Kimberlee D'Ardenne

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Education

Princeton University, Princeton, NJ 2002-2008

- Ph.D. in Chemistry and Neuroscience completed June 2008, degree awarded September 2008
    - Ph.D. adviser: Jonathan D. Cohen, M.D., Ph.D.
- Master of Arts in Chemistry, October 2003 (adviser: Wolfgang Richter, Ph.D.)

Davidson College, Davidson, NC 1998-2002

- Bachelor of Science, graduated Cum Laude (GPA greater than 3.5).
- Honors in Chemistry (successfully defended senior thesis, Chemistry GPA greater than 3.5)

Publications

Peer reviewed papers

D'Ardenne K, McClure SM, Nystrom LE, Cohen JD. 2008. BOLD responses reflecting dopaminergic signals in the human ventral tegmental area. *Science* 319: 1264-1267.

McClure KD, McClure SM, Richter MC, Richter W. 2005. Kinetics of the BOLD response depend on inter-stimulus time. *NeuroImage* 27: 817-823.

Conference abstracts

D'Ardenne K, McClure SM, Nystrom LE, Cohen JD 2007. BOLD responses in the dopaminergic ventral tegmental area. *Society for Neuroscience.*

D'Ardenne K 2007. Brainstem imaging: fMRI of midbrain dopamine nuclei an the locus coeruleus. *Winter Conference on Brain Research*.

McClure KD, McClure SM, Nystrom LE, Cohen JD 2006. Functional MRI of midbrain dopamine nuclei. *Organization for Human Brain Mapping*.

D'Ardenne KA, McClure SM, Richter MC, Cohen JD, Richter W 2004. Rest Matters: Kinetics of the BOLD response depend on inter-stimulus time. *Society for Neuroscience*.

Benharrosh MS, Roussos EC, Takerkart S, D'Ardenne KA, Richter W, Cohen JD, Daubechies IC 2004. ICA components in fMRI analysis: Independent sources? *Neuroinformatics: The Human Brain Project.*

D'Ardenne KA, McClure SM, Richter W 2004. Rest Matters: Hysteresis effects in the BOLD response. *Organization for Human Brain Mapping*.

Pending manuscripts
D'Ardenne K, McClure SM, Field BA, Nystrom LE, Cohen JD. (in preparation) Buddhist meditation modulates subjective experience of reward and BOLD responses in the ventromedial prefrontal cortex.

Benharrosh M, Roussos E, Takerkart S, D'Ardenne K, Golden C, Richter W, Cohen JD, Haxby JV, Daubechies I. (under review) To be or not to be independent: a mathematical discussion of ICA-decompositions of fMRI data.

Teaching Experience
Princeton University, Princeton, NJ 2003-2004

- Chemistry 372: Laboratory Assistant Instructor
  - Junior level laboratory course
- Chemistry 202: Lecture Assistant Instructor
  - Second semester freshman chemistry

Funding
Institutional NRSA in Quantitative Neuroscience, 2005-2007

Invited Talks
Princeton University Neuroscience Retreat, Princeton University
"Rest Matters: Hysteresis in the BOLD response" May 2004
Human Neuroimaging Laboratory, Baylor College of Medicine
"Rest Matters: Hysteresis in the BOLD response" July 2004
Cornell University Weill College of Medicine, Sackler Institute for Developmental Neuroscience
"fMRI of midbrain dopamine neurons" March 2006
Gatsby Computational Neuroscience Unit, University College London
"Brainstem imaging: fMRI of midbrain dopamine neurons" July 2006

Refereeing
NeuroImage