The Faculty of Physics of the University of Göttingen invites applications for a

**Full Professorship in „Theory of Neuronal Systems“**

(f/m/d) in civil service (BesGr. W3 NBesO) at the Institute for Dynamics of Complex Systems and the Cluster of Excellence „MULTISCALE BIOIMAGING: From Molecular Machines to Networks of Excitable Cells (MBExC)“, to be filled by 1st January 2021.

The professorship is to represent the field of physics of complex systems in research and teaching and to play a major role in shaping the MBExC cluster of excellence. Applicants should be distinguished by internationally outstanding achievements in the theory of complex dynamic systems, especially in aspects of neural systems theory, phase transitions, information theory, learning in artificial neural networks, synaptic dynamics and theory of propagation processes with clear application relevance. Thematically, the professorship is intended to be a bridge between the existing expertise in the field of nonlinear dynamics, biophysics, functional principles of living matter, cellular processes and molecular machines and neuroscience in the Faculty and on the Göttingen Campus. It is intended to offer links to physics as well as to the faculties of biology, medicine, computer science and mathematics, and to complement the expertise of the Campus Institutes Data Science and Dynamics of Biological Networks. The candidate should be ready to closely collaborate with the Max Planck Institutes for Dynamics and Self-Organization, Experimental Medicine, and Biophysical Chemistry, as well as with the Leibniz Science Center „Primate Cognition“. Strong involvement of the candidate in the work and further development of existing and future research consortia is mandatory, especially with the Cluster of Excellence MBExC, and the Collaborative research Centers „Quantitative Synaptology“ and „Cellular Mechanisms of Sensory Information Processing.“ The Göttingen Campus offers a stimulating research environment with its multitude of Collaborative research Centers and the numerous research groups in biophysics, biology, mathematics and informatics as well as medicine.

An appropriate contribution to the research-oriented teaching at the Faculty of Physics on all levels (Bachelor, Master, PhD) is expected.

The requirements for employment are set out in § 25 of the Law on Higher Education of Lower Saxony (NHG) in the currently valid version. The University of Göttingen has the right of appointment. Details will be explained upon request.

Applications from scientists from abroad are expressly welcome. The University of Göttingen strives to increase the proportion of women in areas where women are underrepresented and therefore strongly encourages qualified women to apply. It
also sees itself as a family-friendly university and promotes the compatibility of science/work and family. The University of Göttingen offers support for dual careers. The University has set itself the goal of employing more severely disabled people. Applications from severely disabled persons are given preference if they have the same qualifications. Part-time employment may be possible under certain circumstances.

Interested candidates should send their application including a curriculum vitae, description of their scientific and teaching career, publication list with emphasis on publications with substantial own contributions and certificates no later than 28.09.2020 to the dean of the Faculty of Physics, Prof. Dr. Jörg Enderlein, via electronic web system:

https://lotus1.gwdg.de/uni/upfb/w3_theorie_neuronaler_systeme.nsf/enter

Further information about this position, the Göttingen research campus and the application procedure can be found under https://www.uni-goettingen.de/en/544331.html.

We would like to point out that the submission of an application constitutes consent under data protection law to the processing of your applicant data by us. For more information on the legal basis and use of data, please visit https://www.uni-goettingen.de/en/305223.html.