

# KATHERINE D DUNCAN

Assistant Professor, Department of Psychology  
University of Toronto  
100 St. George. St, Toronto, ON, M5S 3G3

duncan@psych.utoronto.ca  
416-978-4248  
duncanlab.org

## EDUCATION

*Ph.D. Psychology, **New York University**, New York, NY, USA* 2006 - 2011  
Advisor: Lila Davachi

*B.S. Specialist in Psychology and major in Cognitive Science*  
**University of Toronto**, Toronto, ON, Canada 2001 - 2006  
Advisor: Morris Moscovitch

## POSITIONS HELD

*Assistant Professor, Department of Psychology, **University of Toronto**,* 2015-  
*Toronto, ON, Canada*

*Postdoctoral Research Fellow, **Columbia University**,* 2011-2015  
*New York, NY, USA*  
Advisor: Daphna Shohamy

## RESEARCH FUNDING

### **Comparing the Neural Basis of Memory Integration in Humans and Mice**

Canadian Institutes of Health Research Project Grant  
Start Date: 2018-07-01 Duration: 5 Years  
Nominated Primary Investigator Total Value: \$918,000  
Co-Investigators: Meg Schlichting, Sheena Joslynn, Paul Frankland

### **How do Cholinergic Brain States Impact Memory Abilities as We Age?**

Connaught Fund New Researchers Award  
Start Date: 2018-04-26 Duration: 2 Years  
Primary Investigator Total Value: \$35,000

### **Investigating the Influence of Novelty on Learning and Memory**

National Sciences and Engineering Research Council Discovery Grant  
Start Date: 2016-04-01 Duration: 5 Years  
Primary Investigator Total Value: \$140,000

### **Dynamic Memory States in the Human Brain**

Canadian Foundation for Innovation John R Evens Fund  
Start Date: 2015-08-01 Duration: 3 Years  
Primary Investigator Total Value: \$100,000

### **Dynamic Memory States in the Human Brain**

Ontario Research Fund  
Start Date: 2015-08-01  
Primary Investigator

Infrastructure Program  
Duration: 3 Years  
Total Value: \$100,000

### **Can Novelty Structure Statistical Learning during Development?**

University of Toronto  
Start Date: 2016-11-01  
Primary Investigator  
Co-Investigators: Amy Finn & Chris Honey

Chair's Postdoc Program  
Duration: 2 Years  
Total Value: \$40,000

### **Memory Dysfunction in Schizophrenia and Parkinson's Disease: Investigating the Role of Dopamine using Pharmacological FMRI**

Canadian Institutes of Health Research  
Start Date: 2013-06-01

Postdoctoral Fellowship  
Duration: 3 Years  
Total Value: \$150,000

### **RECOGNITIONS**

Elected to Memory Disorders Research Society	2018
CIHR Postdoctoral Fellowship Award	2013-2016
GSAS Dean's Student Travel Grant	2010
NYU McCracken Graduate Fellowship	2006-2011
Alumni and Friends Award, Innis College	2005
Aiming for the Top Provincial Scholarship	2001-2004
Margaret McCullough Scholarship	2001-2002
Innis College Admission Scholarship	2001
John W. Browne Admission Award	2001
Governor General's Academic Medal	2001

### **PEER REVIEWED PUBLICATIONS:**

Lohnas L, **Duncan K**, Dowle WK, Dvinsky O, Davachi L (2018). Time-resolved neural reinstatement and separation during memory decisions in human hippocampus. *Proceedings of the National Academy of Sciences*, 115, 7418-7427.

**Duncan K**, Schlichting ML (2018). Hippocampal representations as a function of time, subregion, and brain state. *Neurobiology of Learning and Memory*, 153, 40-56.

**Duncan K**, Doll BB, Daw ND, Shohamy D. (2018). More than the sum of its parts: a role for the hippocampus in configural reinforcement learning. *Neuron*, 98, 645-657.

Patil A, **Duncan K**. (2018). Lingering cognitive states shape fundamental mnemonic abilities. *Psychological Science*. 29, 45-55.

**Duncan K**, Shohamy D (2016). Memory states influence value-based decisions. *Journal of Experimental Psychology: General*, 145, 1420-26.

Tomparay A, **Duncan K**, Davachi L. (2016) High-resolution investigation of memory-specific reinstatement in the hippocampus and perirhinal cortex. *Hippocampus*, 26, 995-1007.

Tomparay A\*, **Duncan K\***, Davachi L. (2015) Consolidation of associative and item memory is related to post-encoding functional connectivity between the ventral tegmental area and different medial temporal lobe subregions during an unrelated task. *Journal of*

*Neuroscience* 35, 7326-7331.

Doll BB, **Duncan K**, Simon D, Shohamy D, Daw N. (2015) Model-based choices involve prospective neural activity. *Nature Neuroscience* 18, 767-772.

**Duncan K**, Tompary A, Davachi L. (2014) Associative encoding and retrieval are predicted by functional connectivity in distinct hippocampal area CA1 pathways. *Journal of Neuroscience* 34, 11188-11198.

**Duncan K**, Sadanand A, Davachi L (2012) Memory's penumbra: Episodic memory decisions induce lingering mnemonic biases. *Science* 337: 485-487.

**Duncan K**, Ketz N, Inati S, Davachi L (2012) Area CA1 as a match/mismatch detector: A high-resolution fMRI study of the human hippocampus. *Hippocampus* 22: 389-398.

Staresina B, **Duncan K**, Davachi L (2011) Perirhinal and parahippocampal cortices differentially contribute to later recollection of object- and scene-related event details. *Journal of Neuroscience* 31: 8739-8747.

**Duncan K**, Curtis C, Davachi L (2009) Distinct memory signatures in the hippocampus: intentional states distinguish match and mismatch enhancement signals. *Journal of Neuroscience* 29: 131-139.

### **NON-PEER REVIEWED PUBLICATIONS:**

**Duncan K**, Davachi L (2018) Disengagement with Cognitive Tasks Decreases Effect Sizes. *Nature Human Behavior*, 2: 606.

**Duncan K**, Shohamy D. (Accepted) Memory, Reward and Decision Making. 6th edition of The Cognitive Neurosciences, edited by Michael Gazzaniga.

### **PEER REVIEWED PUBLICATIONS: IN REVISION**

**Duncan K**, Shohamy D. Modulating the use of multiple memory systems in value based decisions with contextual novelty. *Journal of Cognitive Neuroscience*. Revision requested.

Decker L, **Duncan K\***, Finn AS\*, Mabbott D\*. Income-related gaps in children's cognition mediated by anterior not posterior hippocampus. *Nature Communications*. Revision requested.

### **PEER REVIEWED PUBLICATIONS: IN PREPARATION**

Patil A, Ryan JD, **Duncan K**. Opposing mnemonic and decision biases in memory judgments.

Tarder-Stoll H\*, Lalla A\*, Hasher L, **Duncan K**. Aging changes the relative contributions of memory systems to decision making.

Decker L, **Duncan K\***, Finn AS\*. Developmental gains in sustained attention influence episodic memory formation.

Liu H, **Duncan K\***, Finn AS\*. The durability of statistical learning.

Nealy K, Wang H, Schlichting M, **Duncan K**. OpenMaze: An accessible yet powerful tool for building experiments in virtual 3D environments.

Braun EK\*, **Duncan K\***, Girgis R, Wood S, Sharp M, van Geen C, Abi-Dargham A, Shohamy S. Dopaminergic modulation of associative memory in healthy humans.

## **THESIS:**

**Duncan K** (2011) Neural and cognitive mechanisms underlying human episodic memory encoding and retrieval. *Doctoral Thesis, New York University.*

## **INVITED AND CONFERENCE TALKS:**

“Opening Windows of Opportunity to Modify Human Memory.” Lake Ontario Visionary Establishment, Niagara Falls, 2019.

“Hippocampal Contributions to Configural Reinforcement Learning in Humans.” Winter Conference on the Neurobiology of Learning and Memory, Park City, 2019

“Opening Windows of Opportunity to Modify Human Memory.” Neuroscience & Mental Health Mini-Symposia Series, Hospital for Sick Children, Toronto, 2018.

“Reward, Memory and Decision Making.” Kavli Summer Institute in Cognitive Neuroscience, Lake Tahoe, 2018.

“Opening Windows of Opportunity for Enhancing Memory.” Pint of Science, Toronto, 2018.

“The lingering influence of novelty shapes fundamental memory processes.” Southern Ontario Neuroscience Society, Guelph, 2018.

“Memory States in the Human Brain and Behaviour.” Neurology Resident Education and Neuroscience Seminar Series, University of Ottawa, 2018

“Memory States in the Human Brain and Behaviour.” Plenary Symposium at Canadian Association for Neuroscience, Montreal, 2017.

“The lingering influence of novelty shapes fundamental memory processes.” Cognitive Neuroscience Society Annual Meeting, San Francisco, 2017.

“Learning from the unexpected to improve hindsight: Forming rich episodic memories may be particularly helpful when we don’t know what to learn.” Computational and Systems Neuroscience, Salt Lake City, 2017.

“Reading between the trials: How learning and memory relate to ongoing cognitive and neural processes.” Cognition and Circuits Seminar, Montreal Neurological Institute, Montreal, 2017.

“Reading between the trials: how learning and memory relate to background measures of functional connectivity.” Western University Colloquium, London, 2017.

“Reading between the trials: How ongoing cognitive and neural states influence memory performance.” Psychology Student Association Seminar, University of Toronto, Toronto, 2016.

“On the cutting edge of psychological science: Why we remember, why we forget, and why it matters.” University of Toronto Alumni Event, Toronto, 2016.

“Memory states influence value-based decision making.” University College London Affective Brain Seminar Series, London, 2016.

“Reading between the trials: How learning and memory relate to background measures of functional connectivity.” Toronto Western Research Institute Imaging Rounds, Toronto, 2016.

“The influence of ongoing cognitive and neural processing on learning and memory.”

Ebbinghaus Empire Meeting, Toronto, 2016.

"Reading between the trials: how learning and memory relate to background measures of functional connectivity." Rotman Research Institute Rounds, Toronto, 2016.

"The penumbra of memory: How lingering biases in mnemonic processing influence memory." Neuroscience Association of Undergraduate Students Everything Neuroscience Conference, Toronto, 2015.

"Hippocampal contributions to configural probabilistic learning." Manhattan Area Memory Meeting, Princeton, NJ, 2015.

"Contributions of episodic memory to value-based decisions." Manhattan Area Memory Meeting, New York, NY, 2014.

"The penumbra of memory: How lingering biases in mnemonic processing influence memories and decisions." University of Toronto, Toronto, ON, 2013.

"Recent exposure to novelty influences how memory guides decisions." Manhattan Area Memory Meeting, New York University, NY, 2013.

"The penumbra of memory: How our memories and decisions are influenced by recent mnemonic processing." Cognitive Lunch Talk Series, Columbia University, NY, 2013.

"The distinct processing demands of episodic encoding and retrieval: behavioral consequences and hippocampal mechanisms." The Rotman Research Institute, Toronto, ON, 2012.

"The tension between encoding and retrieval: An investigation of behavioral consequences and hippocampal mechanisms." Motivated Memory Group Meeting, Duke University, Durham, 2010.

"The tension between encoding and retrieval: An investigation of behavioral consequences and hippocampal mechanisms." Learning Lab Group Meeting, Columbia University, New York, 2010.

"Characterizing the variability of hemodynamic responses in the medial temporal lobe: Functional significance and implications for modeling." Center for Brain Imaging Users Group Meeting, New York, 2010.

"Relational 'match' and 'mismatch' signals in the human hippocampus are differentially modulated by active maintenance and perceptual novelty." Brown Bag Series, New York University, New York, 2008.

## **CONFERENCE PRESENTATIONS**

Decker A, **Duncan K**, Finn A. Children's Attentional States Shape Their Memory More Than Adults'. Society for Research in Child Development, 2019, Baltimore.

Decker A, **Duncan K**, Finn A, Mabbot D. Parental Income Alters Development of Anterior, but not Posterior, Hippocampus. Society for Research in Child Development, 2019, Baltimore.

Yu W, **Duncan K**, Schlichting M. How Does the Similarity of Related Experiences Impact Memory Representation Over Development? Society for Research in Child Development, 2019, Baltimore.

Nealy K, Schlichting M, **Duncan K**, Does the temporal proximity of related events modulate their integration in memory? Lake Ontario Visionary Establishment, 2019, Niagara Falls.

Braun EK\*, **Duncan K\***, Girgis R, Wood S, Sharp M, van Geen C Abi-Dargham A, Shohamy S.

Dopaminergic enhancement of associative memory in healthy humans. Society for Neuroscience, 2018, San Diego.

Lalla A, Patil A, Ryan JD, **Duncan K**. Opposing mnemonic and decision-making biases in recognition memory judgments. Cognitive Neuroscience Society, 2018, Boston

Decker A, Finn AS, **Duncan K**. How do developmental shifts in attentional control influence memory encoding? Cognitive Neuroscience Society, 2018, Boston

Braun EK, **Duncan K**, Girgis R, Wood S, Sharp M, van Geen C, Abi-Dargham A, Shohamy S. Dopaminergic modulation of associative memory in healthy humans. Cognitive Neuroscience Society, 2018, Boston

Tarder-Stoll H, Lalla A, Hasher L, **Duncan K**. Does aging influence the use of episodic memory in decision making? Cognitive Neuroscience Society, 2018, Boston

Liu H, **Duncan K**, Finn AS. The Durability of Statistical Learning: Direct and Indirect Measures. Cognitive Neuroscience Society, 2018, Boston

Katz C, Barkley V, **Duncan K**, Valiante T. Memory framework for testing deep brain stimulation, augmenting memory and investigating long term accelerated forgetting in patients with epilepsy. Society for Neuroscience, 2017, Washington DC

Gerraty RT, **Duncan K**, Doll BB, Daw ND, Shohamy S. Common and distinct neural contributions to episodic and incrementally-learned value. Society for Neuroscience, 2017, Washington DC.

Sun SS, Gias M, Magen N, **Duncan K**, Ferber S. Lingering mnemonic states influence the precision of working memory. Object Perception and Memory, Vancouver

Bein O, **Duncan K**, Davachi L, “Mnemonic Prediction errors modulate hippocampal connectivity patterns”, Cognitive Neuroscience Society Annual Meeting, 2017, San Francisco.

**Duncan K**, Gerraty RT, Doll BB, Daw ND, Shohamy D, “Disentangling the contributions of episodic memory and incremental learning to value-based decisions”, Society of Neuroscience Annual Meeting, 2016, San Diego.

Patil A, Mian F, Lee J, **Duncan K**, “Shifting the balance between pattern separation and completion: Recent memory retrieval increases people’s subsequent ability to recall associations”, Society of Neuroscience Annual Meeting, 2016, San Diego.

Patil A, Mian F, Sheikh J, **Duncan K**, “Shifting the balance between pattern separation and completion: Recent memory retrieval increases people’s subsequent ability to recall associations”, Cognitive Neuroscience Society Annual Meeting, 2016, New York.

Sharp M, **Duncan K**, Foerde K, Kahane R, Shohamy D, “Effects of dopamine on the consolidation of learning and memory: Implications for Parkinson’s disease”, Cognitive Neuroscience Society Annual Meeting, 2016, New York.

Lohans L, Duncan K, Thesen T, Devinsky O, Davachi L, “Modulation of mnemonic processing based on task relevance”, Cognitive Neuroscience Society Annual Meeting, 2016, New York.

Patil A, Mian F, Sheikh J, **Duncan K**, “Shifting the balance between pattern separation and completion: Recent memory retrieval increases people’s subsequent ability to recall associations”, Lake Ontario Visionary Establishment, 2016, Niagara Falls.

**Duncan K**, Doll BB, Daw ND, Shohamy D, “Hippocampal Contributions to Configural Probabilistic Learning”, Society of Neuroscience Annual Meeting, 2015, Chicago.

Sharp M, Foerde K, **Duncan K**, Shohamy D. “Effects of dopamine on the consolidation of incremental learning: Implications for Parkinson’s disease”, Society of Neuroscience Annual Meeting, 2015, Chicago.

Tompary A, **Duncan K**, Davach L, “High-resolution investigation of trial-level and state-level

similarity in the hippocampal subfields and MTL cortex”, Society for Neuroscience Annual Meeting, 2013, San Diego.

**Duncan K**, Doll BB, Daw ND, Shohamy D, "Interaction between the medial temporal lobe and the striatum during configural and elemental probabilistic classification learning", Society for Neuroscience Annual Meeting, 2013, San Diego.

Doll, BB, **Duncan K**, Simon DA, Shohamy D, Daw ND, "Neural correlates of model-based and model-free reinforcement learning strategies", Society for Neuroscience Annual Meeting, 2013, San Diego.

**Duncan K**, Shohamy D, "Recent exposure to novelty influences how memory guides decisions", Multidisciplinary Conference on Reinforcement Learning and Decision Making, 2013, Princeton.

Doll, BB, **Duncan K**, Simon DA, Shohamy D, Daw ND, "Neural correlates of forward planning in model-based reinforcement learning", Multidisciplinary Conference on Reinforcement Learning and Decision Making, 2013, Princeton.

**Duncan K**, Shohamy D, "Value-based decisions are modulated by exposure to familiar vs. novel cues", Cognitive Neuroscience Society Annual Meeting, 2013, San Francisco.

Tompson A, **Duncan K**, Davachi L, "What counts as 'rest'? low-frequency correlations within the medial temporal lobe during an unrelated task predict memory", Cognitive Neuroscience Society Annual Meeting, 2013, San Francisco.

**Duncan K**, Davachi L, "High-resolution fMRI measurements of hippocampal and medial temporal lobe subregion interactions during episodic memory formation and retrieval." Cognitive Neuroscience Society Annual Meeting, 2011, San Francisco.

**Duncan K**, Davachi L, "Carry-over effects provide evidence for pattern separation and completion biases." Society for Neuroscience Annual Meeting, 2010, San Diego.

**Duncan K**, Staresina B, Davachi L, "Temporal Dynamics of blood-oxygen-level dependent (BOLD) responses in the medial temporal lobe during associative encoding." Cognitive Neuroscience Society Annual Meeting, 2010, Montreal.

Staresina B, **Duncan K**, Davachi L, "Domain specificity in medial temporal lobe cortex during episodic memory formation." Cognitive Neuroscience Society Annual Meeting, 2010, Montreal.

**Duncan K**, Ketz N, Davachi L, "'Match' and 'mismatch' signals: A high-resolution fMRI study of the human hippocampus." Cognitive Neuroscience Society Annual Meeting, 2009, San Francisco.

**Duncan K**, Ketz N, Davachi L, "'Match' and 'mismatch' signals: A high-resolution fMRI study of the human hippocampus." Society for Neuroscience Annual Meeting, 2008, Washington DC.

**Duncan K**, Davachi L, "Relational 'match' and 'mismatch' signals in the human hippocampus are differentially modulated by active maintenance and perceptual novelty." Cognitive Neuroscience Society Annual Meeting, 2008, San Francisco.

**Duncan K**, Davachi L, "Relational 'match' and 'mismatch' signals in the human hippocampus." Society for Neuroscience Annual Meeting, 2007, San Diego.

## **PROFESSIONAL ACTIVITIES:**

**AD HOC REVIEWER:** *Nature: Human Behavior, Current Biology, Journal of Neuroscience, Journal of Experimental Psychology: General, Cognition, Journal of Cognitive Neuroscience, Hippocampus, Neuropsychologia, Cerebral Cortex, Neuroimage, ELife, ENeuro, Journal of*

*Neurophysiology, Journal of Memory and Language, Neurobiology of Learning and Memory, Social Cognitive and Affective Neuroscience, Memory & Cognition, Frontiers, and Neurocase*

**COMMITTEE MEMBERSHIP**

Toronto Neuroimaging Facility's Education Committee, Chair	2018-
Toronto Neuroimaging Facility's Policies and Procedures Committee, Chair	2017-
Toronto Neuroimaging Facility's Education Committee, Member	2017-2018
Psychology Undergraduate Teaching Committee, UofT, Member	2017-
Psychology Graduate Program Review Committee, UofT, Member	2017-2018
Toronto Neuroimaging Facility's Executive Committee, Member	2016-
Psychological Instruments Museum Committee, UofT, Chair	2016-
Cognitive Science Steering Committee, UofT, Psychology Representative	2015-

**WORKSHOP AND TALK SERIES COORDINATION**

Toronto Neuroimaging Facility User Meeting, Founder and Organizer	2017-
Neuroimaging in Python Pipelines and Interfaces Workshop, Co-organizer	2017
Introduction to Inquisit and MTurk for Online Data collection, Organizer	2016
MRI Method's Meeting, Columbia University, Founder and Organizer	2012
Advanced MRI Workshop, NYU, Founder and Co-organizer	2010
Brown Bag Talk Series, New York University, Co-organizer	2010

**TEACHING EXPERIENCE:**

<i>Instructor, University of Toronto, Programming for Psychologists*</i>	2018-2019
<i>Instructor, University of Toronto, Introduction to Cognition</i>	2018
<i>Instructor, University of Toronto, Cognitive Neuroscience</i>	2017-2019
<i>Instructor, University of Toronto, Cognitive Deficits in Neurological Disorders*</i>	2016-2017
<i>Instructor, New York University, Cognition</i>	2011
<i>Teaching Assistant, New York University, Cognition</i>	2010
<i>Teaching Assistant, New York University, Intermediate masters statistics</i>	2009
<i>Teaching Assistant, New York University, Lab in human cognition</i>	2008
<i>Teaching Assistant, New York University, Introduction to psychology</i>	2007

*\* denotes new courses developed for my department*

**TRAINEE SUPERVISION:**

**POSTDOCTORAL RESEARCHER SUPERVISION**

Margaret Schlichting	2016	Assistant Professor, UofT
Andrew Bauer*	2016-2017	Data Scientist, Feedzai

**PH.D. STUDENT SUPERVISION**

Alexandra Decker*	2018-	In good standing
Kyle Nealy	2018-	In good standing
Chiam Katz*	2017-	In good standing
Anuya Patil	2016-	In good standing



## **MA STUDENT SUPERVISION**

Ariana Yuom	2018-	In good standing
Kyle Nealy	2017-2018	Progressed to Ph.D. Psychology
Anuya Patil	2015-2016	Progressed to Ph.D. Psychology
Chiam Katz*	2016-2017	Progressed to Ph.D. Engineering

## **UNDERGRADUATE STUDENT/ RESEARCH ASSISTANT SUPERVISION**

### *Supervised as an Assistant Professor*

Roxanne Choy	2018-	Psychology and Human Biology Major
Mohamed Ali	2018-	Psychology Specialist
Jaden Murray	2018-	Psychology Specialist
Sneha Dasgupta	2018-	Math and Statistics Major
Sukham Sandhu	2018-	Psychology and Human Biology Major
Dongyan Lin	2018-	Physiology & Psychology Major
Victoriya Kozhemyakina	2018-	Psychology & Cellular Biology Major
Enri Boshti	2018-	Neuroscience & Biochemistry Major
Chiheng Zhou	2018-	Psychology & Neuroscience Major
Alex Gordienka	2018-	Computer Science & Neuroscience Major
Katie MacIntosh	2016-	Linguistics and Psychology Major
Wangjing Yu*	2016-	Psychology & Cognitive Science Major
Calvin Choi	2018	Computer Science & Cog Science Major
Chris Chow	2018	Computer Science & Economics Major
Hongyu Wang	2017-2018	Computer Science Specialist
Ariana Youm*	2017-2018	Psychology MA student at UofT
Hannah Tarder-Stoll*	2016-2018	Psychology MA student at Columbia
Azara Lalla	2016-2018	Psychology MA student at McGill
Frieda Jian	2015-2017	Entering Psychology MA, Queen's
Yaxin Lu	2016-2017	Psychology PhD Student at Emory
Freha Mian	2015-2017	Counselling Psychology, Yorkville
Helen Liu*	2015-2017	MA student in Health Sciences, UofT
Ashkan Kiyomarsi	2016-2017	Software Engineer, Bloomberg
Dylan Tucker	2015-2016	Medical School Student, McMaster
Shafquat Arefeen	2015-2016	Data Analyst, ON Securities Commission
Jihad El Sheikh	2015-2016	Software Developer, CaseBank
Eugina Barkova	2015-2016	Software Engineer, Rapid7
Sara Pishdadian	2015-2016	Psychology PhD Student, York
Luisa Man	2015-2016	Psychology PhD Student, Queen's
Rachel Downey	2015-2016	Psychology PhD Student, Concordia

### *Supervised as an Postdoctoral Researcher/Graduate Student*

Andrew Gregory*	2014-2015	Psychology PhD Student, UC Irvine
Luke Lawson*	2014-2015	Psychology PhD Student, NYU
Emily Feldstein*	2014	Research Analyst, The Tobin Project
Annika Semmler*	2013	Medical School Student, Vrije Universite
Sam Meyer*	2011-2013	PhD Student, U of New Mexico
Alice Berners-Lee*	2010-2011	PhD Student, Jonhs Hopkins
Arhanti Sadanand*	2010-2011	Pediatrician, St. Louis Children's Hospital

Vasilisa Skvortsova\*      2008-2010      Postdoc, Ecole Normale Superieure  
\* denotes co-supervision

***GRADUATE STUDENT COMMITTEES***

Ph.D. Advisory Committee Member:	6 Students
M.A. Subsidiary Advisor:	3 Students
Ph.D. Dissertation Reader:	2 Students
M.A. Thesis Reader:	5 Students