Pavel SIDOROV

DATE OF BIRTH: 1 November 1989
NATIONALITY: Russian
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PROFESSIONAL AND RESEARCH EXPERIENCE

Sep 2019-*Present*	**Specially Appointed Assistant Professor** at Laboratory of Chemoinformatics, ICReDD, Sapporo	Discovery of novel chemical reactions by Deep Generative Neural Networks
Nov 2017-Aug 2019	**Postdoctoral fellow** at Laboratory of Machine Learning for Precision oncology and Drug Design, CRCM, Marseille	Predictive models for anticancer activity of drug combinations against cancer cells
Oct 2014-Jun 2017	**Teaching Assistant** at Faculty of Chemistry, University of Strasbourg, Strasbourg	General chemistry; Informatics in chemistry; C programming; Chemoinformatics tools
Oct 2014-Sep 2017	**PhD student** at Faculty of Chemistry, University of Strasbourg, Strasbourg	Analysis of the chemical space of antimalarial compounds by Generative Topographic Mapping
2014, 5 months	**Intern** at Laboratory of Chemoinformatics, University of Strasbourg, Strasbourg	Generative Topographic Mapping as a tool for pharmacological profiling
2013, 2 months	**Intern** at Laboratory of Chemoinformatics, University of Strasbourg, Strasbourg	QSPR modeling of redox properties
2012, 6 months	**Intern** at Laboratory of Hybrid organic-inorganic materials, Kazan Federal University, Kazan	Mathematical modeling of ionization and complexation of hyper-branched polyesters
2011, 1 month	**Intern** at Laboratory of Hybrid organic-inorganic materials, Kazan Federal University, Kazan	Ionization of modified hyper-branched polyesterpolyamines

EDUCATION

2014-2017	Ph.D. in Chemoinformatics (defended on 25 Sep 2017)	University of Strasbourg, Strasbourg
2012-2014	M.Sc. in Chemoinformatics	University of Strasbourg, Strasbourg
2007-2012	Specialist in Inorganic Chemistry	Kazan Federeal University, Kazan
2007	High School diploma	Lyceum No. 131, Kazan

SKILLS AND COMPETENCIES

Chemoinformatics	ChemAxon, ISIDA/GTM, ISIDA/QSPR, Weka, Spartan, LigandScout, LeadIT, MOE
Programming	Python (including machine learning and data mining libraries), bash scripts, HTML/CSS, JavaScript, Java, C/C++
Office packs	Microsoft Word/Excel/PowerPoint, LaTeX
Experimental	pH-metric titration, UV-Visible spectroscopy, interpretation of IR and NMR spectra
Languages	Russian (native language), English (fluent), French (fluent), Japanese (basic)

INTERESTS AND ACTIVITIES

Reading (Sci-fi and fantasy), Programming
Dance (contemporary, hip-hop), Video and Board games