

PhD and postdoc position in the group of Prof. Sacha van Albada at Jülich Research Center

PhD and postdoc opportunities with a focus on the simulation of large-scale biological neural networks are available in the Theoretical Neuroanatomy group led by Prof. Sacha van Albada at Jülich Research Center, Germany (<https://www.fz-juelich.de/en/inm/inm-6/forschung/theoretical-neuroanatomy>). The projects will advance a research program that centers on the full-scale simulation of thalamocortical networks using the simulator NEST.

The postdoc position is available in the context of the Henriette Herz Scouting Program of the Humboldt Foundation, and will be offered to a female candidate. The program is particularly aimed at candidates from countries underrepresented in the Humboldt Foundation. The selected candidate will receive a Humboldt Research Fellowship (<https://www.humboldt-foundation.de/en/apply/sponsorship-programmes/humboldt-research-fellowship>) and define a research project together with Prof. van Albada. The position is available for 24 months for postdocs up to 4 years after the PhD defense and for 18 months for experienced researchers 4-12 years after the PhD defense. The PhD defense should not be more than 12 years ago, and candidates should not have previous or existing links to Germany in terms of study, research stays, or citizenship. Due consideration will be given to any gaps in the CV due to family care or other personal circumstances.

The PhD position is open to candidates regardless of gender. The candidate should have a background in physics, mathematics, computer science, biology (or specifically neuroscience), or engineering. Excellent quantitative and analytical skills are highly valued. We offer a structured program guiding doctoral researchers through the PhD work and plenty of opportunities for local and international collaboration.

The researchers will be embedded in a vibrant research institute (<https://www.csn.fz-juelich.de>). Links also exist to the University of Cologne, so that candidates can gain teaching/tutoring experience.

To apply, please send a motivation letter, CV, and university transcripts and certificates to s.van.albada@fz-juelich.de and to our scientific coordinator Martina Reske (m.reske@fz-juelich.de).