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Julien Orts was trained in Physics & Biophysics and graduated in 2010 jointly from the Max Planck Institute for Biophysical Chemistry and the European Molecular Biology Laboratory under the guidance of Prof. Carlogmano and Prof. Griesinger. During that time, he developed the INPHARMA method that can experimentally assess the quality of docking poses of fragments and drugs in the receptor-binding site using only unlabeled protein (ug) from cell extra. Julien joined the BioNMR laboratory at the ETH Zurich led by Prof. Riek, first as a post-doc and then as a junior group leader, where he developed new NMR methods, such as the exact NOEs that improve the NOE accuracy by order of magnitude.
Since 2021 he has been an Assistant Professor at the University of Vienna in the Division of Pharmaceutical Chemistry. His laboratory focuses on Drug Discovery by advanced NMR methods, including integrated methods for fast protein-ligand complex structure determination, NMR-based drug design, protein allostery, and thermodynamics of protein-protein and protein-ligands interactions.