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## STRUCTURE BASED DRUG DISCOVERY ON MEMBRANE PROTEIN TARGETS

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### Biography

Nicolas studied at the University of Compiègne (France) and completed his Engineer in Biotechnology degree. For his master and PhD in Neuroscience from the University Pierre et Marie Curie, he moved to the Pasteur Institute in Paris, where he worked in the group of Dr. Pierre-Jean Corringer and Prof. Jean-Pierre Changeux (Channel receptors group) on the elucidation of the crystal structure of a pentameric ligand gated ion channel in an open conformation. From 2009 to 2013, Nicolas moved to FMI (Friedrich Miescher Institute for Biomedical research) as a post-doctoral fellow in the group of Dr. Nicolas Thomae, where he worked on the mechanisms of Holliday junction dissolution by solving the structure of the human Topoisomerase III in complex with a modulatory protein called RMI1. From 2013 to 2017, he worked at Roche, first as a Roche post doctoral fellow and after as a scientist in the Chemical biology department developing biophysical methods for membrane proteins as well as producing, purifying, stabilizing and characterizing GPCRs, transporters and membrane enzymes. Starting February 2017, Nicolas will work on biophysical and structural biology programs within LeadXpro AG as a senior scientist.

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### Area of Interest:

- X-ray Crystallography
- Cryo-Electron Microscopy
- Biophysical methods & characterization (TSA & SPR)
- Membrane Proteins & Hot Structures