

Post-Doctoral Research Positions

Job Description: We have 2-3 post-doctoral research positions for a duration of 2+1 years. The earliest starting time is Sep 2016. Theoretical condensed matter physics. Our current research bridges several disciplines of condensed matter physics that includes, for example, ***atomic-molecular-optical physics, quantum materials, topological and exotic phases of matter***. Generally speaking, we are interested in quantum mechanical properties of condensed matter systems and in experiments that can have fundamental impact. The current research focuses on quantum materials, frustrated magnetism, spin liquids, topological phase of matter and various strongly correlated physics. The research covers topics like novel quantum phase of matter, quantum magnetism, frustrated systems, quantum spin ice, strong spin-orbit coupled systems, correlated electron systems, Weyl semimetal, topological insulator, transition metal oxide interfaces, quasi-one-dimensional systems, iridate, nickelates, iron-based superconductors, rare-earth magnets, itinerant frustration, as well as some unique quantum many-body problem in ultracold atomic systems.

We are looking for candidates with backgrounds in basics of quantum chemistry, or, solid-state physics, or, quantum many-body physics. Candidates with numerical background are strongly encouraged to apply. We offer internationally competitive salaries and benefits, and a generous travel grant to encourage collaboration and interaction with physicists from around the world. Interested candidates please send a cover letter, a CV, a past research record and a research proposal with three recommendation letters to Dr. Gang Chen <gchen_physics@fudan.edu.cn>