



**Postdoctoral Positions**  
**at the Institute for Condensed Matter Theory**  
**of the University of Illinois at Urbana-Champaign**

Applications are invited to fill several postdoctoral positions in condensed matter theory at the **Institute for Condensed Matter Theory** of the University of Illinois at Urbana-Champaign. These positions start August 15, 2020. Postdocs at ICMT have wide latitude in their choice of research activities, and are encouraged to be broadly engaged with condensed matter research activities at Illinois. Further information about postdoctoral positions at ICMT is available from the ICMT website. <https://icmt.illinois.edu/opps-postdocs.asp>. Strong, creative individuals are encouraged to apply for all postdoctoral positions, regardless of their specialties. **Application deadline: November 1, 2019.**

We expect to have several openings for the Gordon and Betty Moore Postdoctoral Scholar positions as part of the EPiQS Program on Quantum Materials. For details on these positions please see the website....

Applications are also invited to fill postdoctoral positions in computational condensed matter physics with Profs. David Ceperley and/or Lucas K. Wagner. Applicants should have skills in Density Functional Calculations, Quantum Monte Carlo and Data Science. We will also have an opening in the area of quantum computing algorithms and quantum simulation with Prof. Bryan Clark, working on quantum simulations of condensed matter physics/chemistry with an emphasis on NISQ machines. We will also have an opening on areas of topological phases of matter and their geometric properties, and/or in high  $T_c$  superconductors. These positions can be applied for concurrently with the Gordon and Betty Moore Postdoctoral Scholar positions. Although departmental positions are typically more closely tied to a specific supporting project than fellowships, all Illinois postdoctoral researchers are encouraged to take advantage of the extensive opportunities provided to develop breadth through wide-ranging collaborations.

The ICMT website <https://icmt.illinois.edu/> also provides information about ICMT and its aims, which are to foster cutting-edge research in condensed matter theory, very broadly construed, by providing support for postdoctoral fellows, support for graduate students, funding long- and short-term visits by established scientists (experimentalists and theorists), hosting and workshops and small conferences, and establishing an interactive research environment that encourages members to take on the most challenging long-term research issues. The University of Illinois is an equal opportunity/affirmative action employer and welcomes applications from minority and women candidates.

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