Curriculum Vitae

Radoslaw Martin Cichy, Dr. rer. nat.
Research Group Leader
Freie Universität Berlin
Department of Education and Psychology

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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

2020 – now	**Center for Cognitive Neuroscience Berlin** Managing Director
2020 – now	**Freie Universität Berlin, Germany** Professor for Neurocognitive and Experimental Psychology
2018 – now	**Berlin School of Mind and Brain** Faculty Member
2016 – 2020	**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	*Localizing individual steps of stimulus-response transformations in the human brain with highly parameterized models* (DFG, MO 3610/2-1, PI Holger Mohr, Co-applicant, 350k€)
2019	*Tracking the Flow of Perceptual Information Through Decision Networks* (ARC, GA68526, Co-PI with Profs. Thomas Carlson, Mac Shine (U Sydney) & Mark Coutanche (U Pittsburgh), ~480k AU$)
2018	*Neural mechanisms of real-life categorical decisions* (DFG, CI 241/1-3, PI, Co-PI Prof. Klaus Obermayer, 370k€)
2018	*Cracking the neural code of human object vision (CRACK*) (ERC Starting Grant ERC-2018-StG 803370 (PI, 1.5M€)
2018	*Objects in Scenes – How scene structure shapes visual object representations* (DFG, PI Dr. Daniel Kaiser, Co-applicant, 272k€)
2018	*High-Performance Computing Cluster and Storage System* at FU Berlin (INST 130/1063-1 FUGG, Co-applicant, 1/25th of 3M€)
2016 – 2021	*Neural dynamics of visual cognition*, Emmy Noether Award of the DFG (CI 241/1-1, PI, 1.2M€)
2016	NVIDIA academic hardware donation
2015 – 2017	*Developmental mechanisms of perception and language in the infant brain* (NSF, BCS-1514351, Advisor)
2012 – 2015	*Glass in Contemporary Architecture: Perception, Action, and Social Behaviour* (European Platform for Life Sciences, Mind Sciences, and the Humanities; Volkswagen Foundation, 85-640, Co-PI)

COMMITTEE WORK

2020 – now	Scientific Advisory Board of the Cogitate Project (member)
2018 – now	Excellence Council of the Freie Universität Berlin (member)

2016 – now Ethics Committee of the Department of Education and Psychology (member)

PREPRINTS

Kaiser D, Haeberle G, **Cichy RM** (2020) *Coherent natural scene structure facilitates the extraction of task-relevant object information in visual cortex. bioRxiv; doi:* 10.1101/2020.12.01.406959.

Dwivedi K, Bonner MF, Cichy RM, **Roig G** (2020) *Unveiling functions of the visual cortex using task-specific deep neural networks*. bioRxiv; doi: 10.1101/2020.11.27.401380.

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 (in press) *Temporal dynamics of visual representations in the infant brain*. Devel Cogn Neurosci; doi: 10.1016/j.dcn.2020.100860.

Kaiser D, Inciuraite 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

Cichy RM, Oliva A (2020) *A M/EEG-fMRI Fusion Primer: Resolving Human Brain Responses in Space and Time*. Neuron 1-7(5): 772-281; doi: 10.1016/j.neuron.2020.07.001.

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.

Dwivedi K, Juang J, **Cichy RM***, Roig G* (2020). *Duality Diagram Similarity: a generic framework for initialization selection in task transfer learning*. In: Vedaldi A., Bischof H., Brox T., Frahm JM. (eds) Computer Vision – ECCV 2020. ECCV 2020. Lecture Notes in Computer Science, vol 12371. Springer, Cham. doi: 10.1007/978-3-030-58574-7_30.

Dwivedi K, **Cichy RM***, Roig G* (2020) *Unravelling Representations in Scene-selective Brain Regions Using Scene Parsing Deep Neural Networks*. J Cog Neuro 8: 1-20.

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, Sörensen 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): 987-93; 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	IICCSSS (International Interdisciplinary Computational Cognitive Science Spring School) 2019, Freiburg, Germany
01 / 2019	Otto Creutzfeld Center for Cognitive and Behavioral Neuroscience, Westfälische Wilhemls-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, Techology & 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	*Cognitive Neuroscience BII* (FUB), seminar: Instructor
07 / 2018	*Introduction to EEG and MEG: theory, acquisition and analysis* (Royan Institute, Tehran, Iran), 2-day course in summer school: Instructor

02 / 2018	*Introduction to multivariate pattern analysis on MEG data* (University of Stockholm), 1-day PhD course lecture & tutorial: Instructor
2014	*Neurotechnology in action* (MIT): Guest Lecturer
2013 – 2015	*A look into the human brain* (MIT): Guest Lecturer

CONFERENCE ABSTRACTS & TALK/POSTER PRESENTATIONS

Submitted

Dwivedi K, Bonner MF, Roig G*, **Cichy RM*** (submitted) Unveiling low-level to high-level functions of visual cortex using task-specific deep neural networks. To be presented at TeaP 2021, Ulm, Germany.

Balode MP, Dwivedi K, Roig G, **Cichy RM** (submitted) *Unraveling the temporal cortical dynamics of indoor scene navigation using behavioral and deep neural network models*. To be presented at the Annual Meeting of the Society for Neuroscience, Virtual.

Banki A, Köster M, **Cichy RM**, Hoehl S (accepted) *Do Communicative Signals During Joint Attention Promote Mutual Neural Processes?* To be presented at the Biennial Meeting of the Society for Research in Child Development (BCCCD21), virtual.

Ward E, Kayhan E, Kliesch C, **Cichy RM**, Hoehl S (submitted) *Theta and theta-gamma coupling processes as an index of building object representations in the infant brain.* Submitted to the Biennial Meeting of the Society for Research in Child Development (SRCD), virtual.

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, virtual.

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 ECVP 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 ECVP 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 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, Sörensen 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.

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