



# **Dr. Laura Berg**

**Postdoctoral student**

**Biology and Chemistry, Synthetic Biology,  
University of Bremen, Leobenerstraße 5,  
D-28359 Bremen**

**Tel: 0421 218 62966**

**E-Mail: [Laura.Berg@rub.de](mailto:Laura.Berg@rub.de)**

Laura Berg studied “Biological Science” at the Westfälische Wilhelms-University in Münster from 2011 to 2014 and afterwards Biology with the main emphasis in Neurobiology at the Ruhr-University Bochum until 2016. With the Master of Science Laura started a graduation program at the International Graduate School in Neuroscience at the Ruhr-University Bochum in 2016. The dissertation with the title “Imbalance of excitation and inhibition within the prefrontal cortex supports anxiety behavior” is expected to be successfully finished in December 2019.

During her dissertation, Laura was working in the group of Prof. Dr. Olivia Masseck in Bochum and later in Bremen in the department of “Synthetic Biology”. She is investigating the influence of the neurotransmitter serotonin on the development and manifestation of anxiety disorders in the mouse model. Within this project, she supervised several students during their master or bachelor theses.

Laura visited several conferences actively, as for example the Optogen 2017 in Lecce, Italy, where she won the poster prize from Elsevier. Afterwards she presented her work as a poster at the SfN in San Diego, California in 2018. Since 2019 she works as a volunteer for the Commission for animal ethics at the LANUV NRW. Laura successfully finished the FELASA category B and C course at the Ruhr-University.

In December 2019, Laura finished her PhD with the thesis “Imbalance of excitation and inhibition within the prefrontal cortex supports anxiety behavior” at the Ruhr-University in Bochum.

In 2019 she published her first article in the journal PLoS One:

Berg, L., Eckardt, J. Masseck, O. M. 2019. „Enhanced activity of pyramidal neurons in the infralimbic cortex drives anxiety behavior”. *PLoS ONE* 14(1): e0210949