

## **Francisco J. Barrantes, MD., Ph.D. Univ. B. Aires.**

Former joint head of Membrane Biophysics Unit (1978-1983) with Erwin Neher and Bert Sakmann (Nobel awardees Med. & Physiol. 1999), at Max-Planck Inst. for Biophys. Chemistry in Göttingen, Germany. Collaborations in Germany with Derek Marsh, Tom Jovin, Peter Zinghsheim and Joachim Frank (Nobel awardee in Chemistry 2017).

Former head, Scientific & Technol. Research Council of Argentina, Bahia Blanca. Chairholder, UNESCO Chair of Molec. Neurobiology & Biophysics.

Subsequent sabbatical periods in Göttingen led to a long-lasting collaboration with Stefan Hell (Nobel awardee in Chemistry 2014) on superresolution optical microscopy.

Awards: TWAS award in Biology; Fellow, Guggenheim Mem. Foundation; Human Frontier Sci. Progr. Fellow; Royal Society, UK; De Robertis Medal; A. von Humboldt Found. award; Premio Uniao Latina, Portugal; Konex Award; Sarojini Damodaran Intl. Trust, India; Consecration Medal, Acad. Sci. Argentina. Gregorio Weber award Biophys. Soc.

Member of: Natl. Acad. of Medicine and Natl. Acad. Sciences, Argentina; Brazilian Acad. Sci.; European Acad. Sci.; Indian Sci. Acad.; Latin American Acad. Sci.

More than 300 publications in peer-reviewed journals, 2 books.

One of the overall goals of his current research is to establish structure-functional correlations and determine the role of protein-lipid interactions in the function of the nicotinic acetylcholine receptor using a highly intertwined combination of cell biology, fluorescence spectroscopy, and superresolution microscopy techniques.