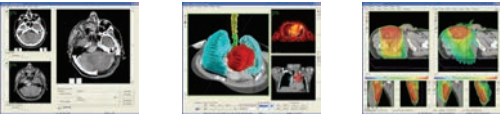
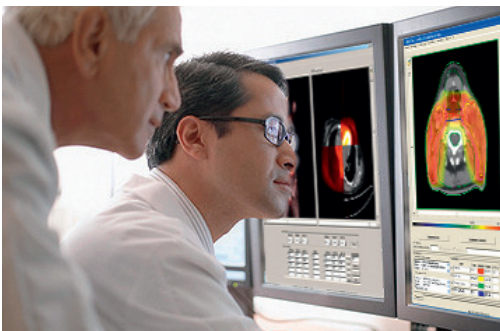


Innovative imaging to improve radiotherapy treatments

Summer-school of SUMMER project from the 8th to 11th July, 2013 in Lille, France



This summer-school aims to establish common knowledge between various disciplines:

- Medical image acquisition,
- Radiation oncology physics,
- Biological target volume,
- Dose painting,
- Image processing,
- Visualization and Ergonomics.

and promote interdisciplinary research in computer supported radiotherapy planning by using new functional imaging (PET new tracers, MRS, fMRI, DMRI). Members of the SUMMER project consortium and invited speakers will give in-depth lectures.

Who should attend

PhD students
Post-Doctoral fellows
Young medical doctors
Group leaders
Graduate students with related background

Venue

Maison de l'Education Permanente
1, place George Lyon in Lille
Located in the city center subway stations.

Registration Fees

(for attendees not affiliated to SUMMER project)
Early-rate fee until April 30th, 2013: 150€
Late-rate fee from May 1st, 2013: 250€
Student-rate fee: 150€
Fees cover lunches & coffee breaks.
The social/gala diner on July 10th will be charged 30€.

More information

Please consult the website

<http://summer-project.eu/news-and-events/summer-schools/summer-school-2013>

Contact us

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Final programme of summer-school of SUMMER project

	Monday 8 th July	Tuesday 9 th July	Wednesday 10 th July	Thursday 11 th July
09:00 09:30		Exploring input devices for contouring in external Radiotherapy <i>Anjana Ramkumar, SUMMER Project</i>	PET-Image Segmentation using Random Walks <i>Tobias Fechter, SUMMER Project</i>	MR spectroscopy data processing <i>Andrea Laruelo, SUMMER Project</i>
9:30 10:00	Registration	The use of watershed and graph-cuts methods to segment OAR <i>Jose Dolz, SUMMER Project</i>	Sensemaking of tumors in external RT – preliminary observations <i>Anet Aselmaa, SUMMER Project</i>	Deformable registration visualization using MITK <i>Miro Jurisic, SUMMER Project</i>
10:00 10:30		Coffee break	Coffee break	Coffee break
10:30 11:30	Welcome addresses & opening of the summer-school <i>Laurent Massoptier & David Gibon, AQUILAB, Lille</i>	Understanding PET Images: Biology and Physics, Integrating in Treatment Planning <i>Ursula Christ, Universitätsklinikum Freiburg</i>	Basic principles of fMRI <i>Francesco De Pasquale, Fondazione Santa Lucia, Roma</i>	Medical image registration <i>Nikos Paragios, Ecole Centrale Paris</i>
11:30 12:30	Use of Medical Imaging in surgery: What can be used in Radiotherapy <i>Luc Soler, IRCAD, Strasbourg</i>	Ethics in Medical Research <i>Mark Sheehan, The Ethox Centre, University of Oxford</i>	Noninvasive assessment of therapy response in preclinical brain tumors using MR spectroscopy <i>Ana Paula Candiota, CIBER-BBN, Barcelona</i>	Pathways of research between Academia and Industry <i>Etienne Vervaecke, Eurasante, Lille</i>
12:30 14:00	Lunch	Lunch	Lunch	Lunch
14:00 15:00	Dose painting by numbers in Head & Neck cancer <i>Frédéric Duprez, Ghent University Hospital</i>	Human Computer Interface aspects in Medical Visualization <i>Bernhard Preim, Magdeburg University</i>	Margin in Radiotherapy <i>Marcel Van Herk, NKI-AVL, Amsterdam</i>	Clinical Research <i>Cécile Le Péchoux, Gustave Roussy Institute, Villejuif</i> <i>Anne Laprie, Claudius Regaud Institute, Toulouse</i>
15:00 16:00	New treatment method in Radiotherapy <i>Alexander Muacevic, European Cyberknife Center Munich</i>	Motion management in Radiotherapy <i>Stine Korreman, Roskilde University Copenhagen</i>	Adaptive radiotherapy in Head & Neck cancer <i>Vincent Grégoire, UC Louvain, Brussels</i>	Human factors engineering for radiotherapy planning software <i>Adinda Freudenthal, TU Delft</i>
16:00 16:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break
16:30 17:00	Visualization in Radiotherapy-part1 <i>Miguel Nunes, SUMMER Project</i>	Role of MR-Imaging for brain tumors <i>Noora Tuovinen, SUMMER Project</i>	PET-MR image fusion using CT-MR image registration <i>Frida Hauler, Medical University Vienna</i>	Young Award & Conclusion
17:00 17:30	Visualization in Radiotherapy-part2 <i>Matthias Schlachter, SUMMER Project</i>	Efficiency and Robustness in the Presentation of Spectroscopic Data <i>Ben Rowland, SUMMER Project</i>	Introduction of SUMMER new recruited researchers <i>Hortense KIRISLI, Andac HAMACI</i>	
	19:00-21:30 Welcome Party Cocktail <i>Musée des Beaux Arts, Garden Gallery</i>		20:30-23:30 Gala Diner <i>Couvent des Minimes</i>	



With the collaboration of :

