

Results of the applications for MIPT Postdoctoral Fellowships 2014

#	Name	Laboratory; Scientific adviser	Title of the research project
1	Bylinkin Alexander	Laboratory of high energy physics; Aushev T. A.-K.	Studies of the processes of particle production at the Large Hadron Collider
2	Valba Olga	Laboratory of computer design of materials; Oganov A.R.	Prediction of thermodynamic properties of materials
3	Veshchunov Ivan	Quantum nanostructures laboratory; Trunin M.R.	Magnetic force microscopy studies of unconventional and conventional superconductors: single vortex manipulation, magnetic penetration depth measurements
4	Voronkov Andrey	Laboratory of scientific-technical analysis and prognosis; Balakin K.V.	Computer assisted drug design of dual-targeting anti-cancer drug candidates
5	Gaiko Olga	Laboratory of Nano-Construction of Membrane Protein Complexes for Control over Cell Physiology; Agladze Konstantin	Dependence of the activity of voltage-gated ion channels on the phenotype and stage of development of ventricular
6	Golovchanskiy Igor	Topological quantum phenomena in superconducting systems; Golubov A.A.	Study of the multilayer hybrid superconductor/ferromagnet structures
7	Mironov Sergei	Theoretical nanophysics laboratory, Feigelman M.V.	Thermodynamic and transport properties of multilayered superconductor – ferromagnet structures with anomalous Meissner effect
8	Popova Anastasia	Laboratory for the development of innovative medicines; Marusich E.I.	Development of phage preparation to control nosocomial infections
9	Semenov Alexander	Laboratory of artificial quantum systems; Astafiev O.V.	Kinetic-inductance single photon detector for qubits
10	Stolyarov Vasily	Topological quantum phenomena in superconducting systems; Golubov A.A.	Study of the spatial dispersion of quantum coherent phenomena induced by proximity effect in hybrid systems: superconductor/normal metal, superconductor-ferromagnet, superconductor – topological insulator
11	Khaliullin Ilyas	Laboratory of molecular genetics; Manukhov Ilya Vladimirovich	Developing of approaches for construction of D-lactic acid producing strain
12	Khrapach Ivan	Laboratory of artificial quantum systems; Astafiev O.V.	Experimental study of quantum phase slip in chains of Josephson nanojunctions
13	Núñez Valdez Maribel	Laboratory of computer design of materials; Oganov A.R.	Design and Characterization of Novel Functional Materials