

CURRICULUM VITAE

NAME: Catherine E. Myers, Ph.D.

PRESENT TITLE: Professor, Department of Pharmacology, Physiology & Neuroscience

OFFICE ADDRESS: Neurobehavioral Research Lab
VA New Jersey Health Care System,
385 Tremont Ave. (Mail Stop 15a)
East Orange, NJ 07018

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Catherine.Myers2@va.gov & cemyers@njms.rutgers.edu

CITIZENSHIP: USA

EDUCATION:

- A. Undergraduate Graduate and Professional
University of Delaware
Newark, DE
B.S. with Distinction (Cognitive & Computer Science), Magna cum Laude 6/1987

- B. Graduate and Professional
Imperial College of Science and Technology, University of London
London, UK
Ph.D. (Neural Systems Engineering) 12/1990

POSTGRADUATE TRAINING:

- A. Internship and Residencies
N/A

- B. Research Fellowships
Department of Biology (Northmore Lab)
University of Delaware
Research Assistant
9/1986-5/1987

Department of Computing
Imperial College, University of London
Summer Research Assistant
6/1986-8/1986

- A. Postdoctoral Appointments

Center for Molecular and Behavioral Neuroscience, Rutgers University-Newark
Computational Neuroscience
6/1991-6/1996

Imperial College of Science and Technology, University of London
Neural Systems Engineering
10/1990-6/1991

MILITARY: N/A

ACADEMIC APPOINTMENTS:

*Department of Pharmacology, Physiology and Neurosciences
Rutgers-New Jersey Medical School (NJMS)
Professor
7/2015-present*

*Department of Neurology and Neurosciences
Rutgers-NJMS (previously, University of Medicine & Dentistry of New Jersey)
Professor
10/2011-6/2015*

*Rutgers School of Graduate Studies (previously, Graduate School of Biomedical Sciences)
Rutgers University (previously, University of Medicine and Dentistry of New Jersey)
Full Member
11/2009-present*

*Department of Psychology
Rutgers University-Newark
Adjunct Research Professor
10/2009-present*

*Department of Psychology
Rutgers University-Newark
Research Associate Professor
7/2005-6/2007*

*Department of Psychology
Rutgers University-Newark
Research Professor
6/2007-10/2009*

*Department of Psychology
Rutgers University-Newark
Research Assistant Professor
7/1997-6/2005*

*Center for Molecular and Behavioral Neuroscience
Rutgers University-Newark
Research Associate
6/1996-6/1997*

*Department of Computing
Imperial College, University of London
Instructor
10/1989-12/1990*

HOSPITAL APPOINTMENTS: N/A

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS:

*NeuroBehavioral Research Laboratory
VA New Jersey Health Care System
Research Scientist/Health Sciences Specialist
10/2009-present*

*Memory Loss and the Brain Newsletter (print and online versions)
Memory Disorders Project, Rutgers University-Newark
Editor-In-Chief*

10/2000-10/2009

*Memory Disorders Project
Rutgers University-Newark
Co-Director
8/1998-10/2009*

*Office of Instructional Technology
University of Delaware, Newark, DE
Programmer
1985-1987*

PRIVATE PRACTICE *N/A*

LICENSURE: *N/A*

DRUG LICENSURE:

CDS: *N/A*

DEA: *N/A*

CERTIFICATION: *N/A*

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

*American Association for the Advancement of Science (AAAS)
Member
2018-2019*

*Social Affective Neuroscience Society
Member
2014-present*

*Pavlovian Society
Member
2008-present*

*Society for Neuroscience
Member
1996-present (with gaps)*

*Association for Psychological Science
Member
1990-present (with gaps)*

HONORS AND AWARDS:

*National Institute of Mental Health Postdoctoral Fellowship
National Institute of Mental Health
1993-1995*

*National Science Foundation Graduate Fellowship
National Science Foundation
1987-1992*

*Hercules Outstanding Senior in Computer and Information Sciences
University of Delaware
1987*

University of Delaware Science Scholar
University of Delaware
1985, 1986

Computer and Information Sciences Award for Outstanding Achievement in the Freshman Year
University of Delaware
1985

Dean's Scholar
University of Delaware
1984, 1985, 1986, 1987

University Honors Scholarship
University of Delaware
1983, 1984, 1985, 1986

Eugene DuPont Memorial Distinguished Scholar Award
University of Delaware
1983, 1984, 1985, 1986

BOARDS OF DIRECTORS/TRUSTEES POSITIONS: N/A

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

Alzheimer's Association (external reviewer for grants) (2001-2016)
National Institutes of Health – scientific review panel member (2011, 2014, 2017)
National Institutes of Health/National Science Foundation – Collaborative Research in Computational Neuroscience (CRCNS) section review panel (2010, 2012)
National Science Foundation – scientific review panel member (2000, 2007)

SERVICE ON MAJOR COMMITTEES:

- A. International
 - a. Medical Research Council (MRC), UK – Research Grant Proposals (grant reviewer), 2018
 - b. Medical Research Council (MRC), UK – Clinician Scientist Fellowships (grant reviewer), 2017
 - c. 8th International Conference on Neural Computation Theory and Applications (NCTA), Program Committee Reviewer, 2016
 - d. Netherlands Organisation for Scientific Research (NWO) (grant reviewer), 2015
 - e. German Federal Ministry of Education and Research (BMDP) Bernstein Award for Computational Neuroscience (grant reviewer), 2012
 - f. DevLeaNN (Workshop on Development and Learning in Artificial Neural Networks) (program committee member), 2011
 - g. International Neural Network Society, International Joint Conference on Neural Networks (IJCNN) (ad hoc reviewer), 2006-2007 and 2011
 - h. International Neural Network Society, International Joint Conference on Neural Networks (IJCNN) (program technical reviewer), 2004-2005, 2011, 2013-2014
 - i. International Neural Network Society, International Joint Conference on Neural Networks (IJCNN) Topic Co-Chair, 2003
 - j. International Neural Network Society, International Joint Conference on Neural Networks (IJCNN), Program Technical Committee Member, 2002-2004
- B. National
 - a. Scientific Reviewer for IRB, Department of the Army, Armament Research Development & Engineering Center (ARDEC), Picatinny Arsenal, NJ, 2010-2017
 - b. Biologically Inspired Cognitive Architectures (BICA) Annual Meeting (program committee member), 2011-2012
 - c. Cognitive Neuroscience Society (ad hoc reviewer, Annual Meeting), 2006-2007
- C. Medical School/University

- a. Member, Rutgers Brain Health Institute (BHI) Faculty Search Committee (Krieger Klein Endowed Chair in Neurodegeneration Research), 2020-present
 - b. Grant reviewer, Rutgers University Busch Biomedical Grants, 2019
 - c. Member, Rutgers Brain Health Institute (BHI) Faculty Search Committee (neurodegenerative research candidate), 2018-2019
 - d. Judge, Graduate and postdoctoral student poster session, Rutgers Brain Health Institute (BHI) 4th Annual Symposium, Bell Labs, Murray Hill, NJ
 - e. Outside reader for GSBS Professional Skills II student projects, 2015-2016
 - f. Member, Admissions Committee, DPT-PhD dual degree program, RBHS Graduate School of Biomedical Sciences (GSBS), 2014-present
 - g. Member, Faculty Committee on Appointments and Promotions (FCAP), New Jersey Medical School, 10/2011-9/2013
 - h. Member, Postdoctoral Research Fellowship Committee, New Jersey Medical School Department of Physical Medicine and Rehabilitation, 2000-present
- D. Hospital- VA New Jersey Health Care System (VA NJHCS)
- a. Chair, Research & Development Committee, VA NJHCS, 7/2018-present
 - b. Voting Member, Research & Development Committee, VA NJHCS, 1/2013-12/2016 & 10/2018-present
 - c. Led training seminar for grant submission using NIH ASSIST (with Jonathan Weininger), 11/2018
 - d. Member of Search Committee, Assistant Chief of Staff (ACOS) for Research Service, VA NJHCS, 7/2014-6/2015
 - e. Alternate Chair, Research & Development Committee, VA NJHCS 6/2014-12/2016
 - f. Alternate Member, Research & Development Committee, VA NJHCS, 2010-2012
- E. Department
- a. Ph.D. Exam committee/reader
 - i. Cristian Morales, NJIT/Rutgers Joint Biomedical Engineering (BME) Program; proposal 8/2019; defense anticipated Spring 2021.
 - ii. Ozan Cakmak NJIT/Rutgers Joint Biomedical Engineering program; proposal 1/2019; defense anticipated Spring 2021.
 - iii. Nima Alamatzaz, NJIT/Rutgers Joint Biomedical Engineering program; proposal 8/2018; defense anticipated Spring 2021.
 - iv. Milad Afrasiabi, Rutgers-SGS; defense anticipated Fall 2019.
 - v. Kainan (Sally) Wang, Behavioral & Neural Science Program, 2019
 - vi. Ahmet Ceceli, Rutgers-Newark, 2019
 - vii. Kevin Spiegler, Rutgers-NJMS MD/PhD Dual Degree Program, 2019
 - viii. Archana Proddutur, Biomedical Engineering Program, 2017
 - ix. Pelin Avcu, Graduate School of Biomedical Sciences, 2015
 - x. Meghan Davis Caulfield, Integrative Neuroscience Program, 2014
 - xi. Mohammad Herzallah, Rutgers- Newark, Center for Molecular and Behavioral Neuroscience, 2014
 - xii. Maciej Spryca, Graduate School of Biomedical Sciences Biomedical Engineering, 2014
 - xiii. Sara Fazelinik, Integrative Neuroscience Program, 2013
 - xiv. Jacqueline Holloway, Integrative Neuroscience Program, 2013
 - xv. Olga Sierra-Rodriguez, Integrative Neuroscience Program, 2013
 - xvi. Ekaterina Dobryakova, Rutgers-Newark Psychology, 2012
 - xvii. Kathryn Dickerson, Integrative Neuroscience Program, 2011
 - xviii. Thomas Ricart,, Graduate School of Biomedical Sciences, 2010
 - xix. Helen Genova, Integrative Neuroscience Program, 2007
 - xx. Daphna Shohamy, Integrative Neuroscience Program, 2003
 - b. Doctoral Candidacy Exam Committee Member
 - i. Catherine Rojvirat, NJMS MD/PhD Dual Degree Program, 2019.
 - ii. Hoa Pham, NJMS-Rutgers SGS, 2019
 - iii. Nima Alamatzaz, NJIT/Rutgers Joint Biomedical Engineering Program, 2018

- iv. Ozan Cakmak, NJIT/Rutgers Joint Biomedical Engineering Program, 2017/2018
- v. Kevin Spiegler, MD/PhD Dual Degree Program, Rutgers University, 2017
- vi. Ahmad Alokailly, New Jersey Institute of Technology/Rutgers Joint Biomedical Engineering Program, 2016
- vii. Michelle Favre, Graduate School of Biomedical Sciences, Rutgers University, 2016
- viii. Thushini Manuweera, New Jersey Institute of Technology/Rutgers Joint Biomedical Engineering program, 2014
- ix. Yaa Haber, Graduate School of Biomedical Sciences, 2014
- x. Jennifer Catuzzi, Integrative Neuroscience Program, 2013
- c. Master's Student Thesis Advisory Committee Member
 - i. **Mihal Grinberg, Rutgers-RBHS, anticipated defense Summer 2020**
 - ii. Alexander Crane, Rutgers-New Jersey Medical School, 2016
 - iii. Stacey Subbie, Rutgers-New Jersey Medical School, 2015
- d. Rutgers University-Newark Honors College Senior Projects: Committee Member
 - i. Alopi Patel, 2007-2009
 - ii. Payal Trivedi, 2006-2008
 - iii. Andreia Da Costa, 2006-2007
 - iv. Vishaka Vijayakumar, 2006-2007
 - v. Emmanuel Apor, 2006-2007

F. Editorial Boards

- a. *PeerJ Computer Science* (academic editor, 2015-present)
- b. *PeerJ* (academic editor, 2014-present)
- c. *BMC Neuroscience* (Associate Editor, 2018-2020)
- d. *Frontiers in Behavioral Neuroscience* (guest associate editor, special issue: "Avoidance: From Basic Science to Psychopathology," 2014)

G. AdHoc Reviewer

- a. *Behavioral Neuroscience*, 2004, 2005
- b. *Behavioural and Brain Research*, 1997
- c. *Biological Psychology*, 2013
- d. *Biologically Inspired Cognitive Architectures (BICA)*, 2015
- e. *Brain and Behavior*, 2017
- f. *Brain and Cognition*, 2008
- g. *Brain Research*, 2008
- h. *Brain Structure and Function*, 2013, 2015, 2017, 2018
- i. *Cephalalgia*, 2016
- j. *Cognitive, Affective & Behavioral Neuroscience*, 2012, 2013
- k. *Cognitive Neuropsychology*, 2019
- l. *Cortex*, 2007, 2008, 2009
- m. *Frontiers in Behavioral Neuroscience*, 2018
- n. *Hippocampus*, 1997, 2008, 2014
- o. *Journal of Abnormal Psychology*, 2016
- p. *Journal of American Aging Association*, 2010
- q. *Journal of Clinical Psychopharmacology*, 2017
- r. *Journal of Experimental Psychology: Animal Behavior Processes*, 2001, 2006
- s. *Journal of Experimental Psychology: General*, 2006, 2011
- t. *Journal of the International Neuroscience Society*, 2015, 2016
- u. *Journal of Neuroscience*, 2001
- v. *Journal of Psychiatry & Neuroscience*, 2014, 2015
- w. *Neural Networks*, 2011
- x. *Neural Plasticity*, 2019
- y. *Neurobiology of Learning and Memory*, 2016
- z. *NeuroImage*, 2019
- aa. *Neuropsychologia*, 2004, 2013
- bb. *Neuropsychology*, 2004, 2005
- cc. *Neuroscience*, 2007

- dd. *Neuroscience and Biobehavioral Reviews*, 1999
- ee. *Neuroscience Letters*, 2007
- ff. *Personality and Individual Differences*, 2011, 2013
- gg. *Physiology & Behavior*, 2014, 2015
- hh. *PLOS ONE*, 2017
- ii. *Psychiatry Research*, 2013, 2014
- jj. *Psychological Science*, 1997, 1998
- kk. *Psychology and Aging*, 2010, 2011
- ll. *Quarterly Journal of Experimental Psychology*, 2013, 2014
- mm. *Synapse*, 2016, 2017

SERVICE ON GRADUATE SCHOOL COMMITTEES: (see above)

SERVICE ON HOSPITAL COMMITTEES: (see above)

SERVICE TO THE COMMUNITY:

- “*Human memory and the hippocampus*,” lecture delivered at Manchester VA Medical Center Research Day, Manchester NH, 5/14/08.
- “*Memory and the Brain: Neuroscience Research*,” lecture delivered at Science Career Day, William Allen Middle School, Moorestown NJ, 4/27/07.
- “*Your memory: A user’s guide to the brain*,” community lecture delivered at New York University Aging and Dementia Center Lecture Series, 2/14/06.
- “*Your memory: A user’s guide*,” community lecture delivered at Pine Brook Jewish Center, Montville, NJ, 2/5/2006.
- “*Current Directions in Memory Research: Stress, Sleep, Statins and Tuna Fish*,” community lecture delivered at Crane’s Mill Retirement Community, West Caldwell NJ, 1/17/2006.
- “*Your memory, your life*,” community lecture delivered at Crane’s Mill Retirement Community, West Caldwell NJ, 11/16/04.
- Open access software libraries
 - Myers, C. E. (2016-present). MyersLab Tasks. Available at www.osf.io/7by34: library of computer-based learning and generalization tasks for human neuropsychology studies (executable code and instruction files).
 - Myers, C. E. (2016-present). MyersLab Modeling Software. Available at www.osf.io/78sbu: library of simulation software for computational neuroscience (simulation code and instruction files).

SPONSORSHIP (Primary Mentorship) OF CANDIDATES FOR POSTGRADUATE DEGREE:

- A. Ph.D. Student Theses Supervised
 - a. Jony Sheynin, PhD (Rutgers GSBS/BME), 2014, presented at commencement with Dean’s Outstanding Academic Achievement Award (one awardee across all of GSBS)
- B. Ph.D. Student Research Rotations Supervised
 - a. Kevin Spiegler, Rutgers-NJMS MD/PhD joint degree program, Fall 2019-Spring 2020
 - b. John Palmieri, Rutgers-NJMS MD/PhD joint degree program, Summer 2018
 - c. Yaa Boateng-Haber, Graduate School of Biomedical Sciences, Summer-Fall 2012
 - d. Kelsey Miller, Graduate School of Biomedical Sciences, Summer-Fall 2012
 - e. Sara Fazelinik, Graduate School of Biomedical Sciences, Spring 2010-Fall 2010
 - f. Pelin Avcu, Graduate School of Biomedical Sciences, Fall 2010
- C. Master’s Student Thesis Projects Supervised
 - a. Nicole Anastasides, Seton Hall University, Department of Psychology, 2012.
 - b. Brian Armieri, NJIT Computer Science, 1993 (co-supervised with Mark Gluck, Rutgers-Newark).
 - c. Vipul Patel, Rutgers New Brunswick Computer Science, 1992 (co-supervised with faculty member Mark Gluck, Rutgers-Newark).
 - d. Fukumi Kozato, Imperial College, Department of Computing, 1990 (co-supervised with Department of Computing faculty).

- e. Jonathan Goldstone, Imperial College, Foundations of Advanced Information Systems (FAIS) Program, 1990 (co-supervised with faculty member Igor Aleksander, Imperial College).
 - f. Andrew Bradley, Imperial College, Foundations of Advanced Information Systems (FAIS) Program, 1989 (co-supervised with faculty member Igor Aleksander, Imperial College).
- D. Master's Student Research Rotations Supervised
- a. Christine Shind, Rutgers Graduate School of Biomedical Sciences, 2015-2016
- E. Rutgers-Newark Undergraduate Honors Research/Senior Thesis Supervised
- a. Nazje James (Rutgers-Newark, Biology) 2018-2019; also supervised this student's participation in research internship funded by Garden State-Louis Stokes Alliance for Minority Participation in Research (GS-LSAMP) program.
 - b. Chaden Noureddine (Rutgers-Newark, Biology/Physics) 2016-present; also supervised this student's participation in research internship funded by Garden State-Louis Stokes Alliance for Minority Participation (LSAMP) Program
 - c. Rosanna Sanchez (Rutgers-Newark, Psychology) 2013-2015; also supervised this student's completion of requirements to graduate with Honors in Psychology.
 - d. Barbara Ekeh (Rutgers-Newark Honors College) 2012-2015; also supervised this student's participation in research internship funded by Garden State-Louis Stokes Alliance for Minority Participation (LSAMP) Program
 - e. Megha Patel (Rutgers-Newark, Biology/Psychology) 2009-2014
 - f. Jacqueline Ostovich (Rutgers-Newark, Biology) 2011-2014
 - g. Saima Shikari (Rutgers-Newark, Business Management/Biology) 2010-2013
 - h. Anuoluwapo Sobanjo (Rutgers-Newark, Biology), 2009- 2010
 - i. Kesha Shah (Rutgers-Newark, Biology), 2008- 2009
 - j. Priyanka Khanna (Rutgers-Newark, Chemistry/Biology), 2006- 2009
 - k. Roshani Patel (Rutgers-Newark, Biology), 2004- 2006
 - l. Nancy El-Shammaa (Rutgers-Newark, Psychology) 2002- 2004
 - m. Saif Ali (Rutgers-Newark, Biology & Chemistry) 2003- 2004
 - n. Debra Ibrahim (Rutgers-Newark, Psychology) 2003- 2004
 - o. Mary Gergis (Rutgers-Newark, Psychology) 2003- 2004
 - p. Mamata Eagan (Rutgers-Newark, Biology) 2002- 2003
 - q. Nana Sintim-Damoa (Rutgers-Newark, Biology, MBRS) 2002- 2003
 - r. Suditi Gupta (Rutgers-Newark, Biology) 2001- 2002,
 - s. Souty Shafik (Rutgers-Newark, Biology) 1999- 2001
 - t. Nessrein Abu-Shaba (Rutgers-Newark, Biology), 2000- 2001
 - u. Janet Schultz Teran (Rutgers-Newark, Psychology), 1998- 2000
 - v. Christopher Bellotti (Rutgers-Newark, Biology), 1998-1999
 - w. Omar Nabulsi (Rutgers-Newark, Biology), 1998-1999
- F. Undergraduate Research Internships
- a. Nadia Kenfack Kembou (Rutgers-Newark Honors Living), 2018-2019; participated via Garden State-Louis Stokes Alliance for Minority Participation in Research (GS-LSAMP) program
 - b. Nirmal Shah (Rutgers-Newark Biology) 2008-2009
 - c. Monica Andrawis (Rutgers-Newark Biology) 2006-2009
 - d. Priya Bolikal (Rutgers-Newark Biology) 2006-2008
 - e. Lauren Ropp (Rutgers-Newark Honors) 2005-2006
 - f. Deena Midani (Rutgers-Newark Psychology/Honors) 2004-2005
 - g. Natalie Montealegro (Rutgers-Newark Biology/MBRS) 2000-2001
 - h. Yahaira Padilla (Rutgers-Newark Biology/MBRS) 1998-1999
 - i. Janet Schultz Teran (Rutgers-Newark Psychology/MBRS) 1998-1999
 - j. Vivek Masand (Rutgers-Newark, Biology), 1996-1999
 - k. Kimberly Leach (Rutgers-Newark, Biology), 1996
 - l. Janine Masi (Rutgers-Newark, Biology), 1996
 - m. Bettie Parker (Rutgers-Newark, Nursing), 1996
 - n. Priya Khana (Rutgers-Newark, Liberal Arts), 1995-1996
 - o. Kirtida Rana (Rutgers-Newark, Biology), 1995

- p. Alex Izaguirre (Rutgers-Newark, Biology), 1994-1995
- q. Madhvi Patel (Rutgers-Newark, Psychology), 1993-1994
- r. Carolyn Ferrante (Rutgers-Newark, non-matriculated), 1993-1994
- G. High school student summer internships
 - a. Abigail Hammell, 2015-2017
 - b. Usra Ahmed, 2015-2016
 - c. Noah Weinflash, 2013-2015
 - d. Sruti Gupta, Summer 2014

SPONSORSHIP (Primary Mentorship) OF POSTDOCTORAL FELLOWS:

- A. Milen Radell, July 2014-August 2016.
- B. Ahmed Moustafa, July 2010-January 2012.

TEACHING RESPONSIBILITIES: (Teaching effectiveness should be addressed in nominating letter)

- A. Lectures or Course Directorships

Rutgers School of Graduate Studies, Rutgers University
 Research Design and Statistics
 Entire Course
 Fall 2019, 2 credits=30 hours

Rutgers School of Graduate Studies, Rutgers University
 Behavioral and Cognitive Neuroscience
 "Aging and Dementia"
 2 hours (10/9/2019)

Rutgers School of Graduate Studies, Rutgers University
 Behavioral and Cognitive Neuroscience
 "Computational Neuroscience"
 2 hours (10/1/2019)

Rutgers School of Graduate Studies, Rutgers University
 Behavioral and Cognitive Neuroscience
 "Memory and Amnesia"
 2 hours (9/4/2019)

Rutgers School of Graduate Studies, Rutgers University
 Research Design and Statistics
 Entire Course
 Fall 2018, 2 credits=30 hours

Rutgers School of Graduate Studies, Rutgers University
 Behavioral and Cognitive Neuroscience
 "Computational Neuroscience"
 2 hours (10/10/2018)

Rutgers School of Graduate Studies, Rutgers University
 Behavioral and Cognitive Neuroscience
 "Aging and Dementia"
 2 hours (10/2/2018)

Rutgers School of Graduate Studies, Rutgers University
 Behavioral and Cognitive Neuroscience
 "Memory and Amnesia"
 2 hours (9/5/2018)

Rutgers School of Graduate Studies, Rutgers University

Research Design and Statistics
Entire Course
Fall 2017, 2 credits=30 hours

Rutgers School of Graduate Studies, Rutgers University
Behavioral and Cognitive Neuroscience
"Computational Neuroscience"
2 hours (10/11/2017)

Rutgers School of Graduate Studies, Rutgers University
Behavioral and Cognitive Neuroscience
"Aging and Dementia"
2 hours (10/10/2017)

Rutgers School of Graduate Studies, Rutgers University
Behavioral and Cognitive Neuroscience
"Memory and Amnesia"
2 hours (9/6/2017)

Graduate School of Biomedical Sciences, Rutgers University
Behavioral & Cognitive Neuroscience
"Computational Neuroscience"
2 hours (12/13/2016)

Graduate School of Biomedical Sciences, Rutgers University
Behavioral & Cognitive Neuroscience
"Aging and Dementia"
2 hours (12/6/2016)

Graduate School of Biomedical Sciences, Rutgers University
Behavioral & Cognitive Neuroscience
"Memory and Amnesia"
2 hours (11/2/2016)

Graduate School of Biomedical Sciences, Rutgers University
Research Design and Statistics
Entire Course
Fall 2016, 2 credits=30 hours

Graduate School of Biomedical Sciences, Rutgers University
Behavioral & Cognitive Neuroscience
"Computational Neuroscience"
2 hours (12/9/2015)

Graduate School of Biomedical Sciences, Rutgers University
Behavioral & Cognitive Neuroscience
"Aging and Dementia"
2 hours (12/2/2015)

Graduate School of Biomedical Sciences, Rutgers University
Behavioral & Cognitive Neuroscience
"Memory and Amnesia"
2 hours (10/28/2015)

Graduate School of Biomedical Sciences, Rutgers University
Research Design and Statistics
Entire Course

Fall 2015, 2 credits=30 hours

Graduate School of Biomedical Sciences, Rutgers University
Behavioral, Cognitive & Clinical Neuroscience
“Computational Neuroscience II: Systems-Level Models”
1 hour (12/10/14)

Graduate School of Biomedical Sciences, Rutgers University
Behavioral, Cognitive & Clinical Neuroscience
“Aging and Alzheimer’s Disease”
2 hours (11/26/14)

Graduate School of Biomedical Sciences, Rutgers University
Behavioral, Cognitive & Clinical Neuroscience
“Memory and amnesia”
2 hours (11/25/14)

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Research Design and Statistics
Entire Course
Fall 2014, 2 credits=30 hours

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Behavioral, Cognitive & Clinical Neuroscience
“Memory and amnesia”
2 hours (5/1/14)

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Research Design and Statistics
Entire Course
Fall 2013, 2 credits=30 hours

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Behavioral, Cognitive & Clinical Neuroscience
“Memory and amnesia”
2 hours (5/21/13)

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Research Design and Statistics
Entire Course
Fall 2012, 2 credits=30 hours

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Foundations of Neuroscience
“Computational Neuroscience: Systems-Level Models”
1 hour (4/10/2012)

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Foundations of Neuroscience
“Memory and Amnesia”
1 hour (3/28/2012)

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Research Design and Statistics
Entire Course
Fall 2011, 2 credits=30 hours

New York University – Graduate School
Neurobiology of Disease
“Brain Substrates of PTSD”
1.5 hours (5/20/2011)

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Foundations of Neuroscience
“Aging and Alzheimer’s Disease”
2 hours (4/9/2011)

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Foundations of Neuroscience
“Memory and Amnesia”
2 hours (4/7/2011)

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Experimental Design and Statistics for Biomedical Sciences
Entire Course
Fall 2010, 3 credits=45 hours

Graduate School of Biomedical Sciences, University of Medicine & Dentistry of New Jersey
Experimental Design and Statistics for Biomedical Sciences
Entire Course
Spring 2010, 3 credits=45 hours

Center for Molecular and Behavioral Neuroscience, Rutgers-Newark
Neuroscience (Undergraduate Honors seminar)
“Memory, amnesia and the human hippocampus”
2 hours (2/26/09)

Department of Psychology, Rutgers-Newark
Graduate Proseminar: Selected Topics in Psychology
“Human memory with and without the hippocampus”
1 hour (10/30/06)

Department of Psychology, Rutgers-Newark
Graduate Proseminar: Selected Topics in Psychology
“Human memory with and without the hippocampus”
1 hour (10/6/04)

Center for Molecular and Behavioral Neuroscience, Rutgers-Newark
Learning and Memory: From Brain to Behavior
“Aging and Alzheimer’s disease”
1 hour (4/28/04)

Honors College, Rutgers-Newark
Honors: Neuroscience
“Memory, Amnesia, and the Human Hippocampus”
1 hour (2/26/04)

Honors College, Rutgers-Newark
Honors: Topics in Brain-Behavior Relations
“Aging and Alzheimer’s disease”
1 hour (4/28/03)

Department of Psychology, Rutgers-Newark
Graduate Proseminar: Selected Topics in Psychology

“Human memory with and without the hippocampus”
1 hour (11/5/02)

Honors College, Rutgers-Newark
Honors: Topics in Brain-Behavior Relations
“Aging and Alzheimer’s disease”
1 hour (4/25/02)

Department of Psychology, Rutgers-Newark
Graduate Proseminar: Selected Topics in Psychology
“Human memory with and without the hippocampus”
1 hour (10/6/00)

Center for Molecular and Behavioral Neuroscience, Rutgers-Newark
Computational Models of Learning and Memory
Entire Course (co-taught)
Spring 1999

Department of Psychology, Rutgers-Newark
Graduate Proseminar: Selected Topics in Psychology
“Human memory with and without the hippocampus”
1 hour (12/2/98)

Pace University
Experimental Psychology
“Human memory with and without the hippocampus”
1 hour (4/29/97)

Center for Molecular and Behavioral Neuroscience, Rutgers-Newark
Basal forebrain cholinergic system
“Computational models of septohippocampal cholinergic interaction”
1 hour (12/96)

Center for Molecular and Behavioral Neuroscience, Rutgers-Newark
Basal forebrain cholinergic system
“Computational models of septohippocampal cholinergic interaction”
1 hour (11/95)

Imperial College of Science and Technology, University of London
Neural Networks
“Learning in weightless neural networks”
1 hour (9/15/1990)

Imperial College of Science and Technology, University of London
Neural Networks
“Learning in weightless neural networks”
1 hour (11/20/1989)

Imperial College of Science and Technology, University of London
Prolog
Entire Course
Fall 1989

Imperial College of Science and Technology, University of London
Neural Networks
“Learning in weightless neural networks”
1 hour (12/2/1988)

B. Research Training (other than Primary Mentorship)

Post Doctoral Fellows:

- a. Deborah Bryant, 2000-2002. (Supervised jointly with John DeLuca, Kessler, and Mark Gluck, Rutgers-Newark.)

Pre Doctoral Students:

- a. Meghan Davis, PhD student, Rutgers Integrative Neuroscience (INS) Program, 1/2010-5/2010
- b. Sara Fazelink, PhD student, Rutgers Graduate School of Biomedical Sciences, 2/2010-present
- c. Bas Rokers, Ph.D. student, Rutgers-Newark, 9/1998-9/2000
- d. Geoffrey Schnirman, Ph.D. student, Fordham University, 7/1998-10/2001.

Undergraduate Students:

- a. Khalil Arsala (Rutgers-Newark Information Sciences) 1999
- b. Martha Vallejo (Rutgers-Newark Pre-Med) 1997-1998
- c. Ana-Maria Muncaciu (Rutgers-Newark Pre-Med) 1997-1998

CLINICAL RESPONSIBILITIES: N/A

GRANT SUPPORT:

A. Principal Investigator

1. VA Office of Research and Development, Clinical Science Research and Development Service, "Neurocognitive markers of short-term risk for suicidal behavior in high-risk Veterans," 1/1/19-12/31/22, \$1,432,000 direct costs plus \$52,000 equipment supplement and \$55,000 supplement for recruitment and biomarker assay.
2. VA Office of Research and Development, Clinical Science Research and Development Service, "Acquisition and expression of avoidance: Computational modeling and human studies," 10/01/12-09/30/17, \$989,000 direct costs.
2. NYU Center of Excellence Seed Grant, "Pre-symptomatic behavioral detection of Alzheimer's disease," 02/01/12-03/31/13, \$60,000 direct costs (Co-PI).
3. US Navy, Office of Naval Research (ONR), "Validating cognitive markers of hippocampal deficits in Marines with post-traumatic stress disorder," 10/1/11-9/30/13, \$663,000 direct costs (Co-PI).
4. NIH/NSF Collaborative Research in Computational Neuroscience (CRCNS)/National Institute on Alcohol Abuse and Alcoholism (NIAAA), "CRCNS: Computational models of hippocampal-amygdala interaction: Implications for PTSD," 08/01/09-07/31/14, \$600,000 direct costs.
5. National Institute of Mental Health (NIMH), "Dissociating basal forebrain vs. medial temporal amnesia," 01/01/03-12/31/05, \$450,000 direct costs.
6. National Institute of Mental Health (NIMH), "Associative learning in basal forebrain amnesia," 03/10/98-02/28/99, \$25,000 direct costs.
7. National Institute of Mental Health (NIMH) NRSA Fellowship Award, "Theory of hippocampal modulation in associative learning," 01/19/93-01/18/94, \$50,000 direct costs.

B. Co-Investigator

1. VA Office of Research and Development, Rehabilitation Research & Development Career Development Award (CDA-2), "Exercise and pharmacological LLRK2 inhibition for preventing PD," 10/1/20-9/30/25, \$1,015,000 direct costs. PI Delic (Myers=co-Primary Mentor).
2. NIH/NIDA, "Using combined EEG & non-invasive brain stimulation to examine and improve cognitive control functioning in opioid use disorder," 3/1/20-2/28/22, \$150,000 direct costs. PI Baker.

3. VA Office of Research and Development, CSR&D/BLR&D Collaborative Merit Award, "CTBI: Traumatic brain injury-induced inflammation effects on cognitive evaluations and response inhibition: Mechanisms of increased risk for suicidality," 1/1/20-12/31/23, three linked awards total \$3,460,000 direct costs. PIs Pang, Goodman, Niculescu.
4. New Jersey Commission on Brain Injury Research (NJCBIR), "Cognitive dysfunction following traumatic brain injury in older adults: Interaction with diabetes," 4/1/19-3/31/21, \$176,000 direct costs. PI Zimering.
5. VA Office of Research and Development, Clinical Science Research & Development Service, "Neurobiology of affective instability in Veterans at low and high risk for suicide" (supplement), 4/1/17-3/3/21, \$27,000 direct costs (supplement). PI Hazlett.
6. NIH/NIA, "Risk factors for future cognitive decline and Alzheimer's disease in older African Americans," 6/2018-5/2023, \$2,500,000 direct costs. PI Gluck.
7. National Institute on Aging (NIA), "Pathways to brain health for African Americans: A community-based participatory research study," 9/15/16-8/31/18, \$582,000 direct costs. PI Gluck.
8. Navy Bureau of Medicine (BUMED), "Integrative assessment of active duty military: PTSD and mTBI," 7/31/13-9/30/15, \$1,865,000 direct costs. PI Servatius.
9. Department of Defense/US Army/ARDEC, "Suppression: Advanced energy technologies," 10/1/11-9/30/13, \$270,000 direct costs. PI Servatius.
10. National Institute of Mental Health (NIMH), "Ectopic granule cells in the dentate gyrus," 12/01/10-11/30/14, \$293,000 direct costs. PI Scharfman.
11. National Institute of Mental Health (NIMH), "Serotonin genes and individual differences in reward- vs. punishment-based learning," 01/01-10-12/31/11, \$155,000. PI Gluck.
12. National Institute on Disability and Rehabilitation Research (NIDRR), "Advanced rehabilitation research training on neurocognitive rehabilitation," 07/01/09-06/30-12, \$750,000. PI Chiaravallotti.
13. National Science Foundation (NSF), "Interdisciplinary study of the striatum in human decision making," 08/01/07-09/30/11, \$500,000. PI Gluck.
14. National Institute of Neurological Disorder and Stroke (NINDS), "Feedback learning and L-dopa in Parkinson's disease," 10/01/04-09/30/09, \$620,000. PI Gluck.
15. Defense Advanced Research Projects Agency (DARPA): Biologically-inspired cognitive architectures, "Interacting brain modules for memory: An adaptive representations architecture," 09/01/05-03/31/07, \$172,000.
16. James S. McDonnell Foundation, "Interdisciplinary collaborative consortium on the cognitive neuroscience of category learning," 04/01/04-08/01/07, \$310,000.
17. National Science Foundation (NSF), "Dissociating medial temporal lobe and basal ganglia contributions to category learning," 03/01/03-02/28/07, \$346,000.
18. Institute for the Study of Aging (ISOA), "Novel behavioral screening tools for memory assessment in rodents and humans," 07/01/05-06/30/06, \$45,000.
19. NIH Institutional National Research Service Award, "Advanced rehabilitation research training program," 01/01/02-12/31/05, \$720,000.
20. Fidelity Foundation, "Novel behavioral assessment techniques for rodents and humans with mild memory impairments," 2000-2003, \$280,000.
21. Johnson & Johnson Corporate Philanthropy, "Internet-based education on memory loss and the brain," 2000-2003, \$50,000.
22. Leon Lowenstein Fund, "Behavioral and computational studies of dopamine dysfunction and learning: Implications for Parkinson's disease and schizophrenia," 2000-2001, \$85,000.
23. Rutgers University Strategic Resource Opportunities Analysis (SROA), "Memory loss and the brain," 1999-2000, \$175,000.
24. Healthcare Foundation of New Jersey, "Memory loss and the brain," 1999-2000, \$100,000.
25. James S. McDonnell Foundation, Program for Collaborative Pilot Projects in Cognitive Rehabilitation Research, "Training therapies for memory-impaired

- populations suggested by computational theories of hippocampal-dependent cortical reorganization,” 1997-1999, \$60,000.
26. Alzheimer’s Association, “Conditioning and hippocampal atrophy as markers for early Alzheimer’s,” 1996-1997, \$30,000.
 27. McDonnell-Pew Foundation Cognitive Neuroscience Grants-In-Aid, “Implications of a computational model of hippocampal-region function for human anterograde amnesia,” 1993-1997, \$60,000.

C. Consultant

1. NIH/NICHD, “Utilizing gaming mechanics to optimize tele-rehabilitation adherence in persons with stroke,” 4/1/19-3/31/22, \$214,000 direct costs. PI Fluet.
2. NIH/NINDS, “Inhibitory network plasticity in neurological disease,” 6/15/18-4/30/23, \$1,700,000 direct costs. PI Santhakumar.
3. New Jersey Commission on Brain Injury Research (NJCBIR), “Self-initiated exercise to improve upper limb function and quality of life after brain injury,” 7/1/17-6/30/19, \$75,000 direct costs. PI Chen.

PUBLICATIONS: *(Please list in chronological order; published or accepted for publication only; should be segregated into the following categories)*

A. Refereed Original Article in Journal

1. **Myers, C.** Learning with delayed reinforcement through attention-driven buffering. *International Journal of Neural Systems*, 1(4), 337-346, 1991.
2. **Myers, C.** A model of the visual attack learning system in *Octopus vulgaris*. *Journal of Intelligent Systems*, 2, 225-260, 1992
3. Gluck, M., & **Myers, C.** Hippocampal mediation of stimulus representation: A computational theory. *Hippocampus*, 3, 491-516, 1993.
4. **Myers, C.**, & Gluck, M. Context, conditioning and hippocampal re-representation. *Behavioral Neuroscience*, 108(5), 835-847, 1994.
5. Gluck, M., **Myers, C.**, & Goebel, J. A computational perspective on dissociating hippocampal and entorhinal function (Response to Eichenbaum, et al.). *Behavioral and Brain Sciences*, 17, 478-479, 1994.
6. **Myers, C.**, Gluck, M., & Granger, R. Dissociation of hippocampal and entorhinal function in associative learning: A computational approach. *Psychobiology*, 23(2), 116-138, 1995.
7. Gluck, M., & **Myers, C.** Representation and association in memory: A neurocomputational view of hippocampal function. *Current Directions in Psychological Science*, 4(1), 23-29, 1995.
8. **Myers, C.**, & Gluck, M. Cortico-hippocampal representations in simultaneous odor discrimination learning: A computational interpretation of Eichenbaum, Mathews & Cohen (1989). *Behavioral Neuroscience*, 110, 685-706, 1996.
9. **Myers, C.**, Ermita, B., Harris, K., Hasselmo, M., Solomon, P. & Gluck, M. A computational model of the effects of septohippocampal disruption on classical eyeblink conditioning. *Neurobiology of Learning and Memory*, 66, 51-66, 1996.
10. Gluck, M. & **Myers, C.** Integrating behavioral and physiological models of hippocampal function. *Hippocampus*. 6, 643-653, 1996.
11. Gluck, M., Oliver, L. & **Myers, C.** Late-training deficits in probabilistic category learning: A neurocomputational analysis. *Learning and Memory*, 3, 326-340, 1996.
12. Gluck, M., Ermita, B., Oliver, L. & **Myers, C.** Extending models of hippocampal function in animal conditioning to hippocampal amnesia. *Memory*, 5, 179-212, 1997.
13. Gluck, M. & **Myers, C.** Psychobiological models of hippocampal function in learning and memory. *Annual Review of Psychology*. 48. 481-514, 1997.
14. **Myers, C.**, Ermita, B., Hasselmo, M. & Gluck, M. Further implications of a computational model of septohippocampal cholinergic modulation in eyeblink conditioning. *Psychobiology*, 26(1), 1-20, 1998.

15. **Myers, C.**, Hopkins, M., Kesner, R., Monti, L. & Gluck, M. Conditional spatial discrimination in humans with hypoxic brain injury. *Psychobiology*, 28(3), 275-282, 2000.
16. **Myers, C.**, Oliver, L., Ermita, B., Warren, S., & Gluck, M. Stimulus exposure effects in human associative learning. *Quarterly Journal of Experimental Psychology B: Comparative and Physiological Psychology*, 53B, 173-187, 2000.
17. **Myers, C.**, McGlinchey-Berroth, R., Warren, S., Monti, L., & Gluck, M. Latent learning in medial temporal amnesia: Evidence for preserved attention but disrupted representational processes. *Neuropsychology*, 14, 1-13, 2000.
18. Rokers, B., **Myers, C.**, & Gluck, M.A. A dynamic model of learning in the septohippocampal system. *Neurocomputing*, 32-33, 501-507, 2000.
19. Mercado, E. III, **Myers, C. E.**, & Gluck, M. A. Modeling auditory cortical processing as an adaptive chirplet transform. *Neurocomputing*, 32-33, 913-919, 2000.
20. Poldrack, R., Clark, J., Pare-Blagoev, J., Shohamy, D., Creso Moyano, J., **Myers, C.** & Gluck, M. Interactive memory systems in the human brain. *Nature*, 414, 546-550, 2001.
21. Gluck, M., Allen, M., **Myers, C.** & Thompson, R. Cerebellar substrates for error-correction in motor conditioning. *Neurobiology of Learning and Memory*, 76, 314-341, 2001.
22. Allen, M., **Myers, C.**, & Gluck, M. Parallel neural systems for classical conditioning: Support from computational modeling. *Integrative Physiological and Behavioral Science*, 36(1), 36-61, 2001.
23. **Myers, C.**, DeLuca, J., Schultheis, M., Schnirman, G., Ermita, B., Diamond, B., Warren, S., & Gluck, M. Impaired delay eyeblink classical conditioning in individuals with anterograde amnesia resulting from anterior communicating artery aneurysm rupture. *Behavioral Neuroscience*, 115(3), 560-570, 2001.
24. Mercado, E., III, **Myers, C.**, Gluck, M. A computational model of mechanisms controlling experience-dependent reorganization of representational maps in auditory cortex. *Cognitive, Affective and Behavioral Neuroscience*, 1(1), 37-55, 2001.
25. Allen, M., Padilla, Y., **Myers, C.**, & Gluck, M. Selective hippocampal lesions disrupt a novel cue effect but fail to eliminate blocking in rabbit eyeblink conditioning. *Cognitive, Affective, and Behavioral Neuroscience*, 2(4), 318-328, 2002.
26. Gluck, M., Shohamy, D., & Myers, C. How do people solve the "weather prediction" task? Individual variability in strategies for probabilistic category learning. *Learning and Memory*, 9(6), 408-418, 2002.
27. Allen, M., Chelius, L., Masand, V., Gluck, M., **Myers, C.** & Schnirman, G. A comparison of latent inhibition and learned irrelevance pre-exposure effects in rabbit and human eyeblink conditioning. *Integrative Physiological and Behavioral Science*, 37(3), 188-214, 2002.
28. **Myers, C.**, Bryant, D., DeLuca, J., & Gluck, M. Dissociating basal forebrain and medial temporal amnesic syndromes: Insights from classical conditioning. *Integrative Physiological and Behavioral Science*, 37(2), 85-102, 2002.
29. **Myers, C.**, Kluger, A., Golomb, J., Ferris, S., de Leon, M., Schirman, G. & Gluck, M. Hippocampal atrophy disrupts transfer generalization in non-demented elderly. *Journal of Geriatric Psychiatry and Neurology*, 15(2), 82-90, 2002.
30. Collie, A., Maruff, P., **Myers, C.**, Schnirman, G., Wood, S. & Currie, J. Selectively impaired associative learning in older people with cognitive decline. *Journal of Cognitive Neuroscience*, 14(3), 484-492, 2002.
31. Rokers, B., Mercado, E., **Myers, C.** & Gluck, M. A connectionist model of septohippocampal dynamics during conditioning: Closing the loop. *Behavioral Neuroscience*, 116(1), 48-62, 2002.
32. **Myers, C.**, Shohamy, D., Gluck, M., Grossman, S., Onlaor, S., & Kapur, N. Dissociating medial temporal and basal ganglia memory systems with a latent learning task. *Neuropsychologia*, 41:1919-1928, 2003.

33. **Myers, C.**, Shohamy, D., Gluck, M., Grossman, S., Kluger, A., Ferris, S., Golomb, J., Schnirman, G., & Schwartz, R. Dissociating hippocampal vs. basal ganglia contributions to learning and transfer. *Journal of Cognitive Neuroscience*, 15(2), 185-193, 2003.
34. Gluck, M., Meeter, M., & **Myers, C.** Computational models of the hippocampal region: linking incremental learning and episodic memory. *Trends in Cognitive Sciences*, 7(6), 269-276, 2003.
35. Aron, A., Shohamy, D., Clark, J., **Myers, C.**, Gluck, M. & Poldrack, R. Human midbrain sensitivity to cognitive feedback and uncertainty during classification learning. *Journal of Neurophysiology*, 92: 1144-1152, 2004.
36. Shohamy, D., **Myers, C.**, Onlaor, S. & Gluck, M. The role of the basal ganglia in category learning: How do patients with Parkinson's disease learn? *Behavioral Neuroscience*, 118: 676-686, 2004.
37. Shohamy, D., **Myers, C.**, Grossman, S., Sage, J., Gluck, M. & Poldrack, R. Cortico-striatal contributions to feedback-based learning: Converging data from neuroimaging and neuropsychology. *Brain*, 127(4), 851-859, 2004.
38. Hopkins, R., **Myers, C.**, Shohamy, D., Grossman, S., & Gluck, M. Impaired probabilistic category learning in hypoxic subjects with hippocampal damage. *Neuropsychologia*, 42(4):524-535, 2004.
39. Gluck, M., **Myers, C.**, & Meeter, M. Cortico-hippocampal interaction and adaptive stimulus representation: A neurocomputational theory of associative learning and memory. *Neural Networks*, 18, 1265-1279, 2005.
40. Nagy, O., Kelemen, O., Erdelyi, R., Pataki, M., Janka, Z., **Myers, C.**, Gluck, M., & Kéri, S. Learned equivalence in schizophrenia: Novel method for the measurement of memory functions of the hippocampus and basal ganglia [Hungarian]. *Psychiatria Hungarica*, 20(5):363-369, 2005.
41. Fera, F., Weickert, T., Goldberg, T., Tessitore, A., Hariri, A., Das, Saumitra, Sam, L., Zolnick, B., Meeter, M., **Myers, C.**, Gluck, M., Weinberger, D. & Mattay, V. Neural mechanisms underlying probabilistic category learning in normal aging. *Journal of Neuroscience*, 25(49), 11340-11348, 2005.
42. Shohamy, D., **Myers, C.**, Grossman, S., Sage, J., & Gluck, M. The role of dopamine in cognitive sequence learning: Evidence from Parkinson's disease. *Behavioural Brain Research*, 156(2):191-199, 2005.
43. Kéri, S., Nagy, O., Kelemen, O., **Myers, C. E.**, & Gluck, M. A. Dissociation between medial temporal lobe and basal ganglia systems in schizophrenia. *Schizophrenia Research*, 77(2-3):321-328, 2005.
44. Meeter, M., **Myers, C.**, & Gluck, M. Integrating incremental learning and episodic memory models of the hippocampal region. *Psychological Review*, 112(3): 560-585, 2005.
45. Gluck, M., **Myers, C.**, Nicolle, M. & Johnson, S. Computational models of the hippocampal region: Implications for the prediction of risk for Alzheimer's disease in non-demented elderly. *Current Alzheimer's Research*, 3(3), 247-257, 2006.
46. Shohamy, D., **Myers, C.**, Gekhman, K., Sage, J. & Gluck, M. L-dopa impairs learning, but spares generalization, in Parkinson's Disease. *Neuropsychologia*, 44(5), 774-784, 2006.
47. Meeter, M., **Myers, C.**, Shohamy, D., Hopkins, R., & Gluck, M. Strategies in probabilistic categorization: Results from a new way of analyzing performance. *Learning and Memory*, 13, 230-239, 2006.
48. **Myers, C.**, DeLuca, J., Hopkins, R., & Gluck, M. Conditional discrimination and reversal in amnesia subsequent to hypoxic brain injury or anterior communicating artery aneurysm rupture. *Neuropsychologia*, 44(1):130-139, 2006.
49. Polgár, P., Farkas, M., Nagy, O., Kelemen, O., Réthelyi, J., **Myers, C. E.**, Gluck, M. A. & Kéri, S. Cognitive skill learning in depression: The effect of context-change [Hungarian]. *Psychiatria Hungarica*, 22(4):271-275, 2007.
50. Nagy, O., Kelemen, O., Benedek, G., **Myers, C.**, Shohamy, D., Gluck, M. & Kéri, S. Dopaminergic contribution to cognitive sequence learning. *Journal of Neural Transmission*, 114(5):607-612, 2007.

51. Nagy, H., Kéri, S., **Myers, C.**, Benedek, G., Shohamy, D. & Gluck, M. Cognitive sequence learning in Parkinson's disease and amnesic mild cognitive impairment: Dissociation between sequential and non-sequential learning of associations. *Neuropsychologia*, 45, 1386-1392, 2007.
52. **Myers, C. E.**, Hopkins, R., DeLuca, J., Moore, N., Wolansky, L. J., Sumner, J. & Guck, M. Learning and generalization deficits in patients with memory impairments due to anterior communicating artery aneurysm rupture or hypoxic brain injury. *Neuropsychology*, 22(5):681-686, 2008.
53. Chase, H., Clark, L., **Myers, C. E.**, Gluck, M., Sahakian, B., Bullmore, E. & Robbins, T. The role of the orbitofrontal cortex in human discrimination learning. *Neuropsychologia*, 46(5), 1326-1337, 2008.
54. **Myers, C. E.**, Kluger, A., Golomb, J., Gluck, M. & Ferris, S. Learning and generalization tasks predict short-term outcome in non-demented elderly. *Journal of Geriatric Psychiatry and Neurology*, 21, 93-103, 2008.
55. Johnson, S., Schmitz, T., Asthana, S., Gluck, M., & **Myers, C.** Associative learning over trials activates the right hippocampus in healthy elderly but not mild cognitive impairment. *Aging, Neuropsychology and Cognition*, 15, 129-145, 2008.
56. Farkas, M., Polgár, P., Kelemen, O., Réthelyi, J., Bitter, I., **Myers, C. E.**, Gluck, M. A., Kéri, S. Associative learning in deficit and non-deficit schizophrenia. *Neuroreport*, 19(1), 55-58, 2008.
57. Polgár, P., Farkas, M., Nagy, O., Kelemen, O., Réthelyi, J., Bitter, I., **Myers, C. E.**, Gluck, M. A. & Kéri, S. How to find the way out from four rooms? The learning of "chaining" associations may shed light on the neuropsychology of the deficit syndrome of schizophrenia. *Schizophrenia Research*, 99(1-3), 200-207, 2008.
58. Meeter, M., Radics, G., **Myers, C. E.**, Gluck, M. & Hopkins, R. Probabilistic categorization: How do normal participants and amnesic patients do it? *Neuroscience and Biobehavioral Reviews*, 32(2):327-348, 2008.
59. Kéri, S., Nagy, H., **Myers, C. E.**, Benedek, G., Shohamy, D. & Gluck, M. Risk and protective haplotypes of the alpha-synuclein gene associated with Parkinson's disease differentially affect cognitive sequence learning. *Genes, Brain and Behavior*, 7:31-36, 2008.
60. Shohamy, D., **Myers, C. E.**, Kalanithi, J. & Gluck, M. Basal ganglia and dopamine contributions to probabilistic category learning. *Neuroscience and Biobehavioral Reviews*, 32(2):219-236, 2008.
61. Vadhan, N., **Myers, C. E.**, Rubin, E., Shohamy, D., Foltin, R., & Gluck, M. Stimulus-response learning in long-term cocaine users: Acquired equivalence and probabilistic category learning. *Drug and Alcohol Dependence*, 93(1-2):155-162, 2008.
62. Djonlagic, I., Rosenfeld, A., Shohamy, D., **Myers, C.**, Gluck, M., & Stickgold, R. Sleep enhances category learning. *Learning and Memory*, 16, 751-755, 2009.
63. Rutledge, R. B., Lazzaro, S. C., Lau, B., **Myers, C. E.**, Gluck, M. A. & Glimcher, P. W. Dopaminergic drugs modulate learning rates and perseveration in Parkinson's patients in a dynamic foraging task. *Journal of Neuroscience*, 29(48), 15104-15114, 2009.
64. Meeter, M., Shohamy, D., & **Myers, C. E.** Acquired equivalence changes stimulus representations. *Journal of Experimental Analysis of Behavior*, 91(1), 127-141, 2009.
65. Bódi, N., Kéri, S., Nagy, H., Moustafa, A., **Myers, C. E.**, Takáts, A., Bereczky, D., & Gluck, M. A. Reward-learning and the novelty-seeking personality: A between- and within-subjects study of the effects of dopamine agonists on young Parkinson's patients. *Brain*, 132(Pt 9):2385-2395, 2009.
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68. Moustafa, A., **Myers, C. E.** & Gluck, M. A. A neurocomputational model of classical conditioning phenomena: A putative role for the hippocampal region in associative learning. *Brain Research*, 1276:180-195, 2009.
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78. Beck, K. D., Jiao, X., Ricart, T. M., **Myers, C. E.**, Minor, T. R., Pang, K. C. H., & Servatius, R. J. Vulnerability factors in anxiety: Strain and sex differences in the use of signals associated with non-threat during the acquisition and extinction of active-avoidance behavior. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 35(7), 1659-1670, 2011.
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Books

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