

**Daniel Choquet** obtained an engineering degree from Ecole Centrale (Paris, France) in 1984. He then got attracted to neuroscience and completed his PhD in the lab of Henri Korn at the Pasteur Institute (Paris), studying ion channels in lymphocytes. He got appointed tenure Research officer at the CNRS in 1988. He then performed a post-doctoral/sabbatical at the Duke University (North Carolina, USA) in the laboratory of Michael Sheetz where he studied the regulation of integrin-cytoskeletal linkage by force, and demonstrated that cells can sense and respond to extracellular traction. He then setup his group in Bordeaux (France) at the Institute for Neuroscience where he got a directorship position at the CNRS. He launched an interdisciplinary program on the use of high resolution imaging to study the trafficking of neurotransmitter receptors in neural cells. He is now heading the Institute for Interdisciplinary Neuroscience and the Bordeaux Imaging Center core facility. He is also the director of the center of excellence BRAIN, Bordeaux Region Aquitaine Initiative for Neuroscience.

His main scientific achievement has been the finding that neurotransmitter receptors are in constant movement in the neuronal membrane and that regulation of this trafficking profoundly regulates synaptic transmission. These findings have changed the classical view of the synapse. He has been the recipient of several awards including the 1990 Bronze Medal from the CNRS, the Research prize from the *Fondation pour la Recherche Médicale* (FRM), 1997, the Grand Prix from the French Academy of Sciences, Prix du CEA and the 2009 Silver Medal from the CNRS, chevalier de la legion d'honneur 2016. He is a Member of the *Institut de France*, the French Science Academy since November 2010. He has been awarded three ERC advanced grants in 2008, 2013 and 2018.

The team develops several research topics, combining neuroscience, physics and chemistry in order to unravel the dynamics of multimolecular complexes and their role in synaptic transmission.