

AGORA Scientific Platform Workshops

Title	Type of workshop	Description	Time & Date	Duration	Location	Presenter	Number of attendees
MRI-shots:Coil Replacement	A highly focused, hands-on workshop	Struggling to replace MRI coils? Join us to master the process for smooth operations every time.	Wednesday, September 18th, at 12.30 PM	30 minutes	MRI room, AIVC	Dr. Giulia Di Domenicantonio, IVIF	4
MRI-shots:Wobbling	A highly focused, hands-on workshop	Do you want to learn what wobbling is and how it can improve image quality? Discover the secrets behind this technique and enhance your imaging skills.	Wednesday, September 25th, at 12.30 PM	30 minutes	MRI room, AIVC	Dr. Giulia Di Domenicantonio, IVIF	4
MRI-shots:Centering	A highly focused, hands-on workshop	Do you struggle with perfect centering? Learn proven strategies to achieve precise alignment and improve your scanning outcomes.	Wednesday, October 2nd, at 12.30 PM	30 minutes	MRI room, AIVC	Dr. Giulia Di Domenicantonio, IVIF	4
Introduction to R for Life Sciences	Interactive session	This course will introduce R and RStudio (an integrated development environment for R) to beginners, using hands-on practical sessions. Participants will receive example data and R commands to learn how to interact with the R environment, import and explore data, generate graphs and reports. The example data will be specifically chosen to reflect the type of data generated using high throughput sequencing.	Thursday, October 3rd, at 9AM	1 day (9:00 AM - 12:30 PM & 1:30 PM - 5:00 PM), typically 2x1.5-hour sessions, with a 30-minute break per half-day.	AGORA Seminar Room: B25A.05.066	Dr. Tania Wyss and Dr. Joao Lourenco, TDS-F	15
MRI-shots:Emergencies	A highly focused, hands-on workshop	Are you prepared for an MRI emergency? Gain confidence by learning exactly what to do when the alarm sounds, the ATS stops, or the magnet quenches.	Wednesday, October 9th, at 12.30 PM	30 minutes	MRI room, AIVC	Dr. Giulia Di Domenicantonio, IVIF	4
Global Irradiator: A Protocol for Bone Marrow Depletion	Interactive session	Gabriela Desdin Micó, from Prof. Naveiras' lab, has conducted a comprehensive pilot study to determine the optimal irradiation dose for bone marrow depletion. She is now prepared to present her findings to the AGORA community. This workshop will also provide an opportunity to share your experiences with whole-body irradiation and to continue the discussion on establishing the best protocol for bone marrow depletion.	Thursday, October 31st, at 11 AM	1 hour	AGORA Seminar Room: B25A.04.266	Dr. Giulia Di Domenicantonio, IVIF	10
Deep Two-Photon Imaging from A to Z	Hands-on practical session using the microscope with tissue samples	The aim of this workshop is to present the complete workflow for performing intravital imaging. We will explain the principles of deep two-photon imaging, discuss necessary surgeries and administrative steps (such as obtaining animal licenses), demonstrate tissue acquisition to showcase the achievable imaging depth, and introduce time-lapse analysis using Imaris.	Thursday, November 7th, at 9 AM	4 hours	Two-photon room, AIVC	Dr. Alexandre Bénéchet, IVIF	5
MRI Troubleshooting: How to react to error messages and detect system malfunctioning	Interactive session	The aim is to give advanced MRI users the tools to solve simple errors that may occur in daily practice. We will go through the basics of MR imaging process, of the hardware design and of ParaVision architecture, in order to prevent misuse and to facilitate the interpretation of system error messages. We will also go through the more frequent issues and learn how to react and solve them.	Thursday, November 14th, at 11 AM	1 hour	AGORA Seminar Room: B25A.04.066	Dr. Giulia Di Domenicantonio, IVIF	10
Workshop on Biology-on-Chip	Interactive session	This workshop will provide an introduction and hands-on experience on prototyping for biology-on-chip applications. The workshop will encompass various aspects of biology-on-chip from design to implementation.	Friday, November 22nd, at 1 PM	4 hours	BET Facility	Dr. Gaspard Pardon and BET Staff	6
Basics of Mass Cytometry and Imaging Mass Cytometry: Tools for Immuno-Oncology Research	Interactive session	This workshop introduces the fundamental principles of mass cytometry and imaging mass cytometry. These advanced techniques allow for the simultaneous analysis of up to 50 markers in cell suspension samples and up to 40 markers in tissue samples, enabling access to crucial insights by phenotyping and characterizing immune spatial interactions within the tissue microenvironment, contributing significantly to immuno-oncology research.	Thursday, November 28th, at 11 AM	30 minutes	AGORA Seminar Room: B25A.05.066	Naoill Abdellaoui, Mass Cytometry and imaging platform	10
MRI in oncology: Tumor Growth and Beyond	Interactive session	We will provide an overview of MRI applications suitable for our 3T system that may interest AGORA members.	Thursday, December 5th, at 11 AM	1 hour	AGORA Seminar Room: B25A.05.066	Dr. Giulia Di Domenicantonio, IVIF	10
Flow Cytometry Crime Scene Investigation	Interactive session	Poor adherence to best practices, insufficient training, and pressure to produce data quickly may lead to publications of suboptimal biomedical research flow cytometry data, which contributes to the body of irreproducible research findings. In this workshop we'll investigate some flow cytometry crime scenes and discuss the requirements for reproducibility and rigor in research flow cytometry experiments.	Thursday, December 12th, at 2 PM	2 hours	FCF Facility	Dr. Jean-François Mayol, FCF	20