

Dr. Richard E. Turner

CONTACT DETAILS	Computational and Biological Learning Lab Department of Engineering University of Cambridge CB2 1PZ, UK	+44 (0)1223 332600 ret26@cam.ac.uk Research Group Homepage Google Scholar Profile
APPOINTMENTS	Department of Engineering, University of Cambridge, UK <i>University Lecturer in Computer Vision and Machine Learning</i>	2012 – present
	Christ’s College, University of Cambridge, UK <i>Full Fellow</i>	2015 – present
EDUCATION AND QUALIFICATIONS	University College London, London, UK Ph.D. Gatsby Computational Neuroscience Unit	2010
	<ul style="list-style-type: none">• Dissertation title: <i>Statistical models for natural sounds</i>• Area: Machine learning, Adviser: Dr. Maneesh Sahani	
	University of Cambridge, Cambridge, UK Natural Sciences, Gonville and Caius College, M.Sci, B.A. Hons	2003
	<ul style="list-style-type: none">• Specialism: Experimental and Theoretical Physics• First Class Honours, awarded Duncan Bruce Memorial Prize	
PROFESSIONAL HISTORY	Christ’s College, University of Cambridge, UK <i>Bye Fellow</i>	2012 – 2015
	Computational and Biological Learning Lab, University of Cambridge, UK <i>EPSRC Postdoctoral Research Fellow</i>	2010 – 2012
	Laboratory for Computational Vision, Center for Neural Science, NYU, USA <i>International Scholar</i>	2010 – 2011
	Centre for the Neural Basis of Hearing, University of Cambridge, UK <i>Research Assistant</i>	2003 – 2004
HONOURS AND AWARDS (SELECTED)	<ul style="list-style-type: none">• Keynote Lecture IEEE Workshop on Machine Learning for Signal Processing, 2016• Best Paper Award Time-Series workshop, NIPS 2015 (34 submissions)• Cambridge University Students’ Union Outstanding Lecturing Award 2015• Three spotlight oral presentations NIPS (3% of submissions)• Best Student Paper Award, ICA Conference, 2007• Duncan Bruce Memorial Prize for Physics, 2003	

GRANTS

- Facebook AI Research Partnership (GPU server gift) 2016, £50,000 (est)
- Google European Doctoral Fellowship (for Thang Bui) 2015, £80,000
- EPSRC Research Grant (PI), “Machine Learning for Hearing Aids: Intelligent Processing and Fitting” 2015, £720,000
- Advanced Bionics Research Award (co-PI with Dr. Carlyon) 2015, £100,000
- EPSRC First Grant, “Unifying audio signal processing and machine learning: a fundamental framework for machine hearing”, 2013, £125,000
- Google Research Award, “Recognising audio content and removing noise using audio textures”, 2013, \$61,000
- Baroness de Turckhiem Fund Award, “Improving the evaluation of cochlear implants using machine learning”, 2013, £18,000
- EPSRC Postdoctoral Research Fellowship, “Probabilistic Auditory Scene Analysis”, 2010-2013, £230,000

PROFESSIONAL ACTIVITIES (SELECTED)

- Thesis examination: 14 PhD (5 external), 3 MPhil
- Member of the Signal and Data Analytics for Machine Learning Special Area Team
- Area Chair Neural Information Processing Systems, 2013
- Reviewing (Journals): Journal of the Acoustical Society of America, Journal of Machine Learning Research, Machine Learning, Computer Speech and Language, IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Signal Processing, PLoS Computational Biology, Action on Hearing Loss
- Reviewing (Conferences): Neural Information Processing Systems, International Conference on Acoustics Speech and Signal Processing, Artificial Intelligence and Statistics, International Conference on Machine Learning, and Computational and Systems Neuroscience.

RESEARCH SUPERVISION

PhD Supervisor

- Alexandre Navarro, Science Without Borders Cambridge Scholarship (2013 -)
- Thang Bui, Google Faculty Grant and European Doctoral Fellowship (2013 -)
- Yingzhen Li, Schlumberger Faculty for the Future Fellowship (2013 -)
- Shane Gu, Kenneth Sutherland Memorial Scholarship from Jesus College (2014 -)
- Mateo Rojas, EPSRC Doctoral Training Centre award (2014 -)
- Mark Rowland, Cambridge Centre for Analysis DTC award (2015 -)
- James Requeima, Invenia Labs Fellowship, (2016 -)

Research Assistant/Associates

- Rosy Southwell, Research Assistant, funded by Baroness de Turckheim Fund Award (Sep 2013 - March 2014)
- Dr. Felipe Tobar, funded by EPSRC First Grant, (Sep 2014 - Sep 2015)
- Dr. Viet Cuong Nguyen, funded by EPSRC Research Grant, (Oct 2016 -)