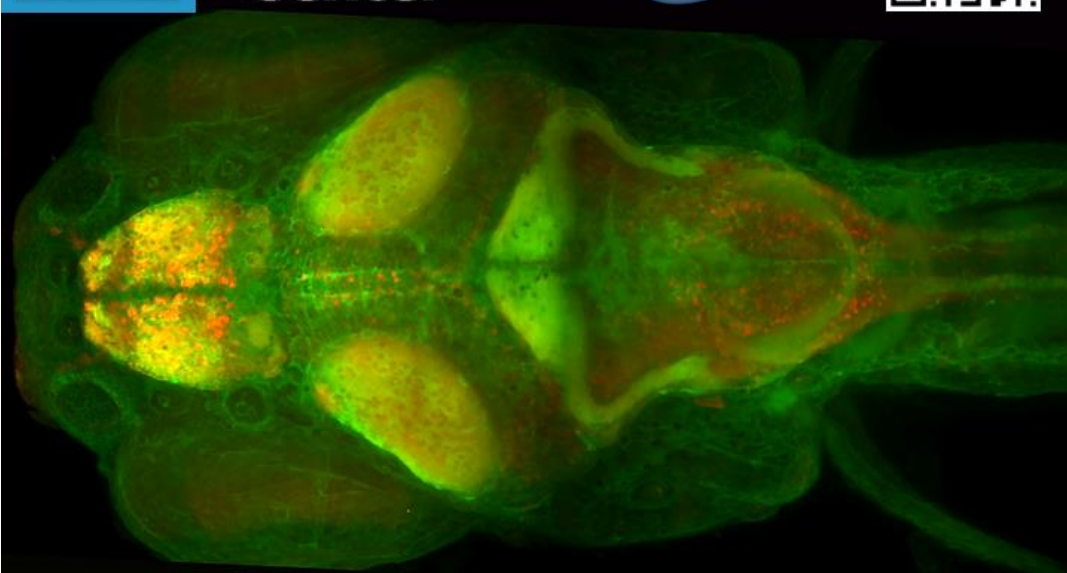


4^{ème}
Journée



Lyon Multiscale Imaging Center

Faculté Rockefeller
13 octobre 2021



From fluorescence microscopy to analysis challenges of large 3D objects

Inscription gratuite et obligatoire sur lymic.univ-lyon1.fr



4th LyMIC day

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|-------|---|
| 9h00 | Clarification & microscopy: from basics to advanced methods
France Lam (UPMC Sorbonne, Paris) |
| 9h45 | Adaptative confocal microscopy for imaging large object
Antoine Delon (LiPhy, Grenoble) |
| 10h25 | Break |
| 10h45 | Image size, good practices for sampling consideration, size reduction, image compression
Lydia Danglot (Institut de Psychiatrie et de Neurosciences de Paris) |
| 11h30 | 3D imaging after clearing: theory and applications to study postnatal development
Paolo Giacobini (INSERM, Lille) |
| 12h20 | Lunch |
| 13h00 | Quantification of fluorescent signal in big 3D object: lessons from X-Rays analysis
Emmanuel Brun (STROBE Team, Grenoble) |
| 13h45 | Segmentation in low signal/noise images from cleared unlabeled heart
Matthieu Chourout (CarMeN/CRNL, Lyon) |
| 14h30 | Whole brain mapping of neuronal activity and axonal projections to study of parental behaviors
Thomas Topilko (Institut du Cerveau et de la moelle épinière, Paris) |
| 15h10 | Break |
| 15h30 | Digital atlas and segmentation of myelin fibers from MRI images
Marine Breuilly (Lymic, Lyon) |
| 16h15 | Multimodal imaging for a comprehensive study of neuronal network organization
Jean-Christophe Deloulme (Institut des Neurosciences, Grenoble) |
| 17h00 | Closure |
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