

# Dr. Facundo Fernández

Facundo Fernández, PhD. Regents' Professor and Vasser-Woolley Chair in Bioanalytical Chemistry. Associate Chair for Research and Graduate Training School of Chemistry and Biochemistry & Petit Institute for Bioengineering & Bioscience (IBB). Associate Editor Journal of the American Society of Mass Spectrometry. Member Center for Cell Manufacturing Technology. Member Molecular Transducers of Physical Activity Consortium (MoTrPAC).

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**Short bio:** Prof. Facundo M. Fernández received his MSc in Chemistry from the College of Exact and Natural Sciences, Buenos Aires University in 1995 and his PhD in Analytical Chemistry from the same University, in 1999. In August 2000, he joined the research group of Prof. Richard N. Zare in the Department of Chemistry at Stanford University. His work focused on several aspects of Hadamard transform time-of-flight mass spectrometry with an emphasis on capillary-format separation methods. In 2002, he joined the group of Prof. Vicki Wysocki in the Department of Chemistry at the University of Arizona to develop surface-induced dissociation for gas-phase peptide ion studies. In 2004 he joined the School of Chemistry and Biochemistry at the Georgia Institute of Technology where he currently holds the position of Associate Chair for research and Graduate Training, Regents' Professor and Vasser-Woolley Chair in Bioanalytical Chemistry. He is the author of 195+ peer-reviewed publications and numerous invited presentations at national and international conferences in the field of mass spectrometry, metabolomics and analytical chemistry. He is also the academic director for the mass spectrometry cores at Georgia Tech where he oversees a portfolio numerous mass spectrometers from most major vendors, together with the instruments in his research group. He has received several awards, including the NSF CAREER award, the CETL/BP Teaching award, the Ron A. Hites best paper award from the American Society for Mass Spectrometry, and the Beynon award from Rapid Communications in Mass Spectrometry, among others. He serves on the editorial board of The Analyst and as an Associate editor for the Journal of the American Society for Mass Spectrometry and Frontiers in Chemistry. His current research interests include the field of metabolomics and the development of new ionization, imaging, machine learning and ion mobility spectrometry tools for probing composition and structure in complex molecular mixtures. [Google Scholar](#)