

Curriculum Vitae

Bernhard Staresina, PhD

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Academic History

2018 – present	Senior Research Fellow (~Associate Professor) • School of Psychology, University of Birmingham, UK
2016 – present	Sir Henry Dale Fellow (The Wellcome Trust & The Royal Society) • School of Psychology, University of Birmingham, UK
2014 – 2018	Birmingham Fellow • School of Psychology, University of Birmingham, UK
2010 – 2014	Sir Henry Wellcome Postdoctoral Fellow (The Wellcome Trust) • Department of Psychology, Stanford University, USA Dr. Anthony Wagner • MRC Cognition and Brain Sciences Unit, Cambridge, UK Dr. Richard Henson • Donders Centre for Cognitive Neuroimaging, Nijmegen, Netherlands Dr. Ole Jensen
2009 – 2010	Postdoctoral Fellow • Department of Epileptology, University of Bonn, Germany Dr. Juergen Fell
2004 – 2009	Ph.D., Experimental Psychology • Department of Psychology, New York University, USA Dr. Lila Davachi
1999 – 2004	B.Sc., M.Sc., Psychology • University of Vienna, Austria Dr. Peter Walla

Publications

Preprints

Treder, M.S., Charest, I., Michelmann, S., Martín-Buro, M.C., Roux, F., Carceller-Benito, F., Ugalde-Canitrot, A., Rollings, D.T., Sawlani, V., Chelvarajah, R., Wimber, M., Hanslmayr, S., **Staresina, B. P.** (2020). The hippocampus as the switchboard between perception and memory. [bioRxiv](#), 104539.

Petzka, M., Charest, I., Balanos, G. M, **Staresina, B. P.** (2020). Does sleep-dependent consolidation favour weak memories? [PsyArXiv](#), q4wnv.

Cox, R., Rüber, T., **Staresina, B.P.**, Fell, J. (2020). Sharp-wave ripples in human amygdala and their coordination with hippocampus. [bioRxiv](#), 897413.

Kunz, L., Brandt, A., Reinacher, P. C., **Staresina, B. P.**, Reifenstein, E. T., Weidemann, C. T., Herweg, N. A., Tsitsiklis, M., Kempter, R., Kahana, M. J., Schulze-Bonhage, A., Jacobs, J. (2020). A neural code for egocentric spatial maps in the human medial temporal lobe. [bioRxiv](#) 973131.

Griffiths, B.J., Martín-Buro, M.C., **Staresina, B.P.**, Hanslmayr, S. (2020). Disentangling the roles of neocortical alpha/beta and hippocampal theta/gamma activity in human episodic memory. [bioRxiv](#), 915330.

Journal Articles

Ngo, H-V.V., Fell, J., **Staresina, B. P.** (2020). Sleep spindles mediate hippocampal-neocortical coupling during long-duration ripples. [eLife](#) 9:e57011.

Martin-Buro, M.C., Wimber, M., Henson, R. N, **Staresina, B. P.** (2020). Alpha rhythms reveal when and where item- and associative memories are retrieved. [The Journal of Neuroscience](#) 40(12): 2510 – 2518.

Cox, R., Rüber, T., **Staresina, B.P.**, Fell, J. (2020). Phase-based coordination of hippocampal and neocortical oscillations during human sleep. [Communications Biology](#) 3(1), 1-11.

Staresina, B.P., Wimber, M. (2019). A Neural Chronometry of Memory Recall. [Trends in Cognitive Sciences](#) 23:1071 – 1085.

Griffiths, B.J., Parish, G., Roux, F., Michelmann, S., van der Plas, M., Kolibius, L.D., Chelvarajah, R., Rollings, D.T., Sawlani, V., Hamer, H., Gollwitzer, S., Kreiselmeier, G., **Staresina, B.P.**, Wimber, M., Hanslmayr, S. (2019). Directional coupling of slow and fast hippocampal gamma with

neocortical alpha/beta oscillations in human episodic memory. Proceedings of the National Academy of Sciences of the United States of America 116(43):21834 – 21842.

Cox, R., Rüber, T., **Staresina, B.P.**, Fell, J. (2019). Heterogeneous profiles of coupled sleep oscillations in human hippocampus. Neuroimage 15;202:116178.

Schultz, H., Tibon, R., LaRocque, K. F., Gagnon, S. A., Wagner, A. D., **Staresina, B. P.** (2019). Content tuning in the medial temporal lobe cortex: Voxels that perceive, retrieve. eNeuro, 0291-19.2019.

Staresina, B.P., Reber, T., Niediek, J., Boström, J., Elger, C.E., Mormann, F. (2019). Recollection in the human hippocampal-entorhinal cell circuitry. Nature Communications 10(1): 1503.

Michelmann, S., **Staresina, B.P.**, Bowman, H., Hanslmayr, S. (2019). Speed of time-compressed forward replay flexibly changes in human episodic memory. Nature Human Behaviour 3(2): 143 – 154.

Schreiner, T., **Staresina, B.P.** (2019). Sleep: Rock and Swing versus Toss and Turn. Current Biology 29(3): 86 – 88.

Antony, J.W., Schönauer, M., **Staresina, B.P.**, Cairney, S.A. (2019). Sleep spindles and memory reprocessing. Trends in Neurosciences 42(1): 1 – 3.

Cairney, S.A., Guttesen, A., El Marj, N., **Staresina, B.P.** (2018). Memory consolidation is linked to spindle-mediated information processing during sleep. Current Biology 28(6): 948 – 954.

Gruber, M.J., Hsieh, L., **Staresina, B.P.**, Elger, C.E., Fell, J., Axmacher, N., Ranganath, C. (2018). Theta Phase Synchronization between the Human Hippocampus and Prefrontal Cortex Increases during Encoding of Unexpected Information: A Case Study. Journal of Cognitive Neuroscience. 30 (11), 1646 – 1656.

Michelmann, S., Treder, M.S., Griffiths, B.J., Kerren, C., Roux, F., Wimber, M., Rollings, D., Sawlani, V., Chelvarajah, R., Gollwitzer, S., Kreiselmeier, G., Hamer, H., Bowman, H., **Staresina, B.P.**, Hanslmayr, S. (2018). Data-driven re-referencing of intracranial EEG based on independent component analysis (ICA). Journal of Neuroscience Methods 307, 125 – 137.

Derner, M., Chaieb, L., Surges, R., **Staresina, B.P.**, Fell, J. (2018). Modulation of item and source memory by auditory beat stimulation: a pilot study with intracranial EEG. Frontiers in Human Neuroscience 12:500.

Hansen, N., Chaieb, L., Derner, M., Hampel, K.G., Elger, C.E., Surges, R., **Staresina, B.P.**, Axmacher, N., Fell, J. (2018). Memory encoding-related anterior hippocampal potentials are modulated by deep brain stimulation of the entorhinal area. Hippocampus 28: 12 – 17.

Ngo, H-V.V., **Staresina, B.P.** (2017). Sleep: Shifting memories. eLife 6:e30774.

Staresina, B.P., Michelmann, S.*, Bonnefond, M.*, Jensen, O., Axmacher, N., Fell, J. (2016). Hippocampal pattern completion is linked to gamma power increases and alpha power decreases during recollection. eLife 5:e17397.

Hanslmayr, S., **Staresina, B.P.**, Bowman, H. (2016). Oscillations and episodic memory - Addressing the synchronization/desynchronization conundrum. Trends in Neurosciences 39(1): 16 – 25.

Staresina, B.P.*, Bergmann, T.O.*, Bonnefond, M., van der Meij, R., Jensen, O., Deuker, L., Elger, C.E., Axmacher, N., Fell, J. (2015). Hierarchical nesting of slow oscillations, spindles and ripples in the human hippocampus during sleep. Nature Neuroscience 18(11):1679 – 1686.

Zhang, H., Fell, J., **Staresina, B.P.**, Weber, B., Elger, C.E., Axmacher, N. (2015). Gamma power reductions accompany stimulus-specific representations of dynamic events. Current Biology 25(5):635 – 640.

Staresina, B.P., Alink, A., Kriegeskorte, N. and Henson, R.N. (2013). Awake reactivation predicts memory in humans. Proceedings of the National Academy of Sciences of the United States of America 110(52):21159 – 21164.

Staresina, B.P., Fell, J., Dunn, J., Axmacher, N. and Henson, R.N. (2013). Using state-trace analysis to dissociate the functions of the human hippocampus and perirhinal cortex in recognition memory. Proceedings of the National Academy of Sciences of the United States of America 110(8):3119 – 3124.

Staresina, B.P., Cooper, E. and Henson, R.N. (2013). Reversible information flow across the medial temporal lobe: The hippocampus links cortical modules during memory retrieval. The Journal of Neuroscience 33(35):14184 - 14192.

Staresina, B.P., Fell, J., Do Lam, A.T., Axmacher, N. and Henson, R.N. (2012). Memory signals are temporally dissociated in and across human hippocampus and perirhinal cortex. Nature Neuroscience 15(8):1167 - 1173.

Staresina, B.P., Henson, R.N., Kriegeskorte, N. and Alink, A. (2012). Episodic reinstatement in the medial temporal lobe. The Journal of Neuroscience 32(50):18150 - 18156.

Fell, J., **Staresina, B.P.**, Do Lam, A.T., Widman, G., Helmstaedter, C., Elger, C.E. and Axmacher N. (2012). Memory modulation by weak synchronous deep brain stimulation: A pilot study. Brain Stimulation 5(4): 270 - 273.

Do Lam, A.T., Axmacher, N., Fell, J., **Staresina, B.P.**, Gauggel, S., Wagner, T., Olligs, J. and Weis, S. (2012). Monitoring the mind: the neurocognitive correlates of metamemory. PloS One 7(1): e30009.

Staresina, B.P., Duncan, K.D. and Davachi, L. (2011). Perirhinal and parahippocampal cortices differentially contribute to later recollection of object- and scene-related event details. The Journal of Neuroscience 31(24):8739 - 8747.

Fell, J., Ludowig, E., **Staresina, B.P.**, Wagner, T., Kranz, T., Elger, C.E. and Axmacher, N. (2011). Medial temporal lobe theta/alpha power enhancement precedes successful memory encoding: evidence based on intracranial EEG. The Journal of Neuroscience 31(14): 5392 - 5397.

Staresina, B.P. and Davachi, L. (2010). Object unitization and associative memory formation are supported by distinct brain regions. The Journal of Neuroscience 30(29): 9890 - 9897.

Devinsky, O., Davachi, L., Santchi, C., Quinn, B.T., **Staresina, B.P.** and Thesen, T. (2010). Hyperfamiliarity for faces. Neurology 74(12): 970 - 974.

Staresina, B.P. and Davachi, L. (2009). Mind the gap: Binding experiences across space and time in the human hippocampus. Neuron 63(2): 267 - 276.

Staresina, B.P., Gray, J.C. and Davachi, L. (2009). Event congruency enhances memory encoding through semantic elaboration and relational binding. Cerebral Cortex 19(5): 1198 - 1207.

Öztekin, I., McElree, B., **Staresina, B.P.** and Davachi, L. (2009). Neural correlates of working memory retrieval. Journal of Cognitive Neuroscience 21(3): 581 - 593.

Staresina, B.P. and Davachi, L. (2008). Selective and shared contributions of the hippocampus and perirhinal cortex to episodic item and associative encoding. Journal of Cognitive Neuroscience 20(8): 1478 - 1489.

Staresina, B.P. and Davachi, L. (2006). Differential encoding mechanisms for subsequent associative recognition and free recall. The Journal of Neuroscience 26(36): 9162 - 9172.

Staresina, B.P., Bauer, H., Deecke, L. and Walla, P. (2005). Magnetoencephalographic correlates of different levels in subjective recognition memory. NeuroImage 27(1): 83 - 94.

Staresina, B.P., Bauer, H., Deecke, L. and Walla, P. (2005). Neurocognitive correlates of incidental verbal memory encoding: a magnetoencephalographic (MEG) study. *NeuroImage* 25(2): 430 - 443.

Book Chapters

Bergmann, T.O. and **Staresina, B.P.** (2017). Neuronal oscillations and reactivation supporting memory consolidation. N. Axmacher and B. Rasch (Eds.), *Cognitive neuroscience of memory consolidation*.

Brown, T. I., **Staresina, B. P.**, & Wagner, A. D. (2015). Noninvasive functional and anatomical imaging of the human medial temporal lobe. E. Kandel, Y. Dudai, & M. Mayford (Eds.), *Learning & Memory*. Cold Spring Harbor Laboratory Press.

Staresina, B. (2004). Epiphänomenalismus. Anlass zur Skepsis gegenüber Bewusstsein. In: A. Batthyany (Hrsg.), *Bewusstsein: Neuronale Grundlagen und subjektives Erleben*. [Epiphenomenalism. Reason for Skepticism Towards Consciousness. A. Batthyany (Ed.), *Consciousness: Neural Fundamentals and Subjective Experience*.] Kassel: Kassel University Press.

Fellowships and Awards

2020 – 2025	ERC Starting Grant, European Commission (Co-I)
2017 – 2019	Marie Skłodowska-Curie Fellowship, European Commission (PI)
2017	University of Birmingham intramural pump priming funding (PI)
2016 – 2021	Sir Henry Dale Fellowship, The Wellcome Trust & The Royal Society (PI)
2014 – 2019	Birmingham Fellowship, University of Birmingham
2014	Certificate of Reviewing Excellence 2014, Elsevier
2012	Laird Cermak Award, Memory Disorders Research Society (MDRS)
2012	Medical Research Council intramural project grant
2012	Elected Fellow of the Royal Society of the Arts (FRSA)
2011 – 2014	Junior Research Fellow, St. Catharine's College, University of Cambridge
2011	Postdoctoral Researcher, St. John's College, University of Cambridge
2010 – 2014	Sir Henry Wellcome Postdoctoral Fellowship, The Wellcome Trust
2008	American Psychological Association (APA) Dissertation Research Award
2008	Martin Braine Fellowship, New York University
2007	Katzell Summer Fellowship, New York University
2006	Travel Grant, "Neuroimaging and Psychological Theories of Human Memory", Marburg, Germany
2006	Research Support: "Neuroimaging Studies of Emotional and Attentional Influences, Cognition and Perception", The Seaver Foundation
2005	GSAS Student Travel Grant, New York University
2004 – 2009	McCracken Fellowship, New York University

Professional Memberships

since 2019	Research Leaders Programme, University of Birmingham
since 2013	Memory Disorders Research Society (MDRS)
since 2010	Organization for Human Brain Mapping
since 2005	Society for Neuroscience
since 2004	Cognitive Neuroscience Society

Talks

Symposia

2020	MRC BNDU Science Day, Keynote speaker, Oxford, UK
2019	Sleep-dependent memory consolidation, SfN Satellite, Chicago, IL, USA
2019	Cognitive Neuroscience of Memory, Liege, BEL
2019	International Sleep and Replay Workshop, Northwestern University, USA
2019	Swiss Sleep Workshop, Fribourg, SUI
2018	Replay Symposium, Cardiff, UK (<i>Chair</i>)
2017	Annual Meeting of the Memory Disorders Research Society, Chicago, IL, USA (<i>Co-Organizer and Chair</i>)
2017	Replay Symposium, Cardiff, UK
2016	International Conference on Memory [ICOM6], Budapest, Hungary
2015	Annual Meeting of the Memory Disorders Research Society, Cambridge, UK
2015	Swiss Memory Workshop, Spiez, Switzerland
2014	Annual Meeting of the Memory Disorders Research Society, Austin, TX, USA
2014	ICON - International Cognitive Neuroscience Conference, Brisbane, Australia
2012	Annual Meeting of the Memory Disorders Research Society, Davis, CA, USA
2011	International Conference on Memory [ICOM5], York, UK
2011	1st Conference on High Frequency Oscillations in Cognition and Epilepsy, Montreal Neurological Institute, Montreal, CA
2010	9 th International Conference on Neuroaesthetics, Berkeley, CA, USA
2010	1st Aquitaine Conference in Neuroscience, Arcachon, France
2010	Tagung experimentell arbeitender Psychologen, Saarbruecken, Germany

Peer reviewed conference talks

2017	Society for Neuroscience Annual Meeting, Washington DC, USA
2012	Society for Neuroscience Annual Meeting, New Orleans, LA, USA
2006	Society for Neuroscience Annual Meeting, Atlanta, GA, USA

Departmental Talks/Seminar Series

KU Leuven (BEL), Baylor College of Medicine (US), University of Lyon (FRA), University of Fribourg (SUI), Cardiff University (UK), University of Oxford (UK), Donders Centre for Cognitive Neuroimaging (NL), Mount Sinai School of Medicine (USA), New School for Social Research (USA), University of Konstanz (GER), University of Bochum (GER), University Medical Center Hamburg-Eppendorf (GER), University of Manchester (UK), University of York (UK), University of Tuebingen (GER), University of Amsterdam (NL), University of Freiburg (GER), University of Salzburg (AUT), University of Bristol (UK)

Ad Hoc Referee

Journals

Science	Nature Neuroscience
PNAS	eLife
Nature Communications	Current Biology
Trends in Cognitive Sciences	Nature Human Behaviour
Journal of Neuroscience	Science Advances
Journal of Experimental Psychology: General	Sleep
Cerebral Cortex	Journal of Neurophysiology
Journal of Cognitive Neuroscience	NeuroImage
Cognitive, Affective and Behavioral Neuroscience	Hippocampus
Neuropsychologia	Cognition
Human Brain Mapping	Consciousness and Cognition
Brain Structure and Function	Cortex
Social Cognitive and Affective Neuroscience	eNeuro
Journal of Memory and Language	Brain Research
Frontiers in Human Neuroscience	PLoS ONE
Neurobiology of Learning and Memory	Scientific Reports
PLoS Biology	

Funding Agencies

Medical Research Council UK (MRC)
Economic and Social Research Council UK (ESRC)
Biotechnology and Biological Sciences Research Council UK (BBSRC)
Wellcome Trust
National Science Foundation USA (NSF)
National Institute of Neurological Disorders and Stroke USA (NINDS)

German-Israeli Foundation for Scientific Research and Development (GIF)
German Research Foundation (DFG)
United States - Israel Binational Science Foundation (BSF)
The Research Foundation – Flanders (FWO)
European Research Council (ERC)

Editorial Work

2019 *Neuropsychologia*, Co-Editor of Special Issue 'Memory and Oscillations'
2013 – 2017 *Cogent Psychology*, editorial board member *Cognitive Science & Neuroscience*

Management

since 2019 Midlands Sleep Group (MSG), Co-chair (www.midlandssleep.org)
since 2018 Centre for Human Brain Health (CHBH) Management Committee member, Head of Sleep Research

Supervision

Postdoctoral researchers:

2018 – 2019 Dr. Thomas Schreiner, School of Psychology, University of Birmingham (funded by the Swiss Research Council (SNF))
2017 – 2019 Dr. Heidrun Schultz, School of Psychology, University of Birmingham (funded by a Marie Curie fellowship)
2016 – 2019 Dr. Hong-Viet Ngo, School of Psychology, University of Birmingham
2016 – 2017 Dr. Matthias Treder, School of Psychology, University of Birmingham

Primary supervision of Doctoral students:

2017 – 2021 Oliver Ratcliffe, School of Psychology, University of Birmingham
2016 – 2020 Marit Petzka, PhD student, School of Psychology, University of Birmingham
2016 – 2019 Maria Del Carmen Martin-Buro, PhD student, Center for Biomedical Technology, University of Madrid (primary scientific supervisor)

2015 – 2018	Nicole El Marj, ClinPsyD student, School of Psychology, University of Birmingham
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Secondary supervision of Doctoral students:

2018 – 2021	Christina Dimitriadou, School of Psychology, University of Birmingham
2017 – 2020	Julia Lifanov, School of Psychology, University of Birmingham
2017 – 2020	Sebastian Sporn, School of Psychology, University of Birmingham
2014 – 2018	Shoug Yousef Y Al Humoud, School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham

Masters and other postgraduate supervision:

2018 – 2019	Joseph Danby, MSc Psychology Research, University of Birmingham
2015 – 2016	Constantinos Santis, MSc Psychology Research, University of Birmingham
2014 – 2015	Zainab Alyobi, MSc Computational Neuroscience and Cognitive Robotics, University of Birmingham
2009 – 2010	Supervision of 2 Master's students at the University of Bonn (Victoria Fischer, Marion Schulte-Drueggelte)
2004 – 2009	Supervision of a Master's student (James Gray) and 4 research assistants (Nicole Long, Benjamin Miron, Anish Jain, Julia Choi) at New York University

Teaching

2020	Module Lead, <i>Why We Remember, Why We Forget</i> (3 rd year UG).
2017	Organization of a Master Class in Cognitive Neuroscience for MRC-funded PhD students.
2017-2020	Guest Lecture 'Episodic Memory' in 'Applications of Brain Imaging in Cognitive Neuroscience'.
2015	Guest Lecture 'Episodic Memory' in 'Applications of Brain Imaging in Cognitive Neuroscience'.
2007	Teaching Assistant for Dr. Clayton Curtis, Cognitive Neuroscience, NYU
2005	Teaching Assistant for Dr. Denis Pelli, Perception, NYU

Organization of Conferences, Symposia and Workshops

2020	“Single Unit and Human iEEG Meeting Memory (SUsHi).” (3-day conference/workshop at the University of Birmingham, Co-Organiser)
2017	“Memory needs sleep, and memory research needs sleep research.” (Symposium at the annual MDRS meeting, Northwestern University, Chicago, USA)
2017	“Episodic memory & Active systems consolidation - A journey from scalp-EEG via targeted memory reactivation to intracranial EEG” (Symposium at the annual retreat of Jan Born and Niels Bierbaumer labs, Tuebingen, Germany)
2011	“Integrating direct brain recordings in cognitive neuroscience: Bridges from neurons to behaviour.” (1-day workshop at the Cognition and Brain Science Unit, Cambridge, UK)

Public Engagement

Warum und wie das Gehirn im Schlaf lernt (Why and how the brain learns during sleep, radio interview on the Austrian Broadcasting Network ORF, March 2018)

Pint of Science public engagement series talk, April 2017: ‘how do we build memories?’

Die neuronale Zeitmaschine [The Neuronal Time Machine] – Bernhard Staesina and Stefan Koehler, feature article in Gehirn & Geist, Spektrum der Wissenschaft Verlag, April 2017.

Naked Scientists Question of the Week (science radio broadcast on BBC regional radio and BBC Five Live in addition to worldwide podcast audience), October 2012: why can't I remember names?

Cambridge Science Festival, March 2011: A window on the brain (interactive demonstration of memory experiments).

Poster Presentations

Ngo, H.V., Chen, Y.Y., Yoshor, D., Foster, B.L., **Staesina, B.P.** *Post-learning sleep oscillations track learning networks as revealed via human electrocorticography.* (Poster at the 2019 Society for Neuroscience Annual Meeting)

Petzka, M., Balanos, G., **Staresina, B.P.** *Sequential reactivation during offline periods in humans.* (Poster at the 2019 Society for Neuroscience Annual Meeting)

Schultz, H., Greve, A., Rua, C., Berron, D., Henson, R., **Staresina, B.P.** *Memento - memory for objects and scenes in the human medial temporal lobe at 7 tesla.* (Poster at the 2019 Society for Neuroscience Annual Meeting)

Ratcliffe, O.J., **Staresina, B.P.**, Shapiro, K., *The temporal dynamics of working memory maintenance in a category-based N-Back.* (Poster at the 2019 Society for Neuroscience Annual Meeting)

Ngo, H.V., Fell, J., **Staresina, B.P.** *Hippocampal ripples initiate cortical-hippocampal communication.* (Poster at the 2018 Society for Neuroscience Annual Meeting)

Petzka, M., Charest, I., Chatburn, A., Balanos, G., **Staresina, B.** *The role of cross-frequency coupling during sleep for episodic-like memory consolidation.* (Poster at the 2018 Society for Neuroscience Annual Meeting)

Schultz, H., Tibon, R., LaRocque, K.F., Gagnon, S.A., Wagner, A.D., **Staresina, B.P.** *Dissociation of associative retrieval processes across the human medial temporal lobe.* (Poster at the 2018 Society for Neuroscience Annual Meeting)

Petzka, M., Treder, M., Balanos, G., **Staresina, B.** *Do fast sleep spindles & slow oscillations trigger reactivation of category-specific learning patterns?* (Poster at the 2016 FENS Meeting)

Schultz, H., LaRocque, K.F., Gagnon, S.A., Wagner, A.D., **Staresina, B.** *Medial temporal and frontoparietal involvement in object and scene recollection.* (Poster at the 2016 ICOM6 Meeting)

Martín-Buro, M.C., Wimber, M., Henson, R.N., **Staresina, B.** *Oscillatory entrainment in episodic memory consolidation.* (Poster at the 2016 ICOM6 Meeting)

Staresina, B.P., Fell, J., Do Lam, A.T., Axmacher, N. and Henson, R.N. *Qualitatively different memory signals in human rhinal cortex and hippocampus revealed via iEEG.* (Poster at the 2012 Organization for Human Brain Mapping Annual Meeting)

Fell, J., Axmacher, N., Elger, C.E., and **Staresina, B.P.** *Phase-amplitude coupling in human hippocampal EEG recordings during waking state and sleep.* (Poster at the 2012 Organization for Human Brain Mapping Annual Meeting)

Gruber, M., Hsieh, B., **Staresina, B.P.**, Elger, C.E., Fell, J., Do Lam, A.T., Axmacher, N. and Ranganath, C. *Novelty modulates intracranial EEG signals in the prefrontal cortex during memory encoding.* (Poster at the 2012 42nd Society for Neuroscience Annual Meeting)

Staresina, B.P., Wagner, T., Ranganath, C., Fell, J. and Axmacher, N. *MTL mechanisms supporting episodic memory encoding and retrieval revealed via intracranial EEG*. (Poster at the 2010 Organization for Human Brain Mapping Annual Meeting)

Staresina, B.P., Duncan, K. and Davachi, L. *Domain specificity in medial temporal lobe cortex during episodic memory formation*. (Poster at the 2010 Cognitive Neuroscience Society Annual Meeting)

Duncan, K., **Staresina, B.P.** and Davachi, L. *Temporal dynamics of blood-oxygen-level dependent (BOLD) responses in the medial temporal lobe during associative encoding*. (Poster at the 2010 Cognitive Neuroscience Society Annual Meeting)

Staresina, B.P. and Davachi, L. *Contributions of the perirhinal cortex to associative memory formation*. (Poster at the 2009 Cognitive Neuroscience Society Annual Meeting)

Staresina, B.P., Gray, J.C. and Davachi, L. *Mind the gap: Associative binding in the medial temporal lobe*. (Poster at the 2008 38th Society for Neuroscience Annual Meeting)

Staresina, B.P., Thesen, T., Donner, T.H., Carlson, C., Devinsky, O. and Davachi, L. *Functional dynamics of successful retrieval in the human MTL revealed using intracranial EEG recordings*. (Poster at the 2008 Cognitive Neuroscience Society Annual Meeting)

Staresina, B.P. and Davachi, L. *The beneficial effect of affirmative responses on episodic memory encoding*. (Poster at the 2007 Cognitive Neuroscience Society Annual Meeting)

Öztekin, I., McElree, B., **Staresina, B.** and Davachi, L. *Isolating focal attention from memory representations: Converging neuroimaging evidence from two distinct working memory paradigms*. (Poster at the 2006 36th Society for Neuroscience Annual Meeting)

Staresina, B.P. and Davachi, L. *Differential brain activity for subsequent recognition and free recall*. (Poster at the 2005 35th Society for Neuroscience Annual Meeting)

Staresina, B.P., Bauer, H., Deecke, L. and Walla, P. *Verbal memory encoding: a magnetoencephalographic (MEG) study*. (Poster at the 2003 8th Meeting of the Austrian Neuroscience Association)