



Instituto Universitario de Investigación
**Biocomputación y Física
de Sistemas Complejos**
Universidad Zaragoza

Sonia Vega Sánchez

She graduated in Biotechnology, with research stays as a visiting researcher at Johns Hopkins University (2000-2003). In 2004, she joined the OTRI at the University of Zaragoza, as a specialist technician and in 2006, she became a laboratory technician at the Faculty of Veterinary. Since 2009, she has worked at the BIFI Institute, where she is currently responsible for the management and maintenance of the experimental laboratories, especially the LACRIMA laboratory, dedicated to drug delivery.



Researcher profile

She was recognized as an R4-level researcher (ARAIIS). Her research focuses on the structural and functional experimental study of proteins of biotechnological and/or biomedical interest, the development of methodologies to study biomolecular interactions and their regulations, and the design of high efficiency screening procedures for the search of new drugs.

Importance of her research

Proteins are essential biomolecules for the vital functions of living organisms, and many can be considered target molecules for developing therapeutic treatments for diseases. In her laboratory, they study how certain medically relevant proteins behave and function, designing screening procedures to discover and therapeutically improve small molecules that interact with these proteins. So far, they have discovered drugs for hepatitis C, pancreatic cancer, Rett syndrome, colon cancer and COVID-19.

