

Eva Birnbaum, Bill Daughton, Andrew Gaunt and Cristiano Nisoli honored with Laboratory Fellows Prizes for 2021

Four researchers will be honored with the Laboratory's Fellows Prizes at a ceremony **Oct. 6**. **Bill Daughton**, **Andrew Gaunt** and **Cristiano Nisoli** will receive the Fellows Prize for Research, and **Eva Birnbaum** will receive the Fellows Prize for Leadership.



Clockwise from top left: Cristiano Nisoli, Eva Birnbaum, Andrew Gaunt and Bill Daughton.

“I congratulate Bill, Andrew, Cristiano and Eva for being recognized with these prestigious awards,” said **John Sarrao**, deputy Laboratory director for Science, Technology and Engineering. “Bill’s significant advancements in internal confinement fusion, Andrew’s key role in transuranic chemistry, and Cristiano’s work in magnetic materials have profoundly influenced their respective fields and the Laboratory. Eva’s leadership in isotope production has impacted national priorities and differentiated Los Alamos.”

The Fellows Prizes for Research is awarded to individuals for outstanding research performed at the Laboratory that has been published within the last 10 years and that has had a significant impact on their discipline or program. The Fellows Prize for Leadership recognizes individuals for outstanding scientific and engineering leadership at the Laboratory and recognizes the value of such leadership that stimulates the interest of talented young staff members in the development of new technology.

Research Prizes

Bill Daughton, of the Laboratory's Primary Physics group, was selected for the Research Prize for his outstanding work in inertial confinement fusion (ICF) research, which includes major discoveries in the physics of volumetric ignition and burn in radiation trapped capsules. He is also extremely influential in other areas of plasma physics, including magnetic reconnection, turbulence and energetic particle acceleration.

Andrew Gaunt received the Research Prize for advancements in the field of molecular transuranic chemistry. His contributions over the past 10 years have helped shape present-day transuranic chemistry on an international level. He has also opened up unique capabilities to foster extensive collaborations, both domestic and international. Gaunt works in Los Alamos' Inorganic, Isotope and Actinide Chemistry group.

Cristiano Nisoli, of the Lab's Physics and Condensed Matter and Complex Systems group, was selected for the Research Prize for his pioneering contributions to the fields of magnetism and novel magnetic materials. Nisoli raised the profile of Los Alamos in magnetism nanotechnology and has made outstanding contributions to programmatic science that greatly benefits the Laboratory.

Leadership Prize

Eva Birnbaum, the Laboratory's Isotope Program manager, was honored with the Leadership Prize for her contributions to the isotope enterprise. Birnbaum significantly invested in early career staff and in building new capabilities for isotope production. In addition to navigating the Isotope Program through a period of substantial transition, she also led the R&D activities of the Lab's effort through dramatic growth, establishing the program as an internationally recognized, premier capability in the use of high-energy accelerators for isotope research and production.