

C U R R I C U L U M V I T A E

PERSONAL DETAILS

Dr. Andreas Fulterer
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Date and place of birth: October 18, 1984 in Stuttgart, Germany

personal status: not married



WORK EXPERIENCE

12/2017 – today Head of the Optical Microscopy department of the core facility BioSupraMol / Researcher at the FU Berlin, Institute of genetics

04/2013 – 07/2017 research fellow at the FU Berlin, Institute of genetics

- Administration and technical assistance for the light microscopy unit of the BioSupraMol Core Facility of the FU Berlin.
- Involved in drafting grant applications and representation of the Core Facility and the workgroup
- Involved in establishing a new data-management hub in cooperation with the Zuse Institute Berlin (ZIB)
- Widefield-microscopy, confocal Laser Scanning microscopy, multiphoton microscopy, SynaptopHluorin live imaging in adult Drosophila brains, Calcium-sensing (GCamp) in living adult Drosophila brains. Stimulated Emission Depletion microscopy
- Drosophilagenetics (fly pushing), preparation of adult and larval Immunofluorescence samples
- protein-purification and analysis (Isolation/Western-Blot / IF-Analysis etc.)
- PCR. Cloning and Vectortransformation of chemically competent bacteriam plasmid isolation etc.
- Elektrophysiology: Established a Patch-Clamp setup for living adult Drosophila
- FEI Amira, ImageJ/Fiji, LAS, ZEN, SVI Huygens, Autoquant X2, Graphpad Prism, Adobe Photoshop, Microsoft Office
- IT management for the workgroup

TECHNICAL SKILLS:

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| Microscopes | Leica TCS SP5, Leica TCS SP8, Leica TCS SP8-X, Leica TCS SP8 MP, Leica TCS SP5 gated STED, Leica TCS SP8 STED 3x, Zeiss LSM7 MP |
| Software | Microsoft Office, FEI Amira, ImageJ/Fiji, LAS, ZEN, Graphpad Prism, Adobe Photoshop, SVI Huygens, Autoquant X2 |

LANGUAGES

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| German | native speaker |
| English | excellent |
| French | satisfactory |

PUBLICATIONS

- Desmoulin SK1, Wang Y, Wu J, Stout M, Hou Z, **Fulterer A**, Chang MH, Romero MF, Cherian C, Gangjee A, Matherly LH. Targeting the proton-coupled folate transporter for selective delivery of 6-substituted pyrrolo[2,3-d]pyrimidine antifolate inhibitors of de novo purine biosynthesis in the chemotherapy of solid tumors. *Mol Pharmacol*. 2010 Oct;78(4):577-87. doi: 10.1124/mol.110.065896. Epub 2010 Jul 2.
- Mahadeo K1, Diop-Bove N, Shin D, Unal ES, Teo J, Zhao R, Chang MH, **Fulterer A**, Romero MF, Goldman ID. Properties of the Arg376 residue of the proton-coupled folate transporter (PCFT-SLC46A1) and a glutamine mutant causing hereditary folate malabsorption. *Am J Physiol Cell Physiol*. 2010 Nov;299(5):C1153-61. doi: 10.1152/ajpcell.00113.2010. Epub 2010 Aug 4.
- Wang L1, Desmoulin SK, Cherian C, Polin L, White K, Kushner J, **Fulterer A**, Chang MH, Mitchell-Ryan S, Stout M, Romero MF, Hou Z, Matherly LH, Gangjee A. Synthesis, biological, and antitumor activity of a highly potent 6-substituted pyrrolo[2,3-d]pyrimidine thienoyl antifolate inhibitor with proton-coupled folate transporter and folate receptor selectivity over the reduced folate carrier that inhibits β -glycinamide ribonucleotide formyltransferase. *J Med Chem*. 2011 Oct 27;54(20):7150-64. doi: 10.1021/jm200739e. Epub 2011 Sep 22.
- Gupta VK, Pech U, Bhukel A, **Fulterer A**, Ender A, Mauermann SF, Andlauer TF, Antwi-Adjei E, Beuschel C, Thriene K, Maglione M, Quentin C, Bushow R, Schwärzel M, Mielke T, Madeo F, Dengel J, Fiala A, Sigrist SJ. Spermidine Suppresses Age-Associated Memory Impairment by Preventing Adverse Increase of Presynaptic Active Zone Size and Release. *PLoS Biol*. 2016 Sep 29;14(9):e1002563. doi: 10.1371/journal.pbio.1002563. eCollection 2016 Sep.
- Andreas Fulterer**, Till F. M. Andlauer, Anatoli Ender, Marta Maglione, Katherine Eyring, Jennifer Woitkuhn, Martin Lehmann, Tanja Matkovic, Joerg Geiger, Alexander M. Walter, Katherine Nagel, Stephan J. Sigrist. Active zone scaffold protein ratio tunes functional diversity across brain synapses. *Cell reports* “accepted in principle”