Prof. Dr. Claudia Veigel

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Qualifications and Awards:

1992	Medicine and Approbation, Universities of Tübingen and Heidelberg, D
1990	MD/PhD in Physiology Tübingen, D
1983 - 1989	*German National Merit Foundation,* D
1995 - 1999	Fellowships by *EMBO*, *Boehringer-Ingelheim* and *British Heart Foundation,* UK
1999 - 2007	*Royal Society University Research Fellowship,* UK

Positions:

1995 - 1999	Postdoctoral fellow, Biology Department, University of York, UK
1999 - 2002	Group leader and *Royal Society University Research Fellow,* University of York, UK
2002 - 2010	Group leader and *Royal Society University Research Fellow*, Division of Physical Biochemistry MRC-NIMR, London (tenure since 2004), UK
2010 –	W3-Professor for Physiology (chair) at Ludwig-Maximilians-University München, D

Recent Funding: German-Research-Foundation, Baur-Foundation, State-of-Bavaria ~1.2 Mio Euro since 2020

Selected Publications

1. Rogez B., Würthner L., Petrova A. B., Zierhut F. B., Saczko-Brack D., Huergo M., Batters C., Frey E., and Veigel C. (**2019**). Reconstitution reveals how myosin-VI self-organises to generate a dynamic mechanism of membrane sculpting. *Nature Commun* **10**: no 3305.
2. Saczko-Brack D., Warchol E., Rogez B., Kröss M., Heissler S.M., Sellers J.R., Batters C. and Veigel C. (**2016**). Self-organization of actin networks by a monomeric myosin. *PNAS* **113**: E8387-E8395
3. Batters C., Brack D., Ellrich H., Averbeck B. and Veigel C. (**2016**). Calcium can mobilize and activate myosin-VI. *PNAS* **113**: E1162-E1169.
4. Batters C. and Veigel C. (**2016**). Mechanics and activation of unconventional myosins. *Traffic* **17**: 860-871.
5. Batters C., Ellrich H., Helbig C., Woodall K.A., Hundschell C., Brack D. and Veigel C. (**2014**). Calmodulin regulates dimerization, motility and lipid binding of Leishmania myosin XXI. *PNAS* **111**: E227-E236
6. Veigel C. and Schmidt C.F. (**2011**). Moving into the cell: single-molecule studies of molecular motors in complex environments. *Nature Rev Mol Cell Bio* **12**: 163–176.
7. Sellers J.R. and Veigel C. (**2010**). Direct observation of the myosin-Va power stroke and its reversal. *Nature Struct Mol Biol* **17**: 590-595.
8. Veigel C., Schmitz S., Wang F., and Sellers J.R. (**2005**). Load-dependent kinetics of myosin-V can explain its high processivity. *Nature Cell Biol* **7**: 861–869.
9. Veigel C., Molloy J.E., Schmitz S. and Kendrick-Jones J. (**2003**). Load-dependent kinetics of force production by smooth muscle myosin measured with optical tweezers. *Nature Cell Biol* **5**: 980–986.
10. Veigel C., Wang F., Bartoo M.L., Sellers J.R. and Molloy J.E. (**2002**). The gated gait of the processive molecular motor, myosin V. *Nature Cell Biol* **4**: 59–65.