

The Technische Universität München (TUM) - Institute for Advanced Studie (IAS) and the Bavarian NMR Centre (<http://www.bnmrz.org>) is inviting applications for a

## Tenure-track assistant professor (ttW2)

### Computational Methods in Integrated Structural Biology

as **Rudolf Mößbauer Tenure Track Assistant Professorships** at the TUM Institute for Advanced Study (TUM-IAS) under the topic "**Computational Methods for Complex Systems**". **Call deadline: Sep 22, 2014.**

The prospective candidate should have an excellent scientific track record and develop a strong independent research program, complementary to existing activities in the TUM Department of Chemistry and the Bavarian NMR Center. He/she is expected to show interest in local collaborations and commitment to teaching in the TUM Department of Chemistry.

The research profile should include the development and application of **computational methods to combine data from complementary structural biology techniques**. Data from solution and solid state NMR, crystallography, SAXS/SANS, EM etc. are combined in **integrated structural biology** of complex biological macromolecules (i.e. large and dynamic protein complexes and assemblies).

The TUM Department of Chemistry (<http://www.ch.tum.de>) and the Bavarian NMR Centre (<http://www.bnmrz.org>) provide a very well equipped, internationally outstanding research environment. This includes the installation of a 1.2 GHz NMR Spectrometer at BNMRZ in the near future and access to crystallography, electron microscopy, in-house SAXS, on-site SANS and biophysical techniques. Excellent access to high-performance computing is available at the Leibniz Rechenzentrum on campus.

Research groups at TUM and in the Munich area provide a unique, collaborative environment where complementary methods and expertise are combined to tackle important and challenging biomolecular systems. The CiPSM Cluster of Excellence and various local network grants SFBs (i.e. SFB1035) and graduate programs provide ample opportunities for support and scientific interactions.

Candidates must fulfill the **mobility requirement** for the Marie Curie COFUND program of the EU, i.e., have no more than 12 months residence and/or employment in Germany in the last three years.

Further information is available at <http://www.tum-ias.de>

For inquiries please contact [michael.sattler@tum.de](mailto:michael.sattler@tum.de).