



Jun.-Prof. Dr. Siri-Maria Kamp

**Junior Research Group “Neuro-Cognitive Psychology”
Trier University**

Personal Data

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Birth Date Oktober 28th, 1984
Children Nils *Dezember 11th, 2015

Education

April 2010 - August 2013 **Doctor of Philosophy (Ph.D.) in Cognitive, Neuroscience and Social Psychology**
University of South Florida, Tampa, USA
(grade point average: 4.0)
Dissertation: „The Psychophysiology of Novelty Processing: Do Brain Responses to Deviance Predict Recall, Recognition, and Response Time?“

August 2007 - April 2010 **Master of Arts (M.A.) in Cognitive, Neuroscience and Social Psychology**
University of South Florida, Tampa, USA
(grade point average: 4,0)
Masters Thesis: „The Effects of Physical Distinctiveness and Word Commonness on Brain Waves and Subsequent Memory: An ERP Study“

October 2003 - January 2007 **Bachelor of Science (B.Sc.) in Cognitive Science**
Universität Osnabrück, Niedersachsen
(with distinction)
Bachelors Thesis: „Influence of Musical Expertise on Error-Related Brain Potentials and Behavioral Performance in a Flanker Task“ (Max Planck Institut, Leipzig)

September 2006 - January 2007 **Semester Abroad in Cognitive Science**
University of Helsinki, Finland

June 2003 **Abitur (High School Diploma)**
Gymnasium Nepomucenum Rietberg, Germany

Research Experience

- May 2017 - **Trier University (Trier, Germany)**
Assistant Professor of Neuro-Cognitive Psychology (W1)
- December 2016 - **Institute of Cognitive and Clinical Neuroscience, Zentralinstitut für Seelische**
November 2017 **Gesundheit (Mannheim, Germany)**
Visiting Scientist
- November 2016 - **Faculty for Applied Psychology, SRH University Heidelberg (Heidelberg, Germany)**
April 2017 Scientist and Lecturer, Manager of the EEG / Eye-Tracking Laboratory
- September 2015 - **Department of Experimental Neuropsychology, Saarland University (Saarbrücken,**
February 2017 **Germany)**
Scientist (Postdoc) and Lecturer
October 2015 - October 2016: Parental leave, part-time
- September 2013 - **Graduate College „Adaptive Minds“, Saarland University (Saarbrücken, Germany)**
August 2015 Scientist (Postdoc)
- August 2007 - **Cognitive Psychophysiology Laboratory, University of South Florida (Tampa, USA)**
August 2013 PhD Student
- September 2005 - **Max Planck Institute for Human Cognitive and Neuroscience (Leipzig, Germany)**
April 2006 Intern, Completion of an Experimental Bachelors Thesis

Grants and Awards

- 2018 - 2021 **German Research Foundation**
Research grant: „Experimental Tests of proximate Explanations of the Survival Processing Effect in episodic Memory“. Collaborators: Jun.-Prof. Dr. Meike Kroneisen (University of Koblenz-Landau); Prof. Dr. Edgar Erdfelder (University of Mannheim). Total amount: €398.000,-.
- Januar 2018 - **Nikolaus Koch Foundation**
March 2019 *Research grant: „Development of the neurocognitive basis of memory in older adults “. Total amount: €14.300,-*
- October 2017 - **Starting Grant, Trier University**
June 2018 *Research grant: „Neurocognitive Mechanisms of episodic Encoding of Items and Associations“. Total amount: €5.000,-*
- April 2016 - **Starting Grant, Saarland University**
June 2017 *Research grant: „Effect of acute Stress on Episodic Encoding of Items and Associations“. Total amount: €15.000,-*
- January 2016 **Program of Excellence for Female Scientists, Saarland University**
- September 2012 - **Society for Psychophysiological Research: Research Fellowship Training Award**
September 2013 *Grant for Training in Eye-Tracking, Pupillometry and Peripheral Physiology by Dr. Margaret Bradley, University of Florida. Total amount: \$1.800,-*
- January 2012 - **University of South Florida (USF) Interdisciplinary Graduate Student Challenge Grant**
July 2013 *Research Grant Awarded by the USF Graduate School: „Integration of a Brain-Computer Interface with Intelligent Machine Vision to Control a Robotic Arm and Enhance Quality of Life for Persons with Disabilities.“ Total amount: \$5.000,-*

- August 2011 - **Signature Research Doctoral Fellowship, University of South Florida**
July 2013 *Research Fellowship*
- May 2010 **4th International Brain-Computer Interface Meeting, travel grant**
- 2009, 2010, 2011, **University of South Florida (USF) Student Government, travel grant**
2012
- January 2009 - **University of South Florida (USF) Interdisciplinary Graduate Student Challenge Grant**
January 2010 *Research grant awarded by the USF Graduate School: "Comparing the Enhancing Effects of Distinctiveness and Emotion on Memory. Statistical Modeling of Event-Related Brain Potentials to Predict Subsequent Memory". Total amount: \$5.000,-*
- January 2009 **Tom Tighe Research Fund**
Research grant awarded by the Department of Psychology, USF, Tampa, USA. Amount: \$100
- October 2008 **Society for Psychophysiological Research, travel grant**
- September 2007 **USF Psychology Graduate Student Organization, travel grant**
- August 2007 - **Graduate Multidisciplinary Scholar (GMS), University of South Florida**
July 2009 *Research Fellowship*
- September 2006 - **ERASMUS Grant**
January 2007 *Grant for a semester abroad at University of Helsinki (Finland)*

Membership in Professional Organizations

Society for Psychophysiological Research

Cognitive Neuroscience Society

Deutsche Gesellschaft für Psychologie

Deutsche Gesellschaft für Psychologie, Fachgruppe Biologische Psychologie und Neuropsychologie

Ad-Hoc Reviewing for Journals

Acta Psychologica, Advances in Cognitive Psychology, Cognitive Research: Principles and Implications, Frontiers in Neuroprosthetics, IEEE Transactions on Human-Machine Systems, International Journal of Psychophysiology, Journal of Cognitive Psychology, Journal of Cognitive Neuroscience, Journal of Psychophysiology, PLoS ONE, Proceedings of the Annual Meeting of the Cognitive Science Society, Psychophysiology, Scientific Reports

Reviewing for Funding Institutions

German Academic Exchange Service (DAAD; 2018)

Peer-Reviewed Journal Articles

- Kamp, S.-M.,** Bader, R., & Mecklinger, A. (in press). Utilization of word pairs in young and older adults: Encoding mechanisms and retrieval outcomes. *Psychology of Aging*.
- Kamp, S.-M.,** Bader, R., & Mecklinger, A. (2017). ERP subsequent memory effects differ between inter-item and unitization encoding tasks. *Frontiers in Human Neuroscience, 11*, 30.
- Kamp, S.-M.,** Bader, R., & Mecklinger, A. (2016). The effect of unitizing word pairs on recollection- vs. familiarity-based retrieval – further evidence from ERPs. *Advances in Cognitive Psychology, 12*(4), 168-177.
- Kamp, S.-M.,** Lehman, M., Malmberg, K. J. & Donchin, E. (2016). A buffer model account of behavioral and ERP patterns in the Von Restorff paradigm. *AIMS Neuroscience, 3*(2), 181-202.
- Kamp, S.-M.,** Potts, G. F., & Donchin, E. (2015). On the roles of distinctiveness and semantic expectancies in episodic encoding of emotional words. *Psychophysiology, 52*(12), 1599-1609.
- Kamp, S.-M.,** & Zimmer, H. D. (2015). Contributions of attention and elaboration to associative encoding in young and older adults. *Neuropsychologia, 15*, 252-264.
- Kamp, S.-M.,** & Donchin, E. (2015). ERP and pupil responses to deviance in an oddball paradigm. *Psychophysiology, 52*(4), 460-471.
- Heflick, N. A., Goldenberg, J. L., Hart, J. J., & **Kamp, S.-M.** (2015). Death awareness and body-self dualism: The why and how of afterlife belief. *European Journal of Social Psychology, 45*(2), 267-275.
- Kamp, S.-M.,** Brumback, T., & Donchin, E. (2013). The component structure of ERP subsequent memory effects in the Von Restorff paradigm and the word frequency effect in recall. *Psychophysiology, 50*(11), 1079-1093.
- Kamp, S.-M.,** Murphy, A. R., & Donchin, E. (2013). The component structure of event-related potentials in the P300 Speller paradigm. *IEEE Transactions on Neural Systems and Rehabilitation Engineering, 21*(6), 1534-4320.
- Kamp, S.-M.,** Forester, G. R., Murphy, A. R., Brumback, T., & Donchin, E. (2012). Testing a distinctiveness explanation of the primacy effect in free recall using event-related potentials. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.), *Proceedings of the 34th Annual Meeting of the Cognitive Science Society* (pp. 539-544). Austin, TX: Cognitive Science Society.
- Potts, G. F., Martin, L. E., **Kamp, S.-M.,** & Donchin, E. (2011). Neural response to action and reward prediction errors: Comparing the Error Related Negativity to behavioral errors and the Feedback Related Negativity to reward prediction violations. *Psychophysiology, 48*(2), 218-228.

Conference Contributions (Peer-Reviewed)

- Kamp, S.-M.,** Döring, J., Weigl, M., & Mecklinger, A. (2017). Influences of Novelty on Episodic Memory in Aging. *4th International Conference on Aging & Cognition, April 2017*.
- Endemann, R., **Kamp, S.-M.,** Bader, R., & Mecklinger, A. (2016). Does unitization reduce the associative memory deficit in old age? *TEAP 2016*.
- Kamp, S.-M.,** Bader, R., & Mecklinger, A. (2015). ERP subsequent memory effects differ between inter-item and unitization encoding tasks. *22nd Meeting of the Cognitive Neuroscience Society*.
- Kamp, S.-M.,** & Zimmer, H. (2014). The associative memory deficit in aging: An eye-tracking and ERP study. *Psychophysiology, 51*, S14.
- Kamp, S.-M.,** Murphy, A. R., Forester, G. R., & Donchin, E. (2013). An examination of pupil dilation response, P300, Novelty P3, and their relationship to reaction time. *Psychophysiology, 50*, S47.

- Murphy, A. R., **Kamp, S.-M.**, Forester, G. R., & Donchin, E. (2013). ERPs in the P300 BCI: Sensitivity to Matrix Size and Task. *Proceedings of the 5th International BCI Meeting, June 2013*.
- Lebanoff, L., **Kamp, S.-M.**, Arbel, Y., & Donchin, E. (2013). Effects of redundant feedback on the response-related ERN. *20th meeting of the Cognitive Neuroscience Society*.
- Sadeq, N., Goodwin, C., Cadena, E., **Kamp, S.-M.**, & Donchin, E. (2013). Subsequent memory effects in frontal slow waves elicited by emotional words. *20th meeting of the Cognitive Neuroscience Society*.
- Kiley, C., **Kamp, S.-M.**, & Donchin, E. (2013). The effect of output position on the P300 subsequent memory effect elicited by the first word in a study list. *20th meeting of the Cognitive Neuroscience Society*.
- Kamp, S.-M.**, & Donchin, E. (2012). Pupil dilation response and P300 in an oddball paradigm with three stimulus types. *Psychophysiology, 49, S43*.
- Forester, G., **Kamp, S.-M.**, & Donchin, E. (2012). Effects of ISI variability and response type on P300 latency jitter in an oddball task. *Psychophysiology, 49, S43*.
- Kamp, S.-M.**, Forester, G., Murphy, A. R., & Donchin, E. (2012). Comparing the neural correlates of the Primacy effect and the Von Restorff effect in free recall - An ERP study. *19th meeting of the Cognitive Neuroscience Society*.
- Kamp, S.-M.**, Miller, M. P. & Donchin, E. (2011). Is it exclusively a P300 speller? An investigation of the componential structure of event-related potentials in the P300 based brain-computer interface. *Annual Meeting of the Society for Neuroscience, Nov 2011*.
- Forester*, G. R., **Kamp, S.-M.**, Brumback, T. & Donchin, E. (2011). The effects of temporal expectancy and task type on the P300 in an oddball paradigm. *Psychophysiology, 48, S79*.
- Kamp, S.-M.**, Gruber*, A., Sadeq*, N., Forester*, G. & Donchin, E. (2011). The effects of physical distinctiveness and emotional distinctiveness on recall – A subsequent memory study. *18th meeting of the Cognitive Neuroscience Society*.
- Miller, M. P., **Kamp, S.-M.** & Donchin, E. (2011). P300 vs. frontal positivity for brain-computer interface speller classification. *18th meeting of the Cognitive Neuroscience Society*.
- Kamp, S.-M.**, & Donchin, E. (2010). Comparing the Von Restorff effect and the word frequency effect on free recall: A subsequent memory study. *Psychophysiology, 47, S45*.
- Kamp, S.-M.**, Miller, M. P. & Donchin, E. (2010). Classification accuracy of the P300 based BCI depends on the location of the target character in the matrix. *4th international BCI Meeting, May/June 2010*.
- Kamp, S.-M.**, Brumback, T., Arbel, Y., & Donchin, E. (2009). Does target letter position affect ERP amplitudes and classification accuracy in the P300 based BCI? Implications of a Principal Component Analysis. *Psychophysiology, 46, S105*.
- Brumback, T., **Kamp, S.-M.**, Goldman, M. S., & Donchin, E. (2009). An examination of the effect of alcohol context pre-exposure on ERPs elicited by alcohol-related sentences. *Psychophysiology, 46, S138*.
- Kamp, S.-M.**, Potts, G. F., Martin, L. E., & Donchin, E. (2008). Comparison of the error-related negativity and the medial frontal negativity: A principal component analysis. *Psychophysiology, 45, S42*.

Teaching

Trier University

- Summer 2018 Neuro-Cognition and the Problem of Free Will (Masters-Level Seminar)
Winter 2017/2018 Behavior Observation (Bachelors-Level Seminar)
Summer 2017,
Winter 2017/2018 Critical Scientific Reading (Bachelors-Level Seminar)

SRH University Heidelberg

- February - April 2017 Biological Psychology: Psychophysiological Research Methods (Bachelors-Level Seminar)
January - March 2017 General Psychology II (Bachelors-Level Seminar)

Saarland University

- Winter 2016/2017 Event-Related Potentials (Masters-Level Seminar)
September 2013 -
August 2015 Journal Club of the Graduate College "Adaptive Minds" (Seminar for PhD students)

University of South Florida, Tampa, USA

- spring 2011 Physiological Psychology (Bachelors-Level Lecture)
fall 2010 Psychological Statistics (Bachelors-Level Lecture)
spring 2010 Research Methods in Psychology (Bachelors-Level Practice)
fall 2009 Psychological Statistics (Bachelors-Level Practice)

Mentoring

- September 2017- **Mentoring-Programme of the Office of Gender Equality at Trier University**
Mentor of a PhD student

2011-2013 **Big Brothers Big Sisters Tampa Bay**
"Big Sister"