Sarah Starosta, PhD

Contact

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Academic education

05/2016, ongoing	**Postdoctoral Fellow, Prof. Dr. Adam Kepecs** Cold Spring Harbor Laboratory, New York, USA
08/2015– 04/2016	**Postdoctoral Fellow, Prof. Dr. Drs. h.c. Onur Güntürkün** Ruhr-University Bochum, Germany
08/2015	**PhD in Neuroscience** International Graduate School of Neuroscience Ruhr-University Bochum, Germany
05/2011– 08/2015	**PhD Student, Prof. Dr. Drs. h.c. Onur Güntürkün** Ruhr-University Bochum, Germany
10/2008– 03/2011	**Master of Science, Psychology** Ruhr-University Bochum, Germany
08/2009 – 03/2010	**Studies abroad** University La Sapienza, Rom, Italy
10/2005 – 09/2008	**Bachelor of Science, Psychology** Ruhr-University Bochum, Germany

Funding

Ongoing	Postdoctoral Fellowship of the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG)
2014/2015	Young Scientist Research Funding; DFG Research Unit “Extinction learning”: “Influence of reward expectancy on the context specificity of learning”
2012/2013	Conference funding for the meeting of the „Society of Neuroscience“ in San Diego (2013) and New Orleans (2012) by the Research School Plus and the rectorate of the Ruhr-University Bochum, Germany
08/2009 – 04/2010	Erasmus scholarship

Publications

2013-2017

Starosta, S., Bartetzko, I., Stüttgen, M. C., Güntürkün, O. Integration of contextual cues into memory depends on “prefrontal” N-methyl-D-aspartate receptors. Neurobiol .Learn. Mem. 2017 (144), doi.org/10.1016/j.nlm.2017.05.012

Starosta, S., Uengoer, M., Bartetzko, I., Lucke, S., Güntürkün, O., Stüttgen, M. C., Context specificity of both acquisition and extinction of a Pavlovian conditioned response. Learn. Mem. 2016 (23), doi:10.1101/lm.043075.116

Kasties, N., **Starosta, S.**, Güntürkün, O., Stüttgen, M. C., Neurons in the pigeon caudolateral nidopallium differentiate Pavlovian conditioned stimuli but not their associated reward value in a sign-tracking paradigm. Sci Rep. 2016 (20), doi: 10.1038/srep35469

Starosta, S., Stüttgen, M. C., Güntürkün, O., Recording Single Neurons' Action Potentials from Freely Moving Pigeons Across Three Stages of Learning. J. Vis. Exp. 2014 (88), doi:10.3791/51283

Stüttgen, M.C., Kasties, N., Lengersdorf, D., **Starosta, S.**, Güntürkün, O., Jäkel, F., Suboptimal criterion setting in a perceptual choice task with asymmetric reinforcement, Behav. Process. 2013 (96), dx.doi.org/10.1016/j.beproc.2013.02.014

Starosta, S., Güntürkün, O., Stüttgen, M.C., Stimulus-Response-Outcome Coding in the Pigeon Nidopallium Caudolaterale. PLoS ONE. 2013 8(2), doi:10.1371/journal.pone.0057407

Invited talks

04/2015

Meeting of the German Society of Neuroscience, Göttingen, Germany: „Dynamic coding patterns in single units of the forebrain across three stages of learning“

02/2014

Meeting of the Research Group “Extinction Learning”, Herne, Germany: „Single-unit recordings in freely moving animals during acquisition, extinction, and renewal“

07/ 2013

Colloquium of the comparative psychology group, Heinrich Heine University Düsseldorf, Germany: „Single neuron response patterns across three stages of learning“

Teaching

02/2016

Lecture „Extinction learning in the clinic“

2013, 2014, 2015

Instructor – “Introduction to programming in MATLAB”

2013

Instructor – “Introduction to experimental design in psychology”

2009/2010

Teaching Assistant – “Introduction to Neuroanatomy”
Teaching Assistant – “Principles of Learning””