

# Jeffrey C. Erlich

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## Education

**New York University** *PhD, Center for Neural Science* graduated May 2006  
**McGill University** *BSc Ad Hoc Joint Honours Computer Science and Neuroscience* 1994-1998

## Awards and Honours

**Howard Hughes Medical Institute** *Predoctoral Fellowship in the Biological Science* 2000-2005  
**Society for Neuroscience** *FENS Travel Award* 2004  
**McGill University** *Dean's Honour List* 1996

## Work Experience

**Princeton University** *Postdoctoral Fellow (Advisor: C.D. Brody)* Dec 2006-present  
**Cold Spring Harbor Laboratory** *Postdoctoral Fellow (Advisor: C.D. Brody)* Sept-Dec 2006  
**New York University** *Postdoctoral Fellow, (Advisor: J.E. LeDoux)* Summer 2006  
**Prologue** *Consultant* Fall 2005  
Performed due diligence for a neuroscience technology venture. Lead: Nimrod Goor.  
**New York University** *Teaching Assistant* Fall 2001  
TA for Cellular and Molecular Neuroscience:Lab, Taught by Profs. Aoki and Reyes.  
**New York University** *Teaching Assistant* Spring 2000  
TA for Cellular and Molecular Neuroscience:Lecture, Taught by Profs. Aoki and Reyes.  
**Nevo Technologies** *Computer Systems Analyst* 1998-1999  
Develop education registration system for Harvard University. Designed Electronic Sectioning system (<http://www.registrar.fas.harvard.edu/section>) including web interface, servlets, database and Java server objects. Lead: Jonathan Clay  
**McGill University** *Research Staff, Department of Psychology* Summer 1996  
Role of hippocampus in spatial information processing. Advisor : Dr. Matthew Shapiro.  
**Clarke Institute of Psychiatry** *Research Staff, Human Brain Lab* Summer 1995  
Phospholipid metabolism in human brain pathology. Advisors : Drs. Steven Kish & Brian Ross  
**Clarke Institute of Psychiatry** *Research Staff, Human Brain Lab* Winter/Spring 1994  
Phospholipid metabolism in blood of schizophrenics, bi-polars and controls. Advisors : Drs. Steven Kish & Brian Ross

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### Peer-Reviewed Publications

Jeffrey C Erlich, David EA Bush, Joseph E LeDoux. **The role of the lateral amygdala in the retrieval and maintenance of 'steady-state' fear expression.** (*Submitted*)

Jeffrey C Erlich, June-Seek Choi, David EA Bush, Carlos D. Brody, Joseph E LeDoux. **Distinct activity in the lateral amygdala and prefrontal cortex during moment-to-moment changes in fear expression.** (*In Prep*)

Brian M. Ross, Craig Hudson, Jeffrey Erlich, Jerry J. Warsh, Stephen J. Kish. **Increased Phospholipid Break-down in Schizophrenia: Evidence for the Involvement of a Calcium-Independent Phospholipase A2.** *Arch Gen Psychiatry.* 54:487-494, 1997.

Brian M. Ross, Anna Moszczynska, Jeffrey Erlich, and Stephen J. Kish. **Low activity of key phospholipid catabolic and anabolic enzymes in human substantia nigra: possible implications for Parkinson's disease.** *Neuroscience*, Vol. 83, No. 3, pp. 791-798. 1998.

Brian M. Ross, Anna Moszczynska, Jeffrey Erlich, and Stephen J. Kish. **Phospholipid Metabolising Enzymes in Alzheimer's Disease: Increased Lysophospholipid Acyltransferase Activity and Decreased Phospholipase A2 Activity.** *Journal of Neurochemistry.* Vol. 70, pp. 786-793, 1998.22

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### Recent Conference Abstracts

Jeffrey C Erlich, G. Sebastien Awwad, Carlos D. Brody. **The role of frontal and prefrontal cortices in a context-dependant PRO/ANTI orienting task.** COSYNE, February, 2008.

Jeffrey C Erlich, Carlos D. Brody, Joseph E LeDoux. **Distinct contributions of the amygdala and prefrontal cortex to the regulation of fear.** COSYNE, February, 2007.

Jeffrey C Erlich, David EA Bush, Joseph E LeDoux. **Bilateral inactivation of the lateral amygdala attenuates lick suppression in a partial reinforcement fear conditioning paradigm.** Society for Neuroscience, Abstracts. November, 2005.