

Moore Postdoctoral Scholars (Associate Specialists) in Quantum Materials Theory

KAVLI INSTITUTE FOR THEORETICAL PHYSICS

Kohn Hall

University of California, Santa Barbara

Santa Barbara, CA 93106-4030

Inquiries to Leon Balents (balents@kitp.ucsb.edu)

The Kavli Institute for Theoretical Physics (KITP) seeks applicants for Moore Postdoctoral Scholar positions in quantum materials theory. This postdoctoral program is part of the Gordon and Betty Moore Foundation's Emergent Phenomena in Quantum Systems initiative (EPiQS). The successful applicants will be independent researchers appointed as Associate Specialists at the postdoctoral level, starting September 1, 2015, with appointments up to three years.

The KITP's purpose is to contribute to the progress of theoretical physics, especially in areas overlapping the traditional subfields, in ways that are not easily realized in existing institutions. The scientific work is carried out by approximately 70 members, including the director, deputy directors, 5 permanent members, 15 researchers at the postdoctoral level, and 60 visiting senior members. KITP permanent members and postdoctoral fellows are active in all areas of theoretical physics, including condensed matter and materials physics. Most visiting members are participants in programs that last 2-4 months; there are at least ten programs per year. Current and future programs include New Phases and Emergent Phenomena in Correlated Materials with Strong Spin-Orbit Coupling (Summer/Fall 2015), Many-Body Physics with Light (Fall 2015), Many-body Localization (Fall 2015), and New approaches to non-equilibrium and random systems: KPZ integrability, universality, applications and experiments (Spring 2016). Interactions are also encouraged with other related efforts on campus, including UCSB Materials Research Lab, the Physics Department, and Microsoft's Station Q research center.

Applications for postdoctoral (Associate Specialists) positions should be made electronically via the Academic Jobs Online website:

<https://academicjobsonline.org/ajo/jobs/4540>

Inquiries regarding scientific and/or programmatic issues may be addressed to Professor Leon Balents (balents@kitp.ucsb.edu). The deadline for applications and all materials is November 15, 2014. Later applications will be considered only as long as openings exist.

About the Gordon and Betty Moore Foundation and EPiQS Initiative

The Moore Foundation believes in bold ideas that create enduring impact in the areas of science, environmental conservation and patient care. Visit moore.org or follow @MooreScientific. The foundation's \$90-million EPiQS initiative promotes discovery-driven research in the field of quantum materials (<http://www.moore.org/programs/science/emergent-phenomena-in-quantum-systems>).

Through a variety of funding approaches, EPiQS aims to enable a community of leading experimentalists, materials synthesis experts and theorists to maximize their potential to explore, discover and understand emergent behavior of complex quantum matter. EPiQS supports theoretical research by focusing on postdoctoral and visiting scholars at several leading institutions in the field. The Moore Postdoctoral Scholars in Theory of Quantum Materials program supports some of the most promising theoretical physicists at an early stage of their careers. The Moore Postdoctoral Scholars are provided with a significant independence in selection of their research directions within their departments and can acquire a breadth of expertise by working with multiple faculty members.

The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or any other characteristic protected by law including protected Veterans and individuals with disabilities.