

# Curriculum Vitae

**Radoslaw Martin Cichy, Dr. rer. nat.**  
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Free University Berlin  
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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

## ACADEMIC TRACK & APPOINTMENTS

- 2016 – now      **Free University Berlin, Germany**  
Research Group Leader (Emmy Noether Program of the German  
Science Foundation)
- 2015              **Glasgow University**  
Senior Lecturer

## 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

## FELLOWSHIPS & AWARDS

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

2018	<i>High-Performance Computing Cluster and Storage System</i> at FU Berlin (INST 130/1063-1 FUGG, Co-applicant, 1/25 <sup>th</sup> of 3M€)
2016 – 2021	<i>Neural dynamics of visual cognition</i> , Emmy Noether Award of the DFG (CI 241/1-1, PI)
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)

## INVITED TALKS

07 / 2018	Salzburg Mind Brain Annual Meeting (SAMBA), Salzburg, Austria
07 / 2018	Rohan Institute, Tehran, Iran
06 / 2018	International Graduate School of Neuroscience, Ruhr University Bochum, Germany
05 / 2018	Nordic MEG conference, Stockholm, Sweden
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	2 <sup>nd</sup> HBP student conference, 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

02 / 2014 Department of Brain and Cognitive Sciences (Saxe), MIT

02 / 2014 Laboratory of Brain and Cognition Seminar, NIH

11 / 2013 Department of Brain and Cognitive Sciences (Kanwisher), MIT

06 / 2012 Visual Attention Lab Seminar, Harvard University

04 / 2012 McGovern Institute for Brain Research, MIT

05 / 2011 Center for Mind-Brain Sciences, Rovereto, Italy

04 / 2011 Department of Brain and Cognitive Sciences, MIT

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

03 / 2018 Organizer of Symposium at Annual Meeting of the Cognitive Neuroscience Society (CNS): *Understanding human visual cognition through multivariate and computational analysis of MEG and EEG data*

08 / 2017 Co-Organizer of Symposium at the European Conference of Visual Perception (ECVP) 2017 Symposium: *Resolving the temporal dynamics of human visual cognition using multivariate analysis of EEG and MEG*

08 / 2016 Co-Organizer of ECCV 2016 (European Conference for Computer Vision) Symposium: *Biological and Artificial Vision*

- 06 / 2016 Member of Organizing Committee of International Workshop for Pattern Recognition and in Neuroimaging (PRNI 2016), Trento, Italy
- 03 / 2016 Organizer of Symposium 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, Cognitive Neurodynamics, Cognitive Affective and Behavioral Neuroscience, Cognitive Processing, Cognitive Science, Entropy, European Journal of Neuroscience, Frontiers, International Journal of Computer Vision, Journal of Neurophysiology, Journal of Neuroscience, Journal of Neuroscience Methods, Nature Neuroscience, 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 A\*STAR (Science Council Singapore)  
Czech Ministry of Health  
DFG (German Research Foundation),  
ERC  
FWO (Research-foundation – Flanders)  
MRC  
NSF  
NWO (Dutch Research Council)
- Editorship Associate Guest Editor for PLOS Computational Biology

## TEACHING

- Introduction to MVPA and RSA (University of Stockholm), PhD course lecture & tutorial: Instructor 2018
- Neurotechnology in action (MIT): Guest Lecturer 2014
- A look into the human brain (MIT): Guest Lecturer 2013 - 2015
- Philosophy of mind (Osnabrück): Teaching Assistant 2003

## PREPRINTS

Grootswagers T, **Cichy RM**, Carlson T (2017). *Finding decodable information that is read out in behaviour*. biorXiv, doi: 10.1101/248583.

Chen Y, **Cichy RM**, Stennat W, Haynes JD (2017). *Scale-specific analysis of fMRI data on the irregular cortical surface*. biorXiv, doi: 10.1101/224873.

Kaiser D, Moeskops MM, **Cichy RM** (2017) *Typical real-world locations impact the time course of object coding*. biorXiv, doi: 10.1101/177493.

Guggenmos M, Sterzer P, **Cichy RM** (2017) *Multivariate pattern analysis for MEG: a comprehensive comparison of dissimilarity measures*. biorXiv, doi: 10.1101/172619.

**Cichy RM**, Kriegeskorte N, Jozwik K, van den Bosch JJF, Charest I (2017) *Neural dynamics of real-world object vision that guide behavior*. biorXiv, doi: <https://doi.org/10.1101/147298>.

## PEER-REVIEWED ARTICLES

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.

Pantazis D, Fang M, Qin S, Mohsenzadeh Y, Li Q, **Cichy RM** (in press) *Decoding the orientation of contrast edges from MEG evoked and induced responses*. *Neuroimage*.

**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.

**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.

**Cichy, RM**, Pantazis D & Oliva A (2016) *Similarity-based fusion of MEG and fMRI reveals spatio-temporal information flow in visual object recognition*. *CerebCortex* 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*. *SciReports* 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.

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) *Early visual and parietal cortex encodes working memory across mental transformations*. *Neuroimage*, doi: 10.1016/j.neuroimage.2014.11.018.

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.

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

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

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

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.

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.

\* shared last authorship

## 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.

## CONFERENCE ABSTRACTS & TALK/POSTER PRESENTATIONS

2018

Q Sheng, Fang M, Qin S, Mohsenzadeh Li Y, **Cichy RM** (2016) Decoding the orientation of contrast edges from MEG evoked and induced responses. Talk to be presented at BIOMAG 2018, Philadelphia, USA.

Teng S, **Cichy RM**, Pantazis D, Oliva A (2017) *Comparing dynamics of processing streams in blind and sighted readers*. Talk to be presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS), Boston, MA, USA.

Pantazis D, **Cichy RM** (2017). *Unique aspects of human object processing revealed by MEG and EEG*. Talk to be presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS), Boston, MA, USA.

Kaiser D, Moeskops MM, **Cichy RM** (2017) *Typical real-world locations facilitate object processing*. XX to be presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Graumann M, Ciuffi C, **Cichy RM** (2017) The Time Courses of Object Category and Location Representations in the Human Brain Depend on Clutter. XX to be presented at the Annual Meeting of the Vision Science Society (VSS), St. Pete Beach, FL, USA.

Teng S, **Cichy RM**, Pantazis D, Oliva A (2017) *Tracking tactile braille brain responses in space and time*. XX to be 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 (2017) *Probing the Time-Course and Properties of Higher-Order Visual Representations in the Developing Brain with Multivariate EEG Decoding*. Talk to be 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*.

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 Biennial 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, Maryland.

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, USA.

Chen J, Mohsenzadeh Y, Li J, Li Q, **Cichy RM**, Pantazis D *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, 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, 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, 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, USA.

Teng S, Cichy RM, Pantazis 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, Utah, 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, USA.

**Cichy RM**, Pantazis D, Oliva A (2014) Expanding the limits of imaging technologies: a combined MEG and fMRI investigation of human object representations. 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, 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 ECVP 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? *Presented at the 45th Annual Conference of the Environmental Design Research Association, New Orleans, 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) ECVP 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

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