



From Finland to France



Project: **Perspectives in advanced Light Microscopy and
Master's degrees (PLMM) Workshop**

Research topic: **Medical imaging, quality assessment and microscopy**

Finnish Institution: **University of Turku and Åbo Akademi University**

French Institution: **University of Rouen**

Dates of mobility: **29/05/2023 to 02/06/2023**

Program: **Maupertuis Workshop 2023**



PRESENTATION

The program consisted of scientific and technological presentations from local and visiting scientists, teachers, students, and core facility members. Most sessions had speakers from Turku ([Åbo Akademi University](#) (ÅAU), [University of Turku](#) (UTU)) and Rouen on similar topics and this showed many of the possible collaborative options between the three universities. During the workshop all three universities and their thoughts around the Erasmus collaboration (short student/teacher visits, longer internships, and possible double degrees) were very successfully discussed and planned. The mobility was also the opportunity to discover Rouen through its culinary and historical perspectives.

ACTIVITIES IN FRANCE

This section presents a selection of several scientific infrastructure, exchange and networking presentations and activities made during the mobility. On Day 1 the Finnish delegation learned about the core facilities and infrastructures that are an essential part in (microscopy) imaging. The day included an impressive tour (lead by [Dr. Galas](#)) of the facilities with multiple modern sample preparations and microscope solutions. Education specialist from UTU, [Raili Kronström](#), gave a great overview of how the MSc degree is structured in the UTU and ÅAU. Finally, last themes discussed revolved around quality control, digital image analysis and artificial intelligence. [Damien Schapman](#) from Rouen gave an unforgettable presentation and live demonstration on Primacen's efforts to standardize the quality assessment of microscopy images, which is crucial for core facilities to maintain high standards. From the ÅAU side, [Joanna Pylvänäinen](#) gave an excellent overview of different plugins and softwares they have created to aid users in microscopy image analysis. And finally, [Christophe Chamot](#) from Rouen gave a great overview of what AI really means in microscopy and how its power can be harnessed. Several key points of mutual interest were identified in medical imaging, quality assessment and microscopy that would be interesting for students from both countries. The workshop organizers together with education specialists laid down the initial plan to have students do internships as early as next summer. The next planned activities between the masters programs is shorter 1-2 week visits to attend an intensive course or learn a unique technique not available at the home university.