

Daria MOZHEIKO

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Education

PhD Neuroscience, ENS/CdF, Paris, France, supervisor: Dr. Nathalie Rouach (Oct 2021 - Present)

Thesis: The role of astrocytes in neurotransmission in mice and humans.

MSc Experimental and Clinical Neurosciences, University of Regensburg, Germany (2019 - 2021)

Thesis: Activity of astrocytic connexin hemichannels in physiological state and following cocaine sensitization.

BA Psychology, LCC International University, Lithuania (2012-2013; 2018-2019)

Thesis: Getting to the Heart of Emotion Recognition: The Relationship between the Heart Rate Variability and Emotion Recognition Ability.

Scholarships and Awards

QLife PhD fellowship awarded to 2 PhD students annually, providing funding for 3 years (2021-2024)

Erasmus+ Scholarship granted for conducting final masters' internship (Jan 2021-Sep 2021)

Deutschland Stipendium awarded for 2 consecutive years, Regensburg University (2019-2021)

Honors Student, LCC International University (Fall – Spring 2012; Fall 2013)

Honors Student with Special Distinction, LCC International University (Spring 2013; 2018-2019)

Department scholarship, LCC International University (2013)

Publications

Cheung G, Bataveljic D, Visser J, Kumar N, Moulard J, Dallérac G, **Mozheiko D**, Rollenhagen A, Ezan P, Mongin C, Chever O, Bemelmans AP, Lübke J, Leray I, Rouach N. Physiological synaptic activity and recognition memory require astroglial glutamine. *Nat Commun.* 2022 Feb 8;13(1):753.
doi: 10.1038/s41467-022-28331-7. PMID: 35136061; PMCID: PMC8826940.

Conference Proceedings and Talks

French Club of Glial Cells meeting; **Poster** "Role of astrocytes in cocaine sensitization." (Oct 2022)

Federation of European Neuroscience Societies Forum; **Poster** "Physiological synaptic activity and recognition memory require astroglial glutamine." (July 2022)

Satellite event of the FENS Forum 2022, From Glia Cell Functions to Brain Disfunctions; **Talk** "Role of astrocytes in cocaine sensitization."

Research Experience

Master Thesis Internship, Neuroglial Interactions in Physiopathology, College de France (Feb 2021 – Sep 2021)

- Studied the role of astroglial protein Cx30 in glutamine shuttling and adaptations following cocaine exposure

Student Research Assistant, Department of Psychiatry and Psychotherapy, University Hospital Regensburg, Lab of Dr. Barbara Di Benedetto (May – Dec 2020)

- Investigated regulation of neuroglial receptor/ligand complex, EphA/ephrinA, on epigenetic level in patients with major depressive disorder (ex-vivo).

Research Internship, Department of Behavioural & Molecular Neurobiology, University of Regensburg, Lab of Dr. Inga D. Neumann (Oct – Nov 2020)

- Assessed the involvement of non-coding RNAs in social fear and extinction in animal models of social stress

Research Internship, Department of Neurosurgery, University Hospital Regensburg (June – Aug 2020)

- Utilizing fMRI data of patients with glioblastoma multiforme (GBM), studied how GBM influences BOLD signal

Research Internship, Department of Psychiatry and Psychotherapy, University Hospital Regensburg, Lab of Barbara Di Benedetto (Feb – March 2020)

- Studied differential regulation of neuron/glia ephrinA/EphA system at epigenetic level in health and in animal models of major depressive disorder

Research Skills

- **Molecular tools:** digital droplet PCR, immunohistochemistry, western blotting, immunoprecipitation
- **Imaging techniques:** 2 photon, STED, confocal microscopy

Teaching Experience and Public Outreach

Friday Seminar Series, CIRB, College de France; organized weekly institute wide talks (Sep 2021 - present)

International Master in Neurodegenerative diseases, ICM; gave a lecture on development and physiology of astrocytes (2022).

Clinical Intern, Klaipeda Seamen's Hospital, Lithuania (January 2019 – May 2019)

- Assessed the patients and conducted clinical interviews (supervised by an onsite psychotherapist), conducted relaxation sessions and educated the patients about their health condition and self-care strategies.