

Curriculum Vitae

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Education

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| 2002 - 2005 | D.Phil., Pharmacology
Oxford University, Oxford, UK |
| 2003 - 2005 | Visiting Student, Biology & Applied Physics
Stanford University, Stanford, CA |
| 1996 - 2002 | Dipl. Ing. Electrical Engineering, Physical Electronics
University of Stuttgart, Germany |
| 1988 - 1990 | PhyTA ¹
Gewerbliche Schule Tübingen, Germany |

Research & Professional Experience

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| 2006-present | Director Research Operations, Schnitzerlab, Department of Biological Sciences, Stanford University. Stanford, CA. |
| 2003 - 2005 | D.Phil. Research with Mark Schnitzer, Department of Applied Physics and Department of Biological Sciences, Stanford University. Stanford, CA. |
| 2002 - 2005 | Graduate Student, Department of Pharmacology, Oxford University, Oxford, UK |
| 2003 - 2005 | Visiting Student, Department of Applied Physics and Department of Biological Sciences, Stanford University. Stanford, CA. |
| 2002 | Bell Laboratories, Lucent Technologies, Consulting Scientist |
| 2001 | Bell Laboratories, Lucent Technologies, Scientific Internship, Supervisor: Mark Schnitzer |
| 1993 - 2002 | Foundation of a company: Production of Silicone Matrices |
| 1990 - 2002 | Max-Planck Institute for Developmental Biology, Tübingen, Germany
Department of Physical Biology, Director: Friedrich Bonhoeffer
employed as a PhyTA |

¹**Physikalisch Technischer Assistent**, german professional education as a physics research technical associate

Publications

- [1] Loeschner J, Bandtlow CE, Jung J, Klostermann S, Schwab ME, Bonhoeffer F, Kater SB. "Retinal axons growth cone response to different environmental cues are mediated by different second-messenger systems". (1997) *J. Neurobiology* 33(6): p. 825-34.
- [2] Rosentreter SM, Loeschinger J, Huf J, Jung J, Bonhoeffer F. "Response of retinal ganglion cell axons to stripes linear gradients of repellent guidance molecules". *J. Neurobiology*, (1998). 37(4): p. 541-62.
- [3] Jung JC, Schnitzer MJ. Multiphoton endoscopy, (2003) *Optics Letters*, 28(11): p. 902-904.
- [4] Jung JC, Mehta A., Schnitzer MJ. In vivo imaging of mammalian neurons in deep brain tissue. (2003) Bell Laboratories Technical Memoranda.
- [5] Jung JC, Metha AD, Aksay E, Stepnoski R, Schnitzer MJ. "*In vivo* mammalian brain imaging using one- and two-photon fluorescence microendoscopy", (2004) *J. Neurophysiology* 92: p. 3121-3133
- [6] Metha AD, Jung JC, Flusberg BA, Schnitzer MJ. "Fiber optic *in vivo* imaging in the mammalian nervous system" (2004) *Current Opinion in Neurobiology* 14: p. 617-628
- [7] Flusberg BA, Jung JC, Cocker ED, Anderson EP, and Schnitzer MJ" *In vivo* brain imaging using a portable 3.9 gram two-photon microendoscope" (2005) *Optics Letters*, 30(17): p. 2272-2274
- [8] Monfared A, Blevins NH, Cheung ELM, Jung JC, Popelka G, Schnitzer MJ. "Fluorescence Microendoscopy of Mammalian Cochlear Blood Flow" (2005) *Otology & Neurotology*, 27, p. 144-152
- [9] Flusberg BA, Piyawattanametha W, Cocker ED, Jung JC, Cheung ELM and Schnitzer MJ " Fiber optic fluorescence imaging" (2005) *Nature Methods*, 2, p. 941-950