

CURRICULUM VITAE

September 23, 2021

Jason Hall Moore

CURRENT POSITIONS

11/21- Chair, Department of Computational Biomedicine, Cedars-Sinai Medical Center

PROFESSIONAL CONTACT INFORMATION

Business Address: Department of Computational Biomedicine
Cedars-Sinai Medical Center
8799 Beverly Blvd., Los Angeles, CA 90048

EDUCATION

8/91 B.S., Biological Sciences, Florida State University
5/94 M.S., Human Genetics, University of Michigan
5/98 M.A., Applied Statistics, University of Michigan
5/99 Ph.D., Human Genetics, University of Michigan

PREVIOUS POSITIONS

1/99-6/03 Assistant Professor, Department of Molecular Physiology and Biophysics, School of Medicine, Vanderbilt University
1/99-7/04 Director, Bioinformatics Core, School of Medicine, Vanderbilt University
8/01-7/04 Director, Graduate Program in Applied Statistics, Vanderbilt University
7/03-7/04 Associate Professor (with tenure), Department of Molecular Physiology and Biophysics, School of Medicine, Vanderbilt University
7/03-7/04 Director, Advanced Computing Center for Research and Education (ACCRES), Vanderbilt University
8/04-7/08 Associate Professor, Department of Genetics, School of Medicine, Dartmouth College
8/04-7/08 Associate Professor, Department of Community and Family Medicine, Dartmouth College
8/04-7/15 Director, Bioinformatics Core, School of Medicine, Dartmouth College
8/04-7/08 Associate Professor (affiliate), Department of Computer Science, University of New Hampshire
8/05-7/08 Associate Professor (adjunct), Department of Computer Science, University of Vermont
8/08-2/15 Professor (with tenure), Department of Genetics, School of Medicine, Dartmouth College

- 8/08-2/15 Professor (with tenure), Department of Community and Family Medicine, School of Medicine, Dartmouth College
- 8/08-2/15 Investigator (adjunct), Translational Genomics Research Institute, Phoenix
- 8/08-2/15 Professor (affiliate), Department of Computer Science, University of New Hampshire
- 8/08-2/15 Professor (adjunct), Department of Computer Science, University of Vermont
- 1/09-2/15 Professor (adjunct), Department of Psychiatry, Brown University
- 8/10-2/15 Director, Institute for Quantitative Biomedical Science, School of Medicine, Dartmouth College
- 8/10-2/15 Director, Ph.D. Training Program in Quantitative Biomedical Science, School of Medicine, Dartmouth College
- 8/10-2/15 Associate Director for Bioinformatics, Norris-Cotton Cancer Center, School of Medicine, Dartmouth College
- 3/15-10/21 Professor, Department of Biostatistics, Epidemiology, and Informatics (with tenure), Perleman School of Medicine, University of Pennsylvania
- 3/15-10/21 Professor, Department of Genetics (with tenure), Perleman School of Medicine, University of Pennsylvania
- 3/15-10/21 Director, Institute for Biomedical Informatics (IBI), Perleman School of Medicine, University of Pennsylvania
- 3/15-10/21 Director, Division of Informatics, Department of Biostatistics, Epidemiology, and Informatics (with tenure), Perleman School of Medicine, University of Pennsylvania
- 3/15-10/21 Senior Associate Dean for Informatics, Perleman School of Medicine, University of Pennsylvania
- 3/15-10/21 Professor of Computer and Information Sciences (secondary), School of Engineering and Applied Science, University of Pennsylvania
- 3/15-10/21 Member (secondary), Department of Biomedical and Health Informatics, The Children's Hospital of Philadelphia

PROFESSIONAL ACTIVITIES

Other Committee Services:

- 1997-1998 Awards Committee, Department of Human Genetics, University of Michigan
- 1999-2001 Coordinator, Genetics Interest Group, Vanderbilt University
- 1999-2004 Member, Core Oversight Board, Center for Human Genetics Research, Vanderbilt University
- 1999-2000 Treasurer, American Statistical Association, Middle Tennessee Chapter
- 2000 Organizer and Moderator, Workshop on Statistical Genomics: Making Sense of All the Data, Vanderbilt University
- 2001-2002 President, American Statistical Association, Middle Tennessee Chapter
- 2001 Scientific Committee, Critical Assessment of Microarray Data Analysis (CAMDA-2001) conference, Duke University
- 2001 Grant Reviewer, Medical Research Council (MRC), United Kingdom
- 2001-2002 Trans-Institutional Bioinformatics Recruiting Team, Vanderbilt University

2002 Organizer, Workshop on Sequence Mining, Vanderbilt University

2002-2004 Research Advisory Committee for Information Technology, Vanderbilt University

2002 Grant Reviewer, Genome Canada, Canada

2002-2005 Grant Reviewer, National Center for Research Resources, NIH

2002-2005 Program Committee, European Workshop on Evolutionary Bioinformatics

2003 Grant Reviewer, National Institute of Allergy and Infectious Disease, NIH

2003-2005 Scientific Committee, Workshop on Grammatical Evolution

2003-2006 Organizer and Chair, Workshop on Biological Applications of Genetic and Evolutionary Computation

2003-2003-2004 Scientific Committee, Genetic and Evolutionary Computation Conference

2003-2004 Reviewer, American Cancer Society Institutional Research Grants, Vanderbilt University

2003-2004 Bioinformatics Search Committee, Vanderbilt University

2003-2004 Information Technology Executive Committee, Vanderbilt-Ingram Cancer Center

2003-2004 Large Lecture Course Project Taskforce, Vanderbilt University

2003-2004 Executive Board, Program in Biomathematics, Vanderbilt University

2003-2004 Research Enterprise Taskforce, Vanderbilt University

2004-2007 Search Committee, Associate Director of Research Computing, Dartmouth College

2004-2006 Search Committee, Director of the Neukom Institute for Computational Sciences, Dartmouth College

2004-2013 Biostatistics Search Committee, Department of Community and Family Medicine, Dartmouth College

2004 Grant Reviewer, Idaho Research Center Grant Program, Idaho State Board of Education

2004 Grant Reviewer, Centers of Biomedical Research Excellence (COBRE), National Center for Research Resources, NIH

2004 Organizer and Chair, National Cancer Institute (NCI) Think Tank on Cancer Susceptibility and Resistance, NIH

2004 Grant Reviewer, WellBeing of Women – The Health Research Charity for Women and Babies, London

2004-2005 Organizer and Chair, Educational Session, American Association of Cancer Research

2004-2005 Organizer and Chair, National Cancer Institute (NCI) Conference on “Predictive Models of Cancer Susceptibility: Integrated Strategies”, NIH

2005 Grant Reviewer, Howard Hughes Medical Institute (HHMI)

2005 Grant Reviewer, Special Emphasis Panel, NIH

2005 Grant Reviewer, NIH Director's Roadmap Initiative, National Centers for Biomedical Computing, NIH

2005 Program Committee, Graduate Student Workshop on Genetic and Evolutionary Computing

2005-2014 Technical Committee, European Conference on Evolutionary Computing, Machine Learning and Data Mining in Bioinformatics

2005-2006 Program Chair, European Workshop on Evolutionary Computation and Machine Learning in Bioinformatics

2005-2008 Program Chair, Biological Application Track, Genetic and Evolutionary

Computation Conference
 2005 Technical Committee, IEEE Symposium on Computational Intelligence in
 Bioinformatics and Computational Biology
 2005-2010 Council Member, International Society of Cancer Informatics
 2005-2009 Education Committee, International Genetic Epidemiology Society
 2005-2010 Program Committee, Workshop on Pattern Recognition in Bioinformatics,
 International Association for Pattern Recognition (IAPR)
 2005 Grant Reviewer, High-End Instrumentation Program (S10), National Center
 Research Resources, NIH
 2005 Grant Reviewer, National Heart Lung and Blood Institute, NIH
 2005-2012 Director, Cancer Biomedical Informatics Grid, Norris-Cotton Cancer Center,
 Dartmouth College
 2006-2012 Chair, Research Computing Oversight Subcommittee (RCOS), Council on
 Computing, Dartmouth College.
 2006-2015 Chair, Integrative Biology Committee, Dartmouth College
 2006-2007 Cores Planning Committee, Translational Research Building, Geisel School
 of Medicine at Dartmouth
 2006-2013 Information Technology Planning Committee, Geisel School of Medicine at
 Dartmouth
 2006 Member, Task Force on Statistical Genetics Software Development, International
 Genetic Epidemiology Society
 2006-2008 Steering Committee, European Conference on Evolutionary Computation,
 Machine Learning and Data Mining in Bioinformatics
 2006-2009 Program Committee, European Conference on Evolutionary Computation,
 Machine Learning and Data Mining in Bioinformatics
 2006 Technical Committee, IEEE Symposium on Computational Intelligence in
 Bioinformatics and Computational Biology
 2006-2007 Grant Reviewer, Interdisciplinary Research Consortium, Roadmap
 Initiative, NIH
 2006-2007 Program Chair, Biological Applications Track, Genetic and Evolutionary
 Computation Conference
 2006-2008 Founder, Organizer and Chair, Workshop on Open-Source Software for
 Applied Genetic and Evolutionary Computation
 2006-2009 Member, Working Group on Modeling Variation in Gene Networks, National
 Evolutionary Synthesis Center, Durham
 2007 Grant Reviewer, National Institute of Environmental Health Sciences, NIH
 2007-2008 Chair, Education Committee, International Genetic Epidemiology Society
 2007-2010 Web Master, Education Wiki, International Genetic Epidemiology Society
 2007 Grant Reviewer, Horizon Program, The Netherlands Genomics Initiative
 2007 Program Committee, IEEE International Symposium on Bioinformatics and
 Bioengineering
 2007-2008 Advisory Board, International Conference on Neural Networks and
 Genetic Algorithms in Materials Science and Engineering
 2007-2011 Scientific Advisory Committee, Southern Center on Environmentally-Driven
 Disparities in Birth Outcomes, Duke University
 2007-2015 Founding Organizer and Chair, Dartmouth Symposium on Integrative Biology
 2008-2013 Reviewer, American Cancer Society Institutional Research Grants, Norris-Cotton
 Cancer Center, Geisel School of Medicine at Dartmouth

2008-2015 Research Subcommittee, Information Systems Steering Committee, Dartmouth-Hitchcock Medical Center

2008-2009 Program Committee, Graduate Student Workshop, Genetic and Evolutionary Computation Conference

2008 Chair, Risk Models Working Group, National Cancer Institute Workshop on Integrated Systems Genetics: The Path Forward, NIH

2008-2015 Data Management and Analysis Committee, Preterm Birth Genome Project

2008-2008 Ambassador to the U.S.A, International Genetic Epidemiology Society

2008 Organizer and Chair, Educational Workshop on Machine Learning, International Genetic Epidemiology Society

2008-2009 Grant Reviewer, P01 Special Emphasis Panel, National Institute of Allergy and Infectious Diseases, NIH

2009-2013 Member, Biomedical Library and Informatics Review Committee (BLIRC), National Library of Medicine (NLM), NIH

2009 Grant Reviewer, ARRA Challenge Grant Program, NIH

2009 Organizer and Chair, Bioinformatics Workshop, Northeast Regional IDeA Meeting

2009 Organizer and Chair, Bioinformatics Workshop, Northeast Regional Life Sciences Core Directors meeting, Cornell University

2009 Planning Committee, NIH/NCRR Regional IDeA Meeting, New Hampshire

2009-2011 Senior Management Team, Dartmouth Center for Clinical and Translational Science (DDCTS)

2009-2011 Chair, Clinical Informatics Search Committee, Geisel School of Medicine at Dartmouth

2009 Copenhaver Award Committee, Geisel School of Medicine at Dartmouth

2010 Reviewer, Pilot Application Review Committee, Dartmouth Center for Clinical and Translational Science

2010-2015 Dean's Academic Board (DAB), Geisel School of Medicine at Dartmouth

2010-2015 Dean's Biomedical Research Council, Geisel School of Medicine at Dartmouth

2010-2011 Founder, Organizer and Chair, Workshop on Visualization Methods in Genetic and Evolutionary Computation (VizGEC).

2010 Reviewer, Bioinformatics and Biomedical Applications Track, International Conference on Pattern Recognition

2010-2011 Scientific Program Committee, Summit on Translational Bioinformatics, American Medical Informatics Association.

2010-2013 Organizer and Chair, Genetic Programming Theory and Practice Workshop, University of Michigan

2010-2011 External Advisory Board, Center for Personalized Medicine and Therapeutic Innovation, Children's Mercy Hospital, Kansas City

2011 External Review Board, Bioinformatics Research Center, North Carolina State University, Raleigh

2011-2015 Dean's Council on Core Facilities, Geisel School of Medicine at Dartmouth

2011-2015 Geisel Faculty Council, Geisel School of Medicine at Dartmouth

2011-2020 Program Committee, European Conference on Artificial Life

2011-2015 Program Committee, IEEE Conference on Biomedical Computing

2011-2012 General Chair, Genetic and Evolutionary Computation Conference

2011-2012 Communications Committee, American Society of Human Genetics.

2012-2013 Steering Committee, EPSCoR Workshop on Bioinformatics, National Science Foundation

2012-2015 Planning Committee, “Up for a Challenge” competition, NIH

2013 Program Committee, Genetic Programming Track Genetic and Evolutionary Computation Conference

2013-2015 Technical Committee, The International Association for Pattern Recognition

2013-2019 External Advisory Committee, Institute for Bioinformatics and Evolutionary Studies, University of Idaho.

2013- External Advisory Committee, Hawaii IDeA Network of Biomedical Research Excellence, University of Hawaii.

2013 Chair, Workshop on Training the Next Generation of Quantitative Biologists, Pacific Symposium on Biocomputing

2013 Chair, Workshop on Noncoding RNA, Pacific Symposium on Biocomputing

2013-2014 Geisel Budget Improvement Committee, Geisel School of Medicine at Dartmouth

2014-2015 Geisel Space Committee, Geisel School of Medicine at Dartmouth

2014-2015 Core Missions Workgroup, Geisel School of Medicine at Dartmouth

2014-2015 Academic Council, Geisel School of Medicine at Dartmouth

2014 Program Committee, Conference on Bioinformatics, Computational Biology and Health Informatics

2014-2019 External Advisory Committee, Indiana University Network Science Institute

2014-2019 External Advisory Committee, Center for Biomedical Informatics and Biostatistics, University of Arizona

2015-2016 Scientific Program Committee, Summit on Translational Bioinformatics, American Medical Informatics Association

2015- Chair, Senior Information Technology Leadership Committee, Perelman School of Medicine, University of Pennsylvania

2015- Committee of Center and Institute Directors, Perelman School of Medicine, University of Pennsylvania

2015- Executive Committee, Genomics and Computational Biology Graduate Group, Perelman School of Medicine, University of Pennsylvania

2015-2021 Internal Scientific Advisory Board, Penn Medicine Neuroscience Center, Perelman School of Medicine, University of Pennsylvania

2015-2020 Chair, Informatics Search Committee, Institute for Biomedical Informatics, Perelman School of Medicine, University of Pennsylvania

2015- Executive Committee, Penn Center for Precision Medicine, Perelman School of Medicine, University of Pennsylvania

2016-2018 Search Committee, Cardiovascular Institute Director, Perelman School of Medicine, University of Pennsylvania

2016-2020 Biomedical Library Advisory Committee, University of Pennsylvania

2016-2017 Biomedical Informatics Search Committee, Children’s Hospital of Philadelphia

2016-2017 Search Committee for Chair of the Department of Systems Pharmacology and Translational Therapeutics, Perelman School of Medicine, University of Pennsylvania

2016 NIH U4C contest entry reviewer and panel chair, “Up for a Challenge” competition, National Cancer Institute (NCI), NIH

2016 Grant Reviewer, National Library of Medicine T15 Institutional Training Grants, NIH

2016-2017 Chair, Summit on Translational Bioinformatics, American Medical

Informatics Association.

2017-2019 Grant Reviewer, National Institute for Drug Abuse Centers of Excellence, NIH

2017- Advisory Board, Biostatistics Core, Abramson Cancer Center, University of Pennsylvania

2017-2018 Chair, Leveraging Health Data Committee, Shaping the Future of Medicine 2.0 Strategic Planning Initiative, Perelman School of Medicine, University of Pennsylvania

2017-2018 Health Care Value and Outcomes Committee, Shaping the Future of Medicine 2.0 Strategic Planning Initiative, Perelman School of Medicine, University of Pennsylvania

2017-2020 Environmental Epidemiology Search Committee, Center of Excellence in Environmental Toxicology, Perelman School of Medicine, University of Pennsylvania

2017-2020 Cancer Epidemiology Search Committee, Center for Clinical Epidemiology and Biostatistics, Perelman School of Medicine, University of Pennsylvania

2017-2019 Search Committee for Chief of the Division of Biostatistics, Perelman School of Medicine, University of Pennsylvania

2018- University Scholars Council, Center for Undergraduate Research and Fellowships, University of Pennsylvania

2018-2019 Chair, Clinical and Medical Bioinformatics Working Group, Abramson Cancer Center, Perelman School of Medicine, University of Pennsylvania

2018-2019 Chair, Genomic and Clinical Research Database Committee, Perelman School of Medicine, University of Pennsylvania

2018-2019 Grant Reviewer, National Institute of General Medical Sciences Collaborative Grant Program for Multidisciplinary Teams, NIH

2018- External Advisory Committee, South Carolina Cancer Disparities Research Center, Medical University of South Carolina, Charleston

2019 Chair, Workshop on Translational Informatics for Population Health, Pacific Symposium on Biocomputing

2019 Chair, Workshop on Reading Between the Genes, Pacific Symposium on Biocomputing

2019 Scientific Advisory Board, GIGA Center, University of Liege, Belgium

2019 Evaluation Committee, National Institute of Diabetes and Digestive and Kidney Disease (RE)Building a Kidney program, NIH

2019- Founding Organizer, Symposium on Artificial Intelligence for Learning Health Systems (SAIL)

2019- Awards Committee, Department of Genetics, Perelman School of Medicine, University of Pennsylvania

2019- Awards Committee, Department of Biostatistics, Epidemiology, and Informatics, Perelman School of Medicine, University of Pennsylvania

2019-2020 Chair, Data Privacy for Research Committee, Perelman School of Medicine, University of Pennsylvania

2020- Internal Advisory Committee, Center for Innovation and Precision Dentistry, School of Dental Medicine, University of Pennsylvania

2020 Faculty Search Committee, Department of Pathology and Laboratory Medicine, Perelman School of Medicine, University of Pennsylvania

2020- Steering Committee, Diversity Action Plan for Penn Genomics, Perelman School of Medicine, University of Pennsylvania

2020- Steering Committee, Computational Genomics T32 Training Program, Perelman School of Medicine, University of Pennsylvania

2020- Committee on Diversity, Equity, and Inclusion, Genomics and Computational Biology Graduate Group, Perelman School of Medicine, University of Pennsylvania

2020-21 Internal Review Committee, Department of Radiation Oncology, Perelman School of Medicine, University of Pennsylvania

2020- Advisory Board, Penn K-12 Bioinformatics Education Program, University of Pennsylvania

2020- Planning Committee, Data Science Building, University of Pennsylvania

2020- Penn Interdisciplinary Network for Scientists Promoting Inclusion, Retention, and Equity (Penn INSPIRE), University of Pennsylvania

2020- Chair, Biomedical Library Advisory Committee, University of Pennsylvania

2020-2021 Chair, Strategic Workgroup for Computing, Department of Genetics, University of Pennsylvania

2020 Ad-Hoc Member, External Advisory Board, Harvard Catalyst, Harvard Medical School

2020- Steering Committee, Arkansas Artificial Intelligence Campus

2021 Chair, Workshop on Translational Bioinformatics, Pacific Symposium on Biocomputing

2021 Chair, Workshop on Raising the Stakeholders - Improving Patient Outcomes through Interprofessional Collaborations in AI for Healthcare, Pacific Symposium on Biocomputing

2021 Workshops Chair, Conference on Bioinformatics, Computational Biology, and Health Informatics

2021 Grant reviewer, National Institute for Dental and Cranofacial Research

2021 Grant Reviewer, National Library of Medicine T15 Institutional Training Grants, NIH

2021- Chair, Observational Study Monitoring Board, Longevity Consortium, National Institute of Aging, NIH

Professional Associations/Society Memberships:

1994- American Statistical Association (ASA)

1999- American Society of Human Genetics (ASHG)

1999- International Genetic Epidemiology Society (IGES)

1999- International Society for Genetic and Evolutionary Computation (ISGEC)

2000- International Society of Computational Biology (ISCB)

2000-2015 International Society for Psychiatric Genetics (ISPG)

2004- Association for Computing Machinery (ACM)

2007-2015 American Association for Cancer Research (AACR)

2010- American Association for Artificial Intelligence (AAAI)

2010- American Medical Informatics Association (AMIA)

2015- American College of Medical Informatics (ACMI)

2020- International Statistics Institute (ISI)

2021- International Academy of Health Sciences Informatics (IAHSI)

Mentoring:

- 1999 Don Carpenter, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project
- 1999-03 Holli Hutcheson, Interdisciplinary Graduate Program (IGP), Vanderbilt University, committee member
- 2000-2004 Alecia Willis, Interdisciplinary Graduate Program (IGP), Vanderbilt University, committee member
- 2000-2004 Renee Dawson, Interdisciplinary Graduate Program (IGP), Vanderbilt University, committee member
- 2000 Joel Parker, Biomedical Informatics Graduate Program, Vanderbilt University, research mentor for rotation project
- 2000 Sheng-Ru Shiou, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project
- 2000 Jennifer Lamb, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project
- 2000 Marylyn Ritchie, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project
- 2000-2002 Joel Parker, M.S. in Biomedical Informatics, Vanderbilt University, thesis advisor
- 2000-2003 Marylyn Ritchie, Interdisciplinary Graduate Program (IGP) Ph.D. Student, Vanderbilt, dissertation mentor
- 2001-2005 Tricia Thornton, M.S. in Biomedical Informatics, Vanderbilt University, thesis Advisor
- 2001-2006 Tricia Thornton-Wells, Integrative Neuroscience Ph.D. Student, Vanderbilt University, dissertation mentor
- 2001-2004 Jake McCauley, Interdisciplinary Graduate Program (IGP), Vanderbilt University, committee member
- 2001-2004 Sarah Schwartz, Interdisciplinary Graduate Program (IGP), Vanderbilt University, committee member
- 2002-2004 Roger Liu, Interdisciplinary Graduate Program (IGP), Vanderbilt University, committee member
- 2002 Jian Shi, Chemical and Physical Biology Program, Vanderbilt University, research mentor for rotation project
- 2002 David Reif, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project
- 2002 Lawrence Fu, Biomedical Informatics Graduate Program, Vanderbilt University, research mentor for rotation project
- 2002 Ken Stawowy, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project
- 2002 Scott Gruver, Chemical and Physical Biology Program, Vanderbilt University, research mentor for rotation project
- 2002-2004 Jay Folke, Ph.D., Assistant Professor of Epidemiology, Vanderbilt University, faculty mentor
- 2002-2004 Chuck Matthews, Ph.D., Assistant Professor of Epidemiology, Vanderbilt University, faculty mentor
- 2003-2004 Jeff Canter, Ph.D., Assistant Professor of Molecular Physiology and Biophysics, Vanderbilt University, faculty mentor
- 2003-2004 Doug Mortlock, Ph.D., Assistant Professor of Molecular Physiology and

Biophysics, Vanderbilt University, faculty mentor

2003-2004 Marylyn Ritchie, Ph.D., Assistant Professor of Molecular Physiology and Biophysics, Vanderbilt University, faculty mentor

2003-2005 David Reif, M.S. in Applied Statistics, Vanderbilt University, thesis advisor

2003-2006 David Reif, Interdisciplinary Graduate Program (IGP) Ph.D. Student, Vanderbilt University, dissertation mentor

2003 Nykolaus Reed (URM), Meharry Medical College, research mentor for rotation project

2003 Digna Valez (URM), Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project

2003 Jana Shirey, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project

2003 Will Bush, Chemical and Physical Biology Program, Vanderbilt University, research mentor for rotation project

2003 Robert Thiele, Introduction to Biomedical Research (IBR) Program, Vanderbilt University, research mentor

2003-2004 Elizabeth Rula, Neuroscience Graduate Program, Vanderbilt University, committee member

2003-2005 Brett McKinney, Ph.D., Postdoctoral Student, Vanderbilt University, postdoc research mentor

2004 Alison Motsinger, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project

2004 Todd Edwards, Interdisciplinary Graduate Program (IGP), Vanderbilt University, research mentor for rotation project

2004-2006 Tom Chittenden, Ph.D., Postdoc, Dartmouth College, postdoctoral research mentor

2005-2006 Folkert Asselbergs, M.D., Ph.D., Dartmouth College, postdoctoral research mentor

2005-2009 David Jewell, Ph.D., Instructor of Genetics, Dartmouth College, postdoctoral research mentor

2005-2007 Adam Chmelynski, class of 2008, Presidential Scholar, Dartmouth College, research mentor

2005 Kristine Pattin, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2005 Anna Tyler, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2005 Chantel Sloan, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2005 Sarah Pendergrass, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2005 Eric Arehart, M.D.-Ph.D. Program, Dartmouth College, research mentor for rotation project

2005 Randy Lambrechts, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2005 Ryan Urbanowicz, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2005-2008 Eric Arehart, M.D.-Ph.D. Program, Dartmouth College, dissertation mentor

2005-2011 Gavin Grant, Molecular and Cellular Biology Program, Dartmouth College,

member of dissertation committee
2005-2011 Lacy George, Molecular and Cellular Biology Program, Dartmouth College,
member of dissertation committee
2005-2009 Sarah Pendergrass, Molecular and Cellular Biology (MCB), Dartmouth College,
dissertation mentor
2005-2009 Chantel Sloan, Molecular and Cellular Biology (MCB), Dartmouth College,
dissertation mentor
2005-2010 Kristine Pattin, Molecular and Cellular Biology (MCB), Dartmouth College,
dissertation mentor
2005-2007 Eric Duell, Ph.D., Assistant Professor of Community and Family Medicine,
Dartmouth College, faculty mentor
2006-2015 Mark Borsuk, Ph.D., Assistant Professor of Engineering, Dartmouth College,
faculty mentor
2006-2015 Clare Congdon, Ph.D., Assistant Professor of Computer Science, University
of Southern Maine, faculty mentor
2006-2011 Robert Culverhouse, Ph.D., Assistant Professor of Medicine, Washington
University, faculty mentor
2006-2015 Carol Kim, Ph.D., Associate Professor of Biochemistry, Microbiology and
Molecular Biology, University of Maine, faculty mentor
2006-2013 Craig Tomlinson, Ph.D., Assistant Professor of Medicine, Dartmouth College,
faculty mentor
2006-2015 Luiza Caramori, M.D., Ph.D., Assistant Professor of Endocrinology and Diabetes,
University of Minnesota, faculty mentor
2006-2015 Jiang Gui, Ph.D., Assistant Professor of Community and Family Medicine,
Dartmouth College, faculty mentor
2006-2012 LaCreis Kidd (URM), Ph.D., Associate Professor of Epidemiology, University of
Louisville, faculty mentor
2006-2009 Brett McKinney, Ph.D., Assistant Professor of Genetics, University of Alabama
Birmingham, faculty mentor
2006-2011 Heather Wishart, Ph.D., Associate Professor of Psychiatry, Dartmouth College,
faculty mentor
2006-2009 Mike Whitfield, Ph.D., Assistant Professor of Genetics, Dartmouth College,
faculty mentor
2006-2009 Casey Greene, Molecular and Cellular Biology (MCB), Dartmouth College,
dissertation mentor
2006-2010 Anna Tyler, Molecular and Cellular Biology (MCB), Dartmouth College,
dissertation mentor
2006-2012 Ryan Urbanowicz, Molecular and Cellular Biology (MCB), Dartmouth College,
dissertation mentor
2006-2011 Jennifer Sargent, Molecular and Cellular Biology Program, Dartmouth College,
member of dissertation committee
2006-2011 Darren Bauer, Genome Center, University of New Hampshire, member of
dissertation committee
2006-2011 Viktor Martyanov, Molecular and Cellular Biology Program, Dartmouth College,
member of dissertation committee
2006-2012 Randy Lambrechts, Molecular and Cellular Biology Program, Dartmouth
College, member of dissertation committee
2006 Casey Green, Molecular and Cellular Biology (MCB), Dartmouth College,

research mentor for rotation project
 2006 Amelia Lyman, Molecular and Cellular Biology (MCB), Dartmouth College,
 research mentor for rotation project
 2006 Diyong Xu, Molecular and Cellular Biology (MCB), Dartmouth College,
 research mentor for rotation project
 2006-2007 Ryan Church, class of 2009, Dartmouth College, research mentor
 2006-2007 Kristin Fladseth, class of 2009, Dartmouth College, research mentor
 200620-07 Oleg Seletsky, class of 2009, Presidential Scholar, Dartmouth College, research
 mentor
 2007-2010 Arvis Sulovari, class of 2010, Dartmouth College, research mentor
 2007-2008 Elizabeth Weber, class of 2009, Dartmouth College, research mentor
 2007-2009 Emmanuel Mensah, class of 2009, Dartmouth College, research mentor
 2007-2009 Kevin Mwenda (URM), class of 2009, Dartmouth College, research mentor
 2007-2008 Joann Gruber, class of 2010, HHMI Fellow, Dartmouth College, research mentor
 2007-2011 Daniel Himmelstein, class of 2011, Cornell University, research mentor
 2007-2008 Dylan Thomas, class of 2009, Dartmouth College, research mentor
 2007 Daniel Himmelstein, Hanover High School, research mentor
 2007-2009 Delaney Granizo-MacKenzie, Hanover High School, research mentor
 2007-2009 Nicholas Sinnott-Armstrong, Hanover High School, research mentor
 2007 Nima Pouladi, Molecular and Cellular Biology (MCB), Dartmouth College,
 research mentor for rotation project
 2007 Catarina Campbell, Genetics, Harvard Medical School, member of dissertation
 examining committee
 2007-2009 Angeline Andrew, Ph.D., Assistant Professor of Community and Family
 Medicine, Dartmouth College, faculty mentor
 2008-2014 Kathleen Askland, M.D., Assistant Professor of Psychiatry, Brown University,
 faculty mentor
 2008-2012 Brendan Faherty, Molecular and Cellular Biology Program, Dartmouth College,
 member of dissertation committee
 2008 Richard Cowper (URM), Molecular and Cellular Biology (MCB), Dartmouth
 College, research mentor for rotation project
 2008 Fisayo Adejuyigbe (URM), Molecular and Cellular Biology (MCB), Dartmouth
 College, research mentor for rotation project
 2008 Nadia Penrod, Program in Experimental and Molecular Medicine, Dartmouth
 College, research mentor for rotation project
 2008-2009 Kathleen Champion, class of 2011, HHMI Fellow, Dartmouth College, research
 mentor
 2008 Paul Haake, Masters in Computer Science, University of Vermont, member of
 thesis committee
 2008-2012 Richard Cowper Sal.Lari (URM), Molecular and Cellular Biology (MCB),
 Dartmouth College, dissertation mentor
 200820-13 Nima Pouladi, Molecular and Cellular Biology (MCB), Dartmouth College,
 dissertation mentor
 2008-2013 Nadia Penrod, Program in Experimental and Molecular Medicine (PEMM),
 Dartmouth College, dissertation mentor
 2009 Tamra Heberling, Masters in Mathematics, Montana State University, summer
 research mentor
 2009-2011 Karin Hill, class of 2011, Skidmore College, research mentor

2009-2011 Nora Kim, class of 2012, HHMI Fellow, Dartmouth College, research mentor

2009-2012 Ambrose Granizo-MacKenzie, Hanover High School, research mentor

2009 Sarah Streeter, class of 2012, HHMI Fellow, Dartmouth College, research mentor

2009 Wei Shi, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2009 Jeremy Huckins, Program in Experimental and Molecular Medicine, Dartmouth College, research mentor for rotation project

2009 Jason Gilmore, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2009-2011 Joshua Payne, Ph.D., Postdoc (K25), postdoctoral research mentor

09-14 Paul Thompson, Ph.D., Instructor of Genetics, Dartmouth College, postdoctoral research mentor

2010-2011 Davnah Urbach, Ph.D., Postdoc, Dartmouth College, postdoctoral research mentor

2010-2012 Kristine Pattin, Ph.D., Instructor of Genetics, Dartmouth College, postdoctoral research mentor

2010-2014 Ting Hu, Ph.D., Postdoc, Dartmouth College, postdoctoral research mentor

2010-2011 Diane Gilbert-Diamond, Ph.D., Postdoc (K25), Dartmouth College, postdoctoral research mentor

2010-2015 Christian Darabos, Ph.D., Postdoc, Dartmouth College, postdoctoral research mentor

2010 Dov Pechenick, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2010 Qinxin Pan, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2010-2011 Tyler Perry, class of 2012, Dartmouth College, research mentor

2010-2011 Dennis Ng, class of 2012, Dartmouth College, research mentor

2010-2011 Tim Woodin, Sharon High School, research mentor

2010-2013 Dan Hupala, Molecular and Cellular Biology Program, Dartmouth College, member of dissertation committee

2010-2014 Jason Gilmore, Molecular and Cellular Biology Program, Dartmouth College, member of dissertation committee

2010-2014 Qinxin Pan, Molecular and Cellular Biology (MCB), Dartmouth College, dissertation mentor

2010-2014 Dov Pechenick, Molecular and Cellular Biology (MCB), Dartmouth College, dissertation mentor

2011-2015 Rishika De, Molecular and Cellular Biology (MCB), Dartmouth College, dissertation mentor

2011-2013 Sam Coxon, Sharon High School, research mentor

2011-2012 Ryan Amos, Houston High School, research mentor

2011-2012 Brendin Beaulieu-Jones, class of 2014, Presidential Scholar, Dartmouth College, research mentor

2011-2012 Elli Kim, class of 2014, Presidential Scholar, Dartmouth College, research mentor

2011-2012 Jennifer Jaco, class of 2013, Dartmouth College, research mentor

2011 Michael Fullerton, iSURF student, Great Bay Community College, NH, research Mentor

2011 Rishika De, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2011 Robert Frost, Quantitative Biomedical Sciences (QBS), Dartmouth College, research mentor for rotation project

2011 Jaclyn Taroni, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2011 Nancy Simone Scott, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2011-2013 Devin Koestler, Ph.D., Postdoc (K25), Dartmouth College, postdoctoral research mentor

2011-2014 Anne Hoen, Ph.D., Postdoc, Dartmouth College, postdoctoral research mentor

2012-2015 Ryan Urbanowicz, Ph.D., Postdoc (K25), Dartmouth College, postdoctoral research mentor

2012-2015 Kwangsik Nho, Ph.D., Postdoc (K99/R00), Indiana University, postdoctoral research mentor

2012 Diana Chernikova, M.D.-Ph.D. Program, Dartmouth College, research mentor for rotation project

2012 Jing Li, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2012 Minjun Huang, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2012 Craig Mackenzie, Quantitative Biomedical Sciences (QBS), Dartmouth College, research mentor for rotation project

2012 James Rudd, Quantitative Biomedical Sciences (QBS), Dartmouth College, research mentor for rotation project

2012-2014 Amanda Zieselman, class of 2015, Women in Science Program, Sophomore Scholar, Barbara Crute Memorial Internship, Dartmouth College, research mentor

2012 Ilenna Jones (URM), class of 2015, Women in Science Program, Dartmouth College, research mentor

2012 Ayesha Dholakia, class of 2015, Women in Science Program in Science Program, Dartmouth College, research mentor

2012 Claudia Pham, class of 2015, Women in Science Program, Dartmouth College, research mentor

2012-2013 Ryan Collins, class of 2013, Dartmouth College, research mentor

2012 Christine Cuddemi, iSURF student, Emmanuelle College, MA, research mentor

2012-2013 Britney Graham, iSURF student, New England College, NH, research mentor

2012-2013 Felix Ackerman, Vassar College, NY, research mentor

2012-2014 Ryan Amos, class of 2016, Dartmouth College, research mentor

2012 Tom Kennedy, Hartford High School, research mentor

2012-2016 Jing Li, Molecular and Cellular Biology (MCB), Dartmouth College, dissertation mentor

2012-2014 Rob Frost, Quantitative Biomedical Sciences (QBS), Dartmouth College, dissertation mentor

2013-2016 Diana Chernikova, M.D.-Ph.D. Program, Dartmouth College, dissertation mentor

2013 Peter Tsongolis, Hartford High School, research mentor

2013 Lauren Yeager, class of 2016, Women in Science Program, Dartmouth College, research mentor

2013 Stephanie Alden, class of 2016, Women in Science Program, Dartmouth College, research mentor

2013 Alexandra Dalton, class of 2016, Women in Science Program, Dartmouth

College, research mentor

2013 Mulin Xiong, class of 2016, Women in Science Program, Dartmouth College, research mentor

2013 Tom Madsen, class of 2014, Dartmouth College, research mentor

2013 Gediminas Bertasius, class of 2014, Dartmouth College, research mentor

2013 Derek Leung, class of 2014, Dartmouth College, research mentor

2013 Haley Moulton, class of 2015, Dartmouth College, research mentor

2013 Christina Danosi, class of 2013, Dartmouth College, research mentor

2013 Dzung Pham, iSURF student, St. Anselm College, NH, research mentor

2013 Janesha Brown, iSURF student, Tougaloo College, MS, research mentor

2013 Jane Chen, class of 2013, Brown University, research mentor, research mentor

2013 Tom Kennedy, class of 2016, Southern Methodist University, research mentor

2013 Samantha Harmon, class of 2015, Dartmouth College, research mentor

2013 Jie Tan, Molecular and Cellular Biology (MCB), Dartmouth College, research mentor for rotation project

2013 Britney Graham, Quantitative Biomedical Sciences (QBS), Dartmouth College, research mentor for rotation project

2013 Brett Beaulieu-Jones, Quantitative Biomedical Sciences (QBS), Dartmouth College, research mentor for rotation project

2013-2016 Diana Chernikova, M.D.-Ph.D. Program, Dartmouth College, dissertation mentor

2013-2015 Nathaniel Crabtree, University of Arkansas, member of dissertation committee

2013-2015 Zhenghui Li, Molecular and Cellular Biology Program, Dartmouth College, member of dissertation committee

2013-2017 Brett Beaulieu-Jones, Genomics and Computational Biology, University of Pennsylvania, dissertation mentor

2013-2018 Elizabeth Piette, Genomics and Computational Biology Graduate Group, University of Pennsylvania, dissertation mentor

2014-2015 Jie Tan, Molecular and Cellular Biology Program, Dartmouth College, member of dissertation committee

2014-2015 Matthew Ung, Molecular and Cellular Biology Program, Dartmouth College, member of dissertation committee

2014 Elizabeth Piette, Quantitative Biomedical Sciences (QBS), Dartmouth College, research mentor for rotation project

2014 Carrie Davison, class of 2017, Women in Science Program, Dartmouth College, research mentor

2014 Emily Bih, class of 2017, Women in Science Program, Dartmouth College, research mentor

2014 Rachel Patel, class of 2017, Women in Science Program, Dartmouth College, research mentor

2014 Allyson Long, class of 2017, Women in Science Program, Dartmouth College, research mentor

2014 Kenzie Clark, class of 2017, Women in Science Program, Dartmouth College, research mentor

2014 Jinya Qiu, class of 2016, Dartmouth College, research mentor

2014 Ailin Song, class of 2017, Dartmouth College, research mentor

2014 Pritika Vig, class of 2017, Dartmouth College, research mentor

2014 Emily Kong, class of 2017, Dartmouth College, research mentor

2014 Samantha Cheng, class of 2016, Presidential Scholar, Dartmouth College,

research mentor

2014 Emily Grussing, Williston High, research mentor

2014-2015 H. Robert Frost, Ph.D., Postdoc, Dartmouth College, postdoctoral research mentor

2014-2015 Geoffrey Siwo, Ph.D., Postdoc, Notre Dame, postdoctoral research mentor

2015-2016 Tuan Nguyen, Computer Science major, Drexel University, research mentor

2015-2016 Dichen Li, Master's Program in Computer and Information Technology, University of Pennsylvania, research mentor

2015-2016 Zairah Mustahsan, Master's Program in Embedded Systems, University of Pennsylvania, research mentor

2015-2016 Akshay Varik, Master's Program in Mechanical Engineering, University of Pennsylvania, research mentor

2015-2016 Ted Fujimoto, Master's Program in Computer and Information Science, University of Pennsylvania, research mentor

2015-2016 Alicia Cutillo, M.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2015-2016 Randal Olson, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2015-2016 Christian Darabos, Ph.D., Research Associate, University of Pennsylvania, postdoctoral research mentor

2015-2017 Yancy Lo, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2015-2017 Molly Hall, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2015-2018 Brian Cole, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2015-2018 Ryan Urbanowicz, Ph.D., Research Associate, University of Pennsylvania, postdoctoral research mentor

2015-2018 Lana Garmire, Ph.D., Assistant Professor, University of Hawaii, faculty mentor

2015-2018 ClarLynda Williams-Duvane (URM), Assistant Professor, North Carolina Central University, faculty mentor

2016-2021 Ruowang Li, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2016-2019 William LaCava, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2016-2021 Alena Orlenko, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2016-2019 Patryk Orzechowski, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2016-2021 Nadia Penrod, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2016 Grishma Jena, Master's Program in Computer and Information Science, University of Pennsylvania, research mentor

2016 Vishal Murali, Master's Program in Mechanical Engineering, University of Pennsylvania, research mentor

2016 Daniel Angell, Computer Science major, Drexel University, research mentor

2016 Rolando Garcia (URM), Computer Science major, Arizona State University, research mentor

2016 Tuan Nguyen, Computer Science major, Swarthmore College, research mentor

2016 Ben Yang, Computer Science major, University of Pennsylvania, research mentor

2016-2018 Andrew Sohn, M.D. student at Thomas Jefferson School of Medicine, research Mentor

2016-2019 Mark Yarmarkovich, Graduate Group in Cell and Molecular Biology, University of Pennsylvania, member dissertation committee

2016-2019 Lu Wang, Graduate Group in Biostatistics and Epidemiology, University of Pennsylvania, member dissertation committee

2016 David Nicholson (URM), Graduate Group in Genomics and Computational Biology, University of Pennsylvania, rotation research mentor

2017 Maksim Shestov, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, rotation research mentor

2017 Ben Aurbach, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, rotation research mentor

2017 Sophia Moses, Penn Undergraduate Research Mentoring (PURM) program, University of Pennsylvania, research mentor

2017-2018 Cynthia Lee, University of Pennsylvania, research mentor

2017 Judy Hong, University of Pennsylvania, research mentor

2017 Neil Gramopadhye, University of Pennsylvania, research mentor

2017-2018 Maksim Shestov, Graduate Group in Genomics and Computational Biology (GCB), University of Pennsylvania, thesis mentor

2017 Ravy Vajravelu, Master's Program in Clinical Epidemiology, University of Pennsylvania, capstone project committee

2017- Jingya Qiu, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, dissertation mentor

2018-2019 Monica Ionescu, Master's Program in Computer and Information Science, University of Pennsylvania, thesis mentor

2018 Naomi Pohl, University of Pennsylvania, research mentor

2018 Saranya Sampath, Penn Undergraduate Research Mentoring (PURM) program, University of Pennsylvania, research mentor

2018 Keren Herran (URM), University of Maryland Baltimore County, summer research mentor

2018-2020 Hoyt Gong, University of Pennsylvania, research mentor

2018-2019 Abhi Suri, University of Pennsylvania, research mentor

2018 Lin Xi, M.D. student at University of Pennsylvania Medical School, research Mentor

2018 John Gregg, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, rotation research mentor

2018 Yun Hao, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, rotation research mentor

2018-2021 Sijia Huang, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2018-2020 Stefano Ruberto, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2018-2021 Trang Le, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2019- Phil Freda, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research mentor

2019- Joe Romano, Ph.D., Postdoc, University of Pennsylvania, postdoctoral research

mentor

2019-2021 William LaCava, Ph.D., Instructor, University of Pennsylvania, postdoctoral research mentor

2019 Jun Park, Penn Undergraduate Research Mentoring (PURM) program, University of Pennsylvania, research mentor

2019-2020 Durga Srivatsan, University of Pennsylvania, research mentor

2019-2020 Emily Hong, University of Pennsylvania, research mentor

2019-2021 Natasha Ray, Princeton Academy, summer research mentor

2019- John Gregg, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, dissertation mentor

2019- Yun Hao, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, dissertation mentor

2019- Alexa Woodward, Graduate Group in Epidemiology and Biostatistics, University of Pennsylvania, dissertation mentor

2020- Benjamin Heil, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, dissertation mentor

2020 Alexa Woodward, Graduate Group in Epidemiology and Biostatistics, University of Pennsylvania, rotation research mentor

2020 Jessie Tong, Graduate Group in Epidemiology and Biostatistics, University of Pennsylvania, rotation research mentor

2020 Wara Laura (URM), Diversity Action Plan Program, University of Pennsylvania, research mentor

2020-2021 Tuhina Srivastava, Graduate Group in Biostatistics and Epidemiology, University of Pennsylvania, member dissertation committee

2020-2021 Pankhuri Singhal, Graduate Group in Genetics and Epigenomics, University of Pennsylvania, member dissertation committee

2020-2021 Andrew Clark, Master's Program in Systems Engineering, University of Pennsylvania, research mentor

2021 Van Truong, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, rotation research mentor

2021 Erica Suh, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, rotation research mentor

2021 Aditya Sirohi, Tredyffrin High School, summer research mentor

2021 Monica Manmadkar, Mission San Jose High School, summer research mentor

2021 Examiner, Ayoub Bagheri, University of Utrecht, The Netherlands, member dissertation examining committee

2021- Van Truong, Graduate Group in Genomics and Computational Biology, University of Pennsylvania, member dissertation committee

Editorial Services:

2003-2006 Managing Editor for Frontiers in Biosciences

2004- Writer, Computing Reviews

2004-2013 Founding Member of the Editorial Board for Cancer Informatics

2006-2011 Editorial Board for Physiological Genomics

2007-2009 Founding Associate Editor for Journal of Artificial Evolution and Applications

2007-2013 Founding Member of the Editorial Board for Memetic Computing

2007- Founding Editor-in-Chief of BioData Mining

2008-2009 Editor, special issue on Biological and Biomedical Application of Evolutionary Computation, Journal of Artificial Evolution and Applications

2009- Editorial Board for Genetic Programming and Evolvable Machines

2011-2014 Guest Associate Editor, PLoS Genetics

2011-2020 Associate Editor, Genetic Epidemiology

2012-2013 Editorial Board for Applied Soft Computing

2013-2014 Editor, special issue on Evolutionary Computation, Journal of Biomedical Informatics

2013-2015 Associate Editor, IEEE/ACM Transactions on Computational Biology and Bioinformatics

2013 Editor, special issue on Data Science, Current Molecular Medicine

2014 Editor, special issue on Simulation, Genetic Epidemiology

2019- Advisory Board, Springer book series on Natural Computing

2019- Editorial Board, Patterns

2020 Editor, Special Issue for Journal of Precision Medicine

HONORS AND SPECIAL AWARDS

2001 James V. Neel Young Investigator Award, International Genetic Epidemiology Society.

2002-2004 Endowed Ingram Professorship in Cancer Research, Vanderbilt University.

2004-2010 Endowed Frank Lane Research Scholar in Computational Genetics, Geisel School of Medicine at Dartmouth.

2010-2015 Endowed Third Century Professorship, Dartmouth College

2011 Elected Fellow of the American Association for the Advancement of Sciences (AAAS)

2013 Kavli Fellow, National Academy of Sciences

2014 26th Presidential Faculty Lecturer, Dartmouth College

2015 Endowed Edward Rose Professorship, University of Pennsylvania

2015 Elected Fellow of the American College of Medical Informatics (ACMI)

2017 Elected Fellow of the American Statistical Association (ASA)

2021 Elected Member, International Statistics Institute (ISI)

2021 Elected Fellow, International Academy of Health Sciences Informatics (IAHSI)

RESEARCH AWARDS AND GRANTS

Current Grants

2009-2023
 Bioinformatics Strategies for Genome-Wide Association Studies
 R01 LM010098 (Contact PI – Moore, with MPIs Asselbergs and Williams)
 NIH/NLM
 Annual DC: \$300,000 Total DC: \$3,750,000

2020-2024

Informatics Algorithms for Genomic Analysis of Brain Imaging Data
R01 LM013463 (Contact PI – Shen, with MPIs Moore and Saykin)
NIH/NLM
Annual DC: \$240,000 Total DC: \$1,200,000

2021-2026
Artificial Intelligence Strategies for Alzheimers Disease Research
R01 AG066833 (Contact PI – Moore, with MPIs Ritchie and Shen)
NIH/NIA
Annual DC: \$1,000,000 Total DC: \$5,000,000

2021-2026
Penn Artificial Intelligence Collaboratory for Healthy Aging
P30 AG073105 (Contact PI – Moore, with MPIs Demir and Karlawish)
NIH/NIA
Annual DC: \$2,500,000 Total DC: \$12,500,000

Pending Grants

2021-2026
Penn Artificial Intelligence Center for Precision Nutrition
U54 CA268216 (Contact PI – Moore, with MPIs Drs. Hongzhe Li and Gary Wu)
NIH
Annual DC: \$2,000,000 Total DC: \$16,000,000

Past Grants

1999-2020
Genetic Epidemiology of Adenoma Response to Chemoprevention
American Cancer Society (PI – Moore)
Annual DC: \$15,534

1999-2000
VANPAC: A VANderbilt PARallel Computer
Vanderbilt University (PI – Moore)
Annual DC: \$50,000

1999-2001
A Genetic Epidemiology Center
GlaxoSmithKline (PI – Haines)
Annual DC: \$700,000 Total DC: \$2,100,000

2000-2002
VAMPIRE Parallel Computing Facility
Vanderbilt University (PI – Moore)
Annual DC: \$25,000 Total DC: \$75,000

2000-2003

Vanderbilt NIDDK Biotechnology Center
R24 DK58749 (PI – George)
Moore PI of Bioinformatics Core
NIH
Annual DC: \$336,000 Total DC: \$1,344,000

2000-2004
Genes and Fibrinolytic Capacity of Human Endothelium
R01 HL65962 (PI – Brown)
NIH
Annual DC: \$250,000 Total DC: \$1,250,000

2000-2006
Genetic Architecture of Plasma t-PA and PAI-1
R01 HL65234 (PI – Moore)
Annual DC: \$250,000 Total DC: \$1,250,000

2001-2003
Collaborative Microarray Data Analysis for Cancer Research
Kleberg Fund (PI – Moore)
PI
Vanderbilt University
Annual DC: \$37,000 Total DC: \$111,000

2001-2005
SPORE in Lung Cancer
P50 CA90949 (PI – Carbone)
NIH
Annual DC: \$1,655,000 Total DC: \$6,620,000

2001-2005
Pharmacogenomics of Arrhythmia Therapy
U01 HL65962 (PI – Roden)
Moore PI of Bioinformatics Core
Annual DC: \$1,829,000 Total DC: \$9,145,000

2001-2005
Genetic Studies of Dementia in the Amish
R01 AG19085 (PI – Haines)
NIH
Annual DC: \$779,000 Total DC: \$3,895,000

2001-2005
Shanghai Breast Cancer Study
R01 CA064277 (PI – Zheng)
NIH
Annual DC: \$363,000 Total DC: \$1,815,000

2001-2005
Functional Genomics of Inflammation
U01 HL68744 (PI – Hawinger)
Moore PI of Bioinformatics Core
NIH
Annual DC: \$1,299,400 Total DC: \$6,497,000

2003-2004
Visual Analysis of Microarray Data Analysis Results for Cancer Research
Kleberg Fund (PI – Moore)
Vanderbilt University
Annual DC: \$37,000 Total DC: \$74,000

2001-2005
Genes of Pancreas Function and Development
U19 DK42502 (PI – Magnuson)
NIH
Annual DC: \$1,067,000 Total DC: \$5,335,000

2002-2006
Determinants of Individual Responsiveness to Drugs
P01 GM31304 (PI – Wilkinson)
NIH
Annual DC: \$849,000 Total DC: \$4,245,000

2002-2006
Revealing Epistasis in Alzheimer Disease
R01 AG20135 (PI – Martin)
NIH
Annual DC: \$468,000 Total DC: \$2,340,000

2002-2004
Gene Expression in Systemic Lupus Erythmatosus
Vanderbilt University (PI – Olson)
Annual DC: \$50,000 Total DC: \$150,000

2002-2006
Exploratory Visual Analysis of Genomic and Proteomic Data
P20 LM07613 (PI – Stead)
NIH
Annual DC: \$260,000 Total DC: \$1,300,000

2002-2006
SPORE in GI Cancer
P50 CA95103 (PI – Coffey)
NIH
Annual DC: \$1,685,000 Total DC: \$8,425,000

2003-2004
SP0RE in Breast Cancer
P50 CA098131 (PI – Arteaga)
NIH
Annual DC: \$1,698,500 Total DC: \$8,492,500

2003
A Vanderbilt Scientific Computing Center (SCC) for Multidisciplinary Research
Vanderbilt University (PI – Moore, with MPIs Sheldon and Shrimpf)
Annual DC: \$8,660,000

2003-2004
Cell-Mediated Immune Responses to Vaccinia Viruses
R01 AI057661 (PI – Crowe)
NIH
Annual DC: \$250,000 Total DC: \$1,250,000

2004-2008
Prevention and Metastasis: Final Frontier in Colon Cancer
U01 CA084239 (PI – Threadgill)
NIH
Annual DC: \$725,500 Total DC: \$3,627,500

2004-2005
Parallel Computer
S10 RR017210 (PI – Moore)
NIH
Annual DC: \$1,536,000

2006-2008
Comprehensive Assessment of Bladder Cancer Genetic Susceptibility
R03 CA121382 (PI – Andrew)
NIH
Annual DC: \$50,000 Total DC: \$100,000

2006-2009
Genetics of Cognitive Decline Post Cancer Chemotherapy
R01 CA116394 (PI – Ahles)
NIH
Annual DC: \$292,000 Total DC: \$1,460,000

2009-2010
Machine Learning Analysis of Genetic Modulators of Vaccine Immune Response
R56 AI080932 (PI – McKinney)
NIH
Annual DC: \$260,000

2004-2010

Genetic Basis of Trauma Recovery
R01 HD047447 (PI – Moore)
NIH
Annual DC: \$368,000 Total DC: \$1,840,000

2009-2011
NCRR ARRA Supplement for Cyber-Infrastructure
P20 RR018787 (PI – Stanton)
NIH
Annual DC: \$907,000

2009-2011
Networking Research Resources across America
U24 RR029825 (PI – Nadler)
Moore PI of Dartmouth Subcontract
NIH
Annual DC: \$7,500,000 Total DC: \$15,000,000

2011-2013
CG-GRID: Computational Genetics Grid Resource for Interaction Discovery
R41 GM097765 (PI – Moore)
NIH
Annual DC: \$100,000 Total DC: \$200,000

2005-2014
Toxic Metals in the Northeast
P42 ES007373 (PI – Stanton)
Moore PI of Bioinformatics Core
NIH
Annual DC: \$1,811,000 Total DC: \$18,110,000

2009-2014
Repair in Multiple Sclerosis
W81XWH-09-0460 (PI – Wishart)
DOD
Annual DC: \$284,400 Total DC: \$1,422,000

2004-2014
Bioinformatics Strategies for Biodefense Vaccine Research
R01 AI59694 (PI – Moore)
NIH
Annual DC: \$313,592 Total DC: \$3,130,000

2009-2014
Training Program for Quantitative Population Sciences
R25 CA134286 (PI – Moore, with MPI Karagas)
NIH
Annual DC: \$377,263 Total DC: \$1,885,000

2009-2014

Cancer Center Support Grant
P30 CA023108 (PI – Israel)
Moore PI of Bioinformatics Core
NIH

Annual DC: \$1,978,323 Total DC: \$11,869,939

2010-2015

New Hampshire IDEa Network of Biomedical Research Excellence (INBRE)
P20 GM103506 (PI – Taylor)
Moore PI of Bioinformatics Core
NIH

Annual DC: \$2,569,180 Total DC: \$15,414,000

2011-2015

Quantitative Biology Research Institute
P20 GM103534 (PI – Moore)
NIH

Annual DC: \$1,568,007 Total DC: \$7,840,000

2016-2021

Quantitative Biomedical Sciences at Dartmouth
T32 LM012204 (PI – Moore)
NIH

Annual DC: \$193,000 Total DC: \$965,000

2012-2016

Bioinformatics Approaches for Visual Disease Genetics
R01 EY022300 (PI – Moore)
NIH

Annual DC: \$190,000 Total DC: \$570,000

2006-2016

Machine Learning Prediction of Cancer Susceptibility
R01 LM009012 (PI – Moore)
NIH

Annual DC: \$216,384 Total DC: \$2,160,000

2014-2017

CG-GRID: Computational Genetics Grid Resource for Interaction Discovery
R42 GM097765 (PI – Moore)
NIH

Annual DC: \$569,332 Total DC: \$1,707,000

2012-2017

Bioinformatics Strategies for Multidimensional Brain Imaging
R01 LM011360 (Contact PI – Shen, with MPIs Moore and Saykin)

NIH
Annual DC: \$250,000 Total DC: \$1,250,000

2015-2018
The NorthEast Big Data Innovation Hub
1550284 (PI – Wing)
Moore PI of Penn subcontract
NSF
Annual DC: \$350,000 Total DC: \$1,400,000

2016-2019
Primary Open Angle African-American Glaucoma Genetics
R01 EY023557 (PI – O'Brien)
NIH
Annual DC: \$2,229,370 Total DC: \$11,145,000

2015-2019
Integrative Big Data for Biomedical Discovery
Pennsylvania Department of Health (PI – Ritchie)
Moore PI of Penn subcontract
Annual DC: \$750,000 Total DC: \$3,000,000

2015-2019
Rare Diseases Data Management and Coordinating Center
U01 TR001263 (PI – Merkle)
NIH
Annual DC: \$293,588 Total DC: \$1,465,000

2015-2025
Center of Excellence in Environmental Toxicology
P30 ES013508 (PI – Penning)
Moore PI of Exposure Biology Informatics Core
NIH
Annual DC: \$1,000,000 Total DC: \$5,000,000

2016-2020
Approaches to genetic heterogeneity of obstructive sleep apnea
R01 HL134015 (PI – Pack)
NIH
Annual DC: \$480,000 Total DC: \$2,400,000

2016-2021
Biomedical Computing and Informatics Strategies for Infectious Disease
Research
R01 AI116794 (PI – Moore)
NIH
Annual DC: \$408,699 Total DC: \$2,040,000

2016-2021

Penn Integrated Human Pancreas Procurement and Analysis Program
UC4 DK112217 (Contact PI Naji, with MPIs Kaestner and Moore)
NIH

Annual DC: \$1,612,400 Total DC: \$8,062,000

2016-2021

Institutional Clinical and Translational Science Award
UL1 TR001878 (PI – Fitzgerald)
Moore PI of Biomedical Informatics Program
NIH

Annual DC: \$7,200,000 Total DC: \$36,000,000

2017-2021

Biomedical Computing and Informatics Strategies for Precision Medicine
R01 LM012601 (Contact PI – Moore, with MPIs Beer and Huang)
NIH

Annual DC: \$250,000 Total DC: \$1,000,000

2017-2022

Postdoctoral Training Program in Genome Medicine
T32 HG009495 (Contact PI – Nathanson, with MPI Moore)
NIH

Annual DC: \$403,000 Total DC: \$2,000,000

2019-2024

Human Pancreas Analysis Program – T2D
U01 DK123716 (PI – Powers)
Moore PI of subcontract)
NIH

Annual DC: \$700,000 Total DC: \$3,500,000

2019-2024

Human Pancreas Analysis Program – T2D
U01 DK123594 (PI – Kaestner)
Moore PI of Bioinformatics Core
NIH

Annual DC: \$1,208,000 Total DC: \$6,000,000

INVITED LECTURES AND PRESENTATIONS

International Presentations

1. “What are we going to do with 300,000 SNPs?”, Glaxo-Wellcome, London, England, April 19, 2000
2. “Symbolic discriminant analysis for mining gene expression patterns”, James V. Neel New Investigator Award Presentation, International Genetic Epidemiology Society meeting, Garmisch-Partenkirchen, Germany, September 2-4, 2001

3. "Strategies for identifying gene-gene interactions in cardiovascular disease", Department of Clinical Pharmacology and Cardiology, University of Groningen, Groningen, The Netherlands, August 8, 2002
4. "Computational approaches for detecting gene-gene interactions", Oberwolfach Conference on Medical Statistics: Current Developments in Statistics Methodology for Genetic Architecture of Complex Diseases, Oberwolfach, Germany, February 4, 2003
5. "A global view of epistasis", Keynote speaker for the 2005 Annual Conference of the Portuguese Society of Human Genetics, Cascais, Portugal, November 10, 2005
6. "Genome-wide analysis of epistasis", Department of Statistics, Oxford University, Oxford, United Kingdom, February 7, 2006
7. "Genome-wide analysis of epistasis", The Wellcome Trust Centre for Human Genetics, Oxford University, Oxford, United Kingdom, February 9, 2006
8. "Bioinformatics strategies for human genetics", Invited keynote speaker for the Bioinformatics Session of the 2006 Annual Conference on the Mathematics of Information Technology and Complex Systems (MITACS), Toronto, Canada, June 19, 2006
9. "Symbolic modeling of epistasis", Department of Computer Science, University of Amsterdam, Amsterdam, The Netherlands, September 8, 2006
10. "Genome-wide genetic analysis using computational intelligence: The importance of expert knowledge", Invited keynote speaker for the IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology, Toronto, Canada, September 28, 2006
11. "Genetic analysis using multifactor dimensionality reduction", Department of Epidemiology, University Medical Center, Groningen, The Netherlands, April 16, 2007
12. "Genome-wide analysis of epistasis", Department of Epidemiology, University Medical Center, Groningen, The Netherlands, April 16, 2007
13. "The case of the missing heritability", Invited speaker, University Medical Center Utrecht, The Netherlands, August 23, 2010
14. "Gene-gene interactions", keynote presentation for the Capita Selecta on Complex Disease Analysis, Leuven, Belgium, August 26, 2010
15. "Using expert knowledge to guide data mining analysis of gene-gene interactions", invited speaker for the World Congress on Psychiatric Genetics, Athens, Greece, October 6, 2010
16. "Moving on from genome-wide association studies", plenary speaker for the Biomarker Discovery Conference, Shoal Bay, Australia, December 6, 2010
17. "Probing genetic architecture with epistasis networks", plenary speaker for the Biomarker Discovery Conference, Shoal Bay, Australia, December 8, 2010.
18. "Epistasis and its implications for personal genetics", plenary speaker for the Biomarker Discovery Conference, Shoal Bay, Australia, December 9, 2010
19. "Epistasis and its implications for personal genetics", invited speaker, Atherosclerosis Research Unit, Karolinska Institute, Stockholm, Sweden, February 14, 2011
20. "Tools for epistasis", invited speaker for the 2011 Joint International Conference of the African and Southern African Societies of Human Genetics, Cape Town, South Africa, March 9, 2011
21. "Introduction to bioinformatics", invited tutorial speaker, IEEE Symposium Series on Computational Intelligence, Paris, France, April 12, 2011
22. "Computational intelligence strategies for embracing the complexity of genetic architecture", plenary speaker for the Translational Bioinformatics Conference, Jeju, South Korea, October 17, 2012

23. "An artificial intelligence approach to biomarker discovery", invited plenary speaker for the Biomarker Discovery Conference, Shoal Bay, Australia, December 3, 2012
24. The human microbiome: Analytical tools and techniques", invited plenary speaker for the Workshop on Personalized Medicine, University of Newcastle, Australia, December 7, 2012
25. "Exploiting interestingness in a computational evolution system", Invited speaker and Kavli Fellow for the 2013 Indonesian-American Kavli Frontiers of Science Symposium, National Academy of Sciences, Bali, Indonesia, June 26, 2013
26. "Statistical epistasis networks reduce the computational complexity of searching three-locus genetic models", invited speaker for the Translational Bioinformatics Conference, Seoul, South Korea, October 1, 2013
27. "Bioinformatics: 25 years of integrating the biomedical science", University of Utrecht Medical Center, Utrecht, The Netherlands, June 25, 2014 (Host: Folkert Asselbergs)
28. "EMERGENT: A genetic programming-based artificial intelligence system", invited speaker, Genetic and Evolutionary Computation Conference (GECCO), Vancouver, Canada, July 16, 2014
29. "Dyadicity analysis of statistical epistasis networks", invited speaker for the Translational Bioinformatics Conference, Qingdao, China, October 26, 2014
30. "Artificial intelligence for Big Data", invited speaker for the Big Data Short Course, University of Utrecht, The Netherlands, July 11, 2016.
31. "An automated data science assistant", Farr Institute for Health Informatics Research, University College London, London, England, June 13, 2017
32. "Visual Analytics", invited speaker for the Big Data Short Course, University of Utrecht, The Netherlands, August 22, 2017
33. "Accessible Artificial Intelligence", Keynote Lecture for the Big Data Approaches Symposium, Novo Nordisk Foundation, Copenhagen, Denmark, May 15, 2018
34. "Incorporating Expert Knowledge into Machine Learning", Keynote Lecture for the Workshop on Machine Learning Prediction of Disease, Technical University of Denmark, Copenhagen, Denmark, May 16, 2018
35. Accessible artificial intelligence for data science", Invited speaker, Conference on Precision Medicine, Puerto Vallarta, Mexico, June 1, 2019
36. "HUMIES finalist award presentation", invited speaker, Genetic and Evolutionary Computation Conference (GECCO), Prague, Czech Republic, July 16, 2019

National Presentations

1. "Genetic analyses of dynamic quantitative traits", Vanderbilt University Medical School, Nashville, Tennessee, March 9, 1998
2. "Genetics of quantitative traits", Genetic Analysis Methods for Medical Researchers Workshop, Duke University, Durham, North Carolina, March 13, 1999
3. "New traits for genetic studies of blood pressure regulation", Department of Microbiology, Meharry Medical College, Nashville, Tennessee, November 2, 1999.
4. "Analysis of quantitative traits", Workshop on the Genetic Analysis of Complex Human Diseases, Duke University, Durham, North Carolina, April 2, 2000
5. "Analytical issues associated with SNPs", Workshop on the Genetic Analysis of Complex Human Diseases, Duke University, Durham, North Carolina, April 2, 2000
6. "A cellular automata-based pattern recognition approach to identifying gene-gene and gene-environment interactions", James V. Neel New Investigator Award Finalist

- Presentation, International Genetic Epidemiology Society meeting, San Antonio, Texas, October 27, 2000
7. "Symbolic discriminant analysis for mining gene expression patterns". Critical Assessment of Techniques for Microarray Data Analysis workshop, Duke University Durham, North Carolina, December 18, 2000
 8. "Data reduction and pattern recognition approaches to the genetics of complex diseases". Center for Human Genetics, Duke University Medical School, Durham, North Carolina, January 17, 2001
 9. "Data reduction and pattern recognition approaches to the genetics of complex diseases". GlaxoSmithKline, Durham, North Carolina, February 7, 2001
 10. "Future directions and major unsolved problems in genetic epidemiology", Workshop on the Genetic Analysis of Complex Human Diseases, Duke University, Durham, North Carolina, May 5, 2001
 11. "Introduction to biostatistics", Workshop on the Genetic Analysis of Complex Human Diseases, Duke University, Durham, North Carolina, May 5, 2001
 12. "The role of interactions among ACE and PAI-1 polymorphisms in risk of myocardial infarction", Division of Cardiology, Yale University Medical School, New Haven, Connecticut, August 23, 2001
 13. "Computational approaches to the analysis of microarray data", Department of Biology, California State University, San Marcos, California, October 18, 2001
 14. "New strategies for identifying combinations of single-nucleotide polymorphisms associated with common multifactorial diseases", Department of Biostatistics and Epidemiology, University of Pennsylvania, Philadelphia, Pennsylvania, January 31, 2002
 15. "Symbolic discriminant analysis for mining gene expression patterns", Division of Nephrology, Department of Pediatrics, University of Minnesota, Minneapolis, Minnesota, February 15, 2002
 16. "New strategies for identifying gene-gene interactions in common multifactorial diseases", Department of Biostatistics, University of Alabama, Birmingham, Alabama, March 4, 2002
 17. "New strategies for identifying gene-gene interactions in common multifactorial diseases", Clinical Diabetes and Nutrition Section, NIDDK, National Institutes of Health, Phoenix, Arizona, March 8, 2002
 18. "Non-traditional statistical approaches for the analysis of high-dimensional genetic data", Invited Session at the 2002 Joint Statistical Meetings, New York, New York, August 15, 2002
 19. "Computational approaches for detecting and characterizing gene-gene interactions", Invited Tutorial at the Pacific Symposium on Biocomputing, Kaua'i, Hawaii, January 3, 2003
 20. "Computational approaches for detecting and characterizing gene-gene interactions", Department of Cancer Biology, Wake Forest University School of Medicine, Winston-Salem, North Carolina, May 1, 2003
 21. "Complex systems strategies for cancer bioinformatics", Fred Hutchinson Cancer Research Center. Seattle, Washington, November 13, 2003.
 22. "The importance of epistasis for understanding breast cancer", NCI/NIH Breast SPORE Roundtable. Cambridge, Massachusetts, November 20, 2003
 23. "Complex Systems Strategies for Cancer Bioinformatics", Lombardi Cancer Center, Georgetown University, Washington D.C., December 8, 2003
 24. "Biocomputing strategies for the study of complex biological systems", Dartmouth College, Hanover, New Hampshire, January 19, 2004

25. "Biocomputing strategies for the study of complex biological systems", University of North Carolina, Chapel Hill, North Carolina, January 28, 2004
26. "Biocomputing strategies for the study of complex biological systems", Department of Computer Science, Colby College, Waterville, Maine, March 19, 2004
27. "Computational analysis of gene-gene interactions in cancer epidemiology", Invited session presentation for the 2004 meeting of the American Association for Cancer Research, Orlando, Florida, March 30, 2004
28. "Biocomputing strategies for the study of complex biological systems", University of Texas Southwestern Medical Center, Dallas, Texas, April 28, 2004
30. "Systems biology thought experiments for interpreting epistasis models", Invited session presentation at the 36th Symposium on the Interface: Computing Science and Statistics, Baltimore, Maryland, May 28, 2004
31. "Epistasis and human biology", Marshfield Clinic, Marshfield, Wisconsin, August 9th, 2004
32. "Bioinformatics", Colby-Sawyer College, New Hampshire, November 16, 2004
33. "Data mining in human genetics using multifactor dimensionality reduction", Celera Diagnostics, San Francisco, California, February 3, 2005
34. "Gene-gene interactions in cancer etiology", invited session presentation for the 2005 meeting of the American Association for Cancer Research (AACR), Anaheim, California, April 16, 2005
35. "Interpreting gene-gene interactions", invited session presentation for the 2005 meeting of the American Association for Cancer Research (AACR), Anaheim, California, April 16, 2005
36. "Bioinformatics: genotype to phenotype", invited tutorial presentation for the 2005 Genetic and Evolutionary Computation Conference (GECCO), Washington, D.C., June 25, 2005
37. "Traversing the conceptual divide between biological and statistical epistasis: Systems biology and a more modern synthesis", Department of Biology, University of Idaho, Moscow, Idaho, November 4, 2005
38. "Population biology: new concepts for modeling risk", Predictive Models of Cancer Susceptibility: Integrated Strategies workshop, Newport Beach, California, December 6
39. "Epistasis and cancer risk: A data mining approach", Predictive Models of Cancer Susceptibility: Integrated Strategies meeting, Newport Beach, California, December 6, 2005
40. "Detecting and interpreting epistasis in epidemiologic studies of common human diseases", Department of Epidemiology and Population Sciences, Albert Einstein College of Medicine, New York, New York, January 19, 2006
41. "Detecting and interpreting epistasis in epidemiologic studies of common human diseases", Department of Epidemiology, M.D. Anderson Cancer Center, Houston, Texas, March 16, 2006
42. "Bioinformatics", invited tutorial presentation for the 2006 Genetic and Evolutionary Computation Conference (GECCO), Seattle, Washington, July 8, 2006
43. "Genome-wide analysis of epistasis: Finding epistatic needles in a genomic haystack", Celera Diagnostics, San Francisco, California, August 14, 2006
44. "Symbolic modeling of epistasis using competent genetic programming", Celera Diagnostics, San Francisco, California, August 15, 2006
45. "Exploiting expert knowledge for genome-wide genetic analysis", Invited speaker for the Session on Physiological Genomics and Proteomics of Lung Diseases, Conference of the American Physiological Society, Ft. Lauderdale, Florida, November 3, 2006

46. "Detecting, characterizing, and interpreting epistasis using multifactor dimensionality reduction", Invited speaker for the Workshop on Statistical Genetics, Mayo Clinic, Rochester, Minnesota, November 29, 2006
47. "Detecting, characterizing, and interpreting epistasis", Department of Physics, University of Georgia, Athens, Georgia, March 22, 2007
48. "Genome-wide analysis of epistasis using computational intelligence and biological knowledge", Invited speaker for the American Association of Cancer Research conference on Approaches to Complex Pathways in Molecular Epidemiology, Albuquerque, New Mexico, May 31, 2007
49. "Integrated human and mouse systems genetics", Invited speaker for the Board of Scientific Advisors, National Cancer Institute, Bethesda, Maryland, June 29, 2007
50. "Genetic analysis of quantitative traits", Celera Diagnostics, Alameda, California, August 27, 2007
51. "A role for high-performance computing in the genetic analysis of common human diseases", Lawrence Livermore National Laboratory, Livermore, California, August 28, 2007
52. "Computational intelligence approaches to genome-wide genetic analysis", Translational Genomics Research Institute, Phoenix, Arizona, November 30, 2007
53. "A role for computational intelligence and expert knowledge in genome-wide association studies", Center for Computational Biology and Bioinformatics, University of Indiana, Indianapolis, Indiana, January 14, 2008
54. "Integrated systems genetics: risk models", National Cancer Institute Workshop on Integrated Systems Genetics: The Path Forward, Newport Beach, California, March 13, 2008
55. "Gene by gene interaction", Invited tutorial for the 8th Annual NIH/NIDDK Statistical Genetics Short Course for Obesity and Nutrition Researchers, San Diego, California, April 4, 2008
56. "An introduction to machine learning", Invited speaker, Educational Session on Machine Learning in Genetic Epidemiology, 2008 International Genetic Epidemiology Society meeting, St. Louis, Missouri, September 14, 2008
57. "Multifactor dimensionality reduction", Invited speaker, Educational Session on Machine Learning in Genetic Epidemiology, 2008 International Genetic Epidemiology Society meeting, St. Louis, Missouri, September 14, 2008
58. "Computational intelligence and the genetic analysis of common human diseases", Keynote speaker for the Department of Genetics Annual Retreat, University of Alabama Birmingham, Birmingham, Alabama, September 21, 2008
59. "Computational intelligence strategies for genome-wide genetic analysis", Oklahoma Medical Research Foundation (OMRF), Oklahoma City, Oklahoma, December 4, 2008
60. "Bioinformatics strategies for epistasis modeling in genome-wide association studies", Invited speaker for the Laurence H. Baker Center for Bioinformatics and Biological Statistics, Iowa State University, Ames, Iowa, February 13, 2009
61. "Computational intelligence and the genetic analysis of common human diseases", Invited speaker for the Department of Statistics, North Carolina State University, Raleigh, North Carolina, March 12, 2009
62. "Genetic analysis of vaccine adverse effects", Invited speaker for the Institute of Medicine, National Academy of Science, Washington D.C., June 24, 2009
63. "Epistasis and its implications for personal genetics", Invited speaker for the Genome Sciences Institute, Boston University. November 17, 2009

64. "Bioinformatics challenges for genome-wide association studies", Invited speaker for the Center for Computational Medicine and Bioinformatics, University of Michigan, February 24, 2010
65. "Bioinformatics challenges for genome-wide association studies", Invited speaker for the Program in Computational Biology, Fred Hutchinson Cancer Research Center, March 11, 2010
66. "Bioinformatics challenges for genome-wide association studies", Invited speaker for the Center for Computational Biology and Bioinformatics, Indiana University Medical School, March 18, 2010
67. "Bioinformatics strategies for gene-environment interaction analysis", National Institute of Environmental Health Sciences, May 27, 2010
68. "Epistasis and its implications for personal genetics", invited speaker for the Endowed H.C. Huang Lectureship, Department of Pharmacology and Toxicology, University of Louisville, Louisville, Kentucky, September 8, 2010
69. "Computational challenges for large-scale analysis", invited speaker for the workshop on Next Generation Analytic Tools for Large-Scale Genetic Epidemiology Studies of Complex Disease, National Institutes of Health, Bethesda, Maryland, September 15, 2010
70. "A systems approach to genetic epidemiology" invited speaker, Department of Epidemiology, M.D. Anderson Cancer Center, Houston, Texas, September 8, 2011
71. "Computational systems genetics and human health", invited speaker, Center for Biocomplexity, University of Notre Dame, South Bend, Indiana, September 27, 2011
72. "Machine learning approaches to the genetic analysis of complex traits", invited speaker, 175th Anniversary of the National Library of Medicine, Bethesda, Maryland, November 2, 2011
73. "Personal genomics and surgical care", invited speaker, Department of Surgery, West Virginia University Medical School, Morgantown, West Virginia, November 30, 2011
74. "Systems genetics approaches to cancer research", invited speaker, Randolph Cancer Center, West Virginia University Medical School, Morgantown, West Virginia, November 30, 2011
75. "Systems genetics approaches to neuroimaging phenotypes", invited speaker for the Eighth International Imaging Genetics Conference, Irvine, California, January 17, 2012
76. "Personal genetics: Are we trying to predict the unpredictable?", invited speaker, Julius L. Chambers Biomedical/Biotechnology Research Institute, North Carolina Central University, Durham, North Carolina, January 31, 2012
77. "Systems genetics approaches to human disease susceptibility", invited speaker, Center for Systems Genomics, Penn State University, State College, Pennsylvania, March 21, 2012
78. "Systems genetics approaches to human disease susceptibility", invited speaker, Center for Quantitative Sciences, Vanderbilt University, Nashville, Tennessee, April 20, 2012
79. "Systems genomics approaches to disease susceptibility", invited keynote speaker, NSF EPSCoR Workshop on Bioinformatics, Clinton Presidential Library, Little Rock, Arkansas, March 3, 2013
80. "Multifactor dimensionality reduction analysis of gene-gene interactions", invited speaker, Advances in Statistical Methods for Cancer Genetic Epidemiology symposium, Memorial Sloan Kettering Cancer Center, New York, New York, August 23, 2013
81. "Computational intelligence approaches to human genetics", invited speaker, Department of Computer Science, Bioinformatics and Computational Biology Program, Worcester Polytechnic Institute, Worcester, Massachusetts, September 13, 2013

82. "Computational intelligence methods for imaging genetics", invited speaker for the Ninth International Imaging Genetics Conference, Irvine, California, January 20, 2014
83. "Bioinformatics challenges for the simulation of genetics data", invited speaker for National Institutes of Health (NIH) Workshop on Simulation of Genetics Data, Bethesda, Maryland, March 11, 2014
84. "Integrating the biomedical sciences for personalized medicine: Translational bioinformatics", invited speaker, Department of Biomedical Informatics, The Ohio State University, Columbus, Ohio, March 20, 2014
85. "Statistical epistasis networks", invited speaker, Department of Biostatistics, MD Anderson Cancer Center, Houston, Texas, March 26, 2014
86. "Bioinformatics: 25 years of integrating the biological sciences", invited speaker, University of Hawaii Medical School, Honolulu, Hawaii, May 12, 2014
87. "Embracing the complexity of cancer genetics and genomics", Distinguished Lecturer, University of Hawaii Cancer Center, Honolulu, Hawaii, May 14, 2014
88. "A translational bioinformatics approach to embracing the complexity of human genomics", keynote speaker, Institute for Biomedical Informatics retreat, University of Pennsylvania, Philadelphia, Pennsylvania, May 30, 2014
89. "The important role of visualization in the communication of statistics", invited speaker, Joint Statistical Meetings (JSM), August 5, 2014
90. "Network science approaches to the genetic analysis of common diseases", invited speaker, Department of Medical and Molecular Genetics, Indiana University School of Medicine, Indianapolis, Indiana, August 14, 2014.
91. "Artificial intelligence strategies for the genetic analysis of common diseases", invited speaker, Department of Biomedical Informatics, The Ohio State University, Columbus, Ohio, October 7, 2014
92. "Artificial intelligence strategies for the analysis of big data", invited speaker for the Leveraging Big Data and Predictive Knowledge to Fight Disease event at the New York Academy of Sciences, New York, New York, July 28, 2015
93. "Artificial intelligence for biomedical research", invited speaker, Department of Computer Science, University of Arkansas Little Rock, Little Rock, Arkansas, February 25, 2016
94. "Artificial intelligence for biomedical research", invited speaker, Department of Computer Science, University of Arkansas Little Rock, Little Rock, Arkansas, February 25, 2016
95. "Artificial intelligence for precision medicine", invited speaker for the Vanderbilt Institute for Genetics, Nashville, Tennessee, March 16, 2016
96. "Artificial Intelligence for Data Science", keynote lecture for Data Science Day and Northwestern University, Chicago, Illinois, June 10, 2016
97. "Innovations in Computational Genetic Epidemiology", invited speaker for the U4C finalist symposium, National Cancer Institute, Bethesda, Maryland, September 12, 2016
98. "An automated data science assistant", Center for Computational Health Sciences, University of California San Francisco, San Francisco, California, November 3, 2016
99. "Tutorial on Automated Machine Learning", AMIA Translational Bioinformatics (TBI), San Francisco, California, March 28, 2017
100. "Tutorial on Visual Analytics", AMIA Translational Bioinformatics (TBI), San Francisco, California, March 28, 2017
101. "Automated data science", Department of Biomedical Informatics, University of Pittsburgh, Pittsburgh, Pennsylvania, April 28, 2017
102. "Artificial Intelligence for Everyone", keynote speaker for the Translational Bioinformatics Conference, Long Beach, California, September 30, 2017

103. "Accessible Artificial Intelligence", Network Science Institute, Indiana University, Bloomington, Indiana, October 16, 2017
104. "Accessible Artificial Intelligence for Biomedical Informatics", Division of Informatics, Johns Hopkins University, December 8, 2017
105. "A visual analytics future", invited keynote lecture for Pacific Symposium on Biocomputing, Big Island, Hawaii, January 5, 2018
106. "Accessible Artificial Intelligence", Genome Sciences Seminar, University of Virginia, Charlottesville, Virginia, January 24, 2018
107. "Accessible Artificial Intelligence for Data Science", Bioinformatics Seminar, University of Miami, Miami, Florida, April 27, 2018
108. "Accessible Artificial Intelligence for Data Science", Seminar for the Computational Biology and Bioinformatics Graduate Program, Yale University, New Haven, Connecticut, June 6, 2018
109. "Accessible Artificial Intelligence for Data Science", Invited Keynote Lecture for the International Conference on Intelligent Biology and Medicine (ICIBM), Los Angeles, California, June 12, 2018
110. "Accessible Artificial Intelligence", National Institute of Aging, National Institutes of Health, Bethesda, Maryland, August 29, 2018
111. "Accessible Artificial Intelligence for Data Science", Invited lecture, NIDDK Workshop on Environmental Determinants of Diabetes in the Young (TEDDY), Washington D.C. December 10, 2018
112. "Accessible Artificial Intelligence for Data Science", Keynote lecture, Workshop on Translational Informatics of Population Health, Pacific Symposium on Biocomputing, Big Island, Hawaii. January 3, 2019
113. "Accessible Artificial Intelligence for Data Science", Invited lecture, Department of Biomedical Informatics, Salt Lake City, Utah. January 17, 2019
114. "Accessible Artificial Intelligence for Data Science", Invited lecture, Department of Computer Science, Southern Illinois University, Carbondale, Illinois. April 11, 2019
115. "Accessible Artificial Intelligence for Data Science", Keynote speaker, Washington University, St. Louis, Missouri. April 12, 2019
116. "Accessible Artificial Intelligence for Data Science", Invited lecture, Annual meeting of the Human Islet Cell Research (HIRN) Network. April 30, 2019
117. "Accessible Artificial Intelligence for Data Science", Invited lecture, National Cancer Institute, Rockville, Maryland, May 2, 2019
118. "Accessible artificial intelligence for data science", Invited speaker, Lifetime Data Science Conference, Pittsburgh, Pennsylvania, May 28, 2019
119. "Accessible artificial intelligence for the environmental health sciences", Keynote speaker, National Academy of Science, Washington D.C., June 6, 2019
120. "Accessible artificial intelligence for data science", Invited speaker, Joint Statistical Meetings (JSM), Denver, Colorado, July 28, 2019.
121. "Accessible artificial intelligence for data science", Invited speaker, Department of Population and Quantitative Sciences, Case-Western Reserve University, October 28, 2019
122. "20 challenges of artificial intelligence in medicine", Keynote speaker, TransMed Workshop, Conference on Intelligent Systems in Molecular Biology (ISMB), July 15, 2020.
123. "Automated machine learning analysis of metabolomics data", Invited lecture, National Institute of Aging, August 21, 2020.

124. "Accessible artificial intelligence for data science", Invited speaker, Department of Biomedical Informatics, University of Washington, October 29, 2020.
125. "Accessible artificial intelligence for data science", Invited speaker, Panel on Explainable Artificial Intelligence, Annual Meeting of the American Medical Informatics Association (AMIA), November 18, 2020.
126. "Machine learning prediction of ICU admissions among patients hospitalized for COVID-19", Invited speaker, Department of Biomedical Informatics, Harvard Medical School, Boston, December 2, 2020.
127. "Accessible artificial intelligence for data science", Invited speaker, Division of Biomedical Informatics, Cincinnati Children's Hospital, January 29, 2021.
128. "Accessible artificial intelligence for data science", Invited speaker, Department of Biomedical Informatics, University at Buffalo, February 11, 2021
129. "Accessible artificial intelligence for data science", Invited Science at the Edge Speaker, Michigan State University, April 16, 2021
130. "Accessible artificial intelligence for data science", Invited keynote speaker, The ACM Conference on Bioinformatics, Computational Biology, and Health Informatics, August 1, 2021.

Regional and Extramural Local Presentations

1. "Simulation of gene expression patterns in cDNA microarray data", American Statistical Association, Middle Tennessee Chapter, Nashville, Tennessee, November 19, 1999
2. "New paradigms for the analysis of high-dimensional genetic data", Department of Mathematics, University of Tennessee, Chattanooga, Tennessee, November 6, 2001
3. "Genetic architecture of intermediate traits for arterial thrombosis in Africa and The Netherlands". Third Annual Vanderbilt-Meharry Genetics Symposium, Vanderbilt University, Nashville, Tennessee, September 20, 2002.
4. "Computational approaches for detecting and characterizing gene-gene interactions in multifactorial diseases", 2003 University of Tennessee - Oak Ridge National Laboratory Bioinformatics Summit, Pikeville, Tennessee, March 28, 2003
5. "Petri nets for modeling high-order genetic systems", 2004 SIAM Conference on Discrete Mathematics, Nashville, Tennessee, June 13, 2004
6. "Machine learning analysis of attribute interactions in human genetics", University of New Hampshire, Durham, New Hampshire, December 10, 2004
7. "Epistasis and human diseases", New England Complex Systems Institute, Cambridge, Massachusetts, May 3, 2005
8. "Computational human genetics", keynote speaker for the 2005 Computer Science Research Day, Department of Computer Science, University of Vermont, Burlington, Vermont, August 26, 2005
9. "Quantitative biology in New England", invited presentation for the Northeast Regional IDeA Meeting, Burlington, Vermont, August 17, 2007
10. "Detecting, characterizing, and interpreting epistasis", James Graham Brown Cancer Center, University of Louisville, Louisville, Kentucky, September 18, 2007
11. "Genome-wide genetic analysis using computational intelligence", New England Biolabs, Ipswich, Massachusetts, November 1, 2007
12. "Computational intelligence and the genetic analysis of common human diseases", Invited speaker for the Maine Software and Information Technology Industry Association (MESDA), Westbrook, Maine, August 21, 2008

13. "Embracing complexity in the genome-wide analysis of neuroimaging phenotypes", Invited speaker for the Fifth International Imaging Genetics Conference, Irvine, California, January 19, 2009
14. "Bioinformatics: Challenges and opportunities." Invited presentation for the Northeast Regional IDeA Meeting, Mountain View Grand Resort, New Hampshire, August 7, 2009
15. "Bioinformatics challenges for genome-wide association studies", Invited speaker for the Center for Computational Molecular Biology and the Department of Psychiatry and Human Behavior, Brown University. November 18, 2009. (Host: Steven Rasmussen).
16. "Personal genetics", invited speaker, University of Southern Maine, Portland, Maine, April 5, 2011
17. "Collaborative bioinformatics across Northern New England", invited speaker for Workshop on Bioinformatics, Mount Desert Island Biological Laboratory, Bar Harbor, Maine, October 6, 2012
18. "Bioinformatics: 25 years of integrating the biological sciences", 26th Presidential Faculty Lecturer, Dartmouth College, Hanover, New Hampshire, March 31, 2014
19. "Artificial intelligence and visual analytics", keynote speaker for the 8th Annual Mid-Atlantic Healthcare Informatics Symposium, Philadelphia, Pennsylvania, October 23, 2015.
20. "Artificial intelligence in medicine", invited speaker, Institute for Operations Research and the Management Sciences (INFORMS), Philadelphia Chamber of Commerce, Philadelphia, Pennsylvania, April 21, 2016.
21. "Artificial intelligence for precision medicine", invited speaker for the Biomarker World Congress, Philadelphia, Pennsylvania, May 17, 2016.
22. "Automated data science", Center for Data Analytics and Biomedical Informatics, Temple University, Philadelphia, Pennsylvania, September 28, 2016
23. "Accessible Artificial Intelligence", Big Data Symposium, American Statistical Association, Philadelphia, Pennsylvania, October 12, 2017

TEACHING ACTIVITIES

2000-2001	Course Director, Tutorials in Physiology (MPB324), Vanderbilt University
2000-2004	Lecturer (2-3 lectures), Human Genetics (MPB340), Vanderbilt University
2000-2004	Director, Graduate Program in Applied Statistics, Vanderbilt University
2002-2004	Biostatistics Section Director (6 lectures), Interdisciplinary Graduate Program First Year Course, Vanderbilt University
2006-2014	Course Director and Lecturer, Molecular and Computational Genomics (Genetics 146), Dartmouth College
2006-2014	Lecturer (2 lectures), Graduate Program in Molecular and Cellular Biology First Year Course (Biochemistry 103), Dartmouth College
2006-2014	Lecturer (1 lecture), Molecular Pharmacology (Pharm 131), Dartmouth College
2006-2014	Lecturer (2 lectures), Experimental and Molecular Medicine (PEMM 101), Dartmouth College
2007-2014	Lecturer (1 lecture), Advanced Medical Sciences, Dartmouth College
2011-2015	Director, Ph.D. Training Program in Quantitative Biomedical Sciences, Dartmouth College
2011-2015	Course Director and Lecturer, Integrative Biomedical Sciences I (QBS 110), Dartmouth College
2013-2015	Course Director and Lecturer, Integrative Bioemdmical Science II (QBS 111), Dartmouth College

2016-2020	Lecturer (1 lecture), Computational Data Explorations (CS015), University of Pennsylvania
2016-2020	Lecturer (1 lecture), Data Science (EPID 600), University of Pennsylvania
2017-2020	Lecturer (1 lecture), Molecular Toxicology (PHRM 590), University of Pennsylvania
2017-2020	Lecturer (1 lecture), Medical Informatics (Frontiers 519), University of Pennsylvania
2018-2020	Lecturer (1 lecture), Precision Medicine (Frontiers 531), University of Pennsylvania
2018-2021	Course Director, Special Topics in Biomedical Informatics (BMIN 504), University of Pennsylvania
2019-2021	Founder, Certificate Program in Biomedical Informatics, University of Pennsylvania
2019-2021	Founder, Master's Program in Biomedical Informatics, University of Pennsylvania

BIBLIOGRAPHY/PUBLICATIONS

Research Papers – Peer-Reviewed (Published):

1. Al-Kasspoles, M., **Moore, J.H.**, Orringer, M.B., and Beer, D.G. Amplification and overexpression of the EGFR and erbB-2 genes in human esophageal adenocarcinomas. International Journal of Cancer 54, 213-219 (1993).
2. Wu, G.D., Beer, D.G., **Moore, J.H.**, Orringer, M.B., Appelman, H.D., and Traber, P.G. Sucrase-isomaltase gene expression in Barrett's esophagus and adenocarcinoma. Gastroenterology 105, 837-844 (1993).
3. **Moore, J.H.**, Lesser, E.J., Erdody, D.H., Natale, R.B., Orringer, M.B., and Beer, D.G. Intestinal differentiation and p53 gene alterations in Barrett's esophagus and esophageal adenocarcinoma. International Journal of Cancer 56, 487-493 (1994).
4. Bongiorno, P.F., Whyte, R.I., Lesser, E.J., **Moore, J.H.**, Orringer, M.B., and Beer, D.G. Alterations of K-ras, p53 and erbB-2/neu in human lung adenocarcinomas. Journal of Thoracic and Cardiovascular Surgery 107, 590-595 (1994).
5. Bongiorno, P.F., Al-Kasspoles, M., Lee, S.W., Rachwal, W.J., **Moore, J.H.**, Whyte, R.I., Orringer, M.B., and Beer, D.G. E-cadherin expression in primary and metastatic thoracic neoplasms and in Barrett's oesophagus. British Journal of Cancer 71, 166-172 (1995).
6. **Moore, J.H.** Artificial intelligence programming with LabVIEW: Genetic algorithms for instrumentation control and optimization. Computer Methods and Programs in Biomedicine 47, 73-79 (1995).
7. **Moore, J.H.**, Reilly, S.L., Ferrell, R.E. and Sing, C.F. The role of the apolipoprotein E polymorphism in the prediction of coronary artery disease age of onset. Clinical Genetics 51, 22-25 (1997).
8. Schwartz, G.L., Turner, S.T., **Moore, J.H.** and Sing, C.F. Predictors of interindividual variation in ambulatory blood pressure and their time and/or activity dependence. American Journal of Hypertension 13, 52-60 (2000).
9. **Moore, J.H.** Detection of linear and nonlinear dependencies in time series using the method of surrogate data in S-PLUS. Computer Methods and Programs in Biomedicine, 63, 117-121 (2000).

10. Schwartz, G.L., Turner, S.T., **Moore, J.H.** and Sing, C.F. Effect of time of day on intraindividual variability in ambulatory blood pressure. American Journal of Hypertension, 13, 1203-1209 (2000).
11. Parker, J.S. and **Moore, J.H.** Dynamics based pattern recognition and parallel genetic algorithms for the analysis of multivariate gene expression data. In: Proceedings of the Genetic and Evolutionary Computation Conference Workshop Program, San Francisco, pp 433-436 (2001).
12. **Moore, J.H.** and Hahn, L.W. Multilocus pattern recognition using cellular automata and parallel genetic algorithms. In: Spector, L., Goodman, E.D., Wu, A., Langdon, W.B., Voigt, H.-M., Gen, M., Sen, S., Dorigo, M., Pezeshk, S., Garzon, M.H., Burke, E. (eds) Proceedings of the Genetic and Evolutionary Computation Conference, Morgan Kaufmann Publishers, San Francisco, p 1452 (2001).
13. **Moore, J.H.**, Parker, J.S. and Hahn, L.W. Symbolic discriminant analysis for mining gene expression patterns. In: De Raedt, L., Flach, P. (eds) Lecture Notes in Artificial Intelligence 2167, pp 372-381, Springer-Verlag, Berlin (2001).
14. Ritchie, M.D., Hahn, L.W., Roodi, N., Bailey, L.R., Dupont, W.D., Parl, F.F. and **Moore, J.H.** Multifactor dimensionality reduction reveals high-order interactions among estrogen metabolism genes in sporadic breast cancer. American Journal of Human Genetics 69, 138-147 (2001).
15. **Moore, J.H.** Improved power of sib-pair linkage analysis using measures of complex trait dynamics. Human Heredity 52, 113-115 (2001).
16. **Moore, J.H.** and Hahn, L.W. A cellular automata approach to detecting interactions among single-nucleotide polymorphisms in complex multifactorial diseases. Pacific Symposium on Biocomputing 7, 53-64 (2002).
17. **Moore, J.H.**, Hahn, L.W., Ritchie, M.D., Thornton, T.A., White, B.C. Application of genetic algorithms to the discovery of complex models for simulation studies in human genetics. In: W.B. Langdon, E. Cantu-Paz, K. Mathias, R. Roy, D. Davis, R. Poli, K. Balakrishnan, V. Honavar, G. Rudolph, J. Wegener, L. Bull, M.A. Potter, A.C. Schultz, J.F. Miller, E. Burke, and N. Jonoska (eds). Proceedings of the Genetic and Evolutionary Computation Conference, Morgan Kaufmann Publishers, San Francisco, pp 1150-55 (2002).
18. **Moore, J.H.**, Hahn, L.W. Cellular automata and genetic algorithms for parallel problem solving in human genetics. In: Merelo, J.J., Panagiotis, A., Beyer, H.-G. (eds) Lecture Notes in Computer Science 2439, pp 821-830, Springer-Verlag, Berlin (2002).
19. **Moore, J.H.** and Williams, S.M. New strategies for identifying gene-gene interactions in hypertension. Annals of Medicine 34, 88-95 (2002).
20. **Moore, J.H.**, Lamb, J.M., Brown, N.J., Vaughan, D.E. A comparison of combinatorial partitioning and linear regression for the detection of epistatic effects of the *ACE I/D* and *PAI-1 4G/5G* polymorphisms on plasma PAI-1 levels. Clinical Genetics 62, 74-79 (2002).
21. **Moore, J.H.**, Smolkin, M.E., Lamb, J.M., Brown, N.J., Vaughan, D.E. The relationship between plasma t-PA and PAI-1 levels is dependent on epistatic effects of the *ACE I/D* and *PAI-1 4G/5G* Polymorphisms. Clinical Genetics 62, 53-59 (2002).
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