

Andrew Inglis

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EDUCATION

- ◇ **Boston University**, Boston, MA. (2009-current)
Post-Doctoral Research Topics:
Direction sensitive dark matter detector development. Advisor: Steven Ahlen
Lithium/Boron based thin film neutron detector development. Advisor: Steven Ahlen
Whole brain cellular identification and spatial analysis. Advisor: H.E. Stanley
- ◇ **Boston University**, Boston, MA. (2003-2009)
Ph.D. in Physics.
Thesis: *Measuring neuron/glial cellular arrangement in the mammalian cortex.*
- ◇ **Johns Hopkins University**, Baltimore, MD. (2000-2002)
M.A.T. in Secondary Science Education
- ◇ **University of Virginia**, Charlottesville, VA. (1996-2000)
M.S. in Engineering Science with a focus on physics.
Thesis: *Design and Creation of the Heartbeat-Music Playback Device.*

SERVICE

- ◇ Reviewer, *Proceedings of the National Academy of Science* (2009)
- ◇ Chief computing system administrator. Center for Polymer Studies at Boston University (2007-2009)
- ◇ Representative, Physics Graduate Student Committee. (2005)
- ◇ Representative, Teach for America/Johns Hopkins University/Baltimore City Public School System Steering Committee. (2000-2002)
- ◇ Member, UMBC Physics Department Education Advisory Board. (2000-2002)
- ◇ Representative, University of Virginia Bicycle Steering Committee. (1998-2000)
- ◇ President, University of Virginia Cycling Team. (1998-2000)

AWARDS

- ◇ Best poster for new experimental device, Science and Engineering Day, Boston University. (2009)
- ◇ BU Physics Chairman's Book Prize. (2005)
- ◇ National Collegiate Road Cycling Champion. (2002)
- ◇ USA Cycling All-American. (2002)
- ◇ Standards Based Education Grant Recipient, Johns Hopkins University. (2001)
- ◇ Ecosystems Grant Recipient, Baltimore City School District (2001)

PUBLICATIONS

- ◇ **Inglis A**, Roe DL, Cruz L, Stanley HE, and Rosene DL, Urbanc B, "Automated identification of neurons and their locations," *Journal of Microscopy* **230**, 339-352 (2008).
- ◇ Cruz L, Roe DL, Urbanc B, **Inglis A**, Stanley HE, Rosene DL, "Age-related reduction in microcolumnar structure correlates with cognitive decline in ventral but not dorsal area 46 of the rhesus monkey," *Neuroscience*. In Press, Nov (2008).

- ◇ Cruz L, Urbanc B, **Inglis A**, Rosene DL, and Stanley HE, "Generating a Model of the Three-dimensional Spatial Distribution of Neurons Using Density Maps," *Neuroimage* **40**, 1105-1115 (2008).
- ◇ Rocarro A, Tomita H, Ahlen S, Avery D, **Inglis A**, Otis K, Dujmic D, Dutta V, Fisher P, Henderson S, Kaboth A, Kohse G, Lanza R, Monroe J, Skvorodnev N, Vanderspek R, Wellenstein H, R. Yamamoto R, "A Direction Sensitive Neutron Detector," *Nuclear Instruments and Methods in Physics Research Section A*, **608**, 305-309. (2009)
- ◇ **Inglis A**, "Scalable consensus driven document creation", *in preparation*.

- TEACHING EXPERIENCE
- ◇ **Chelsea School District**, Chelsea, MA. (2004-2005)
Work done under the NSF GK12 Fellowship Grant.
 - ◇ **Media and Technology Charter High School**, Boston, MA. (2003-2004)
Taught AP Physics to 8 students. Classes were held at the high school and Boston University classrooms. Work done under the NSF GK12 Fellowship Grant.
 - ◇ **KIPP Ujima Village Academy Charter Middle School**, Baltimore, MA. (2002-2003)
Conducted after school mathematics program for middle school students.
 - ◇ **Center For Talented Youth**, Pepperdine University, Malibu, CA (summer 2002)
Taught Flight Science to gifted middle school students.
 - ◇ **Teach For America**, Frederick Douglass High School, Baltimore, MD (2000-2002)
Taught Physics, Earth Science, and Environmental Science.
Created and coached a competitive chess club throughout the year.