

Open Postdoc position:

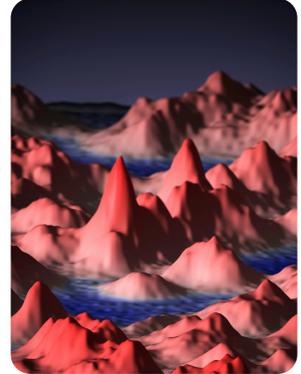
Understanding quantum materials on the atomic scale with novel scanning probe techniques

Allan lab, Leiden Institute of Physics

We are looking for a postdoctoral associate for our research group at Leiden University. Our overarching goal is to understand quantum materials, including unconventional superconductors, quantum-critical compounds, strange metals, and topological materials. Our group has recently published our first result (Battisti, Bastiaans et al., *Nature Physics*) and received new funding; we are currently looking for new members with passion, talent and grit.

We have several open projects in our group, the exact content depends on know-how and interests of the candidate. Many involve the application and/or development of novel instrumentation to understand quantum materials. We are especially active with regard to spin-sensitive and high-frequency STM. We also welcome new directions if a postdoc candidate is interested.

The successful candidate will be involved in developing new projects, measurement, data analysis, instrumental design, and supervision of students. He/she will have her/his own project (starting with the investigation of the melting Mott phase), but will be part of a team and help on other projects as well. While this position is not contingent on additional funding, excellent postdoc candidates are encouraged to take a look at additional funding opportunities (see e.g. [veni fellowship](#) or [Marie Curie fellowship](#)).



Additional information (see also allanlab.org):

➤ *Location:* We are a small, dynamic group, currently consisting of three PhD students and the PI. We are located at Leiden University, the birthplace of superconductivity and home to Kamerlingh Onnes, Lorentz, Huygens, Einstein, de Sitter, and others (see e.g. [the wall of signatures from Ehrenfest lecturers](#)). We exchange ideas with our neighbors from [Quantum Matter & Optics](#) as well as with the colleagues from our [world-class theory section](#).

➤ *Timeline:* We start reviewing applications immediately and until the position is filled (we'll mention this on allanlab.org). The position is initially 1 year, and will be extended if both party are satisfied. The starting date is flexible.

➤ *Application:* Please send inquiries / applications to allan@physics.leidenuniv.nl with the reference 'Application Postdoc. Attach a motivation letter (max one page) on why you would like to join our group and about your research interests, and a CV.

