



## Sylvia Fechner

Postdoctoral Research Fellow, Molecular and Cellular Physiology

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Rheinische Friedrich-Wilhelms-Univ (2012)
- Diplom, Rheinische Friedrich-Wilhelms-Univ (2008)

#### STANFORD ADVISORS

- Miriam Goodman, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **A K(+)-selective CNG channel orchestrates Ca(2+) signalling in zebrafish sperm.** *eLife*  
Fechner, S., Alvarez, L., Bönigk, W., Müller, A., Berger, T. K., Pascal, R., Trötschel, C., Poetsch, A., Stölting, G., Siegfried, K. R., Kremmer, E., Seifert, R., Kaupp, et al  
2015; 4
- **Synaptic Communication upon Gentle Touch.** *Neuron*  
Fechner, S., Goodman, M. B.  
2018; 100 (6): 1272–74
- **Physiological evidence of sensory integration in the electrosensory lateral line lobe of *Gnathonemus petersii*** *PLOS ONE*  
Fechner, S., Grant, K., von der Emde, G., Engelmann, J.  
2018; 13 (4): e0194347
- **A Hyperpolarization-Activated Proton Channel in Zebrafish Sperm**  
Seifert, R., Wobig, L., Wolfenstetter, T., Fechner, S., Boenigk, W., Koerschen, H., Kaupp, U., Berger, T.  
CELL PRESS.2018: 379A
- **Characterization of DEGT-1: A DEG/ENaC/ASIC Ion Channel Subunit Involved in Touch Sensation**  
Fechner, S., Loizeau, F., Nekimken, A. L., D'Alessandro, I., Pruitt, B. L., Goodman, M. B.  
CELL PRESS.2018: 157A
- **Microfluidics for mechanobiology of model organisms.** *Methods in cell biology*  
Kim, A. A., Nekimken, A. L., Fechner, S., O'Brien, L. E., Pruitt, B. L.  
2018; 146: 217–59