



Molecular Imaging : industrial context, state of the art and multimodal imaging	
Learning objectives	The aim of this intensive program is to up date students' knowledge on the fast evolving field of Molecular Imaging with a particular emphasis on the MI medical needs and industrial perspectives.
Public	Master and PhD students on molecular imaging, biology, biomedical science, chemistry or physics
Prerequisites	Basis knowledge of MI field
Lectures content and practical work	<p>Lectures: MI medical needs, hot topics in biomedical research, MI industrial perspective, IP and patenting, bioethics</p> <p>Hands on: IMAGE J, AMIDE, MI Atlas and in situ hybridization</p> <p>Visits: Neurospin (MRI research and training platform), SHFJ (radiochemistry and PET research and training facilities)</p>
Training methods	50 % lectures, 20 % hands on and 10 % visits
Coordination/registration	Elena CECCARELLI - Martine MURY Phone : +33 1 69 08 89 09 - email : martine.mury@cea.fr Scientific advisor: Dr. Bertrand Tavitian
Course language	English
Duration	10 working days
Course location	INSTN - Saclay, Neurospin - Saclay, SHFJ - Orsay (FRANCE)
Registration fees	All Master and PhD students from the partners Universities of Cologne, Antwerp, Torino, Mons-Hainaut, Brussels, Leiden and Crete will receive a support of the European Commission to attend the course. Others, please send an inquiry to the coordinator: elena.ceccarelli@cea.fr .
Number of participants	28 participants maximum
Credits	3 ECTS

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