

# Stanford

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## Mark Wagner

Postdoctoral Research Fellow, Biology

### Bio

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#### PROFESSIONAL EDUCATION

- Harvard University (2008)
- Doctor of Philosophy, Stanford University , NEURS-PHD (2014)
- Bachelor of Arts, Harvard University , Engineering (Biomedical) (2008)

#### STANFORD ADVISORS

- Liqun Luo, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Cerebellar granule cells encode the expectation of reward** *NATURE*  
Wagner, M. J., Kim, T. H., Savall, J., Schnitzer, M. J., Luo, L.  
2017; 544 (7648): 96-?
- **Imaging neural spiking in brain tissue using FRET-opsin protein voltage sensors** *NATURE COMMUNICATIONS*  
Gong, Y., Wagner, M. J., Li, J. Z., Schnitzer, M. J.  
2014; 5
- **Imaging neural spiking in brain tissue using FRET-opsin protein voltage sensors.** *Nature communications*  
Gong, Y., Wagner, M. J., Zhong Li, J., Schnitzer, M. J.  
2014; 5: 3674-?
- **Shared Internal Models for Feedforward and Feedback Control** *JOURNAL OF NEUROSCIENCE*  
Wagner, M. J., Smith, M. A.  
2008; 28 (42): 10663-10673
- **Spaticitemporal linear decoding of brain state** *IEEE SIGNAL PROCESSING MAGAZINE*  
Parra, L. C., Christoforou, C., Gerson, A. D., Dyrholm, M., Luo, A., Wagner, M., Philiastides, M. G., Sajda, P.  
2008; 25 (1): 107-115