



## Neurobiology of Addiction – June 20-23

**Organizer: Teresa Summavielle, Addiction Biology Group, i3S**

**Local: I3S - R. Alfredo Allen 208, Porto**

### Monday, June 20

**9:30-12:30 – Basic Neurobiology of Addiction - T Summavielle (I3s, Addiction Biology Group)**

**(LUNCH)**

**14:30-16:00 - Impact of methamphetamine on the blood-brain barrier function - Ana Paula Silva (IBILI, University of Coimbra)**

**16:30 – Students round table and papers/videos allocation**

### Tuesday, June 21

**10:30 -11:30 – Glutamate excitotoxicity - Andrea Lobo (I3s, Addiction Biology Group)**

**11:30 -12:30 – Epigenetic mechanisms in the mature brain. Implications in the mode of action of drugs of abuse (part 1) - Jean Zwiller (CNRS, Strasbourg)**

**(LUNCH)**

**14:00 -15:00 – Epigenetic mechanisms in the mature brain. Implications in the mode of action of drugs of abuse (part 2) - Jean Zwiller (CNRS, Strasbourg)**

**15:00 – 16:00 – Methamphetamine, much more than dopamine – Teresa Summavielle (I3S, Addiction Biology Group)**

**(16:00 – free time for preparing presentations)**

### Wednesday, June 22

**10:00-11:15 – Neuronal Modulation of Mitochondrial Dynamics by 3,4-**

**Methylenedioxymethamphetamine (MDMA; "ecstasy") – Daniel Barbosa (I3S and UCIBIO-REQUIMTE, FFUP)**

**11:30- 12:30 – Synthetic cannabinoids in the context of emerging addictive behaviours - Félix Carvalho (UCIBIO-REQUIMTE, FFUP)**

**(LUNCH)**

**14:00 -16:00 - Genetic and neurobiological aspects of addictive behaviour - Rainer Spanagel (Central Institute of Mental Health (ZI), University of Heidelberg)**

**16:30-17:30 – Ethanol triggers fast glutamate release from cortical microglia via cSRC/TNF signaling - Renato Socodato (IBMC-i3S, Glia Cell Group)**

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**Thursday, June 23**

**10:00-11:00 - The neurobiological impact of early life stressful experiences –Ana Mesquita**  
(Neuropsychophysiology Laboratory, UM)

**11:30-13:00 – Students presentations/discussion**

**(LUNCH)**

**14:00-16:00 - Students presentations/discussion**

**Friday, June 24 (local holyday - São João)**



**Contacts:**

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