

DANIELA ANNI

PERSONAL DETAILS

Date of birth: 26/04/1989

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CURRENT POSITION

3/2021 - current

Postdoctoral Researcher

Verona, Italy

University of Verona, Department of Neurosciences, Biomedicine and Movement Sciences

EDUCATION

10/2016 - 08/2020

Erlangen, Germany

Dr. rer. nat (Ph.D.) in Molecular Neurobiology

University of Erlangen-Nuremberg (FAU)

Thesis: Regulation of presynaptic plasticity by APP/A β -derived fragments

Final grade: magna cum laude

09/2012 - 07/2014

Cagliari, Italy

Master's Degree in Neuropsychobiology

University of Cagliari

Thesis: GABAB knock-out mice: an experimental model to study the effects of ethanol in the central nervous system

Final grade: 110/110 cum laude

09/2008 - 11/2012

Cagliari, Italy

Bachelor's Degree in Biology

University of Cagliari

Thesis: Projection of infralimbic and prelimbic areas of the prefrontal cortex to the nuclei of the forebrain

Final grade: 107/110

09/2010 - 06/2011

Madrid, Spain

Erasmus

The Autonomous University of Madrid

TECHNICAL SKILLS

LABORATORY

- Preparation of primary neuronal cultures
- Culture and transfection of HEK293T cells
- Nucleic acid extraction and purification
- Lentiviral vector production and transduction of neurons
- PCR, RT-PCR, qPCR, gel electrophoresis
- Western blot
- ELISA
- Immunocytochemistry/Immunohistochemistry
- Live-cell fluorescence imaging
- Fluorescence microscopy
- Whole-cell patch clamp
- Drug administration/behavioural tests in mice

SOFTWARE

- ImageJ, OpenView, GraphPad Prism, Axon pClamp, ImageStudio, VisiView, NIS-elements
- Microsoft Office Pack, Adobe Illustrator and Photoshop

PUBLICATIONS

1. Zeitler S, Schumacher F, Monti J, **Anni D**, Guhathakurta D, Kleuser B, Friedland K, Fejtová A, Kornhuber J, Rhein C. Acid Sphingomyelinase Impacts Canonical Transient Receptor Potential Channels 6 (TRPC6) Activity in Primary Neuronal Systems. *Cells*. 2020 Nov 18;9(11):E2502. doi: 10.3390/cells9112502. PMID: 33218173.
2. Montenegro-Venegas C, Fienko S, **Anni D**, Pina-Fernández E, Frischknecht R, Fejtova A. Bassoon inhibits proteasome activity via interaction with PSMB4. *Cell Mol Life Sci*. 2020 Jul 10. doi: 10.1007/s00018-020-03590-z. Epub ahead of print. PMID: 32651614.
3. Lazarevic V, Fieńko S, Andres-Alonso M, **Anni D**, Ivanova D, Montenegro-Venegas C, Gundelfinger ED, Cousin MA, Fejtova A. Physiological Concentrations of Amyloid Beta Regulate Recycling of Synaptic Vesicles via Alpha7 Acetylcholine Receptor and CDK5/Calcineurin Signaling. *Front Mol Neurosci*. 2017 Jul 21;10:221. doi: 10.3389/fnmol.2017.00221. PMID: 28785201; PMCID: PMC5520466.

POSTERS

- 1 The N terminal β -amyloid fragment increases presynaptic release probability. **Daniela Anni**, Anna Fejtová. Summer Retreat GRK 2162. Erlangen, Germany (2019).
- 2 Physiological levels of amyloid beta regulate presynaptic function. **Daniela Anni**, Maria Andres-Alonso, Vesna Lazarevic, Anna Fejtová. First international GRK 2162 symposium/ FENS Forum 2018. Erlangen/Berlin, Germany (2018).
- 3 Physiological regulation of synaptic plasticity by A β and related APP-derived fragments. **Daniela Anni**, Maria Andres-Alonso, Yulia Klyueva, Eneko Pinna, Anna Fejtová. Retreat GRK 2162. Lichtenfels, Germany (2017).
- 4 Voluntary assumption of ethanol and gene expression of the receptor GABAA in GABAB knock-out mice. G. Floris, L. Contu, **D. Anni**, S. Traversari, G.P. Asuni, A.L. Cappai, D. Isola, P. Follesa. 26th National Congress of the Italian Society of Neuropharmacology. Turin, Italy (2014).

TEACHING EXPERIENCE

- **Teaching assistant**, University Hospital Erlangen, Department of Psychiatry and Psychotherapy. Responsible for carrying out practical training courses in Molecular Neurobiology: modern methods in basic neuroscience research: 18-22/09/2017; imaging neurotransmitter release: α Syt1-cypHer: 19 - 23/03/2018.
- **Supervisor**, University Hospital Erlangen, Department of Psychiatry and Psychotherapy. Responsible for the supervision and teaching of M.Sc. students in Molecular Medicine: 09/2017 - 08/2018; 03/2020 - 04/2020.

VOLUNTEER EXPERIENCE

- Production of **face masks during the COVID-19 pandemic**, Department of Materials Science and Engineering, Erlangen, 03/2020.

PROFESSIONAL MEMBERSHIP

- Member of the research training group **GRK 2162 Neurodevelopment and Vulnerability of the Central Nervous System**, Erlangen, 03/2017 - 05/2020.