

ICAM Newsletter. Spring 2023

Dear Colleagues,

Welcome to the ICAM Spring 2023 Newsletter.

We have a lot of good news to report: The [ICAM Quantum Materials Accelnet](#) (QMAC) is now fully activated (see below). Second, planning is underway for the next ICAM annual meeting to be held at UC Santa Barbara 4-6 December later this year. We are also delighted to announce that Bristol University in the UK has joined ICAM, bringing the number of ICAM nodes in the UK to three. We have a wonderful surge of ICAM workshops taking place in the next few months, which we encourage you to bring to the attention of colleagues. Finally, we are seeking applications to all of our programs – QuantEmX, SLiM-Ex and applications for new ICAM-supported workshops. Read on for more details.

The [ICAM Quantum Materials Accelnet](#) involves 10 networks across the world, providing funds in the form of \$40,000 postdoctoral stipends (four per year) and \$4,000 quantum materials science exchanges to accelerate the exploration of Quantum Materials. The first of two QMAC postdoctoral fellowships have been awarded – to Dr. Seongjoon Lim, to explore off-diagonal thermo-electric transport in low symmetry quantum materials, travelling from Rutgers to the Takagi group at the Max Planck Institute in Stuttgart, and to Dr. Weiliang Yao, to explore frustrated Kagome Magnets with the Shibauchi group at the University of Tokyo, travelling from Rice University. The first round of exchange awards have also been made. We are now welcoming applications for the next round of awards – please note the application deadline of May 31st.

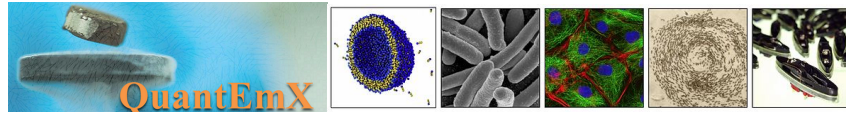
We are making plans for the ICAM annual meeting in Santa Barbara to be held at the Quantum Foundry from Dec 4-6 2023, to be followed by an Accelnet workshop Dec 6-8 2023. **Please save these dates**, and look out for more details coming soon.

Our newest ICAM node joins us from Bristol in the UK. Bristol brings a strong tradition of both quantum and soft matter physics to ICAM, with a parallel interest in quantum technologies. We look forward to an active new partnership with our newest node.

We should like to take this occasion to remind everyone about ICAM's four main areas of support, all of which are now accepting applications.

- Workshops support (Workshops from October '23 - March '24). Deadline June 6th.
- Quantum Materials Accelnet – Postdoc and Travel Awards. Deadline May 31st.
- QuantEmX – Science exchanges. Deadline May 31st.
- SLiMEX – Science exchanges in Soft and Living Matter. Deadline May 31st.

We will be holding Science Steering Committee meetings in June to discuss these various applications.



Finally, with the end of the pandemic, science travel and workshops are coming back to full activity. Here is a list of the many exciting ICAM workshops that are taking place in the very near future. For more details visit [our website](#):

Signatures of Nonequilibrium fluctuations in Life, May 2023, ICTP, Trieste, Italy

Topology and Fractionalization in Magnetic Materials, May 2023, Ohio State University

Topological Materials and Fundamental Physics, May 2023, Santa Fe, New Mexico

Dynamical and Hidden Orders, June 2023, Stockholm, Sweden

Spin Polarized Scanning Tunneling Microscopy and Nanoscale Magnetic Imaging, June 2023, Ohio State University

Les Houches Theoretical Biophysics Summer School, July 2023, Les Houches, France

Quantum Materials: Information and Technology, July 2023, London, UK

Complex Mechanical Metamaterials, July 2023, University of Michigan, Ann Arbor, Michigan

Correlations in Novel Quantum Materials, July 2023, Max Planck Institute Stuttgart, Germany

Autumn School on Correlated Electrons: Orbital Physics in Correlated Matter, September 2023, Julich, Germany

Finally, we look forward to hearing from all of you across our world-wide network. We hope to include news from across our nodes in summer newsletter, so please send us your news.

Best wishes from us all,

Cristina, Piers, and Rajiv