

# Dr. Arturo Reyes Sandoval

Director of the Instituto Politécnico Nacional



Dr. Arturo Reyes Sandoval was born in the city of Guadalajara, Jalisco, Mexico; He grew up in Teziutlán, Puebla, where he studied to the secondary level. Later, he moved to the state capital to complete his high school studies. His parents graduated as chemists from the Escuela Nacional de Ciencias Biológicas (ENCB), part of Instituto Politécnico Nacional (IPN).

He pursued a degree in Bacteriological and Parasitological Chemistry at the ENCB where he graduated with the highest average and received the award as the best student of his generation.

He got his Master's in Cytopathology and a doctorate in Molecular Biomedicine with the highest honor at the ENCB (IPN). He also completed a predoctoral and postdoctoral research stay at the Wistar Institute of the University of Pennsylvania, in Philadelphia, as well as a postdoctoral research stay at the University of Oxford, where he was recognized for his leadership and formed a research group made up mainly of Mexicans in Oxford.



## Biographical profile / Instituto Politécnico Nacional

In 2011, he was awarded the "Research Leadership" recognition from the Oxford University.

He is a member of the National System of Researchers (SNI) Level II, actively participates as part of the Committee of Evaluators of the National Council of Humanities, Sciences, and Technologies (CONAHCYT), and is the sole representative of the scientific community of the Advisory Council on Advertising of the Federal Commission for Protection against Health Risks (Cofepris).

In addition, he was a professor at Oxford University and a full-time researcher at the Jenner Institute, where the vaccine against COVID-19 is being developed.

The Queen Mary University of London (QMUL) awarded him an honorary Doctor of Science degree in recognition of his contributions to science and the development of vaccines against the SARS-Cov-2 virus, which causes COVID-19.

His research is supported by funds granted by the Wellcome Trust, the Newton Fund, the Medical Research Council (MRC) and the UK Department of Health, of which he has received support for eight patents submitted for registration, seven of which are as inventor.

He has more than 95 articles published in prestigious international journals. He has developed new vaccination platforms, in particular, adenoviruses used to prevent infections by mosquito-borne pathogens such as Zika, Chikungunya and Dengue, among others. His main interest is on immunology and vaccine development for emerging diseases in Mexico and Latin America.

He is also noted for having collaborated with the Nuffield Department of Medicine, Oxford University, in an initiative to promote the exchange of Mexican students and academics from the Universidad Michoacana de San Nicolás de Hidalgo, the Benemérita Universidad Autónoma de Puebla, the Universidad Veracruzana, the IPN and institutions such as the Mexican Ministry of Health.

He is a member of the Governing Board of the Instituto Nacional de Ciencias Médicas y Nutrición (national medical sciences and nutrition institute) Salvador Zubirán, and of the Board of Trustees of Fundación IMSS

He is the Co-Chair of the Mexico Chapter of the Franco-Mexican Strategic Council.

He was recently appointed Executive President of the Social and Environmental Economic Council (CESA) of Mexico City for the period 2023-2026.