer

2004	National Institutes of Health: Neurogenesis and Cell Fate (NCF) Study Section
2006	California Institute for Regenerative Medicine ad hoc reviewer
2007 – 2011	Italian Association for Cancer Research (AIRC)
2008	National Institutes of Health: Hematopoiesis (HP) Study Section
2009	Damon Runyon Cancer Research Foundation Postdoctoral Fellowship Review Committee
2009 – 2011	Cancer Prevention and Research Institute of Texas, Basic Science Review Panel
2010	National Institutes of Health: Chair, Special Emphasis Panel ZAG1 ZIJ-2

2011 – 2013	Chair, Howard Hughes Medical Institute International Predoctoral Fellowship selection committee
2013	National Inst. of Health: Center for Regenerative Medicine Therapeutic Challenge Program
2015	California Institute for Regenerative Medicine: Center for Excellence in Stem Cell Genomics
2017	National Institutes of Health: Pro/Anti-Geronic Factor RFA Study Section
2017	National Inst. of Health: ZRG1 EMNR-P Nutrient and Lipid Regulation Study Section
2019	National Cancer Institute: Biological Comparisons in Patient-Derived Models of Cancer (U01) Study Section
2023	Selection committee, Freeman-Hrabowski Scholars, Howard Hughes Medical Institute

UT Southwestern Institutional Committees

2011 – present	Children’s Research Institute Faculty Search Committees
2015 – 2019	Dean’s Advisory Committee
2019	Search Committee for the Provost and Dean of the Medical School
2019 – present	Endowed Scholars Committee
2020 – 2021	Search Committee for the Chair of Cell Biology
2020	Chair, Basic Science Subcommittee, Six-year Strategic Plan
2020 – present	Institutional Awards Nomination Committee
2021 – 2022	Search Committee for the Chair of Pediatrics
2022 – 2023	Search Committee for the Chair of Dermatology
2025 – present	Search Committee for the Chair of Neuroscience
2026 – present	Search Committee for the Chair of Surgery
2026 – present	Search Committee for the Chief of Hematology/Oncology in the Department of Internal Medicine

Grant Support

Ongoing

001823 (PI, Morrison) 09/01/2000 – 01/31/2029
Howard Hughes Medical Institute
Funding is not associated with a specific project

U54CA268072 (Danuser) 09/24/2021 – 08/31/2027

NCI – National Cancer Institute

“Imaging mechanisms of metastatic tumor formation in situ”

The goal of this multi-PI project is to develop novel microscopes and assays that will allow us to image the earliest stages of metastasis, in patient-derived xenografts and in zebrafish embryos, to assess the mechanisms that determine the sites to which cancer cells are able to migrate and proliferate. The Morrison lab will collaborate with the other labs in this consortium to develop new microscopy methods for imaging metastasis in xenografted mice and test whether differences in lipid metabolism among melanomas from different patients cause differences in the sites to which melanomas metastasize.

RP240489 (PI, Morrison)

08/31/2024 – 08/30/2028

Cancer Prevention and Research Institute of Texas

“Neural regulation of childhood cancers”

This is a Multi-Investigator Research Award to the laboratories of Sean Morrison, Sam McBrayer, and Benjamin Levi to study mechanisms by which the nervous system regulates the growth, progression, and response to therapy of acute leukemias, gliomas, and osteosarcomas.

Recent

RP180778 (PI, Morrison)

08/31/2018 – 8/30/2022

Cancer Prevention and Research Institute of Texas

“Metabolic enablers of melanoma progression – MIRA”

This is a program project grant in which three laboratories (Morrison, DeBerardinis, and Mishra) will collaborate to study metabolic mechanisms that enable melanoma metastasis. The Morrison laboratory will study whether differences in oxidative stress, lactate metabolism, or mitochondrial function among melanomas from different patients confer intrinsic differences in metastatic potential.

R01 DK118745 (PI, Morrison)

04/01/2019 – 03/31/2024

NIH – National Institutes of Health

“The Metabolic Regulation of Hematopoietic Stem Cell Function”

To determine whether ascorbate (vitamin C) depletion, which is common among people in Western countries, promotes hematopoietic regeneration or clonal hematopoiesis and to identify the mechanisms by which ascorbate regulates hematopoiesis.

U01 CA228608 (PI, Morrison)

09/05/2019 – 09/04/2024

NCI – National Cancer Institute

“The Metabolic Regulation of Melanoma Metastasis”

The goal of this project is to compare patient-derived xenograft and patient-derived organoid assays to study the regulation of oxidative stress in melanoma cells.

Kleberg Foundation (Zon)

01/01/2021 – 12/31/2024

“New therapeutic strategies to modulate bone marrow inflammation in clonal hematopoiesis and leukemia”

The overall goal is to use genetics and chemical biology to study niche mechanisms that regulate inflammation in the context of clonal hematopoiesis and leukemia. The proposed studies will lead to a better understanding of the role of inflammation in leukemia development and could yield new therapeutic strategies to prevent leukemia by suppressing clonal dominance.

RP220492 (PI, Morrison)

03/01/2022 – 02/28/2025

Cancer Prevention and Research Institute of Texas

“Mechanisms of melanoma metastasis”

To determine whether metastasizing melanoma cells exhibit temporal changes in lipid metabolism, lipid ROS levels, or sensitivity to ferroptosis during disease progression.

Memberships in Professional Societies

1994 - present American Association for the Advancement of Science

1999 - present Society for Developmental Biology
 2001 - present Society for Neuroscience
 2002 - present International Society for Stem Cell Research
 2004 - present American Society for Cell Biology
 2007 - present International Society for Experimental Hematology
 2009 - present American Association for Cancer Research
 2014 - present American Association for Anatomy
 2018 - present New York Academy of Sciences
 2018 - present National Academy of Medicine
 2018 - present The Academy of Medicine, Engineering, and Science of Texas (TAMEST)
 2019 - present The American Society of Hematology
 2020 - 2025 American Aging Association
 2020 - present National Academy of Sciences
 2023 - present European Molecular Biology Organization (EMBO)
 2024 – present Metastasis Research Society

Offices in Professional Societies

American Society for Cell Biology

2004 – 2009 Public Policy Committee
 2004 – 2005 Program Committee

International Society for Stem Cell Research

2002 – 2006 Membership Committee
 2003 – 2006 Government Affairs Committee
 2004 – 2012 Board of Directors
 2006 – 2009 Treasurer, Member of the Executive Committee
 2007 – 2016 Finance Committee
 2010 – 2011 Chair, Program Committee for the Annual Meeting
 2010 – 2016 Co-chair, Legislative and Education Committee
 2013 – 2014 Vice-President
 2014 – 2015 President-elect
 2015 – 2016 President
 2016 – 2017 Past-President
 2017 – 2018 Board of Directors
 2016 – present Chair, Public Policy Committee

European Molecular Biology Organization

2024 – present Policy Advisory Board, European Molecular Biology Organization

National Academy of Sciences

2024 – present Chair, Section 41: Medical Genetics, Hematology and Oncology

2025 Member of 2026 Nominating Committee

Public Education/Policy Activities

May 16, 2005 Testimony before the Ad Hoc Congressional Hearing on Stem Cells, Chicago, IL

April 21, 2006 Testimony before the State of Michigan Health Policy Committee Hearing on Stem Cells, Lansing, MI

2006 – 2011 Director, Michigan Citizens for Stem Cell Research and Cures

2008 Spokesperson for Michigan Proposal 2, a successful statewide ballot proposal to protect and regulate embryonic stem cell research in the state constitution

Sept. 16, 2010 Testimony before U.S. Senate Subcommittee on Labor, Health and Human Services, Education and Related Agencies on “Human embryonic stem cell research”, Washington, D.C.

Teaching activities at UT Southwestern Medical Center

2012 02/17 Cancer Biology I: Hallmarks of Cancer “Cancer Stem Cells”
 04/18 Experimental Approaches to Complex Genetic Diseases “Stem cells”
 10/25 BSCI 5212-01 – Experimental Approaches to Complex Diseases “Stem cells”

2013 01/09 Responsible Conduct of Research
 02/11 Cancer Biology I “Cancer Stem Cells”
 04/10 Cancer Biology II “Advanced Concepts in Cancer Biology”

2014 02/07 Cancer Biology I Hallmarks of Cancer “Cancer Stem Cells”
 04/02 Advances in Stem Cell Biology “Hematopoietic Stem Cells”
 04/11 Cancer Biology II “Cancer Stem Cells: Impact, Heterogeneity, and Uncertainty”
 11/11 Experimental Approaches to Complex Genetic Diseases “Stem Cells”

2015 02/20 Cancer Biology I “Cancer Stem Cells”
 04/24 Cancer Biology II “Cancer Stem Cells: Impact, Heterogeneity, and Uncertainty”

2016 02/10 Cancer Biology I “Cancer Stem Cells”
 03/01 Developmental Principles in Regenerative Science and Medicine “Blood Regeneration”
 04/11 Cancer Biology II “Cancer Stem Cells: Impact, Heterogeneity, and Uncertainty”

2017 02/01 Responsible Conduct of Research “Notebooks and Record Keeping”
 02/08 Cancer Biology I “Cancer Stem Cells”
 02/28 Developmental Principles in Regenerative Science and Medicine “Blood Regeneration”
 03/17 Cancer Biology II “Cancer Stem Cells: Impact, Heterogeneity, and Uncertainty”
 10/04 K12 Pediatric Scholars’ Training Grant Career Development Session Lecture
 10/18 Responsible Conduct of Research “Rigor & Reproducibility”

2018 02/09 Cancer Biology I “Cancer Stem Cells”

	03/22	<u>Developmental Principles in Regenerative Science and Medicine</u> “Blood Regeneration”
	04/27	<u>Cancer Biology II</u> “Cancer Stem Cells: Impact, Heterogeneity, and Uncertainty”
	11/14	<u>Responsible Conduct of Research</u> “Rigor & Reproducibility”
2019	02/08	<u>Cancer Biology I</u> “Cancer Stem Cells”
	03/14	<u>Developmental Principles in Regenerative Science and Medicine</u> “Blood Regeneration”
	08/13	<u>Medical Scientist Training Program Works in Progress Seminar</u>
	12/19	<u>Responsible Conduct of Research</u> “Rigor & Reproducibility”
2020	01/29	<u>Cancer Biology I</u> “Cancer Stem Cells”
	03/12	<u>Developmental Principles in Regenerative Science and Medicine</u> “Blood Regeneration”
	11/18	<u>Responsible Conduct of Research</u> “Rigor & Reproducibility”
2021	02/03	<u>Cancer Biology I</u> “Hallmarks of Cancer and Cancer Stem Cells”
	03/16	<u>Developmental Principles in Regenerative Science and Medicine</u> “Blood Regeneration”
	11/10	<u>Responsible Conduct of Research</u> “Rigor & Reproducibility”
2022	02/04	<u>Cancer Biology I</u> “Hallmarks of Cancer and Cancer Stem Cells”
	03/22	<u>Developmental Principles in Regenerative Science and Medicine</u> “Blood Regeneration”
	03/25	<u>Seminar for UTSW graduate school candidates</u> “Stem Cells and Cancer”
	07/06	<u>STARS Summer Seminar Series</u> “Stem Cells and Cancer”
	07/12	<u>SURF/AMGEN Scientific Seminar Series</u> “Stem Cells and Cancer”
2023	01/12	<u>Responsible Conduct of Research</u>
	07/20	<u>Medical Scientist Training Program Summer Science Seminar</u> “Stem Cells & Cancer”
	08/08	<u>SURF/AMGEN Scientific Seminar Series</u> “The hematopoietic stem cell niche”
2024	02/05	<u>Cancer Biology I</u> “Cancer Stem Cells”
	02/07	<u>Responsible Conduct of Research</u> “Human Research”
	03/28	<u>Developmental Principles in Regenerative Science and Medicine</u> “Hematopoietic regeneration”
2025	02/03	<u>Cancer Biology I</u> “Cancer Stem Cells”
	04/10	<u>Developmental Principles in Regenerative Science and Medicine</u> “Hematopoietic regeneration”
	11/05	<u>Responsible Conduct of Research</u> “Mentor/Mentee Relationships”
2026	02/09	<u>Cancer Biology I</u> “Cancer Stem Cells”
	09/10	<u>Molecular Metabolism and Metabolic Diseases (3MD) – Metabolism Masterclass</u> “Metastasis”

Intramural Seminars at UT Southwestern Medical Center

2011	09/17	<u>Medical Scientist Training Program</u> “Stem cells and cancer”
	10/25	<u>Graduate Student Organization</u> “Stem cells and cancer”
2012	01/31	<u>Cell Biology Department</u> “The hematopoietic stem cell niche”

- 02/29 Development Biology Department "The regulation of stem cell self-renewal"
- 05/09 University Lecture Series "The regulation of stem cell self-renewal"
- 09/07 Cancer Center Grand Rounds "The regulation of melanoma metastasis"
- 2013 01/07 Department of Physiology "Regulation of Stem Cell Self-Renewal"
- 04/09 President's Research Council "Hijacked: How cancer cells commandeer stem cell mechanisms to fuel tumor growth"
- 2014 02/20 President's Lecture "Understanding cancer through the lens of stem cell biology"
- 03/01 Big Ideas Lecture to incoming medical students "A failure to create policy based on facts is eroding science, health care, and American competitiveness"
- 05/08 O'Brien Kidney Center Symposium "The regulation of stem cell self-renewal"
- 10/11 Department of Pediatrics "Melanoma metastasis and therapy"
- 2015 04/22 Comprehensive Cancer Center "Treating cancer more effectively"
- 12/14 Angiogenesis seminar series "Bidirectional regulation between hematopoietic stem cells and their niche"
- 2016 04/13 Science Policy, Ethics and Communication Club seminar series "The intersection of science and public policy"
- 12/16 Mineral Metabolism Lecture "The maintenance of the adult skeleton"
- 2017 02/03 Endocrine Grand Rounds Series "The maintenance of the adult skeleton"
- 2018 01/04 Dermatology Grand Rounds "Melanoma metastasis"
- 01/10 Surgery Grand Rounds "Metabolic mechanisms of cancer initiation and progression"
- 11/19 Simmons Comprehensive Cancer Center Distinguished Lecture Series "Metabolic mechanisms of cancer initiation and progression"
- 03/01 Mineral Metabolism Research Conference "New mechanisms that regulate the maintenance of the adult skeleton" 2019
- 08/16 Development and Cancer Program Retreat "Melanoma metastasis"
- 11/04 Angiogenesis Seminar Series "Melanoma metastasis through lymphatics"
- 11/22 Texas Scottish Rite Hospital/UT Southwestern/Children's Medical Center Clinical Research Day "Skeletal stem cells and bone formation"
- 2020 08/12 Obstetrics and Gynecology Grand Rounds "How the niche regulates blood and bone-forming stem cells in the marrow"
- 2022 04/21 The Center for Regenerative Science and Medicine "Hematopoietic stem cell niche"
- 04/22 Pak Symposium on Mineral Metabolism "The formation of bone during adulthood"
- 2024 03/01 Center for Organogenesis, Regeneration and Trauma Retreat "Neural regulation of bone marrow regeneration"
- 06/17 Medical Scientist Training Program "The hematopoietic stem cell niche: Implications for bone marrow transplantation and regeneration"
- 11/20 Simmons Comprehensive Cancer Center Cellular Networks in Cancer Program "Oxidative Stress and Ferroptosis Limit Survival During Metastasis"

2025 12/02 Simmons Comprehensive Cancer Center Research Retreat “The Regulation of Melanoma Metastasis”

Mentoring Graduate Students

2000 - 2004	Genevieve Crane, UM Medical Scientist Training Program Current position: Hematopathologist, Cleveland Clinic - Pathology and Laboratory Medicine Institute
2001 – 2006	Nancy Joseph, UM Medical Scientist Training Program Current position: Associate Professor of Pathology & Associate Director of Clinical Cancer Genomics Laboratory, UC San Francisco
2001 – 2005	Anna Molofsky, UM Medical Scientist Training Program Current position: Associate Professor of Psychiatry, UC San Francisco
2001 – 2006	Omer Yilmaz, UM Medical Scientist Training Program Current position: Associate Professor, Koch Institute, MIT
2002 – 2008	Mark Kiel, UM Medical Scientist Training Program Current position: Chief Scientific Officer at Genomenon
2004 – 2013	Shenghui He, UM Cellular and Molecular Biology Program Current position: Science and Technology Program Manager, Beijing Municipal Science & Technology Commission
2004 – 2005	Alana Lysholm, UM Neuroscience Program (left for health reasons) Current position: Deceased
2006 – 2010	Jae Lee, UM Medical Scientist Training Program Current position: Radiation Oncologist, Princeton Radiation Oncology, NJ
2010 – 2015	James Peyer, UTSW Genetics and Development Graduate Program Current position: Co-Founder and CEO, Cambrian BioPharma
2010 – 2015	Christopher Inra, UTSW Medical Scientist Training Program Current position: Assistant Professor, Medicine, Johns Hopkins University
2014 – 2021	Le Qi, UTSW Cancer Biology Current position: Postdoctoral Fellow, Dan Geschwind lab, UCLA
2014 – 2019	Stacy Yuan, UTSW Medical Scientist Training Program Current position: Dermatology Residency at UT Southwestern
2019 – 2024	Julia Phan, UTSW Medical Scientist Training Program Current position: Internal Medicine Physician Scientist Training Program – Hematology/Oncology at Yale University
2021 – 2026	Mark Mannino, UTSW Medical Scientist Training Program Current position: Medical School at UT Southwestern
2021 – present	Animesh Paul, UTSW Genetics and Development Graduate Program
2024 – present	Xiyue (Shirley) Wang, UTSW Cancer Biology Graduate Program

Mentoring Postdoctoral Fellows

2000 – 2005	Toshihide Iwashita Current Position: Professor, Hamamatsu University School of Medicine, Japan
2001 – 2004	Ricardo Pardal

	Current Position: Professor, University of Seville, Spain
2001 – 2006	Jack Mosher Current Position: Scientific Affairs Manager, Int. Society for Stem Cell Research
2001 – 2007	Merritt Taylor Current Position: Associate Professor, Grand Valley State University
2002 – 2008	Injune Kim Current Position: Associate Professor, Korea Advanced Institute of Science and Technology
2004 – 2011	Johanna Buchstaller Current Position: Data Scientist, Vienna University of Technology, Austria
2005 – 2011	Elsa Quintana Rodriguez Current Position: Director, Revolution Medicines
2005 – 2007	Shalom Guy Slutsky Current Position: Clinical Trial Manager, Kadimastem Ltd
2005 – 2011	Jinsuke Nishino Current Position: Research Assistant Professor, UT Southwestern
2006 – 2008	Mick Savona Current Position: Professor of Medicine, Director of Hematology Early Therapeutics Program, Vanderbilt University, Nashville
2005 – 2011	Sergei Chuikov Current Position: Unknown
2006 – 2011	Daisuke Nakada Current Position: Associate Professor, Department of Molecular and Human Genetics, Baylor College of Medicine
2006 – 2009	Mark Shackleton Current position: Director of Oncology, Alfred Health and Professor of Oncology, Monash University (Melbourne, Australia)
2006 – 2011	Boaz Levi Current Position: Associate Investigator, Allen Institute for Brain Research, Seattle
2007 – 2013	Lei Ding Current Position: Associate Professor, Department of Regeneration and Rehabilitative Medicine, Columbia University
2007 – 2008	Michel Perron Current Position: Senior Research Scientist, Gilead
2008 – 2015	Melih Acar Current position: Translational Medicine Lead, AstraZeneca
2008 – 2013	Jeff Magee Current position: Associate Professor of Pediatrics, Washington University
2009 – 2011	Qing Li Current position: Associate Professor of Internal Medicine, Univ. of Michigan
2009 – 2017	Hideyuki Oguro Current position: Assistant Professor, Cell Biology, University of Connecticut Health Center
2009 – 2015	Robert Signer Current position: Associate Professor, University of California at San Diego
2010 – 2015	John Mich Current position: Senior Scientist, Allen Institute for Brain Research

2011 – 2017	Michalis Agathocleous Current position: Assistant Professor in Children's Research Institute at UT Southwestern Medical Center
2011 – 2015	Issei Shimada Current position: Junior Associate Professor, Department of Cell Biology, Graduate School of Medicine Sciences, Nagoya City University in Japan
2011 – 2016	Ugur Eskiocak Current position: Senior Director, Translational Sciences, Janux Therapeutics
2011 – 2017	Elena Piskounova Current Position: Assistant Professor, Beth Israel Deaconess Medical Center
2011 – 2017	Rui Yue Current position: Professor, Tongji University, Shanghai, China
2011 – 2016	Bo Zhou Current position: Professor, Shanghai Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences
2013 – 2022	Corbin Meacham Current Position: Senior Scientist, Garuda Therapeutics
2012 – 2019	Malea Murphy Current position: Manager Integrated Microscopy & Imaging Laboratory Medical Physiology, Texas A&M University College of Medicine
2013 – 2023	Rebecca Burgess Current position: Assistant Professor, Southern Illinois University
2014 – 2024	Salma Merchant Current Position: Senior Scientist, Alnylam Pharmaceuticals (Cambridge, MA)
2015 – 2024	Stefano Comazzetto Current Position: Chancellor's Fellow and Group Leader, Centre for Regenerative Medicine, The University of Edinburgh, Scotland
2015 – 2020	Jennifer Gill Current position: Assistant Professor, Dermatology, UT Southwestern
2015 – present	Elise Jeffery
2015 – 2024	Andrew DeVilbiss Current position: Instructor, Department of Internal Medicine, UT Southwestern
2015 – 2021	Bo Shen Current position: Assistant Investigator, National Institute of Biological Sciences, Beijing, China
2016 – 2018	Kati Ahlqvist Current position: Clinical microbiologist, University of Helsinki
2016 – 2021	Alpaslan Tasdogan Current Position: Associate Professor, Department of Dermatology, University of Essen-Duisburg and German Cancer Consortium, Essen, Germany
2017 – 2022	Shay Guela Current position: Head of Biology, Renewal Bio (Israel)
2018 – 2020	Jessalyn Ubellacker Current position: Assistant Professor, Molecular Metabolism, Harvard School of Public Health
2018 – 2024	Michael Zhang

Current position: Assistant Professor, Department of Cell Biology & Medical Genetics,
School of Basic Medical Sciences, Shenzhen University Health Science Center

2018 – 2022 Nergis Kara-Takar
Current position: Senior Scientist, Ensoma (Cambridge, MA)

2019 – present Yuanyuan Xue

2020 – 2024 Liming Du
Current position: Assistant Professor, Shandong Provincial Key Laboratory of Animal
Cell and Developmental Biology, Shandong University

2021 – present Tao Wei

2022 – present Devon Moose

2022 – 2026 Jasmine Shirazi
Current position: Regulatory Analyst, Office of Human Research Protection, UT
Southwestern

2022 – present Furkan Alkan

2022 – present Torikul Islam

2023 – present Shoichiro Tani

2023 – present Reshma Veettil

2025 – present Nisi Jiang

2025 – present Xiaosheng Liu

2025 – present Manojit Mosur Swamynathan

2025 – present Samvid Kurlekar

2026 – present Liangjun Hu

Graduate Student Rotations

Summer, 2000 Dale Bixby, Medical Student, Summer Research, UM

Summer, 2000 Brett Mobley, Medical Student, Summer Research, UM

Summer, 2000 Genevieve Crane, Medical Scientist Training Program, UM

Summer, 2000 JennYah Yu, Neuroscience Program, UM

Spring, 2001 Kwan-Ho Chung, Neuroscience Program, UM

Spring, 2001 Nancy Joseph, Medical Scientist Training Program, UM

Summer, 2001 Anna Rotberg, Medical Scientist Training Program, UM

Summer, 2001 Chandan Reddy, Medical Student, Summer Research, UM

Fall, 2001 Omer Yilmaz, Medical Scientist Training Program, UM

Summer, 2002 Mark Kiel, Medical Scientist Training Program, UM

Summer, 2003 Edward Oh, Neuroscience Program, UM

Fall, 2003 Chong Chen, Cellular and Molecular Biology, UM

Winter, 2004 Alana Lysholm, Neuroscience Program, UM

Winter, 2004 Shenghui He, Cellular and Molecular Biology, UM

Summer, 2006 Jae Lee, Medical Scientist Training Program, UM

Summer, 2008 Ajay Prakash, Medical Scientist Training Program, UM

Summer, 2008 Charlie Kuang, Medical Scientist Training Program, UM

Summer, 2009 Danny Yang, Medical Scientist Training Program, UM

Summer, 2009 Heiko Yang, Medical Scientist Training Program, UM

Fall, 2009 James Peyer, Program in Genetics and Development, UTSW

Fall, 2011 Chris Inra, Medical Scientist Training Program, UTSW

Fall, 2011 Ge Zheng, Graduate School of Biomedical Sciences, UTSW

Summer, 2012	Stacy Yuan, Medical Scientist Training Program, UTSW
Fall, 2012	Jenny Weon, Medical Scientist Training Program, UTSW
Summer, 2013	Edward Daniel, Medical Scientist Training Program, UTSW
Fall, 2016	Divya Bezwada, Graduate School of Biomedical Sciences, UTSW
Summer, 2018	Yuki Inaba, Medical Scientist Training Program, UTSW
Summer, 2019	Mark Mannino, Medical Scientist Training Program, UTSW
Summer, 2019	Julia Phan, Medical Scientist Training Program, UTSW
Summer, 2020	Mark Mannino, Medical Scientist Training Program, UTSW
Fall, 2020	Greg Mannino, Graduate School of Basic Sciences, UTSW
Spring, 2021	Animesh Paul, Graduate School of Basic Sciences, UTSW
Summer, 2022	Eric Chen, Medical Scientist Training Program, UTSW
Fall, 2023	Xiyue (Shirley) Wang, Graduate School of Basic Sciences, UTSW
Fall, 2023	Ruyin Guo, Graduate School of Basic Sciences, UTSW
Winter, 2023	Siyu Yin, Graduate School of Basic Sciences, UTSW
Winter, 2023	Yiming Sun, Graduate School of Basic Sciences, UTSW
Summer, 2025	Diego Capcha-Rodriguez, Graduate School of Basic Sciences, UTSW

Dissertation Committees at UTSW for students not in the Morrison lab

2012 - 2015	Annika Butler, Genetics and Development
2012 - 2015	Ziying Liu, Genetics and Development
2011 - 2017	Ana Uruena, Genetics and Development
2014 - 2017	Xiaolei Shi, Cancer Biology
2014 - 2018	Barrett Updegraff, Cancer Biology
2016 - 2019	Stephen Li, Genetics and Development
2017 - 2023	Divya Bezwada, Cancer Biology
2018 - 2023	Chunyang Ni, Genetics and Development
2020 - 2024	Spencer Shelton, Cell and Molecular Biology
2020 - 2022	Madeline Marlar, Medical Scientist Training Program
2023 - 2026	Chase Pagani, Genetics, Development & Disease
2024 - present	Charles Edgar, Cell and Molecular Biology
2025 - present	Yuhang Yao, Genetics, Development & Disease

Preliminary Exam Committees at UTSW

2012	Angelica Sanchez, Cancer Biology
2012	Keun Ryu, Genetics, Development & Disease
2013 – 2019	Not recorded
2020	Usman Hyder, Genetics, Development & Disease
2022	Yihe Zhang, Genetics, Development & Disease
2022	Roy Garcia, Cancer Biology (Chair)
2023	Justin Engel, Cancer Biology
2024	Blake Schwettmann, Cancer Biology

Extramural Invited Presentations

2000	04/08	<u>Great Lakes Development Meeting, Toronto, Canada</u> “Notch Activation instructs rapid glial differentiation by purified neural crest stem cells”
	05/03	<u>University of Toronto, Hospital for Sick Children</u> , “The role of notch and neural crest stem cells in peripheral nervous system development”
	05/10	<u>Michigan Biotech Association, Ann Arbor, MI</u> “Stem cell biology at the

- interface: science as an academic and entrepreneur"
- 06/10 Society for Developmental Biology Meeting, Boulder, CO "Transient notch activation initiates an irreversible switch from neurogenesis to gliogenesis by neural crest stem cells"
- 07/02 Developmental Neurobiology Gordon Conference, Newport, RI, "Notch and neural crest stem cells in peripheral nervous system development"
- 09/22 Fondation des Treilles, Tourtour, France, "Notch and neural crest stem cells in peripheral nervous system development"
- 11/06 University of Kentucky, Lexington, KY, "Notch and neural crest stem cells in peripheral nervous system development"
- 11/17 Foundation for Fighting Blindness, Bethesda, MD, "An in vivo analysis of neural crest stem cell developmental potential"
- 11/29 Osaka University, Osaka, Japan, "Neural crest stem cells: developmental potential and differentiation"
- 12/01 Center of Excellence International Symposium on Molecular Bases of Neuronal Development and Neurodegeneration, Nagoya, Japan, "The surprising roles of notch and neural crest stem cells in peripheral nervous system development"
- 2001 01/31 University of California at Los Angeles, CA, "Notch and neural crest stem cells in peripheral nervous system development"
- 02/13 Ernst Klenk Symposium, Cologne, Germany, "Neural crest stem cells and peripheral nervous system development"
- 02/14 National Institute for Medical Research (Mill Hill), London, UK, "Neural crest stem cells and peripheral nervous system development"
- 04/07 University of California at San Francisco Stem Cell Mini-symposium, San Francisco, CA, "Neural crest stem cells and PNS development"
- 04/22 The Sherman Lecture, West Bloomfield Jewish Community Center, West Bloomfield, MI "Stem cell biology and ethics"
- 05/23 National Neurofibromatosis Association, Aspen, CO, "Neural crest stem cells and peripheral nervous system development"
- 06/11 Neurotrophins Gordon Conference, Newport, RI, "Neural crest stem cells and peripheral nervous system development"
- 09/10 Howard Hughes Medical Institute Science Meeting, Chevy Chase, MD, "Neural crest stem cells and the generation of diversity"
- 10/06 Fourth International Symposium on Organogenesis, University of Michigan, Ann Arbor, MI, "Neural crest stem cells and the generation of diversity"
- 2002 01/25 University of California at Santa Cruz, CA, "Neural crest stem cells and the generation of diversity"
- 02/07 Case Western Reserve University, Cleveland, OH, "Neural crest stem cells and the generation of diversity"
- 02/22 Stem Cell Challenge Symposium, Vienna, Austria "Neural crest stem cells and the generation of neural diversity"
- 03/11 New York Academy of Medicine, Cell and Tissue Engineering Symposium, New York, NY, "Neural crest stem cells and peripheral nervous system development"
- 03/20 Engineering Tissue Growth International Conference, Pittsburgh, PA, "Neural crest stem cells and peripheral nervous system development"
- 04/24 Children's Hospital Medical Center, Cincinnati, OH, "Neural stem cells and the generation of diversity"
- 05/08 Department of Neurobiology, Stanford University, CA, "Neural stem cells and the generation of neural diversity"
- 05/14 Massachusetts General Hospital, Neuroscience Center, Charlestown, MA, "Neural crest stem cells and the generation of neural diversity"
- 06/03 Nobel Conference on Stem Cell Biology, Stockholm, Sweden, "Neural stem cells

- and the generation of neural diversity”
- 06/12 Midland Center for the Arts, Midland, MI, “An introduction to stem cell biology”
- 06/19 Indiana University, Indianapolis, IN, “Strategies for the generation of diversity in the nervous and hematopoietic systems”
- 09/19 Twelfth Biennial Meeting of the American Motility Society, Galveston, TX, “Critical steps in the development of the ENS and their regulation”
- 09/25 Central Society for Clinical Research, Chicago, IL, “Stem cell plasticity”
- 10/14 University of Pennsylvania, Philadelphia, PA, “Neural crest stem cells and the generation of diversity”
- 12/07 American Society for Hematology Annual Meeting, Philadelphia, PA, “Stem cells and the generation of spatial diversity”
- 2003 01/22 UC Los Angeles, CA, “The generation of diversity from stem cells”
- 02/06 Johns Hopkins University, Baltimore, MD, “The generation of diversity from stem cells”
- 02/12 Wayne State University, Detroit, MI, “The self-renewal and diversification of stem cells”
- 03/05 St. Jude’s Hospital, Memphis, TN, “The self-renewal and diversification of stem cells”
- 03/20 University of North Carolina, Chapel Hill, NC, “The diversification and self-renewal of neural stem cells”
- 04/22 University of Kentucky, Lexington, KY, “Age-related changes in stem cell properties”
- 05/14 Maine Medical Research Institute, Portland, ME “Self-renewal of neural crest stem cells”
- 05/18 American Gastroenterological Association Annual Meeting, Orlando, FL “Hirschsprung disease is caused by defects in neural crest stem cell function.”
- 06/09 International Society of Stem Cell Research Annual Meeting, Washington, DC, “Self-renewal of neural crest stem cells”
- 06/20 Cold Spring Harbor Developmental Neurobiology Course, Cold Spring Harbor, NY, “The self-renewal and differentiation of neural stem cells”
- 08/02 Mount Desert Island Stem Cell Symposium, Salisbury Cove, ME, “Neural stem cells and their plasticity potential”
- 09/10 Ottawa Health Research Institute, Ottawa, Ontario, Canada, “The molecular regulation of neural crest stem cell function”
- 09/25 Emerging Technologies Conference, MIT, Boston, MA, “Adult stem cells”
- 10/21 University of Utah, Salt Lake City, UT, “The self-renewal and differentiation of neural stem cells”
- 10/29 Washington University, Stem Cell Symposium, St. Louis, MO, “Stem cell self renewal”
- 11/17 Howard Hughes Medical Institute, Chevy Chase, MD, “Stem cell self renewal”
- 11/18 Howard Hughes Medical Institute-National Institutes of Health Research Scholars, Bethesda, MD, “The genetic regulation of stem cell function”
- 12/08 Sloan-Kettering Institute, New York, NY, “The genetic regulation of neural stem cells”
- 12/15 Vanderbilt University, Nashville, TN, “The regulation of neural stem cell migration and self-renewal”
- 2004 01/15 UC San Diego, CA, “The self-renewal and differentiation of neural stem cells”
- 02/24 University of Toronto Institute of Biomaterials and Biomedical Engineering, Distinguished Speakers in Bioengineering, Toronto, Ontario, Canada, “The genetic regulation of stem cell function”
- 03/03 UC San Francisco, CA, “The genetic regulation of stem cell function”
- 03/09 Moffitt Cancer Center and Research Institute, Tampa, FL, “The genetic regulation of stem cell function”
- 03/27 American Association for Cancer Research Annual Meeting, Orlando, FL, “The regulation of stem cell self-renewal”
- 04/01 Second Canadian Developmental Biology Symposium, Banff, Alberta, Canada, “The regulation of stem cell self-renewal”
- 04/15 NIH Organ Innervations Workshop, Bethesda, MD, “Neural stem cells in gut”

- 04/28 Association for Research in Vision and Ophthalmology (ARVO) 2004 Annual Meeting, Ft. Lauderdale, FL "Stem Cells in Biology and Medicine: An Overview"
- 05/20 Jackson Laboratory Seminar, Bar Harbor, ME, "The genetic regulation of stem cell function"
- 06/06 Midwest Developmental Biology Meeting, Kansas City, MO, "The genetic regulation of stem cell function"
- 06/08 McDonnell Foundation 2004 Annual Meeting, Palisades, NY, "The role of Bmi-1 in stem cell and cancer cell proliferation"
- 06/11 International Society for Stem Cell Research Annual Meeting, Boston, MA, "Adult stem cell self-renewal requires repression of senescence pathways by Bmi-1"
- 06/21 Tumor Stem Cell Mini-Symposium, Pittsburgh, PA, "Applying the principles of stem cell biology to cancer"
- 07/12 Federation for European Neuroscience Annual Meeting, Lisbon, Portugal, "The regulation of neural stem cell self-renewal"
- 07/16 University of Seville, Seville, Spain, "The genetic regulation of stem cell function"
- 08/17 Gordon Conference on Neural Development, Newport, RI, "The regulation of neural stem cell self-renewal"
- 08/18 Cold Spring Harbor Cancer Genetics & Tumor Suppressor Genes Meeting, Cold Spring Harbor, NY, "The regulation of neural stem cell self-renewal"
- 09/05 Cold Spring Harbor Mouse Molecular Genetics Meeting, Cold Spring Harbor, NY, "Determination of hematopoietic stem cell identity"
- 09/13 Howard Hughes Medical Institute Science Meeting, Chevy Chase, MD, "Determination of hematopoietic stem cell identity"
- 10/01 Columbia University, New York, NY, "Genetic regulation of stem cell function"
- 11/03 Novartis Institutes for BioMedical Research, Cambridge, MA, "Genetic regulation of stem cell function"
- 11/08 National Institute on Aging, Stem Cells and Aging Meeting, Bethesda, MD, "Stem cell self-renewal and senescence"
- 11/21 2004 Hanson Symposium, Adelaide, Australia, "The genetic regulation of stem cell function"
- 11/26 Walter & Eliza Hall Institute, Melbourne, Australia, "Distinguishing stem cells from progenitors"
- 12/09 American Society for Cell Biology Annual Meeting, Washington, DC, co-chaired Mini-symposium on Stem Cells and presented "Distinguishing stem cells from progenitors"
- 12/15 Weill Medical Center, Cornell University, New York, "The genetic regulation of stem cell function"
- 2005 01/13 Scripps Institute, San Diego, CA, "The regulation of stem cell self-renewal and aging"
- 01/19 Duke University, Durham, North Carolina, "The regulation of stem cell self-renewal and aging"
- 02/12 Keystone Symposium, Molecular Regulation of Stem Cell Function, Banff, Alberta, Canada, "The regulation of stem cell self-renewal and aging"
- 02/25 UC Los Angeles Symposium, Los Angeles, CA, "Applying the principle of stem cell biology to cancer"
- 03/03 Howard Hughes Medical Institute and CSIS Congressional Briefing on Stem Cells, Washington, DC, "Somatic stem cells"
- 03/17 Days of Molecular Medicine Meeting 2005, San Diego, CA, "Hematopoietic stem cell niches"
- 03/31 Dana-Farber Children's Hospital, Boston, MA, "The identification and regulation of stem cells"
- 04/06 MGH Cancer Center, Charlestown, MA "The identification, localization, and regulation of stem cells"

- 04/18 Chair of Symposium on Stem Cells and Cancer at the American Association for Cancer Research 96th Annual Meeting, Anaheim, CA, and presented "Pten regulates hematopoietic stem cell function and leukemogenesis"
- 04/28 Program Directors-General Clinical Research Centers Meeting, Washington, DC, "Stem cell research"
- 05/27 EMBO Workshop and Institute for Cancer Research and Treatment International Cancer Conference, Turin, Italy, "Stem cell self-renewal and cancer proliferation"
- 06/04 Cold Spring Harbor Symposium on Quantitative Biology, Cold Spring Harbor, NY, "Pten distinguishes the self-renewal of normal and leukemic stem cells"
- 06/24 International Society for Stem Cell Research Annual Meeting, San Francisco, CA, "Differential expression of SLAM family members distinguishes stem and progenitor cells in the hematopoietic system and reveals endothelial niches for stem cells"
- 07/28 Society for Developmental Biology, San Francisco, CA, "Differential expression of SLAM family members distinguishes stem and progenitor cells in the hematopoietic system and reveals endothelial niches for stem cells"
- 09/13 Howard Hughes Medical Institute Science Meeting, "Pten dependence distinguishes stem cell self-renewal from cancer cell proliferation"
- 10/04 National Cancer Research Institute Meeting, Birmingham, UK, "Pten dependence distinguishes stem cell self-renewal from cancer cell proliferation"
- 10/11 Tanenbaum Symposium, University of Toronto, Toronto, Canada, "Pten dependence distinguishes stem cell self-renewal from cancer cell proliferation"
- 10/27 Keystone Symposium, Stem Cells, Senescence, and Cancer, Singapore, "Stem cell self-renewal"
- 11/10 International Workshop on Cancer Stem Cells, Milan Italy, "Pten dependence distinguishes stem cell self-renewal from cancer cell proliferation"
- 11/16 Society for Neuroscience, Washington, D.C., "Stem cell self-renewal versus cancer cell proliferation"
- 11/29 The Institute for Research in Immunology and Cancer, Montreal, Canada, "Pten dependence distinguishes stem cell self-renewal from cancer cell proliferation"
- 12/02 Harvard Stem Cell Institute, Boston, MA, "Pten dependence distinguishes stem cell self-renewal from cancer cell proliferation"
- 12/05 The Banbury Center, Cold Spring Harbor, NY, "Pten dependence distinguishes stem cell self-renewal from cancer cell proliferation"
- 12/14 University of North Carolina, Chapel Hill, NC, "Stem cell self renewal versus cancer cell proliferation"
- 2006 01/11 Oregon Health and Science University, Portland, OR, "Stem cell self-renewal versus cancer cell proliferation"
- 01/12 University of Oregon, Eugene, OR, "Stem cell self-renewal versus cancer cell proliferation"
- 01/24 Stanford University, Stanford, CA, "Stem cell self-renewal versus cancer cell proliferation"
- 02/03 European Society for Hematology/American Association for Cancer Research Conference, Cascais, Portugal, "Stem cell self-renewal versus cancer cell proliferation"
- 02/17 AAAS Annual Meeting, St. Louis, MO, "Adult stem cells"
- 03/06 International Conference on Cell Therapy and Regenerative Medicine, Madrid, Spain, "Pten dependence distinguishes stem cell self-renewal from cancer cell proliferation"
- 03/29 Development of the Enteric Nervous System: Cells, Signals and Genes Conference, New York, NY, "Neurogenesis in the adult gut"
- 04/18 Abramson Family Cancer Research Institute, University of Pennsylvania, Pittsburgh, PA, "Stem cell self-renewal versus cancer cell proliferation"
- 04/19 University of Wisconsin-Madison NIH Stem Cell Training Program, Madison, WI, "Neural stem cell aging"

- 04/27 University of Oklahoma, Oklahoma City, OK, "Stem cell self-renewal versus cancer cell proliferation"
- 04/30 National Institute on Aging, Stem Cells and Aging 2006 Annual Meeting, Potomac, MD, "Stem cell aging"
- 05/02 National Institutes of Health Stem Cell Seminar Series, Bethesda, MD, "Stem cell self-renewal versus cancer cell proliferation"
- 05/25 UT Southwestern, Dallas, TX, "Stem cell self-renewal versus cancer cell proliferation"
- 07/01 International Society for Stem Cell Research Annual Meeting, Toronto, Canada, "Stem cell aging"
- 07/16 American Society for Cell Biology, Summer Meeting, Boston, MA, "Hematopoietic stem cell niche"
- 09/12 Howard Hughes Medical Institute, Science Meeting, Chevy Chase, MD, "The regulation of stem cell aging"
- 09/18 Howard Hughes Medical Institute, Meeting of Predoctoral and Postdoctoral Research Fellows, Chevy Chase, MD, "Stem cell aging"
- 09/28 International Society for Experimental Hematology, Annual Meeting, Minneapolis, MN, "Hematopoietic stem cell niche"
- 09/30 Michigan State Medical Society, 10th Annual Conference on Bioethics, Traverse City, MI, "Embryonic stem cells"
- 10/09 Genomics Institute of the Novartis Research Foundation, San Diego, CA, "Stem cell self-renewal, cancer cell proliferation and aging"
- 10/17 Center for Advanced Biotechnology and Medicine Symposium, Piscataway, NJ, "Stem cell self-renewal, cancer cell proliferation and aging"
- 11/06 Cincinnati Children's Hospital, Cincinnati, OH, "Stem cell self-renewal, cancer cell proliferation and aging"
- 11/10 Stanford Regenerating Life Symposium, Stanford CA, "Stem cell aging"
- 12/07 Mount Sinai School of Medicine, New York, NY, "Identifying hematopoietic stem cells and their niche"
- 12/14 Keystone Symposium, Cancun, Mexico, "Identifying hematopoietic stem cells and their niche"
- 2007 02/01 INTACT 2007 Annual Meeting, Copenhagen, Denmark, "Stem cell self-renewal, cancer cell proliferation and aging"
- 02/16 UC Los Angeles Stem Cell Center Symposium, Los Angeles, CA "Stem cell self-renewal throughout life"
- 03/04 Keystone Symposium on Stem Cell Niches, Keystone, Colorado "The vascular niche for hematopoietic stem cells"
- 03/15 UC San Diego, San Diego, CA "Stem cell self-renewal throughout life"
- 03/20 USA-Japan Cooperative Cancer Workshop, Kauai, HI "Pten and leukemogenesis"
- 03/29 Children's Hospital Boston, Boston, MA "Stem cell self-renewal throughout life"
- 04/02 Pfizer, Ann Arbor, MI "Stem cell self-renewal throughout life"
- 04/24 The University of Washington, Seattle, WA "Stem cell self-renewal throughout life"
- 05/22 Days of Molecular Medicine, Boston, MA "Stem cell self-renewal throughout life"
- 05/24 University of Virginia, Charlottesville, VA "Stem cells in the nervous system and other tissues"
- 05/25 Robarts Regenerative Medicine Symposium, Toronto, ON "Stem cell self-renewal throughout life"
- 06/04 American Aging Association Conference, San Antonio, TX "Stem cell self-renewal, cancer cell proliferation and aging"
- 06/11 Children's Tumor Foundation NF Conference, Park City, UT "Stem cell self-renewal throughout life"
- 06/19 International Society for Stem Cell Research Annual Meeting, Cairns, Australia "Sox17 dependence distinguishes the transcriptional regulation of fetal from adult hematopoietic stem cells"

- 07/15 Aspen Cancer Conference, Aspen CO "Stem cell self-renewal, cancer cell proliferation and aging"
- 09/28 International Society for Hematology, Hamburg, Germany "Hematopoietic stem cell maintenance throughout life"
- 10/03 IRB Barcelona Biomed Conference, Barcelona, Spain "Neural crest stem cells, neurofibromatosis and MPNST"
- 10/05 CNIO (Spanish National Cancer Research Centre), Madrid, Spain "Stem cell self-renewal and cancer"
- 10/08 Merck-Cancer Stem Cell Symposium, Rome, Italy "Stem cell self-renewal, cancer cell proliferation and aging"
- 10/16 New York Stem Cell Foundation, Fall Conference, New York, NY "Stem cell self-renewal"
- 10/17 Silverstein Lecture, Northwestern University, Chicago, IL "Stem cell biology at the interface of science and politics"
- 11/07 UC San Francisco, San Francisco, CA "Stem cell self-renewal"
- 11/09 Canadian Stem Cell Network 7th Annual Scientific Meeting, Toronto, Canada "Stem cell self-renewal"
- 2008 01/10 Southern California Stem Cell Consortium, Burnham Institute, San Diego, CA "Stem cells and cancer"
- 01/14 University of Toronto Program in Immunology, Toronto, Canada "Stem cells and cancer"
- 02/14 American Association for Cancer Research Meeting on Cancer and Stem Cells, Los Angeles, CA "Stem cells and cancer"
- 02/27 Keystone Symposium on Tumor Suppressors and Stem Cell Biology, Vancouver, Canada "Stem cell self-renewal versus cancer cell proliferation"
- 03/28 Keystone Symposium on Signaling Pathways in Cancer and Development, Steamboat Springs, CO "Stem cells and cancer"
- 04/08 American Association of Anatomists, Annual Meeting 2008, San Diego, CA H.W. Mossman Award Lecture in Developmental Biology. "The regulation of stem cell self-renewal"
- 04/15 University of Pennsylvania, Immunology Colloquium Seminar, Philadelphia, PA "The regulation of stem cell self-renewal"
- 04/16 University of Wisconsin, Third Annual Wisconsin Stem Cell Symposium, Madison, WI "Loss of Nf1 transiently promotes self-renewal but not tumorigenesis by neural crest stem cells"
- 04/25 University of North Carolina, Chapel Hill, NC "The regulation of stem cell self-renewal"
- 05/06 Massachusetts Institute of Technology, Cambridge, MA "The regulation of stem cell self-renewal"
- 05/22 Chicago Transduction Symposium, Northwestern University, Chicago, IL "The regulation of stem cell self-renewal"
- 05/23 UC San Francisco, San Francisco, CA "Stem cell self-renewal versus cancer cell proliferation"
- 06/10 Dana Farber Cancer Institute, Seminars in Oncology, Boston, MA "The regulation of stem cell self-renewal"
- 06/12 International Society for Stem Cell Research Annual Meeting, Philadelphia, PA "The regulation of stem cell self-renewal"
- 07/23 Weissman Lab Symposium 2008, Hamilton, MT "The regulation of stem cell self-renewal"
- 09/08 Howard Hughes Medical Institute Science Meeting, Chevy Chase, MD "How frequent are tumorigenic human cancer cells?"
- 09/16 Van Andel Research Institute, Grand Rapids, MI "Stem cell self-renewal"
- 09/26 Nobel Conference on Stem Cells, Stockholm, Sweden "Stem cell self-renewal throughout life"

- 10/03 Keystone Symposia, Stem Cells, Cancer and Aging, Singapore, "Stem cells, aging and cancer"
- 10/15 Foundation Singer-Polignac, Paris, France, "Cancer Stem Cells"
- 11/10 Columbia University, New York, NY, "Stem cell self-renewal"
- 11/18 UC Los Angeles Department of Pharmacology, Los Angeles, CA, "Stem cell self-renewal"
- 12/12 Merck Research Labs, Cambridge MA, "Cancer stem cells and self-renewal"
- 2009 01/15 American Association for Cancer Research, Mouse Models of Cancer, San Francisco, CA, "What percentage of human cancer cells are tumorigenic?"
- 01/28 Keystone Symposium, Emerging Tumor Suppressors, Taos, NM, "Hmga2 increases the self-renewal of fetal and young adult stem cells"
- 02/24 CNIO (Spanish National Cancer Research Centre), Cancer Conference, Madrid, Spain, "Tumorigenic potential is a common attribute of human melanoma cells, rather than a property of rare melanoma stem cells"
- 03/17 National Institute of Aging, Baltimore, MD "The regulation of stem cell aging"
- 03/27 USA-Japan Cooperative Cancer Workshop, Kona, HI "A forward genetic screen for regulators of hematopoietic and leukemic stem cell self-renewal"
- 04/06 University of Iowa, Neuroscience Seminar, Iowa City, IA, "Stem cell self-renewal"
- 04/14 University of Pennsylvania, Institute for Regenerative Medicine, Philadelphia, PA "The regulation of stem cell renewal"
- 04/17 Boston University School of Medicine, Stem Cell Symposium, Boston, MA, "Stem cell self-renewal versus cancer cell proliferation"
- 04/21 Keystone Symposium, Stem Cell Niche Interactions, Whistler, British Columbia, Canada, Keynote Address "Hematopoietic stem cell self-renewal"
- 05/11 Carnegie Institution, Baltimore, MD, "The regulation of stem cell self-renewal"
- 05/23 University of Ulm, Symposium on Molecular Mechanisms of Adult Stem Cell Aging, Reisensburg, Germany, "The regulation of stem cell aging"
- 06/02 Harvard Stem Cell Institute, Brookline, MA, "Stem cell self-renewal"
- 06/11 Pezcoller Symposium, Trento, Italy, "Cancer stem cells?"
- 06/18 Massachusetts Institute of Technology, Boston, MA, "Cancer stem cells?"
- 07/25 Society for Developmental Biology Annual Meeting, San Francisco, CA, "A forward genetic screen for stem cell self-renewal genes"
- 08/03 International Union of Biochemistry and Molecular Biology International Congress, Shanghai, China, "A forward genetic screen for self-renewal genes"
- 09/14 Howard Hughes Medical Institute, Science Meeting, Chevy Chase, MD, "A forward genetic screen for stem cell self-renewal genes"
- 09/17 Keynote Speaker, Wayne State University Graduate Student Research Day, Detroit, MI, "The regulation of stem cell self-renewal"
- 09/22 Cold Spring Harbor Symposium on Stem Cell Biology, Cold Spring Harbor, NY, "A transposon mutagenesis suppressor screen for self-renewal genes"
- 11/01 Society for Melanoma Research Annual Meeting, Boston, MA, "Tumorigenic cells are common in melanoma and lack obvious hierarchical organization"
- 12/04 American Society for Cell Biology Annual Meeting, San Diego, CA, "Some cancers follow a stem cell model and some don't"
- 12/14 American Association for Cancer Research Special Meeting on Brain Tumors, San Diego, CA, "Tumorigenic cells are common in some cancers"
- 2010 01/05 Columbia University, New York, NY, "The regulation of stem cell self-renewal"
- 01/28 Harvard University, Boston, MA, "The regulation of stem cell self-renewal"
- 02/03 Keystone Symposium, Tahoe City, CA, "A transposon mutagenesis suppressor screen for genes that regulate stem cell maintenance"
- 02/10 UC San Diego, San Diego, CA, "Some cancers follow a stem cell model, and some don't"

- 02/09 Pfizer, La Jolla, CA, "The cancer stem cell model describes some cancers but not others"
- 02/11 Salk Institute, La Jolla, CA, "Heterogeneity among cancer cells: stem cells or clonal evolution"
- 02/24 UC Berkeley, Berkeley, CA, "The regulation of stem cell self-renewal"
- 03/09 Foundation IPSEN, Beriloche, Argentina, "Some cancers follow a stem cell model, while other cancers have common tumorigenic cells with little or no hierarchical organization"
- 03/19 UC San Francisco, San Francisco, CA, "Some cancers follow a stem cell model, and some don't"
- 03/30 Wayne State University, Detroit, MI, "Some cancers follow a stem cell model, and some don't"
- 04/08 Cold Spring Harbor Asia, Suzhou, China, "The regulation of stem cell self-renewal"
- 04/18 New York University, New York, NY, "The regulation of stem cell self-renewal"
- 04/20 American Association for Cancer Research Annual Meeting 2010, Washington, D.C., Plenary Talk "Some cancers follow a stem cell model, while other cancers have common tumorigenic cells with little or no hierarchical organization"
- 04/27 Tri-Institutional Stem Cell Initiative, New York, NY, "Stem cells and cancer"
- 05/19 Princeton University, Princeton, NJ, "The regulation of stem cell self-renewal"
- 08/23 Jackson Laboratory, Short Course on Experimental Models, Bar Harbor, ME "Cancer stem cells?"
- 10/04 2010 World Stem Cell Summit, Detroit, MI Keynote Scientific Presentation, "Melanoma"
- 10/05 Novartis Cancer Retreat, Keynote Speaker, Atlanta, GA "Cancer stem cells?"
- 11/07 Howard Hughes Medical Institute, Science Meeting, Chevy Chase, MD, "The metabolic regulation of stem cells by Lkb1"
- 11/16 Sloan Kettering, New York, NY "The metabolic regulation of stem cells by Lkb1"
- 12/01 University of Chicago, Chicago, IL "Cancer stem cells?"
- 12/04 Leukemia and Lymphoma Society Symposium, Orlando, FL "The hematopoietic stem cell niche"
- 2011 02/02 Keystone Meeting on Stem Cells, Santa Fe, New Mexico "Developmental changes in PI-3kinase pathway signaling influence stem cells and leukemia"
- 02/09 Broad Center for Stem Cell Research Opening Symposium, UCSF, San Francisco "Reprogramming of adult stem cells to have fetal characteristics"
- 02/16 ABCAM Conference on Neurodegeneration and Stem Cells, Nassau, Bahamas "Bmi-1 regulates neurological function throughout adult life"
- 02/21 UT Health Sciences Center San Antonio, Texas "Stem cell self-renewal throughout adult life"
- 03/10 Keystone Meeting on Stem Cells, Cancer, and Metastasis, Keynote Address "Tumorigenesis and metastasis in melanoma"
- 03/30 Keystone Meeting on Hematopoiesis, Big Sky Montana, "Regulation of temporal identity in stem cells."
- 04/02 American Association for Cancer Research Annual Meeting, Orlando, Florida, Workshop on Metastasis and tumor dormancy, "Melanoma tumorigenesis"
- 04/04 American Association for Cancer Research Annual Meeting, Orlando, Florida, Forum on Cancer Stem Cells, "Malignant peripheral nerve sheath tumors"
- 04/05 American Association for Cancer Research Annual Meeting, Orlando, Florida, Plenary session on Stem cell self-renewal mechanisms, "Temporal changes in stem cell self-renewal mechanisms"
- 04/28 Cold Spring Harbor Laboratory meeting on Cancer Biology, "Tumorigenic cell frequency"
- 04/29 National Institutes of Health meeting for grantees studying the hematopoietic stem cell niche, Bethesda, MD, "The hematopoietic stem cell niche"

05/05 Howard Hughes Medical Institute Science Meeting, Janelia Farm, "The hematopoietic stem cell niche"

05/10 University of Utah, Salt Lake City, "Intrinsic and extrinsic mechanisms that regulate hematopoietic stem cell function"

06/17 International Society for Stem Cell Research Annual Meeting, Toronto CA "The hematopoietic stem cell niche"

06/27 Gordon Conference on Cell Growth and Proliferation, Biddeford, Maine "Temporal changes in stem cell self-renewal mechanisms"

07/11 Aspen Cancer Conference, Aspen, CO, "Melanoma growth, metastasis, and genetic change"

08/04 Ellison Foundation Annual Meeting, Woods Hole, MA, "Bmi-1, stem cell aging, and neurological function"

09/14 Center for Cancer Systems Biology Series, Stanford, CA "Stem cell self-renewal and cancer cell proliferation"

09/16 American Association for Cancer Research Conference on Frontiers in Basic Cancer Research, San Francisco, CA "Plasticity of melanoma cells"

09/20 Cold Spring Harbor Laboratory meeting on Stem Cell Biology, Cold Spring Harbor, NY "Hematopoietic stem cell niches"

10/20 St. Jude's Biomedical Symposium, Memphis, TN "Neural stem cell self-renewal"

11/01 Frontiers in Cancer Science 2011, Singapore "Developmental changes in PI-3kinase pathway regulation lead to changes in hematopoietic stem cell self-renewal and leukemogenesis"

11/17 Cambridge Research Institute, Cambridge, UK "The intrinsic and extrinsic regulation of stem cell self-renewal"

2012 01/05 UCLA, Los Angeles, CA "The hematopoietic stem cell niche"

01/25 Stanford University, Stanford, CA "The hematopoietic stem cell niche"

02/20 Peking University, Beijing, China "The hematopoietic stem cell niche"

02/21 National Institute of Biological Sciences, Beijing, China "The hematopoietic stem cell niche"

03/09 Nobel Forum, Frontiers in Cancer Research and Therapy, Karolinska Institute, Stockholm, Sweden "Melanoma growth and metastasis"

03/21 University of Wisconsin, Madison, WI "The hematopoietic stem cell niche"

04/03 American Association for Cancer Research Annual Meeting, Baynard Clarkson Symposium "Ras, stem cells, clonal expansion, and leukemia"

04/05 Keystone Symposium, Breckenridge, CO "Pten, stem cells, and leukemogenesis"

04/11 Roy M. Huffington Distinguished Lecture, Huffington Center on Aging, Baylor Medical School, Houston, TX "Regulation of stem cell aging"

04/30 Weizmann Institute of Science, Rehovot, Israel "The hematopoietic stem cell niche"

05/06 Meeting of NHLBI Stem Cell Niche RFA recipients, National Institutes of Health, Bethesda, MD "The hematopoietic stem cell niche"

05/15 University of Nebraska, Omaha, NE "The cancer stem cell model?"

07/10 Cambridge University, Cambridge, UK "The hematopoietic stem cell niche"

09/12 Baker Institute, Houston, TX "Creating stem cell policy at the interface of science and politics"

09/13 Rice University/MD Anderson, Houston, TX "Stem cell self-renewal and leukemogenesis"

10/01 Geoffrey Beene Symposium-Sloan-Kettering, New York, NY "Stem cell self-renewal and leukemogenesis"

10/16 Yale University, New Haven, CT "The hematopoietic stem cell niche"

11/05 Abcam Conference at The Salk Institute, La Jolla, CA "Proteostasis and stem cell function"

12/04 USC Norris Comprehensive Cancer Center, Los Angeles, CA "Melanoma, tumorigenesis and metastasis"

- 2013 01/15 Keystone Symposium on Hematopoiesis, Steamboat Springs, CO "Hematopoietic stem cell niche"
- 02/23 American Association for Cancer Research, Maui, Hawaii "Human melanoma metastasis in NSG mice correlates with clinical outcome in patients"
- 02/26 Keystone Symposium on Stem Cells in Homeostasis and Disease, Banff, Alberta, Canada "Hematopoietic stem cells and lymphoid progenitors occupy distinct niches in the bone marrow"
- 03/18 Genentech, San Francisco, CA "Stem cell self-renewal and cancer"
- 03/25 America-Japan Leukemia Meeting, Maui, Hawaii "HSC self-renewal and pre-leukemic expansion"
- 04/08 American Association for Cancer Research Annual Meeting, Washington, DC "Stem cells in cancer"
- 04/22 University of Pennsylvania, Philadelphia, PA "Stem cell self-renewal and cancer"
- 05/16 MD Anderson, Houston, TX "Stem cell self-renewal and cancer"
- 05/20 Meeting of NHLBI Blood Stem Cell Niche RFA recipients, National Institutes of Health, Bethesda, MD "Genetic analysis of stem cell maintenance in vivo"
- 07/22 Hebrew University, Stem Cells and Regenerative Biology Summer School "Strengths and weaknesses of the cancer stem cell model"
- 07/23 Hebrew University, Stem Cells and Regenerative Biology Summer School "Stem cells and leukemia"
- 08/02 Key Symposium 10: Taming the Cancer Cell, Stockholm, Sweden "Stem cell self-renewal and pre-leukemic clonal expansion"
- 09/16 International Society for Stem Cell Research Regional Forum, Florence, Italy "Stem cells: lost in translation"
- 09/27 University of Michigan Comprehensive Cancer Center Annual Research Fall Symposium "Stem cells and leukemogenesis"
- 10/10 Howard Hughes Medical Institute Science Meeting, Janelia Farm, Virginia, "Stem cells: lost in translation"
- 10/17 Nathan Shock Center Conference on Aging, Stem Cells and Aging, UT Health Science Center, San Antonio, TX "The regulation of stem cell aging"
- 10/29 Nature – Spanish National Cancer Research Centre (CNIO), Madrid, Spain "Human melanoma heterogeneity and metastasis"
- 11/15 Harvard University/Massachusetts General Hospital Center for Regenerative Medicine 10th Anniversary Symposium, Boston MA "Stem cell self-renewal & leukemogenesis"
- 11/18 McMaster University, Hamilton, Ontario, Canada "Hematopoietic stem cell niche"
- 11/19 Ontario Stem Cell Initiative, University of Toronto, Ontario "Stem cell self-renewal & leukemogenesis"
- 11/21 Cold Spring Harbor Laboratory, New York, NY "Stem cell self-renewal and leukemogenesis"
- 12/12 Lecture Series and Graduate Student Course in Stem Cell Biology, Rockefeller University, New York, NY "Hematopoietic stem cell niche"
- 2014 01/16 Keystone Symposium on Aging, Steamboat Springs, CO "Hematopoietic stem cells require a highly regulated rate of protein synthesis"
- 01/30 Agensys, Los Angeles, CA "Melanoma tumorigenesis and metastasis"
- 02/04 Keystone Symposium on Stem Cells and Cancer, Banff, Alberta "Hematopoietic stem cells require a highly regulated rate of protein synthesis"
- 02/12 Peter MacCallum Cancer Centre, Melbourne, Australia "Stem cell self-renewal and leukemogenesis"
- 02/15 Lorne Cancer Conference, Lorne, Australia "Hematopoietic stem cell self-renewal and leukemogenesis"
- 03/05 MD Anderson Experimental Therapeutics Seminar, Houston, TX "Melanoma tumorigenesis and metastasis"

- 03/26 Cold Spring Harbor Laboratory, Cold Spring Harbor, NY "Hematopoietic stem cells require a highly regulated protein synthesis rate"
- 04/07 American Association for Cancer Research Annual Meeting, San Diego, CA, Bayard Clarkson Symposium "Stem cell self-renewal and cancer"
- 04/08 Lawrence Berkeley National Laboratory, Life Sciences Division, Berkeley, CA "Melanoma tumorigenesis and metastasis"
- 04/09 UC San Francisco, Biomedical Sciences Seminar, San Francisco, CA "The hematopoietic stem cell niche"
- 05/05 Oregon Health and Science University, School of Medicine, Portland, OR "Melanoma tumorigenesis and metastasis"
- 05/14 University of Michigan, Life Sciences Institute Annual Symposium, Ann Arbor, MI "The regulation of stem cell self-renewal"
- 05/16 Washington University Neurofibromatosis Center, St. Louis, MO "Regulation of stem cells by Ras signaling"
- 05/22 University of Colorado, Cancer Biology Graduate Program, Denver, CO "Stem cell self-renewal and cancer cell proliferation"
- 05/30 Nature Conference, Genomics and Stem Cell Based Therapies, Guangzhou, China "The hematopoietic stem cell niche"
- 06/06 Weill Cornell Medical College, Ansary Stem Cell Institute 10th Anniversary Symposium, New York, NY "The regulation of stem cell self-renewal"
- 07/15 Cambridge University MRC Laboratory of Molecular Biology, Cambridge, UK "Hematopoietic stem cell niche"
- 08/22 International Society for Experimental Hematology Annual Scientific Meeting, Montreal, Canada "Cancer, stem cells, and melanoma"
- 10/02 Cold Spring Harbor Laboratory meeting on Aging, Cold Spring Harbor, NY "Proteostasis in somatic stem cells"
- 10/08 Cincinnati Children's Hospital, Cincinnati, OH "The Hematopoietic stem cell niche"
- 10/17 European Molecular Biology Organization Conference, Stem Cells and Epigenetics in Cancer, Hong Kong, China "Distant metastasis by melanoma cells depends upon reversible metabolic changes to cope with oxidative stress"
- 11/04 University of Ottawa, Department of Cellular and Molecular Medicine Trainee Seminar Series, Ottawa, Canada "The regulation of stem cell self-renewal"
- 11/14 Duke Cancer Institute Annual Scientific Retreat, Raleigh, NC "Melanoma heterogeneity and disease progression"
- 12/04 Beth Israel Deaconess Medical Center Distinguished Lecture Seminar, Boston, MA "Novel mechanisms of melanoma progression and treatment"
- 12/09 Cell Symposia, Stem Cell Energetics, Berkeley, CA "Reversible metabolic changes in human melanoma cells enable distant metastasis in vivo"
- 2015 02/25 Keystone Symposia, Hematopoiesis, Keystone, CO "Hematopoietic stem and progenitor cells regulate niche regeneration by secreting angiopoietin-1"
- 03/16 US/Japan Meeting on Malignant Hematopoiesis, Waikoloa, HI "Deep-imaging of stem cells in hematopoietic tissues and digital reconstruction of their microenvironment"
- 03/27 Acute Leukemia Forum, San Francisco, CA "Microenvironment and stem cells in acute leukemia"
- 04/07 New York University School of Medicine Stem Cell Biology Seminar Series, New York, NY "The regulation of stem cell self-renewal"
- 04/15 Duke University School of Medicine Cancer Biology Seminar Series, Raleigh, NC "The hematopoietic stem cell niche"
- 05/06 Howard Hughes Medical Institute Science Meeting, Janelia Farm, Virginia "The regulation of melanoma metastasis"
- 08/07 Salk Mechanisms and Models of Cancer Symposium, La Jolla, CA "Mechanisms of melanoma metastasis"

09/08 University of Southern California Broad Center for Regenerative Medicine Seminar Series, Pasadena, CA "The hematopoietic stem cell niche"

09/18 Summit on Melanoma, Pasadena, CA "Mechanisms of melanoma metastasis"

10/04 Southwest Regional Society for Developmental Biology, Dallas, TX "The hematopoietic stem cell niche"

10/08 Seattle Children's Research Institute, Seattle, WA "The hematopoietic stem cell niche"

10/09 American Society for Bone and Mineral Research Annual Meeting, Seattle, WA "Skeletal stem cells in adult bone marrow"

10/30 Sanford-Burnham Prebys Medical Discovery Institute Annual Symposium, La Jolla, CA "The regulation of adult osteogenesis"

11/14 Cedars-Sinai Medical Center Symposium, Los Angeles, CA "The hematopoietic stem cell niche"

11/17 Bayer Symposia on Hematopoiesis, San Francisco, CA "The hematopoietic stem cell niche"

11/20 Society for Melanoma Research Congress, San Francisco, CA "The regulation of melanoma metastasis"

11/30 American Association for Cancer Research Developmental Biology & Cancer Meeting, Boston, MA "Oxidative stress inhibits distant metastasis by human melanoma cells"

2016 02/11 Stem Cell Research and Regenerative Medicine 2016 Conference, San Antonio, TX "Stem cell niches in the bone marrow"

02/22 University of Pennsylvania Institute for Regenerative Medicine Seminar Series, Philadelphia, PA "Adult niches for hematopoiesis and osteogenesis"

02/24 Columbia University Microbiology and Immunology Seminar Series, New York, NY "The niche for hematopoiesis and osteogenesis in the bone marrow"

03/07 Keystone Conference on Stem Cells and Cancer, Breckenridge, CO Keynote Address "Melanoma metastasis and therapy"

03/14 Memorial Sloan Kettering Cancer Center, Cancer as an Evolving and Systemic Disease, New York, NY "The regulation of melanoma metastasis"

03/22 University of Oklahoma, Oklahoma City, OK "Stem cell niches for hematopoiesis and osteogenesis"

04/04 European Molecular Biology Organization EMBL Symposium on Tumor Microenvironment and Signaling, Heidelberg, Germany, Keynote address "Oxidative stress inhibits distant metastasis by human melanoma cells"

04/07 German Cancer Institute Distinguished Lecturer Seminar Series, Heidelberg, Germany "The niche for hematopoiesis and osteogenesis in the bone marrow"

05/03 Keystone Conference, Epigenetic and Metabolic Regulation of Aging, Sante Fe, NM "Clec11A is necessary for the maintenance of the adult skeleton"

05/11 New York State Stem Cell Meeting, New York, NY, Keynote address "Niches for hematopoietic and osteogenic stem cells"

05/24 Copenhagen Biosciences Conference, Copenhagen, Denmark "Niches for hematopoietic and osteogenic stem cells in the bone marrow"

05/26 Lund University Stem Cell Center, Lund, Sweden "Niches for hematopoietic and osteogenic stem cells in the bone marrow"

06/02 Cold Spring Harbor Laboratory Symposium on Quantitative Biology, Cold Spring Harbor, NY "Metabolic regulation of stem cell frequency and tumor suppression"

06/03 Vanderbilt University Symposium on Cell Dynamics, Nashville, TN "Osteogenic and hematopoietic niches"

07/11 European Association for Cancer Research Annual Meeting, Manchester, UK "Recent progress in in vivo reprogramming"

08/27 International Society for Experimental Hematology Annual Meeting, San Diego, CA "Bone marrow adipocytes promote hematopoietic regeneration"

09/12 Fourth Annual German Stem Cell Network Conference, Hannover, Germany, "Stem niches in the bone marrow"

- 09/14 Biomedicum Helsinki, Helsinki, Finland "Metabolic mechanisms of cancer initiation and progression"
- 09/16 Wihuri Research Institute, Turku, Finland "Stem niches in the bone marrow"
- 09/30 University of Michigan Comprehensive Cancer Center Annual Research Symposium
"Metabolic control of cancer initiation and metastasis" Ann Arbor, MI
- 10/05 University of Calgary Developmental Biology and Genetics Seminar, Calgary, Alberta
"Stem cell niches in the bone marrow"
- 10/06 MD Anderson Symposium on Cancer Research, Houston, TX "Mechanisms of melanoma metastasis"
- 10/28 American Association of Cancer Research Special Conference on Translational Control of Cancer, San Francisco, CA "Protein synthesis in stem cells"
- 11/02 Beth Israel Deaconess Medical Center Annual Cancer Symposium, Boston, MA
"Metabolic regulation of stem cell function and tumor suppression"
- 11/04 Beckman Symposium on Stem Cells and Regenerative Medicine, City of Hope, Duarte CA
"Niches for stem cells in the bone marrow"
- 11/11 Yale Stem Cell Center, Yale University, New Haven, CT "Stem cell niches in the bone marrow"
- 12/03 American Society for Cell Biology Annual Meeting, San Francisco, CA "Stem cells and cancer"
- 2017 01/17 Stanford Cancer Biology Seminar Series, Stanford, CA "Metabolic regulation of stem cells and cancer"
- 02/12 Gordon Research Conference (Stem Cells & Cancer), Lucca, Italy "Metabolic mechanisms regulating cancer initiation"
- 02/24 US-Japan Hematologic Symposium, Waikoloa, Hawaii "Metabolic regulation of leukemogenesis"
- 03/10 UC San Diego Division of Regenerative Medicine Third Annual Symposium, San Diego, CA "Stem cell niches in the bone marrow"
- 03/23 Fox Chase Cancer Center Distinguished Lecturer Seminar, Philadelphia, PA
"Metabolic mechanisms of cancer initiation and progression"
- 03/30 Dana Farber Cancer Institute BMT/HM Grand Rounds, Boston, MA "The hematopoietic stem cell niche"
- 03/31 Harvard Stem Cell Institute Cancer Program Symposium, Boston, MA "Metabolic regulation of cancer initiation and progression"
- 04/10 Columbia Cancer Center Annual Symposium, Keynote Speaker, New York, NY
"Metabolic regulation of cancer initiation and progression"
- 04/11 Banbury Center Meeting "Better Cancer Therapy from Redox Biology", Cold Spring Harbor, NY. "Distant metastasis requires cancer cells to adapt to oxidative stress"
- 04/29 Texas Dermatological Society Annual Spring Meeting, James N. Gilliam Memorial Lecturer, Dallas, TX "Antioxidants and melanoma progression"
- 05/02 Northwestern University Distinguished Annual Cancer Center Malkin-Kraft Lecture, Chicago, IL "Metabolic Mechanisms of Cancer Initiation and Progression"
- 05/22 University of Oxford Weatherall Institute of Molecular Medicine Seminar Series, Oxford, UK "Stem cell niches in the bone marrow"
- 05/25 EMBO Conference: Advances in Stem Cells and Regenerative Medicine, Heidelberg, Germany "Metabolic regulation of stem cells in vivo"
- 06/12 Third Annual Center for Skeletal Research Symposium, Harvard University, Boston, MA "New mechanisms that regulate adult skeleton maintenance"
- 06/15 International Society for Stem Cell Research 2017 Annual Meeting, Boston, MA "The metabolic regulation of stem cell function and leukemogenesis"
- 07/13 International Society on Thrombosis and Hemostasis 2017 Congress, Berlin, Germany, Sol Sherry lecture "Bone Marrow Niches"

- 09/15 Huntsman Cancer Institute Symposium: Frontiers in Cancer Prevention, Research and Therapy, Salt Lake City, UT "Metabolic mechanisms of cancer initiation and progression"
- 09/28 Rockefeller University Stem Cell Lecture, New York, NY "The hematopoietic stem cell niche"
- 09/29 Columbia University Stem Cell Initiative, New York, NY "The hematopoietic stem cell niche"
- 11/16 National Institutes of Health, Bethesda, MD "Stem Cell Aging"
- 11/20 Moffitt Cancer Center, Tampa FL "The Metabolic Regulation of Cancer Initiation and Progression"
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- 2018 01/17 Texas Scottish Rite Hospital for Children, Dallas, TX "Skeletal stem cells and new osteogenic mechanisms"
- 01/24 Memorial Sloan Kettering President's Research Seminar Series, New York, NY "Metabolic mechanisms of cancer initiation and progression"
- 02/14 Howard Hughes Medical Institute Science Meeting, Janelia Farm, Virginia "Metabolic regulation of stem cell function"
- 02/21 ASBMT/CIBMTR (Bone Marrow Transplant) Tandem Meeting, Salt Lake City, UT "The hematopoietic stem cell niche"
- 03/02 University of British Columbia Biomedical Research Center Seminar Series, Vancouver, Canada "The microenvironment for stem cells in bone marrow"
- 04/02 Texas A&M College of Dentistry Research Day, Dallas, TX "The hematopoietic stem cell niche"
- 04/10 MD Anderson Cancer Center Science to Medicine Seminar Series, Houston, TX "The metabolic regulation of cancer initiation and metastasis"
- 04/14 American Association for Cancer Research Annual Meeting, Chicago, IL "Epigenetic regulation of stem cells and leukemia suppression by vitamin C"
- 04/20 St. Jude Danny Thomas Lecture Series, Memphis, TN "Metabolic mechanisms of cancer initiation and progression"
- 05/03 UCLA Stem Cell Seminar Series, Los Angeles, CA "The hematopoietic stem cell niche"
- 05/11 Princeton University Lewis-Sigler Symposium, Princeton, NJ "Metabolic regulation of melanoma metastasis"
- 05/14 University of Toronto Charles Gould Easton Seminar Series, Toronto, Canada "The niche for hematopoietic stem cells"
- 05/24 New York Academy of Sciences Cancer Metabolism and Signaling Symposium, New York, NY "The metabolic regulation of cancer progression"
- 06/14 Keystone Symposium, Novel Aspects of Bone Biology, Snowbird, UT "The maintenance of the adult skeleton"
- 07/01 The European Association for Cancer Research Annual Meeting, Amsterdam, the Netherlands "The metabolic regulation of cancer progression"
- 07/19 Gordon Research Conference, Endothelial Cell Phenotypes in Health and Disease, Lucca, Italy "Endothelial cells and the niche for stem cells versus restricted progenitors"
- 07/27 HuaCell BioMed Future Conference, From Gene Translation to Translational Medicine, Beijing, China "The maintenance and regeneration of blood-forming stem cells"
- 08/18 Cold Spring Harbor Laboratory Meeting on Mechanisms and Models of Cancer, Cold Spring Harbor, NY "Lactate exchange promotes oxidative stress resistance and melanoma metastasis"
- 09/12 Harvard Stem Cells and Regenerative Medicine Seminar Series, Cambridge, MA "Bone marrow niches and maintenance of the adult skeleton"
- 09/26 Frankfurt Cancer Conference, Frankfurt, Germany "The metabolic regulation of cancer progression"

- 09/28 American Association for Cancer Research Special Conference on Metabolism and Cancer, Keynote Speaker, New York, NY "The metabolic regulation of cancer progression"
- 10/10 Korea Advanced Institute of Science & Technology Vascular Research Center Basic Science Symposium, Seoul, South Korea "Perivascular niches in the bone marrow"
- 10/26 Cold Spring Harbor Laboratory Meeting on Nutrient Signaling, Cold Spring Harbor, NY "Lactate exchange promotes oxidative stress resistance and melanoma metastasis"
- 11/02 Vanderbilt University Lubomir S. Hnilica Lecture in the Frontiers in Biochemistry Seminar Series, Nashville, TN "Metabolic mechanisms regulating cancer progression"
- 11/16 Inaugural Research Symposium of the Stanford Maternal and Child Health Research Institute, Keynote Address, Palo Alto, CA "Stem cell niches in the bone marrow"
- 12/01 American Society of Hematology Annual Meeting, San Diego, CA, "The regulation of hematopoietic stem cells and erythropoiesis"
- 12/08 American Society for Cell Biology/European Molecular Biology Organization Meeting, Keynote Address, San Diego, CA "Niches for stem cells in bone marrow"
- 2019 01/28 German Cancer Consortium (DKTK) WIZ/DKTK – Symposium on Plasticity and Cancer, Essen, Germany, "The metabolic regulation of cancer progression"
- 01/29 Scientist in Residence, University of Duisburg-Essen, Essen Germany, "Stem cells, cancer and metabolism"
- 01/31 Charles Rodolphe Brupbacher Symposium, Zurich, Switzerland, "Lactate exchange promotes oxidative stress resistance and melanoma metastasis"
- 02/20 US/Japan Hematologic Malignancies Symposium, Maui, HI "Niche and metabolic regulation of hematopoietic stem cells"
- 03/08 Case Comprehensive Cancer Center Seminar Series, Cleveland, OH "Metabolic regulation of melanoma metastasis"
- 03/19 Dana-Faber Seminars in Oncology Emily Frederick DiMaggio Lecture, Boston, MA "Metabolic mechanisms that regulate melanoma metastasis"
- 03/26 Stem Cells and Cancer Gordon Research Conference, Ventura, CA "Metabolic heterogeneity among melanoma cells confers differences in metastatic potential"
- 04/02 Massachusetts Institute of Technology Biology Colloquium, Boston, MA "Niche and metabolic regulation of stem cells in the bone marrow"
- 04/05 University of Chicago Cancer Biology Seminar Series, Chicago, IL "Hematopoietic stem cell niche"
- 04/16 Lady Davis Institute Distinguished Lecture Series, Montreal, Canada "The metabolic regulation of stem cells and cancer"
- 04/18 University of Michigan Graduate Course Lecture on Stem Cells and Regeneration, Ann Arbor, MI "Hematopoietic stem cell maintenance and leukemia development"
- 05/09 Dana Farber Cancer Institute BMT/HM Grand Rounds, Boston, MA "The hematopoietic stem cell niche"
- 05/31 American Aging Association Annual Meeting, San Francisco, CA "Osteoclast/α11 integrin signaling: a new mechanism for the maintenance of the aging skeleton"
- 06/10 Children's Hospital of Philadelphia at University Pennsylvania Normal & Malignant Hematopoiesis Seminar Series, Philadelphia, PA "Niche and metabolic regulation of hematopoietic stem cells"
- 06/17 Pezcoller Symposium, Enrico Mihich Lecture, Trento, Italy "The metabolic regulation of cancer progression"
- 08/23 International Society for Experimental Hematology Annual Conference, Brisbane, Australia "The identification of a peri-arteriolar niche for lymphoid progenitors and osteogenic progenitors in the bone marrow"
- 09/10 The Origin of Cancer Key Symposium, Stockholm, Sweden "Melanoma metastasis through lymph"

- 09/27 Cold Spring Harbor Laboratory Meeting on the Biology of Cancer: Microenvironment and Metastasis Conference, Cold Spring Harbor, NY “The metabolic regulation of melanoma metastasis”
- 10/21 Stanford Special Symposium Honoring Irving Weissman, Palo Alto, CA “The hematopoietic stem cell niche”
- 11/08 National Cancer Institute U01 Patient-Derived Models of Cancer PI Annual Meeting, San Francisco, CA “Metabolic regulation of melanoma metastasis”
- 11/15 University of Washington Institute for Stem Cell and Regenerative Medicine, Seattle, WA “Niches for stem cells and progenitors in bone marrow”
- 11/21 Rockefeller University Stem Cell Lecture Series, New York, NY “The hematopoietic stem cell niche”
- 11/22 Society for Melanoma Research Congress, Salt Lake City, UT “Melanoma metastasis through lymph”
- 2020 01/14 UC San Francisco Jonah Platt Stem Cell Seminar Lecture Series, San Francisco, CA “The hematopoietic stem cell niche”
- 02/24 Fred Hutchinson Cancer Research Center Perspectives in Science Seminar, Seattle, WA “The niche for hematopoietic stem cells”
- 04/23 Massachusetts General Hospital stem cell niche interest group, virtual seminar “The hematopoietic stem cell niche”
- 09/14 American Society for Bone and Mineral Research Aging Working Group, virtual seminar “New mechanisms that influence the maintenance of the adult skeleton”
- 09/25 Rockefeller University Philip Levine Memorial Lecture, virtual seminar “How the niche regulates blood and bone-forming stem cells in the marrow”
- 10/08 UC Los Angeles Broad Center for Regenerative Medicine and Stem Cell Research, virtual seminar “New mechanisms by which the niche protects stem cells”
- 10/16 AACR Special Conference in Epigenetics and Metabolism, virtual meeting “Lymph protects metastasizing melanoma cells from ferroptosis”
- 10/27 National Cancer Institute Age-Dependent Changes in Cancer Biology, Keynote, virtual meeting “Melanoma metastasis to lymph nodes; mechanisms and contributing factors”
- 10/30 VIB-KU Leuven Center for Cancer Biology, virtual talk “Melanoma metastasis”
- 11/05 National Cancer Institute U01 Patient-Derived Models of Cancer Consortium Annual Meeting, virtual meeting “Lymph Protects Metastasizing Melanoma Cells from Ferroptosis”
- 11/11 Howard Hughes Medical Institute Science Meeting in Cell and Developmental Biology, virtual meeting “Why Do Cancer Cells Tend to Metastasize First to Lymph Nodes?”
- 12/18 University of Iowa Holden Comprehensive Cancer Center Grand Rounds, virtual meeting “The regulation of melanoma metastasis”
- 2021 01/15 Harvard Stem Cell Institute, virtual seminar “How niches sustain stem cells: going beyond growth factors”
- 03/02 Frontiers in Blood, Cancer and Development: Systems to Medicine, virtual meeting “Niche biology: Beyond growth factors”
- 03/09 University of Pennsylvania Institute for Regenerative Medicine Symposium on Hematopoietic Stem Cells, virtual meeting “Stem cell niche regulation: beyond growth factors”
- 04/12 American Association for Cancer Research Annual Meeting Bayard D. Clarkson Symposium on Stem Cells, Leukemia, and the Niche, virtual meeting “Distinct niches for hematopoietic stem cells and progenitors in the bone marrow”
- 04/14 American Association for Cancer Research Annual Meeting Forum Panelist, virtual meeting “Are There Cancer Stem Cells?”
- 04/21 Keystone eSymposia on Hematopoiesis, virtual symposium “Niche biology: beyond growth factors”
- 05/03 Universidad Anahuac Querétaro, virtual seminar “Melanoma metastasis”

05/07	<u>Washington University Musculoskeletal Research Center, Keynote address</u> , virtual symposium, "Skeletal stem cells and niche biology in bone marrow"
05/25	<u>Ludwig Cancer Research Seminar</u> , virtual meeting "The regulation of melanoma metastasis"
06/04	<u>Tongji University Ray Wu Prize Award Ceremony, Keynote address</u> , virtual meeting, "Niches: beyond growth factors"
06/13	<u>European Hematology Association 2021 Congress</u> , virtual meeting "Why do cancer cells metastasize first to lymph nodes?"
06/22	<u>International Society for Stem Cell Research Annual Meeting, Ernest McCulloch Memorial Lecture</u> , virtual meeting "Niche biology: Beyond growth factors"
09/23	<u>National Institutes of Health Patient Derived Models of Cancer Consortium</u> virtual meeting, "Why do many cancer cells tend to metastasize first to lymph nodes?"
10/29	<u>Weill Cornell Medicine/Special Surgery Annual Alumni Association Meeting</u> , virtual meeting, "Skeletal Stem Cell Regeneration"
11/05	<u>MD Anderson Leading Edge of Cancer Research Symposium</u> , virtual meeting, "The regulation of metastasis"
11/15	<u>Till & McCulloch Annual Meeting (Virtual)</u> , "Niches beyond growth factors"
11/16	<u>Columbia University Institute for Cancer Genetics (Virtual) Seminar</u> , "The metabolic regulation of melanoma metastasis"
11/30	<u>Hallmarks of Skin Cancer (Virtual) Conference</u> , "Layered and redundant mechanisms to protect from oxidative stress during metastasis"
12/02	<u>Rockefeller University Stem Cell Biology (Virtual) Lecture Series</u> , "Hematopoietic stem cell niche"
12/03	<u>Forbeck Meeting</u> , Denver, CO "Layered and redundant mechanisms to protect against oxidative stress during metastasis"
12/16	<u>University of Nebraska Medical Center Eppley Cancer Institute</u> , virtual seminar, "The regulation of melanoma metastasis"
2022	
02/18	<u>Dana Farber/Brigham and Women's Cancer Center Melanoma Lecture Series</u> , virtual seminar, "The Metabolic Regulation of Melanoma Metastasis"
03/09	<u>Albert Einstein College of Medicine Cellular and Molecular Biology and Genetics Training Program</u> , virtual seminar "The hematopoietic stem cell niche: beyond growth factors"
03/14	<u>University of Hong Kong</u> , virtual seminar "Stem cell niche biology: beyond growth factors"
03/22	<u>Arthritis Web Seminar Series, Schroeder Arthritis Institute</u> , virtual seminar "The formation and maintenance of the adult skeleton"
03/25	<u>Vall d'Hebron Institute of Oncology</u> , virtual seminar "The regulation of melanoma metastasis"
04/01	<u>Netherlands Cancer Institute (NKI)</u> , virtual seminar "The regulation of melanoma metastasis"
04/12	<u>Stanford University Immunology Seminar Series</u> , Stanford, CA "The hematopoietic stem cell niche: beyond growth factors"
05/05	<u>Pontifical Academy of Sciences Workshop on Stem Cells and their Promise for Regenerative Medicine</u> , Vatican, Rome "Hematopoietic stem cell niche"
05/13	<u>Fusion Conference on Metabolism in Health and Disease</u> , Cancun, Mexico "Melanoma metastasis"
06/20	<u>Cold Spring Harbor Mouse Course</u> , Cold Spring Harbor, NY "The hematopoietic stem cell niche"
06/28	<u>Cancer Research UK Manchester Institute</u> , virtual seminar "Melanoma cells have layered and redundant mechanisms to protect them from oxidative stress during metastasis"
07/18	<u>Canadian Association of Oral & Maxillofacial Surgeons Annual Conference</u> , Reykjavik, Iceland "Stem Cells and the Formation and Maintenance of Bone"

- 08/05 University of Nebraska Department of Biochemistry and Molecular Biology Annual Research Symposium, Omaha, Nebraska "Stem cell niches aren't just for growth factors anymore"
- 08/19 Tsinghua University Institute for Immunology and Sun Yat-sen Medical School Department of Immunology and Microbiology Joint Symposium on Immunology, virtual seminar "Melanoma metastasis"
- 09/09 American Society for Bone and Mineral Research Annual Meeting, Austin, Texas "Mechanosensation in skeletal progenitors"
- 11/01 Dana Farber/Harvard Cancer Center Connect: Science Seminar Series, virtual seminar "Stem cell niches aren't just growth factors anymore"
- 11/10 Unifying FOP and Traumatic Heterotopic Ossification. Science + Families = A Cure, Dallas, Texas "The Maintenance and Formation of Bone"
- 11/11 Korean Society for Bone and Mineral Research, virtual seminar "The formation and maintenance of the adult skeleton"
- 11/15 American Association for Cancer Research, Special Conference on Cancer Metastasis, Portland, OR "Melanoma cells have layered and redundant mechanisms to protect them from oxidative stress during metastasis"
- 12/08 Southern California Rheum Talk Seminar Series, virtual seminar "The formation and repair of bone during adulthood"
- 12/14 Howard Hughes Medical Institute Science Meeting, Chevy Chase, MD "The regulation of bone marrow innervation and regeneration"
- 2023 02/08 Keystone Symposium on Stem Cells and Organoids, Keystone, CO "The regulation of bone marrow innervation and regeneration"
- 02/22 US/Japan Hematologic Symposium, Kohala, HI "Neural regulation of the hematopoietic stem cell niche"
- 03/07 Mount Sinai Seminar Series, New York, NY "The Maintenance of the Skeleton"
- 03/08 Massachusetts General Hospital Center for Cancer Research Seminar Series, Boston, MA "The hematopoietic stem cell niche"
- 03/21 Kansas University Cancer Center Seminar Series, Kansas City, KS "New mechanisms that regulate hematopoiesis and osteogenesis in the bone marrow"
- 04/04 Harvard Medical School, Cell Biology Department Seminar Series, Cambridge, MA "The hematopoietic stem cell niche"
- 04/17 American Association for Cancer Research Annual Meeting, Orlando, FL "The bone marrow niche for stem cells and metastasis"
- 04/27 University of Cincinnati College of Medicine, William J. Larsen Distinguished Lecture Series, Cincinnati, OH "Stem cells, hematopoiesis, osteogenesis, and cancer in the bone marrow"
- 05/08 Keystone Symposium on Metastasis, Vancouver, Canada "Regulation of metastasis by lipid metabolism"
- 05/18 Gordon Research Conference on Stem Cells and Cancer, Lucca, Italy "Lipid metabolism in stem cells and cancer cells"
- 05/31 Cold Spring Harbor Laboratory Symposium on Quantitative Biology, Cold Spring Harbor, NY "Leptin receptor+ cells promote bone marrow innervation and regeneration by synthesizing nerve growth factor"
- 06/30 China Medical University (Taiwan) Academician Forum Series, virtual seminar "Niches for hematopoiesis and osteogenesis in the bone marrow"
- 07/24 Orthopaedic Research Society, International Musculoskeletal Biology Workshop, Zermatt, UT "Stem Cells and Maintenance of the Adult Skeleton"
- 09/11 Heidelberg Symposium on Stem Cells and Cancer, Heidelberg, Germany "Cell-intrinsic and cell extrinsic mechanisms regulating stem cell self-renewal"
- 09/22 Biology of Cancer Meeting, Cold Spring Harbor Laboratory, NY "Therapeutic implications of the hematopoietic stem cell niche"

- 10/03 VIB Conference on Tumor Heterogeneity, Plasticity and Therapy, Leuven Belgium
“Therapeutic implications of the hematopoietic stem cell niche”
- 10/27 European Molecular Biology Organization Members Meeting, Heidelberg, Germany
“Harnessing the hematopoietic stem cell niche for better transplant outcomes”
- 10/30 The Tumor Landscape: Translating Mechanism to Therapy (TTL23) Conference, New York, NY “Therapeutic implications of the hematopoietic stem cell niche”
- 11/09 Stem Cell Biology Lecture at The Rockefeller University, New York, NY “Niche regulation of hematopoiesis and osteogenesis in the bone marrow”
- 11/14 Mayo Clinic Kendall-Hench Lecture in Endocrinology and Metabolism, Rochester, MN
“Niche regulation of hematopoiesis and osteogenesis in the bone marrow”
- 12/11 French Society for Stem Cell Research – Cancer Stem Cell Joint Webinar, “Niches for hematopoiesis and osteogenesis in the bone marrow”
- 12/14 Michigan Postdoctoral Pioneer Program Symposium, Ann Arbor, MI “Niches for hematopoietic stem cells and osteogenesis in the bone marrow”
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- 2024 01/11 The Regenerative Medicine Institute Seminar Series at Cedars-Sinai, Los Angeles, CA
“Niches for hematopoiesis and osteogenesis in the bone marrow”
- 01/26 The Musculoskeletal Institute at the University of Connecticut Health Seminar Series, virtual seminar “The maintenance of the adult skeleton”
- 03/08 Hematopoietic Stem Cell & Myelodysplastic Syndromes Symposium, MD Anderson, Houston, TX “The hematopoietic stem cell niche: implications for bone marrow transplantation and regeneration”
- 04/25 University College London Department of Cell and Development Biology, virtual seminar “The hematopoietic stem cell niche: implications for bone marrow transplantation and regeneration”
- 05/20 University of Michigan Saltiel Life Sciences Symposium, Ann Arbor, MI
“The hematopoietic stem cell niche: Implications for bone marrow transplantation and regeneration”
- 05/24 University of Helsinki, Science Day, Helsinki, Finland “The hematopoietic stem cell niche: Implications for clinical transplantation”
- 05/29 Columbia University Stem Cell Initiative Symposium, New York, NY “The hematopoietic stem cell niche: Implications for bone marrow transplantation and regeneration”
- 06/25 Metastasis Research Society Annual Meeting, London, United Kingdom “The metabolic regulation of metastasis”
- 09/30 EMBL Symposium, Heidelberg, Germany, “The regulation of melanoma metastasis”
- 11/04 Cell Research Symposium, Zhejiang University, China, “The hematopoietic stem cell niche: implications for bone marrow transplantation and regeneration.”
- 11/08 National Institute of Biological Sciences, Beijing, China. “The hematopoietic stem cell niche: implications for bone marrow transplantation and regeneration.”
- 12/06 2024 Myeloid Workshop, San Diego, California. “Adrenergic receptors regulate engraftment after hematopoietic stem cell transplants.”
- 12/08 American Society of Hematology Annual Meeting, San Diego, California.
“Microenvironment Regulation of Hematopoietic Stem Cells.”
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- 2025 02/16 European School of Haematology, London, United Kingdom “The hematopoietic stem cell niche and implications for clinical transplantation”
- 03/11 US/Japan/Australia Meeting - Hematologic Malignancies, Waimea, HI “The clinical implications of new insights from the HSC niche”
- 05/08 Keystone Symposium on Metabolic and Nutritional Control of Development and Cell Fate (T5), Beverly, MA “Metabolic regulation of hematopoiesis”

- 05/16 Hinterzartener Kreis of the DFG for Cancer Research, Lake Como Cancer Meeting, Cadenabbia, Italy "The hematopoietic stem cell niche and implications for clinical transplantation"
- 05/21 Hematopoietic Stem Cell and Myelodysplastic Syndromes Symposium, MD Anderson Cancer Center, Houston, TX "The stem cell niche and implications for clinical transplantation"
- 05/28 Cold Spring Harbor Laboratory Symposium on Senescence and Aging, Cold Spring Harbor, NY "Aging in the hematopoietic system"
- 06/12 Sanford Stem Cell Institute Seminar Series, University of California, San Diego "The hematopoietic stem cell niche and implications for clinical transplantation"
- 09/11 Ivan Damjanov Lecture in Stem Cell Research, University of Kansas Medical Center, Kansas City, KS "Hematopoietic stem cell activation and the regeneration of hematopoiesis"
- 10/21 Texas A&M University Seminar Series, College Station, TX "The hematopoietic stem cell niche and implications for clinical transplantation"
- 11/06 Rockefeller University Stem Cell Biology (Virtual) Lecture Series, "The hematopoietic stem cell niche"
- 11/18 Statler Endowed Distinguished Lecture, MD Anderson Cancer Center, Houston, TX "Hematopoietic stem cell activation and the regeneration of hematopoiesis"
- 2026 01/09 University of California, San Francisco Comprehensive Cancer Center Seminar Series, San Francisco, CA "Immune regulation of melanoma metastasis"
- 01/11 International Society for Stem Cell Research Nucleus Forum, Menlo Park, CA "Retrotransposons promote adult stem cell function and tissue regeneration"
- 01/23 17th Annual Weinman Symposium, University of Hawai'i Cancer Center, Honolulu, HI "Immune regulation of melanoma metastasis"
- 02/11 Montefiore Einstein Comprehensive Cancer Center Distinguished Lecture Series, Bronx, NY "Hematopoietic stem cell regeneration and implications for clinical translation"
- 02/25 Keystone Symposium on Hematopoiesis, Keystone, CO "Redox regulation of hematopoietic stem cells"
- 03/12 National Institutes of Health/National Cancer Institute, Laboratory of Cancer Biology and Genetics Seminar Series, Bethesda, MD "The regulation of metastasis"
- 04/07 University of Pennsylvania School of Veterinary Medicine Distinguished Lecture in Cancer Research, Philadelphia, PA "Immune regulation of metastasis"
- 04/17 40 Year Celebration of David J. Anderson's Lab at Caltech, Scientific Symposium, Pasadena, CA "Neural regulation of clinical outcomes after hematopoietic cell transplants"
- 05/06 Hematopoietic Stem Cell and Myelodysplastic Syndromes Symposium, MD Anderson, Houston, TX "Proteostatic regulation of hematopoietic stem cells"
- 05/20 University of California, San Francisco Seminars in Biomedical Sciences, San Francisco, CA "Hematopoietic regeneration and implications for clinical transplantation"
- 06/01 Oregon Health and Sciences University, Knight Cancer Institute, Basic and Translational Sciences Seminar Series, Portland, OR "Hematopoietic stem cell regeneration and implications for clinical transplantation"
- 06/25 The Jackson Laboratory Postdoctoral Association Seminar, Bar Harbor, ME "Hematopoietic stem cell activation and implications for clinical hematology"

Issued Patents

1. M. Csete, **S.J. Morrison**, B. Wold, D.J. Anderson. Low Oxygen Culturing of Neural Crest Stem Cells and Methods of Use, US Patent number 6,759,242 B1, Date of patent 07/06/2004

2. M.F. Clarke, **S. J. Morrison**, M. Wicha, and M. Al-Hajj. Isolation and Use of Solid Tumor Stem Cells, US Patent number 6,984,522 Date of patent 01/10/2006
3. M.F. Clarke, **S. J. Morrison**, M. Wicha, and M. Al-Hajj. Isolation and Use of Solid Tumor Stem Cells, US Patent number 7,115,360 B2, Date of patent 10/03/2006
4. O.H. Yilmaz, M.J. Kiel, **S.J. Morrison**, T. Iwashita. Hematopoietic Stem Cell Identification and Isolation, US Patent number 7,510,877 B2, Date of patent 03/31/2009
5. M.F. Clarke, **S. J. Morrison**, M. Wicha, and M. Al-Hajj. Isolation and Use of Solid Tumor Stem Cells, US Patent number 7,113,710 B2, Date of patent 05/11/2010
6. M.F. Clarke, **S. J. Morrison**, M. Wicha, and M. Al-Hajj. Isolation and Use of Solid Tumor Stem Cells, US Patent number 7,850,961 B2, Date of patent 12/14/2010
7. O.H. Yilmaz, M.J. Kiel, **S.J. Morrison**, T. Iwashita. Hematopoietic Stem Cell Identification and Isolation, US Patent number 7,919,316 B2, Date of patent 04/05/2011
8. **S.J. Morrison** and E. Kruger. Postnatal gut neural crest stem cells, US Patent number 8,043,853, Date of patent 10/25/2011
9. M.F. Clarke, **S.J. Morrison**, M. Wicha, and M. Al-Hajj. Isolation and Use of Solid Tumor Stem Cells, US Patent number 8,357,491 B2, Date of patent 01/22/2013
10. O.H. Yilmaz, M.J. Kiel, **S.J. Morrison**, T. Iwashita. Hematopoietic Stem Cell Identification and Isolation, US Patent number 8,383,404, Date of patent 02/26/2013
11. **S.J. Morrison**, J.K. Mich. Identification and Isolation of Neural Stem Cells and Neurosphere Initiating Cells, US Patent application number 15/308,671, Filing date 11/03/2016
12. M.F. Clarke, **S.J. Morrison**, M.S. Wicha, M. Al-Hajj. Isolation and use of solid tumor stem cells., US Patent number 9,492,538, Date of patent 11/15/2016
13. **S.J. Morrison**, E. Piskounova, and U. Eskiocak. Combination treatments for melanoma, US Patent number 9,561,245, Date of patent 02/07/2017
14. **S.J. Morrison** and U. Eskiocak. Treatment for melanoma, US Patent number 9,572,828, Date of patent 02/21/2017
15. **S.J. Morrison** and R. Yue. CLEC11a is a Bone Growth Agent, US Patent number 11,285,190, Date of patent 03/29/2022
16. **S.J. Morrison** and R. Yue. CLEC11a is a Bone Growth Agent, US Patent number 11,890,320, Date of patent 02/06/2024

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Peer-Reviewed Publications

1. Morrison, S.J., P.A. Nicholl, and P.R. Hicklenton. 1993. VA Mycorrhizal inoculation of landscape trees and shrubs growing under high fertility conditions. **Journal of Environmental Horticulture** 11:64-71.

2. Morrison, S.J., E. Lagasse, and I.L. Weissman. 1994. Demonstration that Thy^{lo} subsets of mouse bone marrow that express high levels of lineage markers are not significant hematopoietic progenitors. **Blood** 83:3480-3490. PMID 7515713
3. Morrison, S.J. and I.L. Weissman. 1994. The long-term repopulating subset of hematopoietic stem cells is deterministic and isolatable by phenotype. **Immunity** 1:661-673. PMID 7541305
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8. Morrison, S.J., A.M. Wandycz, H.D. Hemmati, D.E. Wright, and I.L. Weissman. 1997. Identification of a lineage of multipotent hematopoietic progenitors. **Development** 124:1929-1939. PMID 9169840
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