

# CURRICULUM VITAE

## I. Biographical Sketch

Name: Matthew Bruce McQueen

Current Positions: Professor of Integrative Physiology  
Faculty Fellow at the Institute for Behavioral Genetics (IBG)  
Faculty Associate at the Institute of Behavioral Science (IBS)  
University of Colorado Boulder

Director, Public Health Certificate Program  
College of Arts & Sciences  
University of Colorado Boulder

Associate Professor of Epidemiology (secondary appointment)  
Colorado School of Public Health  
University of Colorado Anschutz Medical Campus

Work Address: Department of Integrative Physiology  
354 UCB  
University of Colorado Boulder  
Boulder, CO 80309  
Phone: (303) 735-5158  
Fax: (303) 492-4009  
Email: matt.mcqueen@colorado.edu

## II. Education

University of Colorado Boulder; Boulder, CO <i>Bachelor of Arts</i> (B.A.) in Psychology (Neuroscience Emphasis) Graduated <i>Magna Cum Laude</i>	1996
University of Washington School of Public Health; Seattle, WA <i>Master of Science</i> (M.S.) in Public Health (Certificate in Public Health Genetics) Advisor: James Woods, Ph.D. (Environmental Health/Toxicology)	2000
Harvard School of Public Health; Boston, MA <i>Doctor of Science</i> (Sc.D.) in Epidemiology (Minor in Biostatistics) Advisors: Nan Laird, Ph.D. (Biostatistics) and Deborah Blacker, M.D./Ph.D. (Epidemiology)	2005
Harvard School of Public Health; Boston, MA <i>Postdoctoral Fellowship</i> in Biostatistics Advisor: Nan Laird, Ph.D. (Biostatistics)	2006

### III. Appointments and Professional Experience

<i>Research Assistant</i> Behavioral Neuroscience Laboratory; University of Colorado Boulder; Boulder, CO	1994 - 1996
<i>Volunteer Coordinator</i> Kikuyu Hospital Building Project; Kikuyu, Kenya; East Africa	1997
<i>Mental Health Worker</i> Behavioral Health Services; Boulder Community Hospital; Boulder, CO	1998
<i>Graduate Research Assistant</i> Department of Environmental Health; University of Washington; Seattle WA	1998 - 2000
<i>Scientific Programmer</i> National Alzheimer's Coordinating Center; University of Washington; Seattle WA	2000 - 2001
<i>Predoctoral Research Fellow</i> Department of Epidemiology; Harvard School of Public Health; Boston, MA	2001 - 2005
<i>Postdoctoral Research Fellow</i> Department of Biostatistics; Harvard School of Public Health; Boston, MA	2005 - 2006
<i>Assistant Professor</i> Department of Psychology & Neuroscience; University of Colorado Boulder; Boulder, CO	2006 - 2009
<i>Faculty Fellow</i> Institute for Behavioral Genetics (IBG); University of Colorado Boulder; Boulder, CO	2006 - Present
<i>Assistant Professor</i> Department of Integrative Physiology; University of Colorado Boulder; Boulder, CO	2009 - 2013
<i>Faculty Associate</i> Institute of Behavioral Science (IBS); University of Colorado Boulder; Boulder, CO	2009 - Present
<i>Assistant Professor (Secondary Appointment)</i> Department of Epidemiology, Colorado School of Public Health; Denver, CO	2010 - 2103
<i>Director</i> Biostatistics Core, CTRC; University of Colorado Boulder; Boulder, CO	2010 - 2017
<i>Visiting Professor</i> School of Public Health, University of the Witwatersrand; South Africa	May 2013
<i>Associate Professor</i> Department of Integrative Physiology; University of Colorado Boulder; Boulder, CO	2013 - 2020
<i>Associate Professor (Secondary Appointment)</i> Department of Epidemiology, Colorado School of Public Health; Denver, CO	2013 - Present
<i>Director</i> Public Health Certificate Program, University of Colorado Boulder; Boulder, CO	2014 - Present
<i>Visiting Professor</i> School of Public Health, University of the Witwatersrand; South Africa	Spring 2016
<i>Visiting Professor</i> Computational Biology, University of Cape Town; South Africa	Spring 2016
<i>Director</i> Pac-12 Concussion Coordinating Unit; University of Colorado Boulder; Boulder, CO	2017 - Present
<i>Professor</i> Department of Integrative Physiology; University of Colorado Boulder; Boulder, CO	2020 - Present

#### IV. Honors and Special Recognitions

<i>Magna Cum Laude</i> Department of Psychology, University of Colorado Boulder	1996
<i>National Institute of Mental Health Predoctoral Fellowship</i> Department of Epidemiology, Harvard School of Public Health	2001 - 2005
<i>Certificate of Distinction in Teaching</i> Department of Biostatistics, Harvard School of Public Health	2004
<i>National Institute of Mental Health Postdoctoral Fellowship</i> Department of Biostatistics, Harvard School of Public Health	2005 - 2006
<i>The David Clough Faculty Award</i> Department of Intercollegiate Athletics, University of Colorado Boulder	2010
<i>Boulder Faculty Assembly (BFA) Excellence in Leadership and Service Award</i> University of Colorado Boulder	2018

#### V. Professional Affiliations

Member, Society for Epidemiologic Research	2003 - Present
Member, Population Association of America	2014 - Present

#### VI. Committee and Service Responsibilities

- Served as chair of over 20 committees and served as a member of over 30 committees spanning faculty hiring to campus- and system-wide initiatives

#### VII. Review, Referee and Consultation

##### Manuscript and Textbook Review

- Reviewer for over 70 academic journals and textbooks (list available upon request)

##### Grant Review

- Served on 17 grant review panels (primarily NIH)

##### Professional Consultation

Statistical Consultant, Alzheimer's Disease Genetics (AlzGene)	2004 - 2015
Statistical Consultant, Alzheimer's Disease Epidemiology (AlzRisk)	2005 - 2015
Meta-Analysis Consultant, Gene Environment Association Studies (GENEVA)	2008 - 2015
Statistical Consultant, Neurological Disease Genetics (SzGene, PDGene, MSGene)	2009 - 2015
Statistical Consultant, Korean National Institutes of Health (KNIH)	2010
Genetic Epi Consultant, National Institute for Mental Health (NIMH) Prevention Meeting	2010

#### VIII. Invited Presentations

- Delivered over 60 invited presentations to regional, national and international audiences

## **IX. Teaching**

### Program Development

- Developed a number of programs including the public health certificate and data science

### Regional, National and International Workshops

- Developed and delivered 14 data and statistical workshops across the globe - from South Korea to Boston MA to South Africa

### Primary Course Instructor

- Statistical Genetics
- Undergraduate Introductory Statistics
- Undergraduate Introductory Epidemiology
- Graduate Advanced Biostatistics
- Advanced Molecular and Genetic Epidemiology
- Public Health Practicum

## **X. Advisory and Supervisory Responsibilities**

### Mentored Scientists, Postdoctoral Trainees and Predoctoral Trainees

- Served as primary mentor for 13 research and clinical scientists, 3 postdoctoral fellows and 10 graduate students in addition to serving on 40 predoctoral committees

## **XI. Research Productivity**

### Refereed Journal Articles, Abstracts, Book Chapters, Editorials and Commentary

- Author of over 80 peer-reviewed publications which have been cited over 8500 times
- Author of over 70 scientific abstracts

### Externally Funded Research Support

- 9 externally funded Principal Investigator (PI) projects
  - Over \$14M awarded (total direct costs)
- 10 externally funded Co-Investigator (Co-I) projects
  - Over \$30M awarded (total direct costs)

## **XII. Media Relations and Public Education**

### Concussion Research

CU Boulder Leading Pac-12 Study on Athletes' Health. *Boulder Daily Camera*, August 30, 2016.  
<https://www.dailycamera.com/2016/08/30/cu-boulder-leading-pac-12-study-on-athletes-health/>

Inside the Device that May Show if it will Ever Be Safe to Play Football. *Westword*, December 26, 2017.  
<https://www.westword.com/news/devon-bailey-police-shooting-body-camera-video-update-11449551>

Role of Rule Changes in the NFL on Concussion Risk. *850 KOA Radio Interview*, July 31, 2018.

Pac-12 Studies Concussions with Assist from Virtual Reality. *San Jose Mercury News*, August 23, 2018.  
<https://www.mercurynews.com/2018/08/23/using-virtual-reality-pac-12-research-project-aims-to-unpack-the-history-of-concussion/>

University of Colorado Host Campus Report: Panel on Student-Athlete Safety, Health and Wellness in Intercollegiate Athletics. *University of Colorado Board of Regents Meeting*, June 13, 2019.  
[https://go.boarddocs.com/co/cu/Board.nsf/files/BD4LW55835EE/\\$file/CUAthletics\\_Regents\\_061319\\_FINAL.pdf](https://go.boarddocs.com/co/cu/Board.nsf/files/BD4LW55835EE/$file/CUAthletics_Regents_061319_FINAL.pdf)

CU Among the Leaders in Student-Athlete Health and Wellness. *Boulder Daily Camera*, June 13, 2019.  
<https://www.buffzone.com/2019/06/13/cu-among-the-leaders-in-student-athlete-health-and-wellness/>

Concussions: How Science is Shaping the Future of America's Favorite Sport. *CU Boulder Brainwaves Podcast*, August 13, 2019.  
<https://www.colorado.edu/today/2019/08/13/concussions-how-science-shaping-future-americas-favorite-sport>

Head Trauma Research: Colorado Projects (funded by the Pac-12) Aims to Reduce, and Understand, Concussions. *Jon Wilner's Pac-12 Hotline* (published in the *San Jose Mercury News*, *Denver Post*, *Seattle Times* among others), August 14, 2019.  
<https://www.seattletimes.com/sports/pac-12/from-polymers-to-vr-goggles-inside-the-pac-12-funded-epicenter-for-concussion-research/>

### COVID-19 Pandemic Response

Coronavirus control measures aren't pointless - just slowing down the pandemic could save millions of lives. *The Conversation*, March 11, 2020.  
<https://theconversation.com/coronavirus-control-measures-arent-pointless-just-slowing-down-the-pandemic-could-save-millions-of-lives-133468>

COVID-19 Panel Discussion. *KGNU News*, March 20, 2020.  
<https://news.kgnu.org/2020/03/covid-19-panel-discussion/>

COVID-19 CU Boulder Off Campus Parties - Superspreaders. *How on Earth, The KGNU Science Show*, September 15, 2020.  
<http://howonearthradio.org/archives/7779>