

Dr. Diana Bedolla embarked on an academic journey that traversed continents and disciplines, beginning with her graduation in Physics from the Universidad Autónoma del Estado de Morelos in Mexico. Fueled by her passion for understanding complex systems, she secured an ICTP (International Centre for Theoretical Physics) scholarship, propelling her to Trieste for a two-year Master's program.

Her initiation into the realm of synchrotron radiation commenced through the TRIL (Training and Research in an Italian Laboratory) initiative, a year of sponsored research bridging SISSA (International School for Advanced Studies) and Elettra Sincrotrone Trieste. Subsequently, she pursued a PhD in Neuroscience at SISSA, where her research converged with synchrotron techniques across a spectrum of applications spanning biology, chemistry, and material sciences.

With Elettra Sincrotrone Trieste, University of Trieste, and Area Science Park as her steadfast collaborators, Diana honed her expertise, undertaking global engagements that enriched her scientific repertoire. Notably, she delved into a collaborative venture with Monash University in Australia, contributing to an innovative FTIR project aimed at detecting and identifying sepsis in blood.

As a postdoctoral scientist at Elettra Sincrotrone Trieste, affiliated with Area Science Park, Diana made indelible contributions at the SSSI-Bio beamline, elucidating scientific inquiries—primarily biological—using infrared spectroscopy.

Beyond her personal research endeavors, she lent her expertise to fellow researchers, facilitating the formulation, execution, and dissemination of cutting-edge experiments.

Throughout her career, Diana has authored over 45 peer-reviewed articles, a testament to her scholarly acumen and dedication to advancing scientific discourse. Recognizing her achievements, the Consulate of Mexico in Milan, Italy bestowed upon her the prestigious "Mexicanos Distinguidos 2022" award.

Presently, Diana embarks on a new chapter, spearheading a visionary project that she conceived and formulated. Securing Marie Skłodowska-Curie funding for three years, she is on a pioneering exploration of frontotemporal dementia and other neurodegenerative diseases through vibrational spectroscopy. Collaborating with institutions such as the ICGEB (International Centre for Genetic Engineering and Biotechnology) and Monash University in Melbourne, Australia, Diana's endeavor promises to unravel novel insights into these debilitating conditions, shaping the forefront of neuroscientific research.

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