

## BREVE CV

Prof. Mellado has a B.A. in Pharmacy from Complutense University of Madrid (1985) and a Ph.D. in Pharmacy from Alcalá University (1990). He completed his post-doctoral training into a pharmaceutical company, Pharmacia S. L. (1990-1993) and then in the Department of Immunology & Oncology (DIO) at the National Center for Biotechnology (CNB), directed by Prof. Carlos Martínez-A (1993-1996). Since 1996, as a DIO member, he leads an independent group to study chemokine biology. He described, for the first time, that these inflammatory mediators activate the JAK/STAT pathway, a signaling pathway classically associated to the cytokine receptors and was pioneer describing that the chemokine receptors form homo- and heterodimers at the cell surface. In 2005, he obtained a permanent scientific position in the Spanish Research Council (CSIC) and stabilized his position as a group leader in the CNB. He consolidated his research on chemokines by incorporating new innovative imaging technologies, such as FRET, BRET and FLIMM and more recently TIRF-M (total internal reflection microscopy) and super-resolution microscopy (STED). Using these techniques, he is now involved in the analysis of the spatial distribution and dynamics of the chemokine receptors at the cell membrane, as well as in identifying the factors involved in their regulation. He is also interested in the dynamics of the signaling molecules associated to these receptors, as well as in the identification of potential targets and tools with therapeutic value to intervene in chemokine function. He was director of the DIO/CNB (2008-2010), Vice-director of the CNB (2016-2020) and now is the director of the CNB/CSIC (2020-present).