

Dmitri Y. Petrovykh

International Iberian Nanotechnology Laboratory (INL)
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2011– *Principal Investigator*, INL, Braga, Portugal

- Biointerfaces: Molecular (DNA, peptides, proteins), Nanoparticles (NPs), NP-Cell
- Biosensors, Nanomedicine, Nanobiotechnology
- Advanced Nanocharacterization and X-ray Photoelectron Spectroscopy (XPS)

2003–2010 *Assistant Research Scientist (Research Professor)*, University of Maryland, USA

- Biointerface Science, Nanobiotechnology, and Biosensors
- Functionalization and Passivation of Metals, Semiconductors, Polymers, and Devices
- Advanced X-ray Photoelectron Spectroscopy (XPS)

2000–2003 *Research Associate*, University of Maryland, USA

- DNA Biointerfaces and Biosensors
- Passivation of Semiconductor Surfaces and Devices
- Quantitative X-ray Photoelectron Spectroscopy (XPS)

1996–2000 *Research Assistant*, University of Wisconsin, USA

- Self-Assembled Nanostructures on Silicon Surfaces
- Spectroscopy and STM of Metal and Magnetic Surfaces

1995 *Teaching Assistant*, University of Wisconsin, USA

Education

1995–2000 *M. Sc. and Ph. D.* in Physics, University of Wisconsin, Madison, WI, USA
“Self-Assembled Nanostructures on Silicon Surfaces”

1993 *Summer Student*, CERN, Geneva, Switzerland

1993 *Exchange Student*, Yale University, New Haven, CT, USA

1990–1995 *Diploma with Excellence* in Physics,
Lomonosov Moscow State University, Moscow, Russia

Publications and Presentations Summary

61 publications, *h*-index=29 (>2600 citations), 157 presentations
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