

CURRICULUM VITÆ

Máté Lengyel

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EDUCATION

- 1998–2000 M.Sc., Cell, Developmental and Neurobiology Program, Faculty of Sciences, Eötvös Loránd University (Budapest, Hungary)
- 2000–2003 Ph.D., Behavioral Neuroscience Program, Doctoral School of Biology, Faculty of Sciences, Eötvös Loránd University (Budapest, Hungary)

PROFESSIONAL HISTORY

- 2004–2006 Postdoctoral Research Fellow, Gatsby Computational Neuroscience Unit, University College London (United Kingdom)
- 2007 Visiting Research Fellow, Collegium Budapest Institute for Advanced Study (Budapest, Hungary)
- 2007–2012 Lecturer in Computational Neuroscience, Computational and Biological Learning Lab, Department of Engineering, University of Cambridge
- 2012– Reader in Computational Neuroscience, Computational and Biological Learning Lab, Department of Engineering, University of Cambridge
- 2012– Research Fellow, Department of Cognitive Science, Central European University

OTHER APPOINTMENTS AND AFFILIATIONS

Memberships in professional bodies

- 2000– Hungarian Neuroscience Society
- 2004– Society for Neuroscience
- 2011– British Neuroscience Association

Invited professorships

- 2010 École Normale Supérieure (1 month)
- 2011–2012 Central European University (8 month)

Editorships, memberships in advisory bodies

2010–2011	Neural Information Processing Systems (Programme Committee)
2012	Neural Information Processing Systems (Workshop Chair)
2011–2013	Computational and Systems Neuroscience (Programme Committee)
2011–2013	Psychometrics Centre, University of Cambridge (Steering Committee)
2012–2016	FENS/IBRO Advanced / Cajal Course on Computational Neuroscience (Director)
2016–	Wellcome Trust Cellular and Molecular Neuroscience Expert Review Group

Peer review activities

Grants:

Junior Research Fellowships (Cambridge, UK)	Bernstein Award (Germany)
Biotech and Biological Sci Research Council (UK)	Swiss National Science Foundation
Medical Research Council (UK)	NWO (Netherlands)
Wellcome Trust (UK)	Human Brain Project (EU)
Hungarian Scientific Research Fund	European Research Council
National Neuroscience Programme (Hungary)	National Science Foundation (USA)

Journals:

Behavioral and Brain Sciences	Nature
Brain Research	Nature Communications
Cognition	Nature Neuroscience
eLife	Neural Computation
European Journal of Neuroscience	Network: Computation in Neural Systems
Frontiers in Computational Neuroscience	Philos Transact of the Royal Society B Biol Sci
Frontiers in Synaptic Neuroscience	Physics Letters A
Hippocampus	PLoS Computational Biology
IEEE Transactions on Neural Networks	Proc of the National Academy of Sciences, USA
Journal of Computational Neuroscience	Science
Journal of Neurophysiology	Trends in Cognitive Sciences
Journal of Neuroscience	Vision Research

Books:

'Phase Response Curves in Neuroscience'

Peer-reviewed conferences:

Computational and Systems Neuroscience
Neural Information Processing Systems

AWARDS

1998	1st prize, University Scientific Competition, Eötvös Loránd University (Budapest, Hungary)
1999	2nd prize, National Scientific Competition, Neurobiology II, Hungary
1999	Scholarship of the Republic of Hungary
2000	Dean's List, Eötvös Loránd University (Budapest, Hungary)
2000	Scholarship of the Republic of Hungary
2001	Dean's List, Eötvös Loránd University (Budapest, Hungary)
2011	Wellcome Trust New Investigator Award

PUBLICATIONS

Peer-reviewed papers

- Orbán G, Kiss T, **Lengyel M**, Érdi P (2001) Hippocampal rhythm generation: gamma-related theta-frequency resonance in CA3 interneurons. *Biol Cybern* 84:123–132.
- Lengyel M**, Szatmáry Z, Érdi P (2003) Dynamically detuned oscillations account for the coupled rate and temporal code of place cell firing. *Hippocampus* 13:700–714.
- Zalányi L, Csárdi G, Kiss T, **Lengyel M**, Warner R, Tobochnik J, Érdi P (2003) Properties of a random attachment growing network. *Phys Rev E* 68:066104.
- Lengyel M**, Érdi P (2004) Theta modulated feed-forward network generates rate and phase coded firing in the entorhino-hippocampal system. *IEEE Trans Neural Netw* 15:1092–1099.
- Lengyel M**, Huhn Z, Érdi P (2005) Computational theories on the function of theta oscillations. *Biol Cybern* 92:393–408.
- Huhn Z, Orbán G, Érdi P, **Lengyel M** (2005) Theta oscillation-coupled dendritic spiking integrates inputs on a long time scale. *Hippocampus* 15:950–962.
- Lengyel M**, Kwag J, Paulsen O, Dayan P (2005) Matching storage and recall: hippocampal spike timing-dependent plasticity and phase response curves. *Nat Neurosci* 8:1677–1683.
- Orbán G, Fiser J, Aslin RN, **Lengyel M** (2008) Bayesian learning of visual chunks by human observers. *Proc Natl Acad Sci USA* 105:2745–2750.
- Remme MWH, **Lengyel M**, Gutkin BS (2009) The role of ongoing dendritic oscillations in single-neuron dynamics. *PLoS Comput Biol* 5:e1000493.
- Fiser J, Berkes B, Orbán G, **Lengyel M** (2010) Statistically optimal perception and learning: from behavior to neural representations. *Trends Cogn Sci* 14:119–30.
- Remme MWH, **Lengyel M**, Gutkin BS (2010) Democracy-independence trade-off in oscillating dendrites and its implications for grid cells. *Neuron* 66:429–437.
- Pfister JP, Dayan P, **Lengyel M** (2010) Synapses with short-term plasticity are optimal estimators of presynaptic membrane potentials. *Nat Neurosci* 13:1271–1275.
- Berkes P, Orbán G, **Lengyel M***, Fiser J* (2011) Spontaneous cortical activity reveals hallmarks of an optimal internal model of the environment. *Science* 331:83–87. *equal contributions
- Houlsby NMT, Huszár F, Ghassemi MM, Orbán G, Wolpert DM*, **Lengyel M*** (2013) Cognitive tomography reveals complex, task-independent mental representations. *Curr Biol* 23:2169–2175. *equal contributions
- Savin C, Dayan P, **Lengyel M** (2014) Optimal recall from bounded metaplastic synapses: predicting functional adaptations in hippocampal area ca3. *PLoS Comput Biol* 10:e1003489.
- Ujfalussy BB, Makara JK, Branco T, **Lengyel M** (2015) Dendritic nonlinearities are tuned for efficient spike-based computations in cortical circuits. *eLife* 4:e10056.
- Friedrich J, **Lengyel M** (2016) Goal-directed decision making with spiking neurons. *J Neurosci* 36:1529–46.
- Csibra G, Hernik M, Mascaro O, Tatone D, **Lengyel M** (2016) Statistical treatment of looking-time data. *Dev Psychol* 52:521–36.
- Yang SC, **Lengyel M***, Wolpert DM* (2016) Active sensing in the categorization of visual patterns. *eLife* 5:e12215. *equal contributions

- Yang SC, Wolpert DM*, **Lengyel M*** (2016) Theoretical perspectives on active sensing. *Curr Opin Behav Sci* 11:100–108. *equal contributions
- Orbán G, Berkes P, Fiser J, **Lengyel M** (2016) Neural variability and sampling-based probabilistic representations in the visual cortex. *Neuron* 92:530–543.
- Aitchison L, **Lengyel M** (2016) The Hamiltonian brain: efficient probabilistic inference with excitatory-inhibitory neural circuit dynamics. *PLoS Comput Biol* in press.

Invited commentary

- Latham PE, **Lengyel M** (2008) Phase coding: spikes get a boost from local fields. *Curr Biol* 18:R349–351.

Refereed conference proceedings

- Bazsó F, Kepecs Á, **Lengyel M**, Payrits S, Szalisznyó K, Zalányi L, Érdi P (1999) Single cell and population activities in cortical-like systems. *Rev Neurosci* 10:201–212.
- Lengyel M**, Kepecs Á, Érdi P (1999) Location-dependent differences between somatic and dendritic IPSPs. *Neurocomputing* 26–27:193–197.
- Misják F, **Lengyel M**, Érdi P (2001) Episodic memory and cognitive map in a rate model network of the rat hippocampus. *Lect Notes Comput Sci* 2130:1135–1140.
- Kiss T, Orbán G, **Lengyel M**, Érdi P (2001) Intrahippocampal gamma and theta rhythm generation in a network model of inhibitory interneurons. *Neurocomputing* 38-40:713–719.
- Papp G, Huhn Z, **Lengyel M**, Érdi P (2004) Effects of dendritic location and different components of LTP expression on the firing activity of hippocampal ca1 pyramidal cells. *Neurocomputing* 58-60:692–697.
- Huhn Z, Orbán G, Érdi P, **Lengyel M** (2005) Theta oscillation-coupled dendritic spiking integrates inputs on a long time scale. *Hippocampus* 15:950–962.
- Lengyel M**, Dayan P (2005) Rate- and phase-coded autoassociative memory. In: *Advances in Neural Information Processing Systems 17* (Saul LK, Weiss Y, Bottou L, eds.), Cambridge, MA: MIT Press, pp 769–776.
- Orbán G, Fiser J, Aslin RN, **Lengyel M** (2006) Bayesian model learning in human visual perception. In: *Advances in Neural Information Processing Systems 18* (Weiss Y, Schölkopf B, Platt J, eds.), Cambridge, MA: MIT Press, pp 1043–1050.
- Orbán G, Fiser J, Aslin RN, **Lengyel M** (2006) Learning objects by learning models: finding independent causes and preferring simplicity. In: *Proceedings of the Twenty-Eighth Annual Conference of the Cognitive Science Society* (Sun R, ed.), Cognitive Science Society, pp 645–650.
- Lengyel M**, Dayan P (2007) Uncertainty, phase and oscillatory hippocampal recall. In: *Advances in Neural Information Processing Systems 19* (Schölkopf B, Platt J, Hoffman T, eds.), Cambridge, MA: MIT Press, pp 833–840.
- Lengyel M**, Dayan P (2008) Hippocampal contributions to control: the third way. In: *Advances in Neural Information Processing Systems 20* (Platt JC, Koller D, Singer Y, et al., eds.), Cambridge, MA: MIT Press, pp 889–896.
- Pfister JP, Dayan P, **Lengyel M** (2009) Know thy neighbour: a normative theory of synaptic depression. In: *Advances in Neural Information Processing Systems 22* (Bengio Y, Schuurmans D, Lafferty J, et al., eds.), Cambridge, MA: MIT Press, pp 1464–1472.

- Huszár F, Noppeney U, **Lengyel M** (2010) Mind reading by machine learning: a doubly Bayesian method for inferring mental representations. In: *Proceedings of the Thirty-Second Annual Conference of the Cognitive Science Society*. pp 2810–2815.
- Savin C, Dayan P, **Lengyel M** (2011) Two is better than one: distinct roles for familiarity and recollection in retrieving palimpsest memories. In: *Advances in Neural Information Processing Systems 24* (Shawe-Taylor J, Zemel R, Bartlett P, et al., eds.), pp 1305–1313.
- Ujfalussy BB, **Lengyel M** (2011) Active dendrites: adaptation to spike-based communication. In: *Advances in Neural Information Processing Systems 24* (Shawe-Taylor J, Zemel R, Bartlett P, et al., eds.), pp 1188–1196.
- Savin C, Dayan P, **Lengyel M** (2013) Correlations strike back (again): the case of associative memory retrieval. In: *Advances in Neural Information Processing Systems 26* (Burgess C, Bottou L, Welling M, et al., eds.), pp 288–296.
- Tootoonian S, **Lengyel M** (2014) A dual algorithm for olfactory computation in the locust brain. In: *Advances in Neural Information Processing Systems 27* (Ghahramani Z, Welling M, Cortes C, et al., eds.), Curran Associates, Inc., pp 2276–2284.
- Hennequin G, Aitchison L, **Lengyel M** (2014) Fast sampling-based inference in balanced neuronal networks. In: *Advances in Neural Information Processing Systems 27* (Ghahramani Z, Welling M, Cortes C, et al., eds.), Curran Associates, Inc., pp 2240–2248.
- Festa D, Hennequin G, **Lengyel M** (2014) Analog memories in a balanced rate-based network of E-I neurons. In: *Advances in Neural Information Processing Systems 27* (Ghahramani Z, Welling M, Cortes C, et al., eds.), Curran Associates, Inc., pp 2231–2239.
- McNamee D, Wolpert DM, **Lengyel M** (2016) Efficient state-space modularization for planning: theory, behavioral and neural signatures. In: *Advances in Neural Information Processing Systems 29*, Curran Associates, Inc.

Book chapters

- Érdi P, **Lengyel M** (2003) Matematikai modellek az idegrendszer-kutatásban. In: *Kognitív idegtudomány* (Pléh C, Kovács G, Gulyás B, eds.), Budapest: Osiris, pp 126–148.
- Remme MWH, **Lengyel M**, Gutkin BS (2012) A theoretical framework for the dynamics of multiple intrinsic oscillators in single neurons. In: *Phase response curves in neuroscience: theory, experiment, and analysis* (Schultheiss NW, Prinz AA, Butera RJ, eds.), Springer, pp 53–72.

GRANTS

- 2006 British Council Franco-British Alliance Programme, £2,300, + €3000 (Lengyel's share: **£1,500**), co-PIs: Peter Dayan (University College London, United Kingdom) and Boris Gutkin (École Normale Supérieure, France)
- 2006–2007 NWO – British Council Partnership Programme in Science, £1,120, + €1,600 (Lengyel's share: **£1,120**), co-PI: Francesco Battaglia (University of Amsterdam, The Netherlands)
- 2008–2011 Wellcome Trust Project Grant, *Spike timing-based memory in the hippocampus*, £345,000 (Lengyel's share: **£150,000**), co-PIs: Peter Dayan (University College London, United Kingdom) and Ole Paulsen (University of Oxford, United Kingdom)
- 2012-2014 EU FP7 ICT Collaborative Grant, *Brain-inspired multiscale computation in neuromorphic hybrid systems – enlarged EU*, €700,000 (Lengyel's share: **€126,000**), 9 collaborative partners from Austria, England, France, Germany, Hungary, Norway, and The Netherlands

- 2011-2019 Wellcome Trust New Investigator Award, *Normative neurophysiology*, £990,000, sole PI
- 2017-2022 ERC Consolidator Grant, *Cognitive tomography of mental representations*, €1,170,000, sole PI

SELECTED INVITED LECTURES

- 2004 Seminar University of Oxford, UK
- 2005 Seminar Collège de France, France
- 2006 Seminar University of Toronto, Canada
- 2006 Seminar University of Rochester, USA
- 2006 Seminar Northwestern University, USA
- 2006 Seminars University of California, Berkeley, USA
- 2006 Seminar University of Amsterdam, The Netherlands
- 2006 Talk CNS Workshop on “Phase Response Curves: Where Theory and Experiments Intersect”
- 2006 Talk CNS Workshop on “Functional Models of the Hippocampal Formation”
- 2007 Seminar Center for Neural Science, New York University, USA
- 2008 Lecture Programme Gulbenkian Champalimaud in Neuroscience on “Hippocampus and Navigation”, Oeiras, Portugal
- 2008 Talk FENS Symposium on “Sleep, off-line reactivation and memory consolidation”
- 2008 Seminar École Polytechnique Fédérale de Lausanne, Switzerland
- 2008 Talk NIPS workshop on Machine Learning Meets Human Learning
- 2009 Lectures Summer School on “Memory and Mind”, Central European University, Budapest, Hungary
- 2009 Seminar University of Edinburgh, UK
- 2009 Talk Biowire09 Symposium, University of Cambridge, UK
- 2009 Talk Bernstein Conference, Student Symposium, Frankfurt, Germany
- 2009 Panel NIPS workshop on “Bounded-rational analyses of human cognition”
- 2010 Lectures Ararat Memory Meeting, Armenia
- 2010 Seminar Birkbeck College, UK
- 2010 Seminar Gatsby Computational Neuroscience Unit, UCL, UK
- 2010 Talk “Neurocomp Marseille”, France
- 2010 Lecture FENS/IBRO summer school on “Cognition and action”, Dubrovnik, Croatia
- 2010 Panel Workshop on “Grid Cells: Formation and Function”, Gatsby Computational Neuroscience Unit, UCL, UK
- 2010 Lectures Summer School on “Beliefs and Decisions”, Central European University, Budapest, Hungary
- 2010 Keynote MRC Anatomical Neuropharmacology Unit Science Day, UK
- 2010 Seminar École Normale Supérieure, France
- 2010 Seminar Central European University, Budapest, Hungary
- 2010 Seminar Brandeis University, USA
- 2010 Seminar Research Institute for Particle and Nuclear Physics, Budapest, Hungary
- 2010 Seminar Institute of Experimental Medicine, Budapest, Hungary
- 2011 Talk Cosyne workshop on “Perception, action, and learning”
- 2011 Plenary “Mathematical Neuroscience 2011”, International Centre for Mathematical Sciences, Edinburgh, UK
- 2011 Seminar Cortex Club, University of Oxford, United Kingdom
- 2011 Seminar Imperial College, UK

- 2011 Lectures Summer School on “Brains and Minds”, Central European University, Budapest, Hungary
- 2011 Lectures FENS/IBRO Advanced Course on Computational Neuroscience, Będlewo, Poland
- 2011 Talk European Biophysics Congress, Budapest, Hungary
- 2011 Talk Workshop on “Learning and Plasticity”, Marseille, France
- 2011 Seminar University of Manchester, UK
- 2012 Seminar University of Sussex, UK
- 2012 Seminar University of Bern, Switzerland
- 2012 Talk Workshop on “Dendrites: Substrates for Information Processing”, HHMI Janelia Farm, USA
- 2012 Seminar University of Warwick, UK
- 2012 Seminar University of Bristol, UK
- 2012 Talk 28th Symposium of the Center for Visual Science, Rochester University, USA
- 2012 Lecture “White Nights of Computational Neuroscience”, St Petersburg, Russia
- 2012 Lectures FENS/IBRO Advanced Course on Computational Neuroscience, Będlewo, Poland
- 2012 Plenary Bernstein Conference, Munich, Germany
- 2012 Lecture MPS-UCL Advanced Summer School on “Computational Psychiatry and Ageing Research”, Schloss Ringberg, Germany
- 2012 Talk Neural Computation: From Perception to Cognitive Function, Berlin, Germany
- 2013 Plenary Budapest CEU Conference on Cognitive Development, Budapest, Hungary
- 2013 Talk Cosyne Workshop on “Dendritic computation in neural circuits”
- 2013 Seminar University of Sheffield
- 2013 Seminar Gatsby Computational Neuroscience Unit, UCL, London, UK
- 2013 Talk Workshop on “Dynamics of cortical and cortical-subcortical circuits”, HHMI Janelia Farm, USA
- 2013 Lectures FENS/IBRO Advanced Course on Computational Neuroscience, Będlewo, Poland
- 2013 Seminar MPI for Brain Research, Frankfurt, Germany
- 2013 Seminar Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland
- 2014 Talk Cosyne Workshop on “Noise correlations in the cortex”
- 2014 Seminar Imperial College London
- 2014 Talk OCCAM 2014 Meeting, Osnabrück, Germany
- 2014 Seminar ETH & University Zürich, Switzerland
- 2014 Seminar University of Edinburgh
- 2014 Lectures FENS/IBRO Advanced Course on Computational Neuroscience, Frankfurt, Germany
- 2014 Lecture MPS-UCL Advanced Summer School on “Computational Psychiatry and Ageing Research”, Germany
- 2014 Seminar Institute for Science and Technology, Austria
- 2014 Seminar University of Birmingham
- 2014 Talk Workshop on “Stochastic Neural Computation”, European Institute for Theoretical Neuroscience, Paris, France
- 2015 Seminar Wigner Institute, Budapest, Hungary
- 2015 Talk Gordon Research Conference on “Dendrites”, USA
- 2015 Seminar Wellcome Trust Centre for Neuroimaging, UCL, London, UK
- 2015 Talk Workshop on “Plasticity and Learning”, European Institute for Theoretical Neuroscience, Paris, France
- 2015 Talk Bernstein “Sparks” Workshop, Max Planck Institute, Tübingen, Germany
- 2015 Talk Workshop on “Adaptive Brains and Machines”, University of Cambridge, UK
- 2015 Talk Swartz Workshop, HHMI Janelia Research Campus, USA
- 2015 Lectures FENS/IBRO Advanced Course on Computational Neuroscience, Lisbon, Portugal

- 2015 Keynote Memory Disorders Society Meeting, Cambridge, UK
- 2015 Talk Workshop on “Probabilistic Inference and the Brain”, European Institute for Theoretical Neuroscience, Paris, France
- 2015 Seminar Swartz Seminar, Center for Neural Science, New York University, USA
- 2015 Seminar Centre for Neural Circuits and Behaviour, University of Oxford, UK
- 2016 Talk Cosyne Workshop on “Coding, correlations and the dimensionality of neural activity”
- 2016 Seminar Faculty Seminar, Humanities & Social Sciences, Caltech, USA
- 2016 Keynote Bristol University Wellcome Trust Neural Dynamics Retreat, UK
- 2016 Seminar Champalimaud Centre for the Unknown, Lisbon, Portugal
- 2016 Lectures FENS/IBRO Cajal Course on Computational Neuroscience, Lisbon, Portugal
- 2016 Talk Bernstein Workshop on “Active dendrites”, Berlin, Germany
- 2016 Plenary Bernstein Conference, Berlin, Germany
- 2016 Talk Conference on “Information, Control, and Learning”, Hebrew University, Israel
- 2016 Seminar University of Lancaster, UK
- 2016 Seminar Gatsby Computational Neuroscience Unit, UCL, UK

SUPERVISION

Postgraduate students

- 2007–2009 Ferenc Huszár, MSc (Budapest University of Technology and Economics)
distinction and 1st prize + special prize for the most valuable scientific achievement at the Hungarian national competition for undergraduate research, PhD student at Department of Engineering, University of Cambridge with an External Research Fellowship from Trinity College, now researcher at Twitter
- 2009–2010 Robin Brown, MSc (PDN)
distinction
- 2009–2010 Mark Ioffe, MSc (Cavendish Laboratory)
now PhD student at Princeton
- 2010–2011 Laurence Aitchison, MSc (Systems Biology)
distinction, PhD student at Gatsby Unit, University College London, now postdoc in CBL, Department of Engineering, University of Cambridge, University of Cambridge
- 2010–2011 Jakob Foerster, MSc (Cavendish Laboratory)
distinction, now PhD student at Department of Computer Science, University of Oxford
- 2010–2011 Jonathan O’Keeffe, MSc (UCL)
now Wellcome Trust Clinical Fellow, University College London
- 2010–2014 Neil Houlsby, PhD (co-supervised with Zoubin Ghahramani)
Google Europe Fellowship in Statistical Machine Learning, now researcher at Google Zurich
- 2011–2012 DJ Strouse, MPhil
Churchill Scholar, now PhD student at Princeton University on a Hertz Fellowship
- 2012–2016 Dylan Festa
starts postdoc at Albert Einstein College with Ruben Coen-Cagli in November, 2016
- 2012–2016 Yan Wu, PhD
now research scientist at Google DeepMind
- 2014–2015 Alexander Greaves Tunnell, MPhil (co-supervised with Richard Turner)
Herchel Smith Fellow, now PhD student at the University of Washington
- 2014–2015 Ryutaro Tanno, MPhil
now PhD student at University College London

- 2015–2016 David Zoltowski, MPhil
Churchill Scholar, now research assistant at Princeton University (declined PhD offers from University of Geneva, and Carnegie Mellon University)
- 2016– Brian Trippe, MPhil
Kellett Fellow

Postdoctoral fellows

- 2006–2008 Gergő Orbán (co-supervised with József Fiser and Daniel Wolpert)
2010–2012 now group leader at Wigner Institute, Budapest, on a Momentum grant from the Hungarian Academy of Sciences
- 2008–2010 Jean-Pascal Pfister
received 'Ambizione' grant from the Swiss National Science Foundation, now an SNF Professor at the Institute for Neuroinformatics (ETHZ / University of Zürich), starts tenured professorship at the University of Bern in 2017
- 2010–2013 Cristina Savin
received ISTFELLOW fellowship at IST Austria, starts tenure track professorship at New York University in 2017
- 2011–2013 Balázs Ujfalussy
received Marie Curie Fellowship to work in the group, now postdoc at the Institute of Experimental Medicine, Budapest with Judit Makara
- 2012–2015 Sina Tootonian
postdoc at the Gatsby Computational Neuroscience Unit, UCL with Peter Latham
- 2012–2015 Guillaume Hennequin
received SNF Fellowship to work in the group, now faculty at Department of Engineering, University of Cambridge, University of Cambridge
- 2013–2015 Johannes Friedrich
received SNF Fellowship to work in the group, now postdoc at Columbia with John Cunningham and Liam Paninski
- 2014–2016 David Barrett
now research scientist at Google DeepMind
- 2015– Daniel McNamee
received Sir Henry Wellcome Postdoctoral from the Wellcome Trust
- 2016– Alberto Bernacchia
- 2016– Laurence Aitchison
- 2016– Greg Sotiropoulos (co-supervised with Daniel Wolpert)

EXAMINING

- 2008 Gediminas Luksys, PhD, Ecole Polytechnique Fédérale de Lausanne
- 2011 Thomas Akam, PhD, University College London
- 2011 Francisco Javier Hernandez Heras, MPhil, University of Cambridge
- 2012 Edward Turnham, PhD, University of Cambridge
- 2012 Danilo Jimenez Rezende, PhD, Ecole Polytechnique Fédérale de Lausanne
- 2013 Diana Burk, MPhil, University of Cambridge
- 2015 Péter Friedrich, MSc, Pázmány Péter Catholic University
- 2015 Francisco Javier Hernandez Heras, PhD, University of Cambridge