

# CENTURI Training Courses

## A Focus on Imaging - 2022

March 07-11, 2022

Luminy campus & Joseph Aiguier campus

### Partie I: Optics and Imaging Techniques 1 (5 days)

#### March 07, 2022 – Luminy campus

Online tutorials	<b>Theoretical Course 1:</b> General Optics and Wide Field Microscopy (P.F. Lenne) <i>Video links will be sent to participants</i>	
	<b>Break</b>	
10.30 a.m. 12 p.m.	<b>Theoretical Course 2:</b> Introduction to immunofluorescence techniques (Y. Hamon) <b>TPR2 - Room 3.05</b>	
	<b>Lunch</b>	
1.15 p.m. 3.15 p.m.	<b>Module A</b> Optical bench - Spectrum (S. Brustlein) <b>Room R-1 CIML</b>	<b>Module B</b> Light sheet microscopy (F. Michel) <b>INMED</b>
	Light sheet microscopy (F. Michel) <b>INMED</b>	Optical bench- Spectrum (S. Brustlein) <b>Room R-1 CIML</b>
3.30 p.m. 5.30 p.m.		

theori



**CENTURI**

TURING CENTRE  
FOR LIVING SYSTEMS

# CENTURI Training Courses

*March 08, 2022 – Luminy campus*

8.30 a.m. 9.30 a.m.	<b>Theoretical Course 3:</b> Confocal microscopy and advanced techniques (V. Dunsing) <b>TPR2 - Room 3.05</b>			
	<b>Break</b>			
9.45 a.m. 12.45 a.m.	<b>Group 1</b>	<b>Group 2</b>	<b>Group 3</b>	<b>Group 4</b>
	Confocal (C. Boutin) SP8 Leica <b>IBDM</b> <b>TPR2</b> <b>Room 6.22</b>	Confocal (S. Brustlein) <b>INMED</b>	Confocal (R. Fabre) <b>Confocal 880</b> <b>CIML</b>	Confocal (V. Dunsing) <b>Confocal 880</b> <b>CIML</b>
2 p.m. 5 p.m.	<b>Lunch</b>			
	<b>Option 1</b>	<b>Option 2</b>	<b>Option 3</b>	
	Confocal Spectral (V. Dunsing) <b>IBDM</b>	Confocal biphoton (S. Tlili) <b>IBDM</b>	Advanced confocal (S. Brustlein) <b>INMED</b>	

*March 09, 2020 – Luminy campus*

8.15 a.m. 9.45 a.m.	<b>Theoretical Course 4:</b> Electronic Microscopy (N. Brouilly) <b>TPR2 - Room 3.04</b>	
	<b>Break</b>	
10 a.m. 1 p.m.	<b>Groups 1 &amp; 2</b>	
	Electronic Microscopy (A. Aouane, F. Richard, N. Brouilly) <b>IBDM - Ground floor room 22-27</b>	
2 p.m. 5 p.m.	<b>Lunch</b>	
	<b>Groups 3 &amp; 4</b>	
	Electronic Microscopy (A. Aouane, F. Richard, N. Brouilly) <b>IBDM - Ground floor room 22-27</b>	



**CENTURI**

TURING CENTRE  
FOR LIVING SYSTEMS

# CENTURI Training Courses

## March 10, 2022 – Luminy campus

8.15 a.m. 9.45 a.m.	<b>Theoretical Course 5:</b> Atomic force Microscopy (F. Rico, I. Casuso) <b>TPR2 - Room 3.04</b>	
	<b>Break</b>	
10 a.m. 1 p.m.	<b>Groups 1 &amp; 2</b> Atomic Force Microscopy (F. Rico, I. Casuso) <b>INSERM - Room 17 TPR2 Block 5</b>	
	<b>Lunch</b>	
2.30 p.m. 5.30 p.m.	<b>Groups 3 &amp; 4</b> Atomic Force Microscopy (F. Rico, I. Casuso) <b>INSERM - Room 17 TPR2 Block 5</b>	<b>Option</b> CRYO Electron Microscopy (CryoEM) (A. Kosta) <b>CNRS - Joseph Aiguier</b>

## March 11, 2022 – Luminy campus

8 a.m. 9.45 a.m.	<b>Theoretical Course 6:</b> Super Resolution and Single Molecule (A. Sergé) <b>TPR2 - Room 3.05</b>		
	<b>Break</b>		
10 a.m. 1 p.m.	<b>Option 1</b> dSTORM (R. Fabre) <b>(3 max)</b>	<b>Option 2</b> Surface optical microscopy <b>(RICM, TIRF)</b> (L. Limozin) <b>LAI - TPR2, Block 5, 3rd floor</b>	<b>Group 3</b> <b>10 a.m. - 12 p.m.</b> Light sheet microscopy (F. Michel) <b>INMED</b>
	<b>Lunch</b>		
2.30 p.m. 3.30 p.m.	<b>Theoretical Course 7:</b> Image annotation and Omero database (C. Matthews) <b>TPR2 - Room 3.05</b>		
	<b>Group 4</b> Light sheet microscopy (F. Michel) <b>INMED</b>		
3.30 p.m. 5.30 p.m.			



**CENTURI**

TURING CENTRE  
FOR LIVING SYSTEMS