



**Sarunas Petronis, PhD, Forskare/Projekt ledare**  
**SP Sveriges Tekniska Forskningsinstitut**

Kemi, Material och Ytor -Medicinteknik  
Box 857, SE-501 15 Borås  
Tel: +46 (0)10 516 58 66  
Telefax: +46 (0)33 10 33 88  
Internet: [www.sp.se](http://www.sp.se)

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Dr. Sarunas Petronis is a senior researcher at SP Technical Research Institute of Sweden and a project leader of Nanosurfaces project within VINN BIOMATCELL Centre. Sarunas Petronis received his PhD in Materials Science from Chalmers University of Technology, Sweden, in 2002, and did his postdoctoral studies at the Department of Micro and Nanotechnology, Technical University of Denmark (2003-2005). Sarunas Petronis worked as an Assistant Professor at Applied Physics, Chalmers University of Technology during 2005-2011. He is an expert in nano and micro surface patterning techniques (photolithography, electron beam lithography, colloidal lithography, thin film deposition, wet and dry silicon etching, thick resist technology, microcontact printing and micro-replication), nanoscale characterization of surfaces (Auger electron spectroscopy, contact angle measurements, scanning electron microscopy, atomic force microscopy, profilometry), and specific cell analysis methods (time-lapse microscopy, cell traction force measurements, microarray technologies). Sarunas Petronis focus on the development and applications of nanotechnology in the fields of biomaterials and biosensors.

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