

Curriculum Vitae

Curt Ingraham Civin, MD
Associate Dean for Research, UMSOM
Director, Center for Stem Cell Biology & Regenerative Medicine
Professor, Pediatrics and Physiology
University of Maryland, School of Medicine

Date June 16, 2016

Contact Information

Business: University of Maryland, Baltimore
School of Medicine
655 W Baltimore Street, Room 14-021
Baltimore, MD 21201
Business Phone Number: (410) 706-1198/1181
Fax: (410) 706-4958
Email: ccivin@som.umaryland.edu

Education

1966–1970 BA, Magna cum Laude, Amherst College, Amherst, MA
1970–1974 MD, cum Laude, Harvard Medical School, Boston, MA

Post Graduate Education and Training

1967–1970 Independent Scholar and Research Assistant, Department of Biology, Amherst College,
1968–1970 Instructor and Assistant Director, NSF Summer Program in Biochemistry, The Loomis
Institute, Windsor, CT
1973–1974 Medical Student Elective Research, Division of Tumor Immunology (Stuart Schlossman,
MD), The Children's Cancer Research Foundation, Boston, MA
1974–1975 Intern in Pediatrics (PL-1), Children's Hospital Medical Center (Charles Janeway, MD),
Boston, MA
1975–1976 Resident in Pediatrics (PL-2), Children's Hospital Medical Center (Mary Ellen Avery, MD),
Boston, MA
1976–1978 Clinical Associate (Fellowship in Pediatric Hematology-Oncology), Immunology Branch
(John Wunderlich, MD), National Cancer Institute, National Institutes of Health, Bethesda,
MD
1978–1979 Investigator (Fellowship in Pediatric Hematology-Oncology), Pediatric Oncology Branch
(Arthur Levine, MD), National Cancer Institute, National Institutes of Health

Certificates

1979: Active Diplomate, American Board of Pediatrics (Certificate #23703)
1980: Active Diplomate, American Board of Pediatrics, Hem/Onc Subspecialty (Certificate #457)

Medical Licensures

1976: Active License to Practice Medicine, State of MD (#D0019331)

Military Service

1976-1979 Commissioned Officer, US Public Health Service

Employment History

Academic Appointments

1978–1979 Investigator, Pediatric Oncology Branch, National Cancer Institute, National Institutes of Health, Bethesda MD
1979–1984 Assistant Professor of Oncology and Pediatrics, The Johns Hopkins University School of Medicine, Baltimore, MD
1979–2009 Active Staff in Oncology and Pediatrics, The Johns Hopkins Hospital, Baltimore, MD
1984–1994 Associate Professor of Oncology and Pediatrics, The Johns Hopkins University School of Medicine
1994–2009 Professor of Oncology and Pediatrics, The Johns Hopkins University School of Medicine
2000-Present Adjunct Senior Investigator, Pediatric Oncology Branch, Division of Clinical Sciences, National Cancer Institute
2009–Present Adjunct Professor of Oncology, The Johns Hopkins University School of Medicine
2009–Present Professor of Pediatrics; Director, Center for Stem Cell Biology & Regenerative Medicine; Associate Dean for Research, University of Maryland School of Medicine, Baltimore, MD
2009–Present Active Staff in Pediatrics, University of Maryland Medical Center, Baltimore, MD
2010–Present Professor of Physiology (Secondary Appointment), University of Maryland School of Medicine, Baltimore, MD

Professional Society Membership

1980–Present American Association for Cancer Research
1981–Present American Society of Clinical Oncology
1981–Present American Association for the Advancement of Science
1982–2009 International Society for Experimental Hematology
1983–Present American Society of Hematology
1984–2009 Society for Pediatric Research
1984–2000 New York Academy of Sciences
1987–2010 Fellow of the American Academy of Pediatrics
1988–2000 Society for Analytic Cytometry
1989–2000 American Society of Pediatric Hematology–Oncology
1990–2000 Fellow, Royal Society of Medicine, England
1992–2010 American Society for Clinical Investigation (Young Turks)
1998–2009 American Society of Gene Therapy

Honors And Awards

1966 National Honor Society Scholarship, Amherst College
1970 Oscar E. Schotte Award and Scholarship in Biology, Amherst College
1970 Magna cum Laude, Amherst College
1970 Phi Beta Kappa, Amherst College
1970 Sigma Xi, Amherst College
1974 Cum Laude, Harvard Medical School
1974 Soma Weiss Award, Harvard Medical School
1980-1983 American Cancer Society Junior Clinical Faculty Fellow
1984-1989 Scholar Award, Leukemia Society of America
1986 Dr. Frederick Stohlman Award, Leukemia Society of America
1989 Distinguished Service Award for Leukemia Research, Leukemia Society of America National Capital Chapter
Multiple yrs Best Doctors in Baltimore, *Baltimore Magazine*

1993-2000	King Fahd Chair in Pediatric Oncology, Johns Hopkins University
Multiple yrs	Best Doctors in America, Woodward/White Inc.
1999	Hope Award, Leukemia Society of America, MD Chapter (award for extraordinary achievement)
1999	National Inventor of the Year Award, Intellectual Property Owners Association
2000-2009	Samuelson Chair in Cancer Research, Johns Hopkins University
2001	Innovator of the Year, The Leukemia Lymphoma Society of America, MD Chapter
2001-Present	America's Top Doctors, Castle Connolly Medical Ltd
2001	Doctor of Science (honorary), Amherst College, Amherst, MA
2004	Director's Teaching Award in Clinical Science, The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
2006	Return of the Child Award, Leukemia Lymphoma Society, Washington, DC (the Society's highest honor)
2008	David G. Marsh Genetics of Asthma and Allergic Diseases Award and Lecture
2009	Karl Landsteiner Memorial Award & Lectureship (American Association of Blood Banks)
2009	Influential Marylanders, <i>The Daily Record</i> , Baltimore, MD
2011	A "Top Doctor," <i>US News and World Report</i>
2011	The John L. Kellerman III Memorial Lecture (2011 Keynote), Maryland Stem Cell Research Fund Annual Meeting
2013	2013 Baltimore Jewish Hall of Fame, Gordon Jewish Community Center, Baltimore, MD
2015	2015 American Society of Hematology Mentor Award
2016	Honored for contributions to cancer cures during TerpsPlay4TheCure halftime presentation, University of Maryland Basketball game broadcast on ESPN
2016	Hometown Health Heroes section, Beyond Chicken Soup: Jews and Medicine in America exhibit, Jewish Museum of Maryland

Clinical Activities

Pediatric Hematology-Oncology Division: Research mentoring, leadership

Clinical Expertise

Pediatric oncology, childhood cancer, childhood leukemia, bone marrow transplantation (children)

Scope of Clinical Practice

Inactive since 2001

Development of Clinical Programs

1984-2000: Chief, Pediatric Oncology Division, Johns Hopkins University School of Medicine (JHUSM)
2009-Present Mentoring for Pediatric Hematology-Oncology Division, UMSOM

Administrative Service

Institutional Service

1984-2009	Cancer Center Executive Committee, Research Council, JHUSM
1984-1994	Medical Services Committee (Oncology), JHUSM
1984-2000	Department of Pediatrics Advisory Board (Section Chiefs, Children's' Center Operations Committee), JHUSM
1984-1986	Academic Affairs Committee (Pediatrics), JHUSM
1984-1986	Care Review Committee (Pediatrics), JHUSM

1984-2009	Coopersmith Visiting Professor Committee, JHUSM
1984-2000	Director, Pediatric Oncology Division, Johns Hopkins Oncology Center and Department of Pediatrics, JHUSM
1994-2007	Conflict of Interest Committee, JHUSM (Chair: 1996- 2006)
1995	Chairman, Search Committee for JHUSM Office of Technology Licensing Director
1995	Search Committee for JHUSM Director of the Department of Pediatrics
1996-2001	Professorial Promotions Committee, JHUSM
1996-1997	Search Committee for Director of the Division of Pediatric Hematology, JHUSM
1997-2000	Chairman, Faculty Appointment and Promotions Committee, Johns Hopkins Oncology Center, JHUSM
2000-2009	Co-Director, Division of Immunology & Hematopoiesis, Sidney Kimmel Comprehensive Cancer Center, JHUSM
2002-2009	Faculty, Cell & Molecular Medicine Graduate Program, JHUSM (2003-09: Admission Comm; 2005-09: Policy Comm, Financial Comm)
2009-Present	Greenbaum Cancer Center Flow Cytometry Facility Oversight Committee, UMSOM
2009-2010	Dermatology Endowed Chair (Professor) Search Committee, UMSOM
2009-Present	Associate Dean for Research, UMSOM
2009-2010	Pediatric Hematology-Oncology division chief Search Committee, UMSOM
2009-Present	Research Advisory Committee member, UMSOM
2009-Present	UMSOM Embryonic Stem Cell Research Oversight (ESCRO) Committee, <i>ex officio</i> member
2010	UMB Strategic Plan Committee member
2010-2012	Chair, UMSOM Faculty Excellence Recognition & Award Committee (FERAC)
2012-Present	UMSOM Research Executive Committee
2013	Search Committee Member, UM Transfusion Medicine Program Director
2013-Present	UMSOM Information Technology Affairs Advisory Committee (ITAAC), <i>ex officio</i> member
2013-Present	Member, Finance and Philanthropy Resource Advisory Group, UMSOM
2013-Present	Member, Institute for Bioscience and Biotechnology (IBBR) Scientific Advisory Committee, UM
2014-	Search Committee for the new Program Director in Biomolecular Engineering at the Institute for Bioscience and Biotechnology (IBBR), UM
2014-2016	Member, Institutional Setting Subcommittee (preparing for 2016 LCME site visit)

National Service

1980–1997	Core Member, Pediatric Oncology Group Myeloid Diseases Committee
1981–Present	Ad Hoc grant reviews, study sections, including chairs: Numerous NIH RO1, P01 and Cancer Center Study Sections; VA; DOD; American and Canadian Red Cross; March of Dimes; Leukemia Lymphoma Society; American Cancer Society; etc.
1983–1994	Co–Chairman, Pediatric Oncology Group Myeloid Diseases Committee
1983–1985	Chairman, Pediatric Oncology Group Tumor Biology Committee
1984–1986	Scientific Subcommittee on Pediatric Hematology, American Society of Hematology
1984–89, 2004	Consultant, Becton Dickinson
1986–1989	Editorial Board, <i>Experimental Hematology</i>
1987–1996	Editorial Board, <i>Hematologic Pathology</i>
1988–1992	Editorial Board, <i>Blood</i>
1989–1995	Scientific Advisory Board, Midwest Athletes Against Cancer, Medical College of Wisconsin (1992-95, Chairman)
1989–1992	Flow Cytometry Committee, National Committee for Clinical Laboratory Standards
1989–1991	Membership Committee, International Society for Experimental Hematology
1989–1990	Program Committee, American Society of Pediatric Hematology–Oncology
1989, 1991	Program Committee, American Society of Clinical Oncology
1989–1993	Young Investigators Award Selection Committee (grant review), American Society of Clinical Oncology (1991–92, Chairman)
1989–1991	Consultant, CytoMed, Inc. (formerly Hemagen, Inc.)

1990, 2008, 2009 Abstract Reviewer, American Society of Hematology
1990-1993 Consultant, Baxter HealthCare Immunotherapy Division
1990-1991 Executive Committee, Pediatric Oncology Group
1991-1993 Consultant, Biocyte Corporation
1991-1993 Scientific Advisory Board Member, Cytometry Associates
1992-1999 Editorial Board, *Journal of Hematotherapy*
1992-2004 Editorial Board, *Oncology News International*
1992-1994 Scientific Advisory Board Member, Cellco Inc.
1992-1994 Scientific Advisory Board Member, Immunicon Corp.
1993-1998 Editorial Board, *Communications in Clinical Cytometry*
1994-1996 Editorial Board, *Stem Cells*
1994-2001 Editorial Board, *Clinical Cancer Research*
1994-1998 Founding Scientist, Member of Board of Directors and Scientific Advisory Board, Gryphon Pharmaceuticals, Inc.
1994-1998 Scientific Advisory Board Member, Osiris Therapeutics, Inc.
1995-1998 Editorial Board, *Cell Transplantation*
1996-2017 Medical Advisory Board, the Sidney Kimmel Foundation for Cancer Research
1998-2000 Associate Editor, *Stem Cells*
1998-2009 Selection Committee for the Advanced Studies Program in Pediatric Oncology, National Institute of Health Pediatric Oncology Branch, Bethesda, MD
1999-2011 Leukemia Lymphoma Society, Medical and Scientific Committee (Advisory Board)
1999 Children's Cancer Center External Advisory Panel, The University of Texas Health Science Center at San Antonio
1999-2000 AACR Joseph H. Burchenal Clinical Research Award Committee
1999-2005 Prize Committee for the Alexandra J. Kefalides Prize for Leukemia Research
1999-Present Medical Advisory Board, Gabrielle's Angel Foundation for Cancer Research (Formerly the G&P Charitable Foundation for Cancer Research)
1999-2005 Scientific Advisory Board Member, VIRxSYS Corp.
2000-2007 Editor-in-Chief, *Stem Cells*
2000-2002 Committee Member, Biological and Environmental Research Advisory Committee, US Department of Energy
2001-2003 Scientific Advisory Board Member, Aura Oncology Corp.
2005-2007 Committee Member, Subcommittee D (Translational Studies), National Cancer Institute Initial Review Group
2005-2008 Scientific Advisory Board Member, Target-In Ltd
2007-2010 Chair, Career Development Program, Clinical Scholar & Fellow Awards, Leukemia Lymphoma Society
2007 Consultant, TEVA Pharmaceuticals
2008 Scientific Program Committee, 1st Annual Maryland Stem Cell Research Fund Meeting
2008-2015 Member, National Cancer Institute Board of Scientific Advisors (NCI BSA)
2008-2015 Member, National Cancer Institute Clinical Trials Advisory Committee (CTAC)
2009 Co-chair, World Stem Cell Summit
2009 Stem Cell Challenge Grant Distinguished Reviewers Panel, American Recovery and Reinvestment Act (ARRA)
2009-Present Member, Internal Advisory Board, Program Project Grant, University of Maryland, School of Medicine, Department of Pediatrics
2009-Present Chair, Scientific Advisory Board, GPB Inc
2009-2016 Member, Jefferson Kimmel Cancer Center External Scientific Committee
2010-2016 Member, Interdisciplinary Stem Cell Institute (ISCI) Scientific Advisory Board (SAB), Miller School of Medicine
2010-2012 Vice Chair, Medical-Scientific Committee, Leukemia Lymphoma Society
2010 Ad hoc expert, Extramural Advisory Board, National Advisory Council, National Institute of Alcohol Abuse and Alcoholism (NIAAA)
2010 Intramural Applications Review, NIH Center for Regenerative Medicine (NCRM)

2010-2015 2010	Scientific Advisory Board, SUNY Upstate Cancer Research Institute Scientific Program Committee and Opening Session Moderator, 3 rd Annual Maryland Stem Cell Research Fund Meeting
2010-Present	Member, Steering Committee, AAMC (Association of American Medical Colleges) Group on Research Advancement and Development (GRAND)
2011-Present	Member, BD Biosciences Stem Cell Grant Program Review Committee
2011-Present	Scientific Advisor, Next Healthcare Inc.
2012-Present	Member, Medical Board, Passano Foundation
2013	Member, NCI BSA ad hoc Subcommittee on HIV and AIDS Malignancy
2013	Member, Scientific Advisory Committee, Tissue Engineering and Regenerative Medicine International Society Americas (TERMIS-AM) 2013 Annual Meeting
2014	Chair, New York Stem Cell Grant Review Panel
2015	Member, American Association for the Advancement of Science (AAAS) research grant review committee for the Connecticut Regenerative Medicine Research Fund
2015-Present	Co-Chair, Medical Board, Passano Foundation
2015-2016	Member, Search Committee for the Scientific Director (SD), Center for Cancer Research (CCR), National Cancer Institute
2017-Present	Chair, Steering Committee, AAMC (Association of American Medical Colleges) Group on Research Advancement and Development (GRAND)

Teaching Service (UM: 2009-Present)

Undergraduate Student Teaching

Occasional lectures, University of Maryland College Park

Graduate Student Teaching

Lectures in several UM Graduate School courses, special lectures

Medical Student Teaching

MSTP Course "Molecules to Medicine": Session 1 of 2

Occasional UM lectures, special lectures

Resident and Fellow Teaching

Occasional lectures, UMSOM Greenebaum Cancer Center, Dept of Pediatrics, etc.

Post-Graduate Teaching

Primary Postdoctoral Laboratory Research Mentoring

2010-Present	Banerjee, Arnob	MD, PhD (K08)
2008-2013	Bharne, Shubhada	PhD
1983-1986	Brovall, Charlotte	MD
2005-2008	Burns, Kathleen	MD, PhD (K08)
2012-2014	Julian Candia	PhD
1992-1992	Champagne, Martin	MD
2009-2012	Chen, Xiaochun	PhD
2008-2015	Cheng, Wen-Chih	PhD
2009-2013	Cherukuri, Srujana	PhD
2004-2005	Chun, Jong Ho	MD
2012-2013	Crow, Michael	PhD (Visiting Professor, Sabbatical)
2001-2006	D'Costa, Jenice	PhD
2009-2012	Farrance, Iain	PhD (Visiting Professor, Sabbatical)
1996-1999	Felschow, Donna	PhD
1997-2000	Gao, Zhigang	PhD

2002-2008	Georgantas, Robert	PhD
2011-2012	Godsey, Brian	PhD
1988-1990	Gore, Stephen	MD
2000-2001	Gorin, N. Claude	MD (Visiting Professor, Sabbatical)
1994-1997	Gotze, Katharina	MD
2009-2011	Guo, Yin	PhD
2011-2012	Hildreth Richard	PhD
1993-2000	Hoehn, Gerard	PhD
1986-1988	Hurwitz, Craig	MD
1987-1990	Kastan, Michael	MD, PhD
2004-2009	Kashtan, Osnat	PhD
2011-Present	Kaushal, Sunjay	MD, PhD (K08)
2011-Present	Kingsbury, Tami	PhD
1999-2001	Kim, Hee-Je	MD, PhD
2008-2014	Kim, Min-Jung	PhD
1992-1993	Lee, Mi-Jeong	MD, PhD
1996-1998	Leung, Wing-Hang	MD, PhD
1999-2001	Lumkul, Rachata	MD, PhD
1985-1986	Minnitti, Caterina	MD
1979-1981	Mirro, Joseph	MD
2009-2011	Morisot, Sebastien	PhD
2004-2006	Nathanson, Mark	PhD (Visiting Professor, Sabbatical)
1996-1999	Novelli, Enrico	MD
1994-1998	Ramirez, Manuel	MD
2007-2014	Scheibner, Kara	PhD
1984-1986	Schwartz, Cindy	MD
1981-1984	Strauss, Lewis	MD
1999-2002	Tanavde, Vivek	PhD
2000-2003	Whartenby, Katharine	PhD
2011-2011	Wo, Songtao	PhD
1996-2000	Yang, Yandan	PhD
2001-2005	Yu, Xiaobing	MD
1989-1991	Zaman, Sarwar	PhD
2001-2007	Zambidis, Elias	MD, PhD (K08)

Primary Pre-doctoral Laboratory Research Mentoring

2003-2007	Alder, Jonathan	PhD
1984-1989	Fackler, Mary Jo	PhD
2011-2015	Fox, Jennifer	PhD
2007-2012	Heiser, Diane	PhD
2005-2010	Kaplan, Ian	PhD
1996-1998	Leung, Wing-Hang	MD, PhD
2004-2009	Morisot, Sebastien	PhD
2010-2014	Tan, Yee-Sun	PhD
1982-1985	Warren, Jonathan	PhD

Research Support (as of 6/16/2016)

ACTIVE

2014-MSCRFI-0663, Maryland Stem Cell Research Fund/TEDCO
Civin, Curt (PI)
06/30/14-06/29/17

Genetic modification of sickle cell disease in hematopoietic stem cells
Cas9-disrupt the BCL11A erythroid enhancer element to raise fetal hemoglobin in human red blood cells.

2015-MSCRFI-1717, Maryland Stem Cell Research Fund/TEDCO

Fisher,John/Civin,Curt (Multi-PI/PD) (PI)

06/30/15-06/29/18

Expansion of HSCs in a 3D Printed Bioreactor Containing MSCs as a Hematopoietic Microenvironment
Expand MSCs and HSCs in bioreactors.

R42CA174121, NIH/NCI

Sturm,James/Civin,Curt (Multi-PI/PD) (PI)

09/24/12-04/30/17

Microfluidic processing of leukocytes for molecular diagnostic testing
Optimize microfluidic chip-based processing of human blood leukocytes.

TRP#285855, Leukemia Lymphoma Society

Civin,Curt (PI)

10/01/13-09/30/16

Translational Research Award: Artemisinins for treatment of acute leukemias
Compare Artesunate vs Artemisinin-derived-dimer-838 for efficacy against acute myeloid leukemias.
Role: PI

No number, National Foundation for Cancer Research

Civin,Curt (PI)

01/01/13-12/31/16 (renewal pending)

NFCR Fellow Award

Support general laboratory infrastructure and specific research not specifically funded by any other source.

T32CA154274, NIH/NCI

Antalis,Toni/Civin,Curt (Multi-PI/PD) (PI)

07/01/11-06/30/16 (Renewal pending; impact score 20)

Training Grant in Cancer Biology

Lead post- and pre-doctoral Cancer Biology research training program.

No Number, Maryland Industrial Partnerships (MIPS)

Kingsbury,Tami (PI)

03/01/15-12/31/16

TheraCord Cord Blood Collection Device

Evaluate TheraCord's perfusion device for harvesting hematopoietic stem-progenitors from placentas.

Role: Co-Investigator

2013-MSCRFI-0158, Maryland Stem Cell Research Fund/TEDCO

Kaushal, Sunjay (PI)

06/30/13-06/29/16

Characterization of Cardiac Stem Cells in Neonates

Characterize endogenous cardiac stem cells from neonates.

Role: Co-Investigator

R01HL118491, NIH/NHLBI

Kaushal, Sunjay (PI)

04/01/14-03/31/19

Biological Characterization of Cardiac Stem Cells

Understand mechanisms of resident cardiac stem cell functional activity.

Role: Co-Investigator

R21CA184469, NIH/NCI

Webb, Tonya (PI)

06/12/15-05/31/17

Generation of NKT cells from adult stem cells for adoptive immunotherapy

Assess NKT cells generated from G-CSF mobilized blood from lymphoma and myeloma patients.

Role: Co-Investigator

2016-MSCRFE-2753 Maryland Stem Cell Research Fund/TEDCO

Kingsbury, Tami (PI)

6/1/16-5/31/18

Eyes Absent-1 (EYA1) as a novel hematopoietic stem-progenitor cell regulator

Test whether EYA1 can be manipulated to enhance HSPC expansion ex vivo.

Role: Co-Investigator

2016-MSCRFI-2794 Maryland Stem Cell Research Fund/TEDCO

Chiang, Christopher (PI) – Subaward to UMB Kingsbury, Tami (PI)

6/1/16-5/31/18

TheraCord Cord Blood Collection Device

Determine maternal cell contamination levels in HSPCs obtained by perfusion and optimize collection buffer for downstream HSPC function.

Role: Co-Investigator

Patents, Inventions, Copyrights

US Patent Publication # (or Patent Application # or Docket # for Pendings)	Publication Date	Filing Date	Title	Inventors
14/757,433	Pending	Dec 23, 2015	Treatment of leukemia with artemisinin derivatives and combinations with other antineoplastic agents	Civin, Curt; Chen, Xiaochun; Fox, Jennifer; Posner, Gary; Rudek, Michelle
US 20160168539	2016-06-16	Nov 16, 2015	High efficiency microfluidic purification of stem cells to improve transplants	Civin, Curt I. (Baltimore, MD); Sturm, James C. (Princeton, NJ); Austin, Robert H. (Princeton, NJ)
US 20150064153	2015-03-05	2014-03-14	High efficiency microfluidic purification of stem cells to improve transplants	Civin, Curt I. (Baltimore, MD); Sturm, James C. (Princeton, NJ); Austin, Robert H. (Princeton, NJ)
WO 2016019393 A1	2016-02-04	2015-08-03	Methods and systems for processing particles	Grisham, Michael (Richmond, VA); Civin, Curt I. (Baltimore, MD); Sturm, James C. (Princeton, NJ); Austin, Robert H. (Princeton, NJ); D'Silva, Joseph (Princeton, NJ); CHEN, Yu (Princeton,

				NJ)
US 20160139012	2016-05-19	Mar 14, 2014	Methods and devices for high throughput purification	D'SILVA, Joseph (Princeton, NJ); AUSTIN, Robert H. (Princeton, NJ); STURM, James C. (Princeton, NJ); CHEN, Yu (Princeton, NJ); CIVIN, Curt I. (Baltimore, MD)
EP 2971279 A2	2016-01-20	2014-03-14	Methods and devices for high throughput purification	D'SILVA, Joseph (Princeton, NJ); AUSTIN, Robert H. (Princeton, NJ); STURM, James C. (Princeton, NJ); CHEN, Yu (Princeton, NJ); CIVIN, Curt I. (Baltimore, MD)
CN 105247042 A	2016-01-13	2014-03-14	Methods and devices for high throughput purification	D'SILVA, Joseph (Princeton, NJ); AUSTIN, Robert H. (Princeton, NJ); STURM, James C. (Princeton, NJ); CHEN, Yu (Princeton, NJ); CIVIN, Curt I. (Baltimore, MD)
WO 2014145075 A9	2014-12-18	2014-03-14	Methods and devices for high throughput purification	D'SILVA, Joseph (Princeton, NJ); AUSTIN, Robert H. (Princeton, NJ); STURM, James C. (Princeton, NJ); CHEN, Yu (Princeton, NJ); CIVIN, Curt I. (Baltimore, MD)
US 20140342375	2014-11-20	2014-03-14	Microfluidic processing of leukocytes for molecular diagnostic testing	Grisham, Michael (Richmond, VA); Civin, Curt I. (Baltimore, MD); Sturm, James C. (Princeton, NJ); Austin, Robert H. (Princeton, NJ)
US 20160047735	2016-02-18	2014-03-14	On-chip microfluidic processing of particles	GRISHAM, Michael (Richmond, VA); CIVIN, Curt I. (Baltimore, MD); STURM, James C. (Princeton, NJ); AUSTIN, Robert H. (Princeton, NJ); D'SILVA, Joseph (Princeton, NJ); CHEN, Yu (Princeton, NJ)
EP 2971279 A2	2016-01-20	2014-03-14	On-chip microfluidic processing of particles	Grisham, Michael (Richmond, VA); Civin, Curt I. (Baltimore, MD); Sturm, James C. (Princeton, NJ); Austin, Robert H. (Princeton, NJ)
CN 105264127 A	2016-01-20	2014-03-14	On-chip microfluidic processing of particles	GRISHAM, Michael (Richmond, VA); CIVIN, Curt I. (Baltimore, MD); STURM, James C. (Princeton, NJ); AUSTIN, Robert H. (Princeton, NJ); D'SILVA, Joseph (Princeton, NJ);

				CHEN, Yu (Princeton, NJ)
WO 2014145152 A2	2014-09-18	2014-03-14	On-chip microfluidic processing of particles	GRISHAM, Michael (Richmond, VA); CIVIN, Curt I. (Baltimore, MD); STURM, James C. (Princeton, NJ); AUSTIN, Robert H. (Princeton, NJ); D'SILVA, Joseph (Princeton, NJ); CHEN, Yu (Princeton, NJ)
20100184032	2010-07-22	2009-06-04	Stem-progenitor cell specific micro-ribonucleic acids and uses thereof	Georgantas, Robert; (Towson, MD); Civin, Curt I. (Towson, MD); Calin, George Adrian (Columbus, OH); Croce, Carlo Maria (Columbus, OH)
US 7,799,528	2010-09-21	2005-08-09	Therapeutic and diagnostic applications of genes differentially expressed in lympho-hematopoietic stem cells	Civin, Curt I. (Baltimore, MD); Georgantas, Robert (Towson, MD)
US 7,767,202	2010-08-03	2002-03-18	Modulation of systemic immune responses by transplantation of hematopoietic stem cells transduced with genes encoding antigens and antigen presenting cell regulatory molecules	Pardoll, Drew M (Brookeville, MD); Cheng, Linzhao (Columbia, MD); Cui, Yan (New Orleans, LA); Civin, Curt I (Towson, MD); Whartenby, Katherine (Baltimore, MD)
20040131599	Jul 8, 2004	Feb 25, 2004	Fas ligand expressing hematopoietic cells for transplantation	Civin, Curt I (Towson, MD); Drachman, Daniel (Stevenson, MD); Whartenby, Katherine (Baltimore, MD); Pardoll, Drew M (Brookville, MD)
5,916,792	Jun 29, 1999	Jan 6, 1998	Protein tyrosine kinase, JAK3	Civin, Curt I. (Baltimore, MD); Small, Donald (Baltimore, MD); Safford, Meredith G. (Baltimore, MD)
5,705,625	Jan 6, 1998	Dec 15, 1994	Nucleic Acid Encoding novel protein tyrosine kinase	Civin, Curt I. (Baltimore, MD); Small, Donald (Baltimore, MD); Safford, Meredith G. (Baltimore, MD)
5,618,709	Apr 8, 1997	Jan 14, 1994	Antisense oligonucleotides specific for STK-1 and method for inhibiting expression of the STK-1 protein	Gewirtz, Alan M. (Philadelphia, PA); Small, Donald (Baltimore, MD); Civin, Curt I. (Baltimore, MD)
5,137,809	Aug 11, 1992	Jul 19, 1990	Method to determine the composition of bone marrow samples	Loken, Michael R. (Los Altos, CA); Civin, Curt I. (Baltimore, MD); Shah, Virendra O. (Cupertino, CA)
5,130,144	Jul 14, 1992	Mar 22, 1991	Human stem cells and monoclonal antibodies	Civin, Curt I. (Baltimore, MD)

5,081,030	Jan 14, 1992	Apr 25, 1989	Release of cells from affinity matrices	Civin, Curt I. (Baltimore, MD)
5,035,994	Jul 30, 1991	Sep 7, 1990	Human stem cells and monoclonal antibodies	Civin, Curt I. (Baltimore, MD)
4,965,204	Oct 23, 1990	Jun 1, 1987	Human stem cells and monoclonal antibodies	Civin, Curt I. (Baltimore, MD)
4,714,680	Dec 22, 1987	Feb 6, 1984	Human stem cells	Civin, Curt I. (Baltimore, MD)

Journal Articles

1. **Civin, C.I.**, Levine, H.B., Williamson, A.R., Schlossman, S.F. The Effects of Antigen Dose and Adjuvant on the Antibody Response: Amplification of Restricted B Cell Clones. *J Immunol* 116:1400–1406, 1976. PMID: 774983
2. Kripke, M.L., Thorn, R.M., Lill, P.H., **Civin, C.I.**, Pazmino, N.H., Fisher, M.D. Further Characterization of Immunologic Unresponsiveness Induced in Mice by UV Radiation: Growth and Induction of Non–UV–Induced Tumors in UV–Irradiated Mice. *Transplantation* 28:212–217, 1979. PMID: 91250
3. **Civin, C.I.**, Dorfman, N.A., Eggers, A.E., Fink, K., Penrose, D., Hsu, C.K., Wunderlich, J.R. Cell–Mediated Cytotoxic Responses of Spleen Cells From Mice Bearing Primary, Chemically–Induced Tumors. *J Immunol* 123:2550–2557, 1979. PMID: 159318
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32. Leung, W., Chen, A.R., **Civin, C.I.** Use of Purified Stem and Progenitor Cells for Transplantation. In Clinical Bone Marrow and Blood Stem Cell Transplantation, Second Edition (Atkinson, ed.), Cambridge University Press, New York, pp. 1191-1204, 2000
33. Leung, W. **Civin, C.I.** CD34+ Cell Selection Technologies. In Clinical Bone Marrow and Blood Stem Cell Transplantation, Second Edition (Atkinson, ed.), Cambridge University Press, New York, pp. 1205-1210, 2000.
34. Mason, D., Andre, P., Bensussan, A., Buckley, **Civin, C.I.**, Clark, E., De Haas, M., Goyert, S., Hadam, M., Hart, D., Horejsi, V., Jones, Y., Meuer, S., Morrissey, J., Schwartz-Albiez, R., Shaw, S., Simmons, D., Turni, L., Uguccioni, M., Van Der Schoot, E., Viver, E., Zola, H. Leukocyte Typing VII. 2002

35. Chen, A.R. **Civin, C.I.** Hematopoietic Cell Transplantation for Pediatric Solid Tumors. In Hematopoietic Cell Transplantation, Third Edition (Blume, Forman, Appelbaum, eds.), Blackwell Publishing, Oxford. pp. 1354-1368, 2004.
36. Kaplan, I.M., Morisot, S., **Civin, C.I.** Hematopoietic Stem Cells. In The Biomedical Engineering Handbook, Fourth Edition (Fischer, ed.), Boca Raton: CRC pp 9.1-9.13. 2012.
37. Farrance, I.K., **Civin, C.I.** (eds.) Special Issue: Biochemistry of Stem Cells. In Biochimica et Biophysica Acta 1830, 2013.

Major Invited Speeches

Local (2006-Present)

- 2006 Mid-Atlantic Blood Bank Association, Annapolis, MD.
Stem Cell Research & Implications for Humanity: Scientific Perspectives, Johns Hopkins University (JHU), Baltimore, MD
Research Matters Symposium, School of Medicine, University of Maryland Baltimore (UMB), Baltimore, MD
- 2007 Biennial Meeting/Reunion Weekend, The Johns Hopkins Medical and Surgical Association & The Johns Hopkins University, JHU, Baltimore, MD
Johns Hopkins University Dean's Lecture, JHU, Baltimore, MD
Post-Bacc Premed Program Lecture, JHU, Baltimore, MD
- 2008 Ethics Group Stem Cell Research Panel, JHU, Baltimore, MD
3rd David G. Marsh Genetics of Asthma & Allergic Diseases Award Lecture, JHU, Baltimore, MD
- 2009 "MicroRNA Maestros of Hematopoiesis, Leukemia Stem Cells and Fuzzy Plans for the New Center for Stem Cell Biology and Regenerative Medicine," University of Maryland, College Park (UMCP), College Park, MD
"MicroRNA Maestros of hematopoiesis, Leukemia Stem Cells and Fuzzy Plans for the New Center for Stem Cell Biology and Regenerative Medicine," Stem Cell Society, Baltimore, MD
"Vision for Stem Cell Research at University of Maryland Baltimore," UMGCC Cancer Center, UMB, Baltimore, MD
Diagnostic Radiology Grand Rounds, Department of Diagnostic Radiology and Nuclear Medicine, School of Medicine, UMB, Baltimore, MD
Keynote address – 8th Annual Science Symposium, Mentorship Scholars Program, Baltimore, MD
60th Anniversary, The Leukemia & Lymphoma Society, Maryland Chapter "Journey of Hope" Appreciation Dinner, Pikesville, MD
"Stem Cells: Hype vs. Reality, or Political Science," Board of Visitors, School of Medicine, UMB, Baltimore, MD
Johns Hopkins Alliance for Science and Technology Development and the University of Maryland, Baltimore Commercial Advisory Board Joint Meeting, Baltimore, MD
"Political Science of Stem Cells," BioEthics Lecture, School of Medicine, UMB, Baltimore, MD
- 2010 "MicroRNA Maestros of Hematopoiesis and Leukemia," Department of Pediatrics Grand Rounds, School of Medicine, UMB, Baltimore, MD
"How to Establish a Successful Independent Research Career," Office for Research Career Development, School of Medicine, UMB, Baltimore, MD
Ophthalmology Research Grand Rounds: "MicroRNA Maestros of Hematopoiesis & Leukemia," Department of Ophthalmology and Visual Sciences, School of Medicine, UMB, Baltimore, MD
"Stem Cell Stories," University of Maryland MSTP Retreat, Port Deposit, MD
Molecular Medicine Professor's Rounds, Graduate Program in Life Sciences (GPILS), School of Medicine, UMB, Baltimore, MD
Board of Visitors Orientation, School of Medicine, UMB, Baltimore, MD
- 2011 "MicroRNA Maestros of Hematopoiesis and Leukemia," Department of Pediatrics Grand Rounds, School of Medicine, UMB, Baltimore, MD
"How to Establish a Successful Independent Research Career," Office for Research Career Development, School of Medicine, UMB, Baltimore, MD

- “Issues and Challenges in Faculty Research Evaluation: Creating an Environment for Research Excellence,” HSHS Library Scholarly Communication Series, UMB, Baltimore, MD
- “UMSOM Center for Stem Cell Biology & Regenerative Medicine,” University of Maryland Medical System Board Meeting, UMB, Baltimore, MD
- Session Chair, Second Annual Hales Lung Conference on Lung Repair, Regeneration and Replacement, UMB, Baltimore, MD
- “MicroRNA Maestros of Hematopoietic Stem-progenitor Cells and Projects from the Center for Stem Cell Biology & Regenerative Medicine,” Session Chair and Speaker, Korea-Maryland USA Bio Expo 2011, Baltimore, MD
- 2012 “A Life Celebrating our Shared Humanity – The Continuum: From Fortune to Henrietta Lacks and Beyond,” Enoch Pratt Free Library, Panelist, Baltimore, MD
- “MicroRNA Maestros of Hematopoiesis,” Anesthesiology Grand Rounds, UMSOM, Baltimore, MD
- “MicroRNA Maestros of Hematopoiesis,” Pediatrics Grand Rounds, UMSOM, Baltimore, MD
- 2013 “How to Develop a Funding Plan for Your Research and Lab; Role of NIH Funding; Other Sources of Funding (Advantages, Disadvantages),” Scientific Leadership & Professional Development Symposium for Basic Science and Translational Researchers, UMSOM, Baltimore, MD
- “The Passano Foundation Award Lecture,” Introduction of 2013 Awardee, Rudolf Janenisch, MD Johns Hopkins University (JHU), Baltimore, MD
- “Workshop on Improved Characterization of Mesenchymal Stem Cells for Clinical Trials,” Session Co-Chair and Co-Organizer, University of Maryland Center for Excellence in Regulatory Science and Innovation, Baltimore, MD
- “MicroRNA Maestros of Hematopoiesis and Leukemia,” Opening Special Topics Lecture on Stem Cell Technology for the GPILS core graduate school course, UMSOM, Baltimore, MD
- “Festival of Science,” Session moderator, UMSOM
- 2014 “MicroRNA Maestros of Hematopoiesis and Leukemia,” Veterans Affairs Multiple Sclerosis Center for Excellence Seminar Series, Baltimore, MD
- “Medical Scientist Training Program (MSTP) Monthly Physician Scientist Seminar” Session Speaker, UMSOM, Baltimore, MD
- “Festival of Science,” Session moderator, UMSOM
- 2015 “Artemisinins for treatment of acute leukemias,” The Leukemia & Lymphoma Society Journal of Hope Ambassadors Dinner, Pikesville, MD
- “Breakthroughs in Stem Cell Research and Regenerative Medicine,” University of Maryland School of Medicine Medical Symposium: Innovation and Discovery, Community College of Baltimore County, Owings Mills, MD
- “Repurposing Artemisinin Anti-Malarials for Acute Leukemia Treatment,” Pediatric Research Seminar Series, UMSOM, Baltimore, MD
- “Hematopoietic Stem Cells for Transplantation/Transfusion,” Opening Special Topics Lecture on Stem Cell Technology for the GPILS core graduate school course, UMSOM, Baltimore, MD
- “Festival of Science: Understanding Disorders of the Brain,” Session I moderator, UMSOM
- 2016 “Opportunities for Surgeons in Clinical and Translational Research: Opportunities for Stem Cell Research Collaborations,” Charles Getz Memorial Lectureship and Research Retreat, UMSOM, Baltimore, MD
- “Artemisinins for Treatment of Acute Leukemias,” Leukemia & Lymphoma Society of Maryland Research Breakfast, Baltimore, MD

National

- 1983 Ohio State University, Columbus, OH
 University of Florida, Gainesville, FL
 Harvard University, Boston, MA
 Smith–Kline–Beckman, Philadelphia, PA
 University of Chicago, Chicago, IL
 Becton Dickinson Monoclonal Center, Mountain View, CA
 Dartmouth Medical School, Hanover, NH
 University of Maryland at Baltimore, Baltimore, MD

- NCI/NIH, Bethesda, MD
Suburban Hospital, Bethesda, MD
Armed Forces Radiobiologic Research Institute, Bethesda, MD
- 1984 Prevention and Detection of Cancer, Miami, FL
- 1985 American Society of Hematology, New Orleans, LA
- 1986 Leukemia Society of America, Tampa, FL
American Society of Hematology, San Francisco, CA
Becton Dickinson Monoclonal Center, Mountain View, CA
The 5th Annual Congress for Hybridoma Research, Baltimore, MD
- 1987 Leukemia Society of America, San Diego, CA
North Shore Hospital, Manhasset, NY
American Society of Hematology, Washington, DC
- 1988 Leukemia Society of America, Crystal City, VA
University of Pennsylvania, Philadelphia, PA
Working Symposium on Clinical and Biomedical Cytometry, Chicago, IL
Society for Analytic Cytometry Meeting, Breckenridge, CO
American Society of Hematology, San Antonio, TX
- 1989 Leukemia Society of America, Washington, DC
FASEB; Vermont Academy, Saxons River, VT
American Society of Hematology, Atlanta, GA
- 1990 MD Anderson Cancer Center, Houston, TX.
Pediatric Oncology Group meeting, Orlando, FL
Baxter–Fenwal Co., Santa Ana, CA
Hemagen Inc., Framingham, MA
Gene Transfer Inc., Gaithersburg, MD
- 1991 Baxter Healthcare, Chicago, IL
University of CT Health Center, Farmington, CT
3rd International Conf on Bone Marrow Purging and Processing, San Diego, CA
Life Technologies Inc., Gaithersburg, MD
- 1993 Case Western Reserve University, Cleveland, OH
American Society of Pediatric Hematology Oncology, Chicago, IL
Northwestern University's 4th Annual Malnati Symposium, Chicago, IL
5th International Conference on Human Leukocyte Differentiation Antigens, Boston, MA
American Society of Hematology, St. Louis, MO
- 1994 Brookhaven National Laboratory, Upton, NY
American Society of Hematology, Nashville, TN
National Cancer Institute, Bethesda, MD
- 1995 The NY Academy of Sciences, Orlando, FL
University of Pennsylvania, Philadelphia, PA
Case Western Reserve University, Cleveland, OH
University of Michigan, Ann Arbor, MI
- 1996 Keystone Symposium: "Tissue Engineering", Taos, NM
The Banbury Center, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- 1997 The American Pediatric Society/The Society for Pediatric Research, Washington, DC
American Society of Clinical Oncology, Denver, CO
- 1998 The American Society of Gene Therapy, Seattle, WA
2nd Conference on Stem Cell Gene Therapy: Biology and Technology, Orcase Island, WA
American Society of Hematology, Miami Beach, FL
- 1999 University of Florida, Gainesville, FL
Quality Biological, Inc., Washington, DC
Coriell Institute for Medical Research, Camden, NJ
- 2000 Mount Sinai School of Medicine, New York, NY
Memorial Sloan Kettering, New York, NY
13th International Symposium on the Treatment of Leukemia and Cancer, New York, NY

- 2001 University of Virginia, Charlottesville, VA
Keystone Symposia, Keystone, CO
FASEB Summer Research Conference, Snowmass, CO
- 2002 The New York Academy of Medicine, New York, NY
American Society of Hematology, Philadelphia, PA
- 2003 Frontiers in Human Embryonic Stem Cells Symposium, Pittsburgh, PA
American Association for Cancer Research, Washington, DC
National Foundation for Cancer Research, Scottsdale, AZ
- 2005 Seminar, Center for Regen Biology, UCONN, Hartford, CT
Medical Oncology Grand Rounds, MD Anderson Cancer Center, Houston, TX
- 2006 George Washington University, Stem/progenitor Cell Research Seminar, Washington, DC
Visiting Professor, Institute for Cellular Therapeutics, University of Louisville, Louisville, KY
Grand Rounds, Cancer Institute of New Jersey, New Brunswick, NJ
Cold Spring Harbor Stem Cell Course, Cold Spring Harbor, NY
- 2007 "Stem Cell Research & Controversies," World Presidents' Organization Metro NYC Chapter, New York, NY
"MicroRNA Maestros of Hematopoiesis," Cancer Institute of New Jersey Director's Seminar, New Brunswick, NJ
- 2008 "MicroRNA Maestros of Hematopoiesis," Molecular Medicine Seminar, Children's Hospital of Pittsburgh, Pittsburgh, PA
Governor's Conference on Cancer, Princeton, NJ
- 2009 "MicroRNA Regulation of Hematopoietic Stem Cells and Leukemias," National Cancer Institute CCR Cancer Stem Cell Consortium Annual Retreat, Washington, DC
"Keynote address: CD34 Stem Cell Stories and Lessons from the CD34 Wars," American Association of Blood Banks' Karl Landsteiner Memorial Award & Lectureship, New Orleans, LA.
2nd Annual Stem Cell Symposium, UMB, Baltimore, MD
- 2010 "MicroRNA Maestros of Hematopoiesis," BMT Seminar, University of Minnesota, Minneapolis, MN
"Commercializing Stem Cell-Based Therapies: Meeting FDA and Other Requirements," BIO Annual meeting, Chicago, IL
"MicroRNA Maestros of Hematopoiesis and Leukemia," Cancer Center Opening Symposium Keynote, Syracuse University, Syracuse, NY
"MicroRNA Maestros of Hematopoiesis and Leukemia," (and session chair) Maryland Stem Cell Research Foundation 3rd Annual Symposium, Gaithersburg, MD
"MicroRNA Maestros of Hematopoiesis and Leukemia," Department of Molecular Pharmacology and Experimental Therapeutics, Mayo Clinic, Rochester, MN
"MicroRNA Maestros of Hematopoiesis," Scientific Symposium, American Society of Hematology Annual Meeting, Orlando, FL
"Hematopoietic Stem Cells as a Model System," AAMC Council of Deans Plenary Symposium on Stem Cell Biology & Regenerative Medicine, AAMC Annual Meeting, Washington, DC
"Advancements in Blood Cancer Research Supported by the Foundation," Gabrielle's Angels Foundation for Cancer Research Medical Symposium, New York, NY
- 2011 "Stem Cells: A Physician-Scientist's View," Gerald R. Fink '62 Bioscience Symposium, Amherst College, Amherst, MA
"Hematopoietic Stem Cells and Cancer," Frontiers in Stem Cells in Cancer Course, Howard University, Washington, DC
"Federal Legislative, Policy and Regulatory Update: Outlook for Research," Session Moderator, Group on Research Advancement and Development (GRAND) 2011 Annual Meeting
"Transforming Academic Research: Building Institutional Support to Foster Innovation and Improve Health", Arlington, VA
"Success Stories: Bioscience Entrepreneurship from the Perspective of Current & Former University Faculty," Symposium on Biotech Entrepreneurship, Virginia Biotechnology Research Park, Richmond, VA.
"CD34 Stories and MicroRNA Maestros of Hematopoietic Stem-Progenitor Cells," Seminar for Virginia Commonwealth University School of Medicine MD/PhD Students, Richmond, VA

- “Development of Drugs that Upregulate Leukemia Tumor Suppressor MicroRNAs,” William Lawrence & Blanche Hughes Foundation Grantees Retreat, Lexington, KY
- “CD34 Stories and MicroRNA Maestros of Hematopoietic Stem-progenitor Cells,” Maryland Stem Cell Research Fund Annual Meeting, The John L. Kellerman III Memorial Lecture (Keynote), Towson MD
- 2012 “Hematopoietic Stem Cells and Cancer,” Frontiers in Stem Cells in Cancer Course, Howard University, Washington, DC
- “Innovation in Health Care – Bringing Health Care into the 21st Century,” The A. Alfred Taubman Forum on Public Policy, Brookings Institute, Washington, D.C.
- “Toward clinical therapies using stem cells: lessons from hematopoietic stem cells,” STEP Forum: “Stem Cell Therapy: Hype and Reality,” NIH, Bethesda, MD
- “Regenerative Medicine: Breakthroughs in Business Models and Technology,” Panelist for the 2012 Mid-Atlantic Bio Conference, Bethesda, MD
- “How Stem Cells Are Transforming Medicine,” Panelist in Plenary Panel Discussion, 2012 World Stem Cell Summit, Palm Beach, FL
- “Stem Cell Science – Cancer,” 2012 World Stem Cell Summit, Palm Beach, FL
- “CD34 Stem Cell Stories and Lessons from the CD34 Wars,” Pathology Grand Rounds, The Johns Hopkins University School of Medicine, Baltimore, MD
- “Research Plays a Huge Role in Medical Education,” Academic Medicine and Research Interest Group (AMRIG), Baltimore, MD
- 2013 “MicroRNA Maestros of Hematopoiesis and Leukemia,” Brown Foundation Institute of Molecular Medicine Seminar Series, University of Texas Health Science Center, Houston, TX
- “MicroRNA Maestros of Hematopoiesis and Leukemia,” Genetics Branch Seminar Series, NCI/NIH, Bethesda, MD
- “Support for Research Infrastructure,” Session Moderator, Association of American Medical Colleges (AAMC) Group on Research Advancement and Development (GRAND) 2013 Annual Meeting, Washington, DC
- “The Ethical Issues Surrounding Non-Financial Conflicts of Interest,” AAMC Forum on Conflict of Interest in Academe (FOCI) Meeting, Baltimore, MD
- “Progress and Vision of Stem Cell Research in Maryland,” presentation to TEDCO Board, Columbia, MD
- 2014 “CD34 Wars and MicroRNA Maestros of Hematopoiesis and Leukemia,” Department of Medicine Research Seminar Series, Uniformed Services University of the Health Sciences (USUHS), Bethesda, MD
- “MicroRNA Maestros of Hematopoiesis and Leukemia,” Seminar Series, National Center for Regenerative Medicine (NCRM) and the Stem Cell Interest Group (SCIG), National Institutes of Health (NIH), Bethesda, MD
- “MicroRNA Regulation of Human Hematopoietic Stem-Progenitors,” Maryland Stem Cell Research Fund Annual Meeting, Plenary Session, Silver Spring, MD
- 2015 “CD34 War Stories and MicroRNA Maestros of Hematopoiesis and Leukemia,” 2014-2015 David Seegal Alpha Omega Alpha Visiting Professorship and Lecture, Dean’s Lecture Series, Columbia University Medical Center, New York, NY
- “Repurposing Artemisinin Anti-Malarials for Acute Leukemia Treatment,” Pediatric Grand Rounds, Columbia University Medical Center, New York, NY
- “Role of AAMC Institutions in Medical Innovation,” Senate Health, Education, Pensions, and Education (HELP) Committee briefing on the roles of NIH and FDA in enhancing the process for getting safe treatments, devices, and cures to patients (provided academic medicine’s perspective on innovation and medical research and then fielded questions from 30 Senate participants), Washington, DC
- “Scientists and Development Officers: Building the Partnership,” Session Chair and speaker, 2015 AAMC GREAT and GRAND Groups Professional Development Meeting, Baltimore, MD
- “Facilitating Research Interactions between Medical School Faculty and Industry,” Session leader, Meeting-on-the-Fly, 2015 AAMC GREAT and GRAND Groups Professional Development Meeting, Baltimore, MD

- “University of Maryland School of Maryland Welcome to the AAMC GREAT Group and GRAND Professional Development Meeting,” Discussion leader, Baltimore, MD
Library User Panelist, Association of Academic Health Sciences Libraries’ annual meeting educational program, Baltimore, MD
- 2016 “Manipulating hematopoiesis and killing leukemias,” Translational Research Conference, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University, Baltimore, MD

International

- 1983 University of Toronto, Toronto Canada
- 1984 Special Symposium on Immunodiagnosis of Lymphoma/Leukemia, Vienna, Austria
- 1986 Royal Free British Hospital, London, England
Institute of Cancer Research, London, England
Great Ormond Street Hospital, London, England
Hammersmith Hospital, London, England
Pharmacia Co., Uppsala, Sweden
- 1987 Leukemia Research Fund, London, England
Joint symposium of the British Societies of Hematology and Immunology Annual Meetings, Oxford, England
- 1988 International Academy of Pathology, Dublin, Ireland
- 1989 Ontario Cancer Center, Toronto, Canada
4th International Leucocyte Differentiation Antigen Workshop, Vienna, Austria
Second International Conference on Bone Marrow Purging and Processing, Cancun, Mexico
- 1990 3rd International Symposium on Minimal Residual Disease in Acute Leukemia, The Netherlands
Boots Pharmaceutical Co., Nottingham, England
The Hanson Symposium, Adelaide, Australia
- 1991 Universite de Montreal, Montreal, Canada
International Symposium on Immunological Diagnosis and Therapy in Cancer, Tromso, Norway, University of Heidelberg, Heidelberg, Germany
2nd International Symposium on Peripheral Blood Stem Cell Autografts, Mulhouse, France
International Symposium on Immunological Diagnosis and Therapy in Cancer, Tromso, Norway
- 1992 10th Annual Congress of the Nordic Society of Pediatric Hematology and Oncology, Tromso, Norway
- 1993 7th Annual Oncology Day Symposium at Hopital Ste–Justine, Montreal, Canada
3rd International Symposium on Peripheral Blood Stem Cell Autografts, Bordeaux, France
- 1994 2nd Annual Symposium of the Danish Cancer Society, Copenhagen, Denmark
- 1996 Lecture to Nicaragua Medical School Student Body as Guest of Donia Violetta Chomorro, President of Nicaragua, and the Ministry of Health, Managua, Nicaragua
Ministry of Health, Manama, Bahrain
Kuwait Minister of Health, Kuwait City, Kuwait
- 1997 International Center for Biotechnology, Stockholm, Sweden
Workshop Pediatric Oncology and Immunology, Munich, Germany
- 1998 11th Symposium of Molecular Biology of Hematopoiesis, Bormio, Italy
- 1999 Guy’s-St. Thomas Exchange Professor, King’s College Hospital, London, England. John Radcliffe Hospital, Oxford, England
10th annual Peripheral Blood Stem Cell Transplantation Symposium, Mulhouse, France
- 2000 7th Workshop Conference on Human Leucocyte Differentiation Antigens, Harrogate, England
- 2003 International Society of Experimental Hematology, Paris, France
Frankel Research Center Inaugural Conference on Hematopoietic Stem Cell Biology, Israel
- 2004 Seoul Stem Cell Symposium, Seoul, Korea
- 2005 10th Kozukata Hematology Session: Kyoto, Tokyo and Morioka, Japan
- 2006 Cancer Research UK Seminar, London, England
EESCN Symposium, Cambridge, England

- 2009 "Stem Cells: Myths and Realities," King Edward VII Memorial Hospital Grand Rounds, Bermuda
"MicroRNA Maestros of Hematopoiesis," Hospital Saint-Antoine Grand Rounds, Université de Paris, Paris, France
- 2011 "Keynote address: CD34 Stem Cell Stories and Lessons from the CD34 Wars," European Group for Blood and Marrow Transplantation (EBMT), Paris, France
"Plenary Lecture: CD34 Stem Cell Stories and Lessons from the CD34 Wars," 16th Summer Meeting of the Korean Society of Blood and Marrow Transplantation, Busan, Korea