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## Programme de Formation

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### Hands-On Whole-Brain histology: ABBA & BraiAn Pipeline School - ENGLISH Course



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#### Organisation

**Durée :** 28 heures

**Mode d'organisation :** Présentiel

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#### Contenu pédagogique

##### **Public visé**

The workshop is intended for young researchers, including Master's and PhD students, as well as postdocs and established scientists who want to sharpen their practical understanding of state-of-the-art histological analysis tools.



##### **Objectifs pédagogiques**

By the end of this course, you will be able to:

- Confidently navigate the ABBA workflow
- Organize and load whole-brain datasets, automatic/manual section positioning, atlas reslicing, atlas registration
- Perform automatic signal segmentation with BraiAn and QuPath
- Easily navigate Whole brain data (Allen Brain ontology navigation, data QC, metrics selection)
- Visualize and quantitatively analyze and BraiAn whole brain data

We encourage participants to bring images from their own experiments—these can be used during practical sessions to kickstart your own analysis projects.



##### **Prérequis**

Prior experience with brain histology and a basic understanding of Python are recommended, but not strictly required.



##### **Modalités pédagogiques**

Language : English.





### ***Moyens et supports pédagogiques***

Students will need to bring their computers.



### ***Modalités d'évaluation et de suivi***

Ongoing formative assessments throughout the course. A certificate of completion is issued at the end of the training.



### ***Informations sur l'admission***

Admission to this training programme is not subject to any examination, test or prior selection; registration is confirmed upon receipt of a complete application file and validation by the training provider.



### ***Informations sur l'accessibilité***

Our organisation is committed to ensuring inclusive and equitable access to its training programmes, whether delivered online or in person, for all participants, including people with disabilities. A dedicated accessibility contact is available to assess individual needs and, where possible, implement appropriate pedagogical, technical and organisational adjustments.