

Curriculum Vitae

Radoslaw Martin Cichy, Dr. rer. nat.

Research Group Leader
Freie Universität Berlin
Department of Education and Psychology

Habelschwerdter Allee 45
JK25/221b
Tel: (+49) 30 838-61132
radoslaw.cichy@fu-berlin.de

EDUCATION

- | | |
|-------------|--|
| 2007 – 2011 | Bernstein Center for Computational Neuroscience
Ph.D. in Psychology (Jan 2011)
Advisor: John-Dylan Haynes |
| 2006 – 2007 | Charité University Medicine, Berlin
Laboratory Assistant at the Vision and Motor Research Group |
| 2005 – 2006 | Studienkolleg zu Berlin
Fellow |
| 2004 – 2006 | Charité University Medicine, Berlin
M.Sc. Medical Neuroscience (Jun 2006) |
| 2003 – 2004 | University of Oxford
Exchange Student, Philosophy |
| 2001 – 2004 | University Osnabrück
B.Sc. Cognitive Science, with distinction (Oct 2004)
Advisor: Achim Stephan |

RESEARCH EXPERIENCE

- | | |
|-------------|--|
| 2012 – 2015 | Massachusetts Institute of Technology
Postdoctoral Fellow
Advisor: Aude Oliva |
| 2011 – 2012 | Charité University Medicine, Berlin
Postdoctoral Researcher
Advisors: Philipp Sterzer & John-Dylan Haynes |

ACADEMIC TRACK & APPOINTMENTS

- | | |
|------------|---|
| 2018 – now | Berlin School of Mind and Brain
Faculty Member |
| 2016 – now | Freie Universität Berlin, Germany
Research Group Leader (Emmy Noether Program of the German Science Foundation, ERC Starting Grant) |
| 2015 | Glasgow University
Senior Lecturer |

FELLOWSHIPS & AWARDS

2020	Neuroimage Paper of the Year (Cichy, ... , Charest 2019)
2019 - 2020	Fellow of the Research Group "Cognitive Behavior of Humans, Animals and Machines: Situation Model Perspectives" (Center for Interdisciplinary Research, University Bielefeld)
2018	European Young Leader Class 2018 (Friends of Europe)
2015 – 2016	Feodor Lynen Return Scholarship (Alexander von Humboldt Foundation)
2015	Cosyne Presenter Travelling Award
2014	MIT Postdoctoral Association Travel Scholarship
2013 – 2015	Feodor Lynen Research Fellowship (Alexander von Humboldt Foundation)
2010	Scholarship of the Max Planck Institute for Human Cognitive and Brain Sciences
2007 – 2010	University Scholarship of the Berlin School of Mind&Brain (Excellence Initiative of the German State)
2005 – 2006	Hertie Foundation Fellowship
2001 – 2006	German National Merit Foundation (Studienstiftung des Deutschen Volkes)
2003	Homann price for excellence in studies (University of Osnabrück)

GRANTS & DONATIONS

2020	<i>Localizing individual steps of stimulus-response transformations in the human brain with highly parameterized models</i> (DFG, MO 3610/2-1, PI Holger Mohr, Co-applicant, 350k€)
2019	<i>Perceptual Information Flow Through Decision Networks</i> (ARC, Co-PI with Profs. Thomas Carlson, Mac Shine (U Sydney) & Mark Coutanche (U Pittsburgh), ~580k AU\$)
2018	<i>Neural mechanisms of real-life categorical decisions</i> (DFG, CI 241/1-3, PI, Co-PI Prof. Klaus Obermayer, 370k€)
2018	<i>Cracking the neural code of human object vision (CRACK)</i> (ERC Starting Grant (PI, 1.5M€)
2018	<i>Objects in Scenes – How scene structure shapes visual object representations</i> (DFG, PI Dr. Daniel Kaiser, Co-applicant, 272k€)
2018	<i>High-Performance Computing Cluster and Storage System</i> at FU Berlin (INST 130/1063-1 FUGG, Co-applicant, 1/25 th of 3M€)
2016 – 2021	<i>Neural dynamics of visual cognition</i> , Emmy Noether Award of the DFG (CI 241/1-1, PI, 1.2M€)
2016	NVIDIA academic hardware donation
2015 – 2017	<i>Developmental mechanisms of perception and language in the infant brain</i> (NSF, BCS-1514351, Advisor)
2012 – 2015	<i>Glass in Contemporary Architecture: Perception, Action, and Social Behaviour</i> (European Platform for Life Sciences, Mind Sciences, and the Humanities; Volkswagen Foundation, 85-640, Co-PI)

COMMITTEE WORK

2018 – now	Excellence Council of the Freie Universität Berlin (member)
2016 – now	Ethics Committee of the Department of Education and Psychology (member)

PREPRINTS

Cichy RM, Roig G, Andonian A, Dwivedi K, Lahner B, Lascelles A, Mohsenzadeh Y, Ramakrishnan K, Oliva A (2019) *The Algonauts Project: A Platform for Communication between the Sciences of Biological and Artificial Intelligence*. arXiv; doi: 1905.05675.

PEER-REVIEWED ARTICLES

accepted & in press

Bayet L, Zinszer D, Reilly E, Cataldo JK, Pruitt Z, **Cichy RM**, Nelson III CA, Aslin RN (2020) *Temporal dynamics of visual representations in the infant brain*. *Devel Cogn Neurosci*; doi: 10.1016/j.dcn.2020.100860.

Cichy RM, Oliva A (in press) *A M/EEG-fMRI Fusion Primer: Resolving Human Brain Responses in Space and Time*. *Neuron*; doi: 10.1016/j.neuron.2020.07.001.

Dwivedi K, **Cichy RM***, Roig G* (accepted) *Unravelling Representations in Scene-selective Brain Regions Using Scene Parsing Deep Neural Networks*. *J Cog Neuro*.

Dwivedi K, Juang J, **Cichy RM***, Roig G* (accepted). *Duality Diagram Similarity: a generic framework for initialization selection in task transfer learning*. ECCV 2020.

Kaiser D, Inciuraitė G, **Cichy RM** (in press) *Rapid contextualization of fragmented scene information in the human visual system*. *Neuroimage*; doi: 10.1016/j.neuroimage.2020.117045.

2020

Xie S, Kaiser D, **Cichy RM** (2020) *Visual Imagery and perception share neural representations in the alpha frequency band*. *Curr Biol* 30(13): 2621-2627. doi: 10.1016/j.cub.2020.04.074.

Kaiser D, Haberle G, **Cichy RM** (2020) *Real-world structure facilitates the rapid emergence of scene category information in visual brain signals*. *J Neurophysiol* 124(1): 145-151; doi: 10.1152/jn.00164.2020.

Kaiser D, Häberle G, **Cichy RM** (2020) *Cortical sensitivity to natural scene structure*. *Hum Brain Map* 41(5): 1286-1295.

2019

Cichy RM, Roig G, Oliva A (2019) *The Algonauts Project*. *Nat Machin Intel* 1: 630.

Kietzmann T, Courtney JS, Sørensen L, **Cichy RM**, Hauk O, Kriegeskorte N (2019) *Recurrence required to capture the dynamic computations of the human ventral visual stream*. *PNAS* 116(43): 21854-21863; doi: 10.1073/pnas.1905544116.

Kaiser D, Turini J, **Cichy RM** (2019) *A neural mechanism for contextualizing fragmented inputs during naturalistic vision*. *eLife* 2019; 8: e48182, doi: 10.7554/eLife.48182.

Kaiser D, Quak GL, **Cichy RM**, Peelen MV (2019) *Object vision in a structured world*. *Trends Cogn Sci* 23(8): 672-685.

Cichy RM & Kaiser D (2019) *Deep neural networks as scientific models*. Trends Cogn Sci 23(4): 305-317; doi: 10.1016/j.tics.2019.01.009.

Cichy RM, Kriegeskorte N, Jozwik K, van den Bosch JJF, Charest I (2019) *The spatiotemporal neural dynamics underlying perceived similarity for real-world objects*. Neuroimage 194(1): 12-24; doi: 10.1016/j.neuroimage.2019.03.031.

Mohsenzadeh Y, Mullin C, Lahner B, **Cichy RM**, Oliva A (2019) *Reliability and Generalizability of Similarity-Based Fusion of MEG and fMRI Data in Human Ventral and Dorsal Visual Streams*. Vision 3(1), 8; doi: 10.3390/vision3010008.

Ambrus GG*, Kaiser D*, **Cichy RM**, Kovács G (2019) *The neural dynamics of familiar face recognition*. Cereb Cortex bhz010; doi: 10.1093/cercor/bhz010.

2018

Khaligh-Razawi SM, **Cichy RM**, Pantazis D, Oliva A (2018) *Tracking the spatiotemporal neural dynamics of real-world object size and animacy in the human brain*. J Cogn Neurosci 30(11): 1559-1576; doi: 10.1162/jocn_a_01290.

Kaiser D, **Cichy RM** (2018) *Typical visual-field locations facilitate access to awareness for everyday objects*. Cognition 180: 118-122; doi: 10.1016/j.cognition.2018.07.009.

Grootswagers T, **Cichy RM**, Carlson T (2018) *Finding decodable information that is read out in behaviour*. Neuroimage 179: 252-262; doi: 10.1016/j.neuroimage.2018.06.022.

Chen Y, **Cichy RM**, Stennat W, Haynes JD (2018) *Scale-specific analysis of fMRI data on the irregular cortical surface*. Neuroimage 181: 370-381; doi: 10.1016/j.neuroimage.2018.07.002.

Pantazis D, Fang M, Qin S, Mohsenzadeh Y, Li Q, **Cichy RM** (2018) *Decoding the orientation of contrast edges from MEG evoked and induced responses*. Neuroimage 180:267-279; doi: 10.1016/j.neuroimage.2017.07.022.

Hebart MN, Bankson BB, Harel A, Baker CI*, **Cichy RM*** (2018) *Representational dynamics of task context and its influence on visual object processing*. eLife 2018; 7:e32816, doi: 10.7554/eLife.32816.

Kaiser D, **Cichy RM** (2018) *Typical visual-field locations enhance processing in object-selective channels of human occipital cortex*. J Neurophys 120: 848-853; doi: 10.1152/jn.00229.2018.

Kaiser D, Moeskops MM, **Cichy RM** (2018) *Typical retinotopic locations impact the time course of object coding*. Neuroimage 176: 372-379; doi: 10.1016/j.neuroimage.2018.05.006.

Guggenmos M, Sterzer P, **Cichy RM** (2018) *Multivariate pattern analysis for MEG: a comparison of dissimilarity measures*. Neuroimage 173: 434-447; doi: 10.1016/j.neuroimage.2018.02.044.

Mohsenzadeh Y, Qin S, **Cichy RM**, Pantazis D (2018) *Ultra-Rapid serial visual presentation reveals dynamics of feedforward and feedback processes in the ventral visual pathway*. eLife 2018;7:e36329; doi: 10.7554/eLife.36329.

2017

Cichy RM, Pantazis D (2017) *Multivariate pattern analysis of MEG and EEG: a comparison of representational structure in time and space*. Neuroimage 158: 441-454; doi: 10.1016/j.neuroimage.2017.07.023.

Cichy RM, Teng S (2017) *Resolving the neural dynamics of visual and auditory scene processing in the human brain: a methodological approach*. Phil Trans R Soc B 372 (1714): 20160108; doi: 10.1098/rstb.2016.0108.

Cichy RM, Khosla A, Pantazis D, Oliva A (2017) *Dynamics of scene representations in the human brain revealed by magnetoencephalography and deep neural networks*. Neuroimage 153: 346-358 doi:10.1016/j.neuroimage.2016.03.063.

2016

Cichy, RM, Pantazis D, Oliva A (2016) *Similarity-based fusion of MEG and fMRI reveals spatio-temporal information flow in visual object recognition*. Cereb Cortex 26(8): 3563-3579; doi: 10.1093/cercor/bhw135.

Cichy RM, Khosla A, Pantazis D, Torralba A, Oliva A (2016) *Comparison of deep neural networks to spatio-temporal cortical dynamics of human visual object recognition reveals hierarchical correspondence*. Sci Reports 10(6): 27755, doi: 10.1038/srep27755.

Cichy RM, Ramirez F, Pantazis D (2016) *Can visual information encoded in cortical columns be decoded from magnetoencephalography data in humans?* Neuroimage 121: 193-204; doi:10.1016/j.neuroimage.2015.07.011.

2015

Guggenmos M, Thoma V, Haynes JD, Richardson-Klavehn A, **Cichy RM***, Sterzer P* (2015) *Spatial attention enhances object coding in local and distributed representations of lateral occipital complex*. Neuroimage 111: 149-157; doi:10.1016/j.neuroimage.2015.04.004.

Guggenmos M, Thoma V, **Cichy RM**, Haynes, JD, Sterzer P, Richardson-Klavehn R (2015) *Non-holistic coding of objects in lateral occipital complex with and without attention*. Neuroimage 107: 356-363; doi: 10.1016/j.neuroimage.2014.12.013.

Christophel TB, **Cichy RM**, Hebart MN, Haynes JD (2015) *Parietal and early visual cortices encodes working memory across mental transformations*. Neuroimage 106: 198-206, doi: 10.1016/j.neuroimage.2014.11.018.

2014

Ramirez F, **Cichy RM**, Allefeld C, Haynes JD (2014) *The neural code for face orientation in the human fusiform face area*. J Neurosci, 34(36): 12155-12167; doi: 10.1523/JNEUROSCI.3156-13.2014.

Cichy RM, Pantazis D, Oliva A (2014) *Resolving human object recognition in space and time*. Nat Neurosci 17(3): 455-462; doi: 10.1038/NN.3635.

2013 and before

Cichy RM, Sterzer P, Heinzle J, Haynes JD (2013) *Probing principles of large-scale object representation: category preference and location encoding*. Hum Brain Mapp 34(7):1636-1651; doi: 10.1002/hbm.22020.

Cichy RM, Heinzle J, Haynes JD (2012) *Imagery and perception share cortical representations of content and location*. Cereb Cortex 22(2): 372-380; doi: 10.1093/cercor/bhr106.

Cichy RM, Chen Y, Haynes, JD (2011) *Encoding the identity and location of objects in human LOC*. Neuroimage 54(3): 2297-307; doi: 10.1016/j.neuroimage.2010.09.044.

Schmidt S, **Cichy RM**, Kraft A, Brocke J, Irlbacher K, Brandt SA (2009) *An initial transient-state and reliable measure of corticospinal excitability in TMS studies*. Clin Neurophysiol; 120(5): 987-993; doi: 10.1016/j.clinph.2009.02.164.

Brocke J, Schmidt S, Irlbacher K, **Cichy RM**, Brandt SA (2008) *Transcranial cortex stimulation and fMRI: electrophysiological correlates of dual-pulse BOLD signal modulation*. Neuroimage 40(2): 631-43; doi: 10.1016/j.neuroimage.2007.11.057.

* shared last authorship

DATASETS

Cichy, RM, Bagherzadeh Y, Chang, YT, Pantazis D (2018). MEGEEG92 Objects Dataset. <https://doi.org/10.6084/m9.figshare.c.4182587.v1>.

CHAPTERS AND REVIEWS

Cichy RM (2016) *Review of ,Handbuch Kognitionswissenschaft; Achim Stephan, Sven Walter (Eds.)'*. Phen Cogn Sci 15:461; doi:10.1007/s11097-015-9431-1.

Heinzle, J, Anders, S, Bode, S, Bogler, C, Chen, Y, **Cichy, RM**, Hackmack, K, Kahnt, T, Kalberlah, C, Reverberi, C, Soon, SC, Tusche, A, Weygandt, M & Haynes, JD (2012) *Multivariate decoding of fMRI data – towards a content-based cognitive neuroscience*. Neuroforum, 1, 160-177.

Cichy RM (2007) *Transkranielle Hirnstimulation – Kausalität zwischen Gehirn und Geist*. Nervenheilkunde. Nervenheilkunde 26 (12): 1148-1151.

Cichy RM, Fischer L, Rettenbacher S, Tsouni G (2007) *Klosterwelten- Welt und Kloster*. Projekt Junges Europa, Hannover: Wehrhahn Verlag.

Cichy RM (2005) *The Dennettian Concept of Intentionality: Past and Present*. Publications of the Institute of Cognitive Science. Volume 8-2005, Osnabrück.

INVITED TALKS

- 07 / 2020 Vrije Universiteit Amsterdam, Amsterdam, Netherlands
- 04 / 2020 Department of Psychology, University of Regensburg, Germany
- 12 / 2019 COBHAM Seminar Series, University of Bielefeld, Germany
- 11 / 2019 Montreal AI and Neuroscience Meeting (MAIN), University of Montreal, Montreal, Canada
- 10 / 2019 Deep Learning Autumn School, Graduate School of Experimental Psychology, University of Amsterdam, NL
- 04 / 2019 MEG UK 2019 Conference, Cardiff University, UK
- 03 / 2019 IICSSS (International Interdisciplinary Computational Cognitive Science Spring School) 2019, Freiburg, Germany
- 01 / 2019 Otto Creutzfeld Center for Cognitive and Behavioral Neuroscience, Westfälische Wilhelms-Universität Münster, Germany
- 12 / 2018 Department of Psychology, Ludwig-Maximilians-University (LMU), Munich, Germany
- 11 / 2018 Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
- 09 / 2018 University of Leipzig, Leipzig, Germany
- 09 / 2018 Bernstein Workshop 2018 on Representational Dynamics, Berlin, Germany
- 07 / 2018 Salzburg Mind Brain Annual Meeting (SAMBA), Salzburg, Austria
- 06 / 2018 Bernstein Center for Computational Neuroscience, Freiburg, Germany
- 06 / 2018 International Graduate School of Neuroscience, Ruhr University Bochum, Germany
- 05 / 2018 Nordic MEG conference, Stockholm, Sweden
- 04 / 2018 ESI (Ernst Sprüngmann Institut), Frankfurt, Germany
- 03 / 2018 MBB Symposium (Brain Awareness Week), Berlin School of Mind and Brain, Berlin, Germany
- 03 / 2018 CiNet (Center for Information and Neural Networks), Osaka, Japan
- 02 / 2018 2nd Human Brain Project Student Meeting, Ljubljana, Slovenia
- 10 / 2017 Berlin School of Mind and Brain, Berlin, Germany
- 04 / 2017 Center for Minds, Brains and Metabolism, University of Lübeck, Germany
- 01 / 2017 Department of Clinical Neuroscience, Karolinska Institute, Stockholm, Sweden
- 01 / 2017 Vision Science Colloquium, University of Bielefeld, Germany
- 11 / 2016 Neurocog Meeting, KU Leuven, Leuven, Belgium
- 10 / 2016 Department of Neuroscience and Biomedical Engineering, Aalto University, Finland
- 10 / 2016 Center for Integrative Neuroscience, Tübingen, Germany
- 07 / 2016 Department of Psychology, University of Gießen, Germany
- 06 / 2016 International Workshop for Pattern Recognition and in Neuroimaging (PRNI 2016), Trento, Italy
- 05 / 2016 Department of Medicine, Otto-von-Guericke-University Magdeburg, Germany
- 04 / 2016 Institute of Cognitive Science, Darmstadt, Germany

03 / 2016 Donders Institute, Nijmegen, Netherlands
03 / 2016 Brain Awareness Week, University of Lublin, Poland
01 / 2016 Department of Psychology, University of Amsterdam, Netherlands
12 / 2015 Department of Psychiatry, Charité University Medicine, Berlin, Germany
11 / 2015 Google DeepMind, London, UK
08 / 2015 Department of Neurology, University of Lübeck, Germany
03 / 2015 Institute of Neuroscience and Psychology, University of Glasgow, UK
11 / 2014 Department of Psychology, University of Glasgow, UK
08 / 2014 Institute for Neuroscience, UKE, Hamburg, Germany
05 / 2014 Feindel Brain Imaging Lecture Series, McGill University, Montreal, Canada
05 / 2014 OHBA Research Meeting, University of Oxford, UK
04 / 2014 Bernstein Center for Computational Neuroscience, Berlin, Germany
03 / 2014 MRC-CBU, University of Cambridge, UK
02 / 2014 Department of Brain and Cognitive Sciences (Saxe), MIT, USA
02 / 2014 Laboratory of Brain and Cognition Seminar, NIH, USA
11 / 2013 Department of Brain and Cognitive Sciences (Kanwisher), MIT, USA
06 / 2012 Visual Attention Lab Seminar, Harvard University, USA
04 / 2012 McGovern Institute for Brain Research, MIT, USA
05 / 2011 Center for Mind-Brain Sciences, Rovereto, Italy
04 / 2011 Department of Brain and Cognitive Sciences, MIT, USA
03 / 2011 Brain Days, University of Lublin, Poland
02 / 2011 International Seminar of the School of Cognitive Science, Institute for Mathematics and Physics, Tehran, Iran
09 / 2010 Colloquium of the Institute of Cognitive Science, Osnabrück, Germany

ACTIVITIES

07 / 2019 Workshop and challenge co-organizer at MIT: *Algonauts: A brain odyssey (Challenge 2019: The visual brain)*
03 / 2018 Symposium organizer at CNS (Annual Meeting of the Cognitive Neuroscience Society): *Understanding human visual cognition through multivariate and computational analysis of MEG and EEG data*
08 / 2017 Symposium co-organizer at ECVP (European Conference of Visual Perception): *Resolving the temporal dynamics of human visual cognition using multivariate analysis of EEG and MEG*
08 / 2016 Symposium co-organizer at ECCV (European Conference for Computer Vision): *Biological and Artificial Vision*
06 / 2016 Member of Organizing Committee for PRNI (International Workshop for Pattern Recognition and in Neuroimaging), Trento, Italy
03 / 2016 Symposium organizer at the Annual Meeting of the Visual Science Society (VSS): *What do deep neural networks tell us about biological vision?*

AD-HOC REVIEWING

Journals	APP (Attention, Perception & Psychophysics), Brain Structure & Function, Brain Topography, Cerebral Cortex, Cognition, Cognitive Neurodynamics, Cognitive Affective and Behavioral Neuroscience, Cognitive Processing, Cognitive Science, Current Directions in Psychological Science, eLife, Entropy, European Journal of Neuroscience, Frontiers, Human Brain Mapping, Interface Focus, International Journal of Computer Vision, Journal of Neurophysiology, Journal of Neuroscience, Journal of Neuroscience Methods, Magnetic Resonance in Medicine, Nature Communications, Nature Human Behavior, Nature Neuroscience, Neural Networks, Neuroimage, Neuropsychologia, PLOS Computational Biology, Psychological Science, Proceedings of the National Academy of Sciences U S A, Proceedings of the Royal Society B
Conferences	NIPS, PRNI, ECCV, ECVP, ICCV, CCN
Graduate Programs	Berlin School of Mind&Brain, Einstein Center for Neuroscience
Grant Agencies	ANR (Agence Nationale de la Recherche) A*STAR (Agency for Science, Technology & Research Singapore) Alexander von Humboldt Foundation Czech Ministry of Health DFG (German Research Foundation), ERC (European Research Council) ETAg (Estonian Research Council) FWO (Research-foundation – Flanders) MRC (Medical Research Council) NSERC (Natural Sciences and Engineering Research Council of Canada) NSF (National Science Foundation) NWO (Dutch Research Council)
Editorship	Associate Guest Editor for PLOS Computational Biology

TEACHING

2019 07 / 2018	<i>Cognitive Neuroscience BII</i> (FUB), seminar: Instructor <i>Introduction to EEG and MEG: theory, acquisition and analysis</i> (Royan Institute, Tehran, Iran), 2-day course in summer school: Instructor
02 / 2018	<i>Introduction to multivariate pattern analysis on MEG data</i> (University of Stockholm), 1-day PhD course lecture & tutorial: Instructor
2014	<i>Neurotechnology in action</i> (MIT): Guest Lecturer
2013 – 2015	<i>A look into the human brain</i> (MIT): Guest Lecturer

CONFERENCE ABSTRACTS & TALK/POSTER PRESENTATIONS

Submitted

Arana S, Schoffelen JM, Cichy RM, Hagoort P, Rabovsky M (submitted). Multilevel representations of semantics. Submitted to the Annual Meeting of the Society of the Neuroscience of Language (SNL), virtual.

2020

Iamshchinina P, Kaiser D, Yakupov R, Haenelt D, Sciarra A, Mattern H, Duezel E, Speck O, Weiskopf N, **Cichy RM** (2020) *Perceived and mentally rotated contents are differentially represented in cortical layers of V1*. Talk presented at the Visual Working Memory Symposium 01.06.2020, online.

Dwivedi K, Balode MP, Gifford A, Roig G, **Cichy RM** (2020) *Neural dynamics of indoor scene navigation using low, mid-level computational vision and behavioral models*. To be presented at the Annual Meeting of the Vision Science (V-VSS).

Iamshchinina P, Kaiser D, Yakupov R, Haenelt D, Mattern H, Duezel E, Speck O, Weiskopf N, **Cichy RM** (2020) *Perceived and mentally rotated contents are differentially represented in cortical layers of V1*. To be presented at the OHBM Annual Meeting, virtual.

Kaiser D, Haeberle G, **Cichy RM** (2020) *Real-world structure facilitates cortical scene analysis*. To be presented at the Annual Meeting of the Vision Science (V-VSS).

Iamshchinina P, Kaiser D, Yakupov R, Haenelt D, Mattern H, Duezel E, Speck O, Weiskopf N, **Cichy RM** (2020) *Perceived and mentally rotated contents are differentially represented in cortical layers of V1*. To be presented at the Annual Meeting of the Vision Science (V-VSS).

Moeskops M, Koester M, Kayhan E, Kliesch C, Hoehl S, **Cichy RM** (2020) *The Time Course of Object Processing in the Infant Brain*. To be presented at ICIS 2020, Glasgow, UK.

Bayet L, Zinszer B, Cataldo J, Reilly E, **Cichy RM**, Nelson CA, Aslin RA (2020) *Time-Course and Properties of Higher-Order Visual Representations in the Infant Brain*. To be presented at ICIS 2020, Glasgow, UK.

2019

Cichy RM, Roig G, Andonian A, Dwivedi K, Lahner B, Lascelles A, Mohsenzadeh Y, Ramakrishnan K, Oliva A (2019) *The Algonauts Project: A Platform for Communication between the Sciences of Biological and Artificial Intelligence*. Poster presented at CCN 2019, Berlin, Germany.

Mohr H, **Cichy RM**, Ruge H (2019) *Deep neural networks can predict human behavior in arcade games*. Poster presented at CCN 2019, Berlin, Germany.

Iamshchinina P, Karapetian A, Kaiser D, **Cichy RM** (2019) *Neural dynamics of categorical information in visual and auditory signals*. Poster presented at ECVF 2019, Leuven, Belgium.

Graumann M, Ciuffi C, **Cichy RM** (2019) *Object Location Representations in the Human Ventral Stream Depend on Scene Clutter and Attention*. Talk presented at ECVF 2019, Leuven, Belgium.

Ambrus GG, Kaiser D, **Cichy RM**, Kovács G (2019) *The neural dynamics of familiar face recognition*. Poster presented at Tagung Experimentell Arbeitender Psychologien (TEAP), London, UK.

Xie S, Kaiser D, Iamshchinina P, **Cichy RM** (2019) *Low-frequency oscillations track the contents of visual perception and mental imagery*. Talk presented at the Annual Meeting of the Vision Science (VSS), St. Pete Beach, FL, USA.

Kaiser D, Turini J, **Cichy RM** (2019) *Spatial schemata determine cortical representations of the environment*. Talk presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Graumann M, Ciuffi C, **Cichy RM** (2019) *Scene Clutter and Attention Differentially Affect Object Category and Location Representations*. Talk presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Lahner B, Mohsenyadeh Y, Mullin C, **Cichy RM**, Oliva A (2019) *Assessing Reproducibility of MEG and fMRI Data Fusion Method in Neural Dynamics of Object Vision*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

2018

Graumann M, Ciuffi C, **Cichy RM** (2018) *The time course of object location information in the human brain depends on clutter*. Talk to be presented at the Annual Meeting of the Society for Neuroscience, Washington, DC, USA.

Graumann M, Ciuffi K, **Cichy RM** (2018) *The Time Courses of Object Category and Location Representations in the Human Brain Depend on Clutter*. Talk presented at the Salzburg Mina and Brain Annual Meeting (SAMBA), Salzburg, Austria.

Kietzmann TC, Spoerer CJ, Sørensen L, Hauk O, **Cichy RM**, Kriegeskorte N (2018) *Representational dynamics in the human ventral stream captured in deep recurrent neural nets*. Poster presented at the Annual Conference on Cognitive Computational Neuroscience (CCN), Pennsylvania, PA, USA.

Teng S, Sommer V, **Cichy RM**, Pantazis D, Oliva A (2018) *Auditory letter-name processing elicits dissociable crossmodal representations in blind and sighted listeners*. Poster presented at the Annual Conference on Cognitive Computational Neuroscience (CCN), Pennsylvania, PA, USA.

Jozwik K, Kriegeskorte N, **Cichy RM**, Mur M (2018) *Comparison of Oracle Feature and Category Models with Deep Convolutional Neuronal Network in Explaining Monkey and Human Object Representations in Visual Cortex*. Poster presented at the Annual Conference on Cognitive Computational Neuroscience (CCN), Pennsylvania, PA, USA.

Bayet L, Zinszer B, Catald J, Reilly E, **Cichy RM**, Balas B, Nelson CA, Aslin RN. *Probing the Time-Course and Properties of Higher-Order Visual Representations in the Developing Brain with Multivariate EEG Decoding*. Talk presented at the International Congress of Infant Studies (XXI ICIS), Pennsylvania, PA, USA.

Hensler T, Kaiser D, **Cichy RM**, Lindqvist D (2018) *The influence of observational fear learning on neural responses to visual stimuli*. Poster presented at MEG Nord Conference, Stockholm, Sweden.

Turini J, Kaiser D, **Cichy RM** (2018) *Implicit coding of positional structure in natural scenes revealed by EEG decoding*. Poster presented at CAOS, Cimec, Rovereto, Italy.

Q Sheng, Fang M, Qin S, Mohsenzadeh Li Y, **Cichy RM** (2018) *Decoding the orientation of contrast edges from MEG evoked and induced responses*. Talk presented at BIOMAG 2018, Philadelphia, PA, USA.

Teng S, **Cichy RM**, Pantazis D, Oliva A (2018) *Comparing dynamics of processing streams in blind and sighted readers*. Talk presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS), Boston, MA, USA.

Pantazis D, **Cichy RM** (2018) *Unique aspects of human object processing revealed by MEG and EEG*. Talk presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS), Boston, MA, USA.

Kaiser D, Moeskops MM, **Cichy RM** (2018) *Typical real-world locations facilitate object processing*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Graumann M, Ciuffi C, **Cichy RM** (2018) *The Time Courses of Object Category and Location Representations in the Human Brain Depend on Clutter*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Teng S, **Cichy RM**, Pantazis D, Oliva A (2018) *Tracking tactile braille brain responses in space and time*. Talk presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Bayet L, Zinszer B, Cataldo J, Reilly E, **Cichy RM**, Balas B, Nelson CA, Aslin RA (2018) *Probing the Time-Course and Properties of Higher-Order Visual Representations in the Developing Brain with Multivariate EEG Decoding*. Talk presented at the International Congress of Infant Studies (ICIS), Philadelphia, PA, USA.

2017

Kaiser D, Moeskops M, **Cichy RM** (2017) *Typical real-world locations impact object coding across the visual field*. Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, DC, USA.

Pantazis D, **Cichy RM** (2017) *Does MEG capture neuronal information better than EEG? Lessons from multivariate pattern analysis of human object representations*. Poster presented at the NIH-MEG North-America workshop, Bethesda, MD, USA.

Bayet L, Pruitt Z, **Cichy RM**, Nelson CA, Aslin RN (2017) *Dynamics of Audiovisual Representations in the Adult Brain Using a Child-Friendly Stimulus Set*. Poster presented at the Annual Conference on Cognitive Computational Neuroscience (CCN), New York, NY, USA.

Reddy L, **Cichy RM**, VanRullen R (2017) *Using DNNs as a yardstick for estimating the representational value of oscillatory brain signals*. Poster presented at the Annual Conference on Cognitive Computational Neuroscience (CCN), New York, NY, USA.

Jozwik K, Charest I, Kriegeskorte N, **Cichy RM** (2017) *Animacy Dimensions, Ratings and Approach for Decorrelating Stimulus Dimensions*. Poster presented at the Annual Conference on Cognitive Computational Neuroscience (CCN), New York, NY, USA.

Jozwik K, **Cichy RM** (2017) *Modeling visual brain responses by image and word similarity judgments: combining fMRI, MEG and deep neural networks*. Poster presented at ECVP 2017, Berlin, Germany.

Moeskops M, Kaiser D, **Cichy RM** (2017) *Typical real-world locations impact object coding across the visual field*. Poster presented at ECVP 2017, Berlin, Germany.

Reddy L, **Cichy RM**, van Rullen R (2017) *Oscillatory signatures of object recognition across cortical space and time*. Talk presented at ECVP 2017, Berlin, Germany.

Hebart MN, Bankson B, Harel A, Baker CI, **Cichy RM** (2017) *The spatiotemporal pattern of task and object processing*. Talk presented at ECVP 2017, Berlin, Germany.

Gugenmos M, **Cichy RM** (2017) *Choosing the dissimilarity measure for RSA in MEEG research*. Talk presented at ECVP 2017, Berlin, Germany.

Sörensen LKA, Kietzmann TC, **Cichy RM**, Hauk O & Kriegeskorte, N (2017) *What can source-reconstructed MEG data tell us about representational dynamics during object perception?* Poster to be presented at *cuttingEEG 2017, Glasgow*.

Pantazis D, Mohsenzadeh Y, **Cichy RM**, Oliva A (2017) *Feedforward and Feedback Neural Processing Revealed with MEG-fMRI Fusion*. Poster presented at the Annual Conference on Cognitive Computational Neuroscience (CCN), New York, NY, USA.

Khaligh-Razavi SM, **Cichy RM**, Pantazis D, Oliva A (2017) *Tracking the spatiotemporal neural dynamics of object properties in the human brain*. Poster presented at the Annual Conference on Cognitive Computational Neuroscience (CCN), New York, NY, USA.

Sörensen LKA, Kietzmann TC, **Cichy RM**, Hauk O & Kriegeskorte, N (2017) *Representational dynamics of object processing in source-reconstructed MEG data*. Poster presented at ICON 2017, Amsterdam, NL.

Mohsenzadeh Y, **Cichy RM**, Oliva A, Pantazis D (2017) *Similarity-based fusion of MEG and fMRI discerns early feedforward and feedback processing in the ventral stream*. Talk presented at the MODVIS satellite workshop of the VSS, St. Pete Beach, FL, USA.

Pelekanos V, Joly O, Mok R, Ainsworth M, Cichy RM, Kyriazis D, Kelly MG, Bell AH, Kriegeskorte N (2017) *Categorical selectivity in the visual pathway revealed by fMRI in awake macaques*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Reddy L, **Cichy RM**, VanRullen R (2017) *Oscillatory signatures of object recognition across cortical space and time*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Hebart MN, Bankson BB, Harel A, Baker CI, **Cichy RM** (2017) *MEG decoding reveals the representational dynamics of task context in visual processing*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Santani T, **Cichy RM**, Pantazis D, Oliva A (2017) *Spatiotemporal dynamics of braille letter perception in blind readers*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Cichy RM, Kriegeskorte N, van den Bosch JJF, Jozwik K, Charest I (2017) *Characterizing the spatio-temporal dynamics of behavior-related neural activity during human visual object perception*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Khaligh-Razavi SM, **Cichy RM**, Pantazis D, Oliva A (2017) *Combining human MEG and fMRI data reveals the spatio-temporal dynamics of animacy and real-world object size*. Talk presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Pantazis D, **Cichy RM** (2017) *Multivariate pattern analysis of MEG and EEG reveals the dynamics of human object processing*. Poster presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Bayet L, Cataldo J, Reilly E, **Cichy RM**, Nelson III CA, Aslin RN (2017) *Time-Resolved Classification of EEG Data: Probing the Time-Course of Higher-Order Visual Representations in the Infant Brain*. Poster presented at the Biannual Meeting of the Society for Research in Child Development (SRCD) in Texas, TX, USA.

Khaligh-Razavi SM, **Cichy RM**, Pantazis D, Oliva A (2017) *Content-dependent fusion: fusing MEG and fMRI data to understand spatio-temporal dynamics of animacy and object-size in humans*. Talk presented at the AAAI Symposium at Stanford University, CA, USA.

2016

Mohsenzadeh Y, Qin S, Li Q, **Cichy RM**, Pantazis D (2016) *Neural dynamics of feedforward processing in ventral stream using a rapid serial visual presentation task*. Poster presented at the NIH MEG-North America workshop, Bethesda, MD, USA.

Bayet L, Pruitt Z, Cataldo J, **Cichy RM**, Nelson III CA, Aslin RN (2016) *Time-resolved representation of words and pictures in the infant brain*. Poster presented at the 4th Annual Congress of FLUX: The society for developmental cognitive neuroscience. St Louis, MS, USA.

Chen J, Mohsenzadeh Y, Li J, Li Q, **Cichy RM**, Pantazis D (2016) *Temporal dynamics of face identity and eye gaze recognition revealed using pattern analysis of MEG signals*. Poster presented at BIOMAG 2016, Seoul, Korea.

Q Sheng, Fang M, Mohsenzadeh Y, Li Q, **Cichy RM**, Pantazis D (2016) Evoked and induced components of oriented contrast edges share a common representational structure. Poster presented at BIOMAG 2016, Seoul, Korea.

Cichy RM (2016) *A spatio-temporally resolved and algorithmically explicit account combining MEG with fMRI and neural networks*. Talk presented at the 20th International Conference on Biomagnetism, Seoul, Korea.

Pantazis D, Qin S, Mohsenzadeh Y, Li Q, **Cichy RM** (2016) *Neural representations in a rapid serial visual presentation task at 17ms per picture*. Talk presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, USA.

Hebart MN, **Cichy RM**, Baker CI (2016) *Decoding the temporal evolution of tasks and stimulus-related brain signals*. Talk presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, USA.

Grootswagers T, **Cichy RM**, Carlson TA (2016) *Predicting behavior from decoded searchlight representations shows where decodable information relates to behavior*. Talk presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, USA.

Jozwik KM, Kriegeskorte N, **Cichy RM**, Mur M (2016) *Representation of visual features and categories across space and time in human, monkey, and convolutional neural networks*. Talk presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, USA.

Teng S, Cichy RM, Pantayis D, Sommer V, Oliva A (2016) *Neurodynamics of visual and auditory scene size representations*. Talk presented at the Annual Meeting of the Vision Science Society St. Pete Beach, FL, USA.

Cichy RM, Khosla A, Pantazis D, Torralba A, Oliva A (2016) *Deep neural networks explain spatio-temporal dynamics of visual scene and object processing*. Talk presented at the Annual Meeting of the Vision Science Society St. Pete Beach, FL, USA.

Jozwik KM, Kriegeskorte N, **Cichy RM**, Mur M (2016) *Visual features versus categories: Explaining object representations in primate IT and deep neural networks with weighted representational modeling*. Poster presented at the Annual Meeting of the Vision Science Society St. Pete Beach, FL, USA.

Jozwik KM, Kriegeskorte N, **Cichy RM**, Mur M (2016) *Visual features versus categories: Explaining object representations in primate IT and deep neural networks with weighted representational modeling*. Talk presented at CAOS, Rovereto, Italy.

2015

Fang M, Li J, Li Q, **Cichy RM**, Pantazis D (2015) *Decoding orientation of contrast edges from evoked and induced oscillatory brain activity*. Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL, USA.

Li J, Fang M, Li Q, **Cichy RM**, Pantazis D (2015) *Neural signatures of eye gaze and face identity representations in MEG data*. Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL, USA.

Teng S, **Cichy RM**, Pantazis D, Sommer V, Oliva A (2015) *The neural dynamics of letter perception in blind and sighted readers*. Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL, USA.

Oliva A, Khosla A, Pantazis D, Torralba A, **Cichy RM** (2015) *Deep neural networks models predict spatio-temporal cortical dynamics of visual object recognition*. Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL, USA.

Cichy RM, Khosla A, Pantazis D, Oliva A (2015) *Neural dynamics in the cortical representation of scene size*. Talk presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL, USA.

Cichy RM, Pantazis D (2015) *Decoding orientation of visual stimuli from human magnetoencephalography data*. Poster presented at the Annual Meeting of the Organization of Human Brain Mapping, Honolulu, HI, USA.

Teng S, **Cichy RM**, Pantazis D, Oliva A (2015) *Common and disparate neural mechanisms of letter perception in blind and sighted readers*. Poster presented at the Annual Meeting of the Organization of Human Brain Mapping, Honolulu, HI, USA.

Cichy RM, Khosla A, Pantazis D, Torralba A, Oliva A (2015) *Mapping human visual representations in space and time by convolutional neural networks*. *J Vis* 15(12):376, doi: 10.1167/15.12.376.

Teng S, **Cichy RM**, Pantazis D, Oliva A (2015) *The neural dynamics of letter perception in blind and sighted readers*. *J Vis* 15(12):126, doi: 10.1167/15.12.126

Khaligh- Razavi SM, Carlin J, **Cichy RM**, Kriegeskorte N (2015) *The effects of recurrent dynamics on ventral-stream representational geometry*. *J Vis* 15(12):1089, doi: 10.1167/15.12.1089

Cichy RM, Khosla A, Pantazis D, Torralba A, Oliva A (2015) *Human visual representations are predicted in space and time by convolutional neural networks*. Talk presented at Cosyne 2015, Salt Lake City, UT, USA.

2014

Cichy RM, Khosla A, Pantazis D, Torralba A, Oliva A (2014) *Convolutional neural networks predict the representational geometry embodied in the human visual processing hierarchy*. *Proc Soc Neurosci Abstr* 822.16.

Cichy RM, Pantazis D (2014) *Resolving human object recognition in space and time*. Presented at the Population Coding Workshop, Dartmouth University, Hanover, NH, USA.

Cichy RM, Pantazis D, Oliva A (2014) *Expanding the limits of imaging technologies: a combined MEG and fMRI investigation of human object representations*. Poster presented at the Biomag Biannual Meeting, Halifax, Canada.

Cichy RM, Pantazis D, Oliva A (2014) *Resolving human object recognition in space and time*. Talk given at the OHBM Annual Meeting, Hamburg, Germany.

Cichy RM, Pantazis D (2014) *Decoding orientation of visual stimuli from human magnetoencephalography data*. Poster presented at the Annual Meeting of the Vision Science Society St. Pete Beach, FL, USA.

2013

Cichy RM, Pantazis D, Oliva A (2013) *Tracking temporal and spatial dynamics of visual object recognition with combined MEG and fMRI*. Perception 42 ECVF Abstract Supplement, p. 162.

Marquardt G, **Cichy RM**, Cross ES, deSouse AA, Farne A, Leszczynski M, Patterson M, Quadflieg S (2014) *Glass in Architecture: Symbol of Modernity but not yet understood?* Poster presented at the 45th Annual Conference of the Environmental Design Research Association, New Orleans, MS, USA.

Guggenmos M, **Cichy RM**, Richardson-Klavehn A, Haynes JF, Sterzer P, Thoma V (2013) *Neural correlates of object representations in dependence of object format and attention*. Perception (42) ECVF Abstract Supplement, p. 62.

Cichy RM, Pantazis D, Oliva A (2013) *Resolving human object recognition in space and time: a combined MEG-fMRI study*. Proc Soc Neurosci Abstr 640.18.

Pantazis D, Chang YT, **Cichy RM** (2013) *Audiovisual integration modulates the amplitude of MEG time series in the primary auditory cortex*. Presented at the 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, China. 3948.

2012

Christophel T, **Cichy RM**, Hebart MN, Haynes JD (2012) *The visual working memory in action: Neural coding of visual representations in working memory across rotational transformations*. Proc Soc Neurosci Abstr 628.04.

Cichy RM, Sterzer P, Oliva A (2012) *Encoding of alternating perception of an ambiguous figure in the human brain*. Proc Soc Neurosci Abstr 261.14.

Cichy RM, Bode S, Sterzer P, Haynes JD (2012) *Object recognition under little or no visibility*. J Vis 12(9): 522.

Ramirez F, **Cichy RM**, Allefeld C, Haynes JD (2012) *Translation-tolerant and category-selective encoding of orientation in the fusiform face area*. J Vis 12(9):1180.

2011

Momennejad I, **Cichy RM**, Haynes JD (2011) *General and delay-specific encoding of future intentions in the human brain*. Proc Soc Neurosci Abstr 855.07.

Ramirez F, **Cichy RM**, Allefeld C, Haynes JD (2011) *Category selective encoding of orientation in the fusiform face area*. Presented at the “Berlin Brain Days”, Berlin, Germany.

Cichy RM, Heinzle J, Haynes JD (2011) *Imagery and perception share cortical representations of content and location*. Proc Soc Neurosci Abstr 125.08.

2010 and before

Cichy RM, Heinzle J, Elliott L, Haynes JD (2010) *Imagery and Perception of objects share cortical representations*. Perception (39), Supplement, p. 15.

Cichy RM, Haynes JD (2009) *Decoding the what and where of object exemplars and categories*. Presented at the “Berlin Brain Days”, Dec 9-12 2009, Berlin, Germany.

Ramirez F, **Cichy RM**, Haynes JD (2009) *Orientation-encoding in the FFA is selective to faces: Evidence from multivoxel pattern analysis*. J Vis 10(7): 669.

Cichy RM, Haynes JD (2009) *Decoding the what and where of object exemplars and categories across the hemifields*. Proc Soc Neurosci Abstr 802.11.

Schmidt S, Brocke J, Irlbacher K, **Cichy RM**, Brandt SA (2006) *Functional Connectivity of the Motor System defined by Transcranial Electric Stimulation (TES)* Klin Neurophysiol 118(4): e93.

Frehe P, **Cichy RM**, Wolf, T, Dombrowe I, Goldbach M, Normann N, Wittenberg C, Stoessel C, Sinke C, Herzog M (2003) *Localizing Collinear Suppression*. Proceedings of EuroCogSci (03): 385.

SCIENTIFIC REFERENCES

Aude Oliva

Principal Research Scientist
Massachusetts Institute of Technology
Computer Science and Artificial Intelligence Laboratory
32-D432
Cambridge, MA 02139, USA
oliva@mit.edu

John Dylan Haynes

Professor for Theory and Analysis of Large-Scale Brain Signals
Charité - Universitätsmedizin Berlin
Bernstein Center for Computational Neuroscience
Philippstrasse 13, Haus 6
10117 Berlin, Germany
haynes@bccn-berlin.de

Nikolaus Kriegeskorte

Programme Leader, Memory and Perception Group
Medical Research Council – Cognition and Brain Sciences Unit
University of Cambridge
15 Chaucer Road, Cambridge, CB2 7EF
UK
+44 7 540 356 478
nikolaus.kriegeskorte@mrc-cbu.cam.ac.uk

Dimitrios Pantazis

Director of the MEG Laboratory
Massachusetts Institute of Technology
McGovern Institute for Brain and Cognitive Science
46-5147
Cambridge, MA 02139, USA
+1 617-324-6292
pantazis@mit.edu

Chris Baker

Principal Investigator, Unit of learning and plasticity
Laboratory of Brain and Cognition
National Institute of Mental Health
Magnuson Clinical Center, Room 3N228, MSC 1240
Bethesda, MD 20814, USA
+1 301 435 6058
bakerchris@mail.nih.gov