

SPRING MEETING



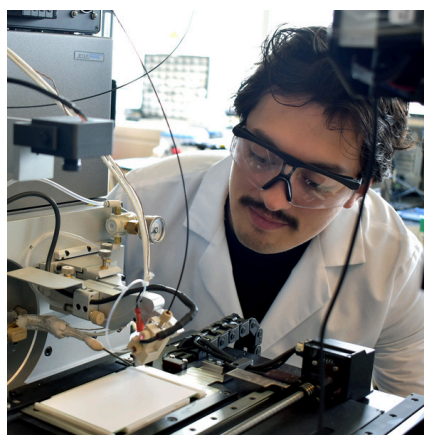
INDIANA

PFAS NETWORK

PURDUE UNIVERSITY

MAY 1, 2026, 9AM -1PM

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Nicolas Morato, Research Assistant
Professor, Purdue Institute for Cancer
Research

Ultrahigh-throughput ambient mass spectrometry platform for the synthesis and analysis of PFAS

Nicolás Morato is a Research Assistant Professor at the Purdue Institute for Cancer Research of Purdue University. He is a trained chemist and engineer, and most of his career has been focused on analytical chemistry, in particular mass spectrometry. He completed his undergraduate studies at Universidad de los Andes (Colombia), and later his PhD and a postdoctoral fellowship at Purdue University, under the mentorship of Prof. Graham Cooks. Overall, his research involves the development of strategies for the rapid analysis of complex samples using ambient ionization mass spectrometry. Most of this effort revolves around the development and application of desorption electrospray ionization mass spectrometry (DESI-MS) for high-throughput experimentation in biochemistry, organic synthesis, clinical diagnosis and biomarker discovery, with the underlying objective of consolidating this technology as an efficient closed-loop automated platform for early drug discovery. His work in this area has been recognized by several honors including graduate fellowships by Eastman and the ACS Division of Analytical Chemistry, as well as the Tomas B. Hirschfeld Scholar Award from FAACS and the Postgraduate Award from IMSF and JMS.