“Science“ Fund Project Resume – Competition Session 2016

“Three-dimensional visualization of glial cells and tumor cells in colorectal cancer“

**Project leader:** Prof. Nikola Kolev, MD, PhD, DSc

**Project Goals:** Three dimensional visualization of enteric neuronal and processes glial cells in colorectal carcinoma and in normal colorectal mucosa.

**Necessary equipment:** Inverted microscope and software modules, which will be used with our multichannel fluorescence microscopic system. This will allow us to better visualize the 3D objects in the glial cells.

**Expected impact:** Proving the existence of glial and neuronal processes in colorectal cancer. The project will assist the PhD of Dr. Alexander Zlatarov from the Department of General and Operative Surgery, University Hospital “St. Marina“ - Varna, and the scientific work of young scientists (Dr. Pavel Pavlov, Dr. Nedyalka Zgurova - Departament of clinical Pathology, University Hospital “St. Marina” - Varna). We will aim to write and publish a paper in an international journal with an impact factor.