

Curriculum Vitae

Dr. Alexander S. Novikov

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Date and place of birth: June, 6th, 1988 (Moscow, USSR)

Degrees: Diploma of Higher Education at the Department of Chemistry ("red" diploma – *summa cum laude*, the highest rank student – final media is 5.00 in the scale of 0–5), Moscow State Pedagogical University, Moscow, Russia (2010); "Candidate of Sciences" degree (an equivalent to Ph.D.), Saint Petersburg State University, Saint Petersburg, Russia (2013)

Fields of expertise: Quantum and Computational Chemistry; Inorganic and Coordination Chemistry; Organometallic Chemistry and Catalysis

Present investigation interests: Non-covalent interactions in coordination and organometallic chemistry; Ligand reactivity and catalysis; Functionalization of hydrocarbons

Experience in research and teaching abroad: Centro de Química Estrutural, Instituto Superior Técnico, Universidade de Lisboa, Lisbon, Portugal – Research Grantee [BIC] (2011), Research Grantee [Master] (2012–2013), Postdoctoral Fellow (2014), Visiting Researcher (2016 and 2017); Department of Chemistry, University of Jyväskylä, Jyväskylä, Finland – Visiting Researcher (2015 and 2017), Invited Lecturer (2017 and 2018)

Current position: Institute of Chemistry, Saint Petersburg State University, Senior Researcher

Awards: Academia Europaea Award (The Academy of Europe) for young Russian scientists in Chemistry field (2016); Yu. T. Struchkov Prize for young scientists from the Former Soviet Union for the best research works in the field of X-ray Crystallography (2017); Fellowships of Saint Petersburg State University and Santander Bank (2016 and 2017); Grant for young scientists from the Government of Saint Petersburg (2016)

Organizational activities: Expert of the Russian Science Foundation in fields of Quantum Chemistry, Computer Modeling, and Supramolecular Chemistry; Reviewer for *Molecules* (MDPI), *Crystals* (MDPI), *International Journal of Molecular Sciences* (MDPI), *Zeitschrift für Kristallographie – Crystalline Materials* (De Gruyter), *Inorganica Chimica Acta* (Elsevier), *Chemical Physics Letters* (Elsevier), *Journal of Molecular Structure* (Elsevier), *Journal of Molecular Graphics and Modelling* (Elsevier), and etc.; 9th International Chemistry Conference for Young Scientists "Mendeleev 2015" (Saint Petersburg, Russia, 07–10 April 2015) – Chairman of section "Quantum chemistry and computer modeling", member of the program and organization committees; Cluster of Conferences "Orgchem-2016" and 7th Russian Science Foundation Symposium on Organometallic Chemistry (Saint Petersburg/Repino, Russia, 27 June–02 July 2016) – Member of the organization committee; 10th International Chemistry Conference for Young Scientists "Mendeleev 2017" (Saint Petersburg, Russia, 04–07 April 2017) – Chairman of section "Computer modeling" and member of the organization committee; 27th International Chugaev Conference on Coordination Chemistry (Nizhny Novgorod, Russia, 02–06 October 2017) – Chairman of Junior section and member of the organization committee; 8th All-Russian School-Conference of Young Scientists with International Participation "Quantum-chemical calculations: the structure and reactivity of organic and inorganic molecules", (Ivanovo, Russia, 24–26 April 2017) – Plenary Speaker; Visit of teacher and student delegation from the University of Jyväskylä (Jyväskylä, Finland) at the Saint Petersburg State University (Saint Petersburg, Russia) within the framework of Finnish–Russian student and teacher international exchange mobility program FIRST+ (17–24 March 2018) – Principal curator and plenary lecturer.