

BRIDGE

Project

Development of High Resolution Nonscanning Multiphoton Polarimetric Microscope (PolarNon)

Description

This project is connected to Bridge project (<https://www.phys.ethz.ch/news-and-events/d-phys-news/2017/03/two-bridge-grants.html>), that is focused on the development and industry implementation of hardware & software solution (PolarNon) for nanomaterials characterization, using the methods of nonlinear optics.

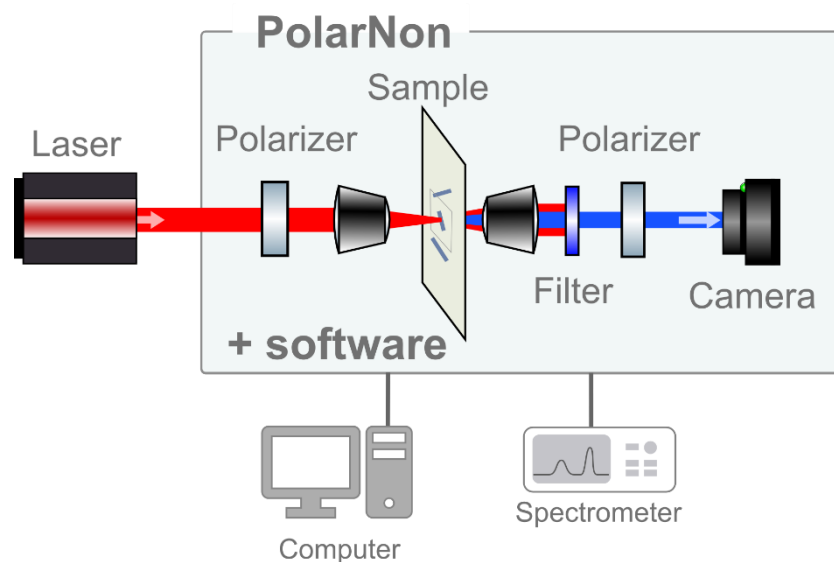
This project combines work in two areas: hardware and software.

Hardware part:

Work in optical laboratory to build a hardware part of multiphoton microscope.

Software part:

Development of the software for experiments automatization, for microscope implementation on the industry market



For more details, please contact Dr. Maria Timofeeva, mtimo@phys.ethz.ch