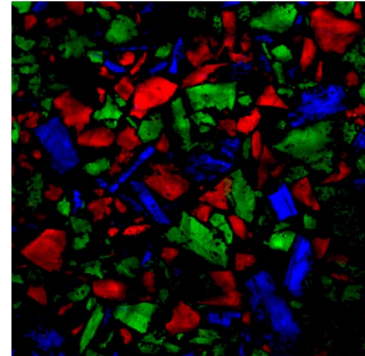


*Two Postdoctoral
Positions in*
Quantum-Enhanced
Coherent Nonlinear
Optical Microscopy:
Experiment & Theory



Modern coherent nonlinear optical microscopy applies broadly in areas ranging from biomedicine to materials research. Funded through a NRC Quantum Sensors Program Grant, this Ottawa-based project pushes sensitivity levels to new limits, while simultaneously reducing laser-induced damage, through quantum optics approaches. The successful candidates will join an expert interdisciplinary team to implement and apply quantum-enhanced coherent nonlinear optical microscopy. The Experimental Project, led by Prof. Denis Seletskiy (Engineering Physics, Ecole Polytechnique Montreal), Prof. Albert Stolow (Physics, University of Ottawa) and Dr. Adrian Pegoraro (National Research Council), is in quantum light source development for nonlinear optical microscopy. The Theory Project, led by Prof. Lora Ramunno (Physics, University of Ottawa) involves analytical and computational modeling of quantum nonlinear optical microscopy. A PhD in Physics, Engineering (or a related field) is required, with experience relevant to the position. Interested individuals should please send a statement of interest and relevant expertise, a copy their most recent CV, and a list of three references, to the following:

Experimental Postdoc Position:

denis.seletskiy@polymtl.ca ; astolow@uottawa.ca ; adrian.pegoraro@nrc-cnrc.gc.ca

Theory Postdoc Position: lora.ramunno@uottawa.ca