



Are you looking to advance your skills in image analysis?

Look no further!

The ECVP task force Innovation and New Technologies proposes to all veterinary pathologists and residents

an **interactive 3-days online training**

on **QuPath, a powerful open-source solution for image analysis.**



When: **27/02/2023 to 01/03/2023**

You will be mentored by recognized experts in image analysis:

Zbigniew Mikulski & Sara McArdle

In addition, you will have keynote lectures by veterinary pathologists and image analysis experts:

**Pete Bankhead, Sara McArdle
Kenneth Kim (ACVP) and Robert
Klopfleisch (ACVP)**

Don't wait, sign up for our image analysis course and get ahead in the field of image analysis – the number of places is limited.

The number of attendees will be limited to 40.

Registration details

In order to secure your place:

1. Register

<https://eu.jotform.com/build/230244351753349>

2. Costs: 50€ for all participants
(Payment form at the end of the flyer)

3. Please fill in the following survey to let us know more about your interests and skills in image analysis and we will adapt the content to your needs:

<https://forms.gle/L8vheBy3pE7nWG2k7>

Registration end date: 19/02/2023

For further questions please contact course organizers: Lev Stimmer (lev.stimmer@inserm.fr) or Vanessa Herder (Vanessa.Herder@glasgow.ac.uk)

Training content

This three-day interactive online workshop aims to give participants a better understanding of how to use QuPath for image analysis.

There will be a test run on **Friday, 24/02/2023 (17:00 – 18:30 CET)**, mandatory for all participants to verify that you have the software and files needed for the workshop. After the registration, we will email you detailed instructions on how to get ready. If you follow them, this will only take 10-15 minutes. We reserve more time for troubleshooting. This will save precious time during the workshop so you can concentrate on getting the most out of this training.

During our first day (Monday, 27/02/2023; 8:00 to ca. 17:00 CET), we will learn how to use QuPath efficiently for digital pathology.

- We will cover the most common analysis tasks and teach how to use convenient tools for manual counting, and measurements of the length and area of different structures.
- We will use QuPath's commands for automated cell counts in H&E and immunohistochemistry slides.

During the second day (Tuesday, 28/02/2023; 8:00 to ca. 17:00 CET), we will explore

- machine learning tools to teach the software how to perform object and pixel classification, which is very useful in complex and more difficult samples and stains.

During the last day of our workshop (Wednesday, 01/03/2023; 8:00 to ca. 16:00 CET),

- we will show how all the skills that participants gained can be used for immunofluorescence and multiplexed slides.
- We will teach how QuPath can be used to implement spatial analysis and deep-learning workflows.

Throughout the workshop, we will introduce various image analysis concepts.

- In the practical sessions, we will expand newly gained skills through interactive exercises and will explore common problems and limits of image analysis.
- Working in teams, we will empower participants to solve tasks that will equip them with knowledge and workflow ideas that they can adapt to analyze their own slides.

Payment of the workshop fee can be made by bank transfer or credit card.

Bank transfer:

Please make sure that the College is not charged for additional bank fees.

ABN AMRO: NL65 ABNA 0440 4899 70

BIC: ABNANL2A

Statement: QuPath *Last name*

Credit card:

Type of card: VISA or Eurocard/MasterCard

Card Number: [click to enter card number](#)

Card Validation Code: [code](#) Expiration Date: [date](#)
(Last 3 digits in signature block on back of card)

Amount (Euro): € 50

Accept an extra fee of €10

Card owner's name: [click to enter card owner's name](#)

Card owner's address: [click to enter card owner's address](#)
(Address where credit card statements are received.)

Please return this form to admin@ecvpath.org

For any questions regarding your **registration** and **payment**, please contact **Bernadeta Kieromin** at the **ECVP Office**: admin@ecvpath.org

We regret that refund of the attendance fee will not be possible in case you will be unable to attend.