



Dr. Joaquín Zúñiga,
MD, DSc.

Biography

Director of the Biosciences Program, Tecnológico de Monterrey, School of Medicine and Health Sciences in México City region.

Doctor Joaquín Zúñiga received his PhD from the National Autonomous University of Mexico, and then moved to Dr. Edmond Yunis' lab at Harvard Medical School in Boston, MA, where he carried out his Post-doctoral training.

Dr. Zúñiga then joined the National Institute of Respiratory Diseases (INER) in Mexico City, where he has conducted clinical research studies in patients with pulmonary tuberculosis and influenza virus infection.

Dr. Zúñiga participated in the initial description of the first cases of severe pneumonia caused by the pandemic influenza A/H1N1 virus, which emerged in Mexico in 2009. Since then, Dr. Zúñiga's research has focused on the study of protective immunity against pathogen, as well as on the epigenetic control of immune responses occurring at the lung.

In the recent years he explored the immunopathology of severe forms of COVID-19 and in collaboration with diverse institutions his group have described novel diagnostic methods for SAR-CoV-2 and is participating in the development of peptide based vaccines against this virus. Since 2017,

Dr. Zúñiga is the head of Research of the INER, National Investigator level 3 of the National Researchers System of Mexico and is the Director of the Biosciences program at the Tecnológico de Monterrey in Mexico City.