

The Faculty of Mathematical and Natural Sciences I at Humboldt-Universität zu Berlin in cooperation with the Bernstein Center for Computational Neuroscience Berlin (BCCN Berlin) invites applications for a

### **W2-Professorship for Theory of Complex Systems and Neurophysics**

to be established at the Department of Physics with an appointment for 5 years. After 4 years the decision for a permanent appointment at the Department of Physics will be taken.

The appointee is expected to develop theoretical techniques for the analysis of complex neural systems. The research focus will be the understanding of how properties of the constituting neural elements (synapses, neurons) can have an impact on the emergent properties of complex neural systems like in the intact brain. The professorship is expected to extend links between the computationally and experimentally oriented research groups of the Bernstein Center with those of the Departments of Physics and Informatics.

The candidates should have a convincing record in the area of statistical physics and/or nonlinear dynamics with specialization in the dynamics of neural systems. The candidate should be open for an active collaboration with research groups at the Department of Physics also in other fields. The appointee will be actively teaching in the master program on „Computational Neuroscience“ as well as in the basic bachelor courses in theoretical physics and in the master program on macromolecules and complex systems at the Department of Physics.

Applicants must meet the requirements for a university professor as stipulated in § 100 of the Berliner Hochschulgesetz.

Humboldt-Universität zu Berlin seeks to increase the number of female employees in research and teaching and thus, in particular invites qualified female scientists to apply for this vacant position. Physically handicapped persons will be preferred, if they are equally qualified.

Applicants are invited to submit their applications within 3 weeks. The material should be sent in written form to Humboldt-Universität zu Berlin, Dekan der Mathematisch-Naturwissenschaftlichen Fakultät I, Prof. Dr. Schön (Sitz: Newtonstr. 14), Unter den Linden 6, 10099 Berlin by referring to code number PR/026/09 as well as in electronic form to <https://www2.physik.hu-berlin.de/ssl/neurophys/>. Application materials will not be returned. Therefore, applicants are requested to send only copies of the documents.