



# Laboratory of Photonics and Nanotechnology

*The Laboratory of Photonics and Nanotechnology is focused on research and development of micro- and nanostructures for optical and optoelectronic elements on the chip. With the help of key technologies such as 3D laser lithography Nanoscribe and analytical-technological equipment of the electron microscope with ion beam LYRA 3, they achieved top outputs in the field of new elements on the chip. In addition to these key elements and devices, they helped in measuring the properties of the prepared elements top diagnostic analyzers, spectrometers, lasers and optical sources.*

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**Technology for the application of new photonic optofluid fiber elements,  
integrated optics and optical networks**