

At the Faculty of Mathematics and Natural Sciences in the Departments of Biology, Chemistry and
Physics

three W3-Professorships for Nano-Science

have to be filled by **April 1st, 2012.**

(1) **W3 Professor of Cellular Nano-Sciences (Biology)**

The position is integrated in the Biology Department of the faculty. The appointee should demonstrate scientific excellence in a current field of research in the cellular nano-sciences and undertake responsibility for teaching this line of research in the newly established, interdisciplinary bachelor's and master's degree nano-science courses.

Research should focus on the areas of synthetic cell biology, biological nano-devices/ nanostructures or the single molecule analysis of biological systems. Active participation in the research and teaching activities of the cell and molecular biologically orientated research units in the Biology Department is expected.

This professorship is part of the "Ausbauplanung 2012" programme and is equipped with an additional position of a scientist.

(2) **W3 Professor of Functional Nanostructured Materials (Chemistry)**

The position is integrated in the Chemistry Department of the faculty. The appointee should demonstrate scientific excellence in a current field of research in nanochemistry ("bottom-up approach") and is expected to teach General Chemistry as well as to contribute to the newly established, interdisciplinary bachelor's and master's degree nano-science courses.

Candidates are expected to conduct a highly competitive and application-driven research program that complements existing research efforts within the Department of Chemistry. Research emphasis on molecular / metalorganic / electrochemical approaches toward synthesis of nanostructured materials such as nanoparticles or functional polymers will be appreciated.

This professorship is part of the "Ausbauplanung 2012" programme and is equipped with an additional position of a scientist.

(3) **W3 Professor of Computational / Theoretical Nanoscience (Physics)**

The position is integrated in the Physics Department of the faculty. The appointee should demonstrate scientific excellence in a current field of research in the theoretical / computational description of phenomena at the interface between physics with biology and chemistry. He/she is expected to teach theoretical courses in

physics at the undergraduate level as well as to contribute to the newly established, interdisciplinary bachelor's and master's degree nano-science courses.

Candidates are expected to conduct a highly competitive research program that complements existing research efforts within the Department of Physics. Research emphasis on molecular systems at interfaces with relevance for biology and chemistry will be appreciated. Possible focuses of research are, e.g. interactions of large molecules in solution and at interfaces and structure development at interfaces.

For all three positions, co-operation, in particular with the respective other nano-science laboratories within the faculty and with the Max Planck Institutes in Tübingen, will be encouraged. Collaboration in interdepartmental and interfaculty initiatives for research and teaching will also be expected.

Habilitation, or an equivalent qualification, and teaching skills are prerequisites for these positions.

The University is striving to increase the number of women in research and teaching and, therefore, particularly encourages the application of suitably qualified female scientists.

Severely handicapped candidates with equal qualifications will be given special consideration.

Please submit your application electronically with usual records as well as a research and teaching concept by October 15th, 2011 to the Dean of the Faculty of Mathematics and Natural Sciences of the University of Tübingen (dekanat@mnf.uni-tuebingen.de).

MATHEMATISCH-NATURWISSENSCHAFTLICHE FAKULTÄT

