



Pavel Sidorov is an Associate Professor and Jr-PI leading an independent research group at the Institute for Chemical Reaction Design and Discovery (WPI-ICReDD), Hokkaido University, Japan.

He received his PhD in Chemoinformatics from the University of Strasbourg, France, with Prof. Alexandre Varnek, and subsequently conducted postdoctoral research on anti-cancer drug combinations with Prof. Pedro Ballester at the Cancer Research Center of Marseille. He joined WPI-ICReDD at Hokkaido University in 2019 and later became a Jr-PI, establishing his independent research group.

His current research focuses on methodological developments in QSPR modeling and the data-driven design of molecules with desired properties, including drug candidates, catalysts, and photosensitive materials. His group also works on laboratory automation and robotic chemistry, developing efficient approaches for storing, analyzing, and utilizing data generated by high-throughput experimentation. This research integrates chemoinformatics with techniques such as computer vision and Bayesian optimization to facilitate data-driven experimental design and autonomous chemical research.