

# LES CONFÉRENCES DE L'ICM



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## Hosted by Bernard ZALC

If you would like to meet the speaker, please use  
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*Thomas MISGELD - September 26, 2011 at 11:00*

## In vivo imaging of axon injury in the spinal cord

Axon injury is an important process in numerous neurological conditions. While generally believed to be a monotonous and progressive process, early stages of axon injury could represent promising targets for therapeutic intervention. We have recently found using in vivo imaging in a murine model of multiple sclerosis that neuroinflammatory axon injury is characterized by a long-lasting and potentially reversible intermediate stage. In my talk, I will discuss our efforts to characterize the mechanisms that support recovery or hasten demise of "sublethally" injured axons. Moreover, I will discuss data that suggest the expansion of this concept of axon injury as a dynamic and bidirectional process, to contusion spinal cord injury, a major cause of non-inflammatory spinal pathology.

**Lundi 26 Septembre 2011 à 11H00**  
**Auditorium de l'ICM**  
**Hôpital Pitié-Salpêtrière**  
**47, boulevard de l'hôpital - 75013 Paris**

