

# PROGRAMME

## Neural circuits of pain: from physiology to pathology

Monday, June 1 <sup>st</sup>	Tuesday, June 2 <sup>nd</sup>	Wednesday, June 3 <sup>rd</sup>	Thursday, June 4 <sup>th</sup>	Friday, June 5 <sup>th</sup>
	08.00 – 08.45 <b>Technical talk 1</b>	08.00 – 08.45 <b>Technical talk 3</b>	08.00 – 08.45 <b>Technical talk 5</b>	08.00 – 08.45 <b>Technical talk 7</b>
08.30 – 09.15 <b>Lecture</b> “Does pain in early life matter if we don’t remember it?” <b>Simon BEGGS</b>	“Calcium Imaging and Exploratory Data Analysis” <b>Mikkel VESTERGAARD</b>	“New molecular biology tools for circuit analysis” <b>Marie-Eve PAQUET</b>	“3D reconstruction with most recent electron microscopy techniques” <b>Marc LANDRY</b>	“Wireless electrophysiology in freely moving models: New tools to study pain circuits” <b>Benoit GOSSELIN</b>
09.15 – 10.15 <b>Lecture</b> “Learning in somatosensory circuits” <b>Stephanie KOCH</b>	09.00 – 12.40 <b>Workshop 1</b>	09.00 – 12.40 <b>Workshop 1</b>	09.00 – 12.40 <b>Workshop 1</b>	09.00 – 12.00 <b>Preparation of student presentations</b>
10.15-10.45 <b>Break</b>				
10.45 – 11.30 <b>Lecture</b> “Pain and Emotional comorbidities” <b>Ipek YALCIN</b>				

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<p>11.30 – 12.15</p> <p><b>Lecture</b></p> <p>“Nociceptive coding in the anterior cingulate cortex and the effects of analgesia”</p> <p><b>Thomas NEVIAN</b></p>				<p>12.00 – 14.00</p> <p><b>Lunch</b></p>
<p>12.15 – 14.00</p> <p><b>Lunch</b></p>	<p>12.45 – 13.45</p> <p><b>Lunch</b></p>	<p>12.45 – 13.45</p> <p><b>Lunch</b></p>	<p>12.45 – 13.45</p> <p><b>Lunch</b></p>	
<p>14.00 – 14.45</p> <p><b>Lecture</b></p> <p>“Neurobiological mechanisms underlying the effects of stress on chronic pain”</p> <p><b>Michelle ROCHE</b></p>	<p>13.45 – 17.00</p> <p><b>Workshop 2</b></p>	<p>13.45 – 17.00</p> <p><b>Workshop 2</b></p>	<p>13.45 – 17.00</p> <p><b>Workshop 2</b></p>	<p>14.00 – 16.00</p> <p><b>Student presentations and summary</b></p>
<p>14.45 – 15.30</p> <p><b>Lecture</b></p> <p>“The neuronal circuits and cellular encoding of thermosensation”</p> <p><b>Mario CARTA</b></p>				
<p>15.45-16.00 <b>Break</b></p>				

16.00 – 18.00 <b>Workshop</b> Career development (students and speakers)				
	17.00 – 17.45 <b>Technical talk 2</b> “In vivo optophysiology” <b>Yves de KONINCK</b>	17.00 – 17.45 <b>Technical talk 4</b> “New tools for analysing somatosensory systems” <b>Steve PRESCOTT</b>	17.00 – 17.45 <b>Technical talk 6</b> “Pain assessment in human” <b>David FINN</b>	
18.30 – 20.30 <b>Poster &amp; pizza</b>				
				20.30 - <b>Farewell dinner</b>

### WORKSHOPS :

- *In vivo* ephys with optogenetic in anesthetized mice
- *In vivo* ephys in freely moving animals and behavior.
- Human Neurophysiology.
- Neuroanatomy, clarity, light sheet microscopy
- Fiber photometry
- Miniscope
- Two photons imaging DRG.