

## Tchumatchenko lab, University of Bonn

### The Tchumatchenko lab is looking for Master Students, PhD Students and Postdocs

Master Students, PhD Students or Postdocs interested in understanding how neuronal networks work, how they respond to stimuli and what role connectivity and single neuron dynamics play for the activity of the brain.

Though the focus of my research is on the theory side, my lab has close ties to experimentally oriented labs and **Master projects** could include both theory and experiments. We are looking for bright and hard-working students with a life-science or quantitative background (physics, math, biology etc).

The following **PhD projects** are currently open:

- 1) A project exploring the intersection of protein dynamics and machine learning
- 2) A project designing models describing protein dynamics in dendrites and analyzing imaging data,

<https://jobrxiv.org/job/institute-of-experimental-epileptology-and-cognition-research-university-of-bonn-medical-center-27778-a-phd-position-in-computational-neuroscience/>

The **postdoctoral position** will address the relation between neurological diseases, protein dynamics and network activity.

When applying please attach a CV (with a publication record) and a current copy of academic transcripts and mention at least one academic reference.

For more information, please contact Prof. Tatjana Tchumatchenko via email [tatjana.tchumatchenko@uni-bonn.de](mailto:tatjana.tchumatchenko@uni-bonn.de)  
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