

## **Roman Polishchuk, PhD**

Roman Polishchuk received his Master's Degree in Biology in 1993 from the Ivanovo State University (Ivanovo, Russia) and his PhD in Cell and Developmental Biology from the Russian State Medical University (Moscow, Russia) in 1995. He was a postdoctoral researcher with Drs. Alberto Luini and Alexander Mironov at the Mario Negri Sud Research Institute (Italy). In 2000, he joined the lab of Jennifer Lippincott-Schwartz at the NICHD (NIH, USA) and returned to Mario Negri Sud Institute to start his own lab in 2002. During his early career he made important contributions to the characterization of transport mechanisms in different segments of the secretory and endocytic systems. Gradually, his work shifted focus towards the molecular mechanisms coordinating intracellular membrane trafficking, ion transport, and cell polarity in genetic disorders and cancer. Since 2009, Roman Polishchuk has had a Laboratory Head position at TIGEM, where he also acts as Supervisor of the Advanced Microscopy and Imaging Core. His lab has developed integrated experimental approaches to study the cell biology of inherited disorders of copper metabolism. He has also been among the pioneers of groundbreaking CLEM technology, which combines the advantages of live cell imaging and electron microscopy. He is the author of over 130 publications in international scientific journals. His research has been funded by Telethon, AIRC, Italian Ministries of Research and Health, Human Frontiers Science Program and by the European Union.