Professors Javier Sanchez-Yamagishi and Luis A. Jauregui named fellows for new Research Corporation for Science Advancement Initiative

The initiative, called Sialog: Quantum Matter and Information, will support quantum materials research at UC Irvine.

Tuesday, July 01, 2025

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Professors Javier Sanchez-Yamagishi and Luis Jauregui of the UC Irvine Department of Physics & Astronomy.

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Last week, Professors Javier Sanchez-Yamagishi and Luis Jauregui from the UC Irvine Department of Physics & Astronomy were selected as fellows for a new initiative spearheaded by the Research Corporation for Science Advancement (RCSA). The initiative, called Scialog: Quantum Matter and Information, recruited 50 early-career scientists to help push the boundaries of quantum science into new territories. This includes the development of quantum materials, as well as devices that measure such materials. Professor Sanchez-Yamagishi, whose research deals with the development of quantum materials, plans to use the support provided by the initiative to foster collaborations with other researchers in his field.

“I'm looking forward to the opportunity to interact with researchers who are interested in quantum materials but come from different backgrounds than physics,” said Sanchez-Yamagishi. “This type of cross fertilization is really important for innovation, and a common theme at various conferences. What makes this program unique is that it provides seed funding for collaborative work that arises from the conference. Quantum materials research in particular benefits from collaboration between physicists, chemists, material scientists and engineers”

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Professor Jauregui, who’s the director of the UC Irvine Quantum Materials and Devices Lab, studies topological quantum materials and devices. He also intends to use his fellowship as a platform for fostering collaborative research.

“Participating in Scialog offers a unique chance to collaborate with researchers from diverse fields who are interested in quantum materials – it’s a kind of interdisciplinary exchange that’s essential for innovation and which is especially valuable in quantum research, which spans physics, chemistry and engineering,” said Jauregui. “The program's structure, bringing people together to form teams and offering seed funding, makes it more than just a conference. I'm excited to explore new ideas, build lasting collaborations, and grow from this opportunity.”

Both Sanchez-Yamagishi and Jauregui are faculty members of UC Irvine’s Eddleman Quantum Institute.

Read more: UC Irvine scientists make breakthrough in quantum materials research