



Ivan Gushchin finished the Moscow Institute of Physics and Technology and did his PhD studies at the Institute of Structural Biology (Grenoble, France), followed by postdoctoral work at the Research Center Jülich (Jülich, Germany). Starting from 2016, he is a head of laboratory at the Moscow Institute of Physics and Technology, focusing on structural analysis and engineering of biological macromolecules, especially proteins.

Ivan and colleagues determined crystallographic structures of several important membrane proteins, including the bacterial nitrate sensor NarQ and sodium pump KR2. More recently, Ivan's work is aimed at developing methods of protein engineering, with the highlights being the development of a palette of fluorescent proteins for anaerobic imaging, development of a method for protein engineering based on NMR model, and the first demonstration of computational conversion of a membrane protein into a soluble one without losing the function of the transmembrane domain.