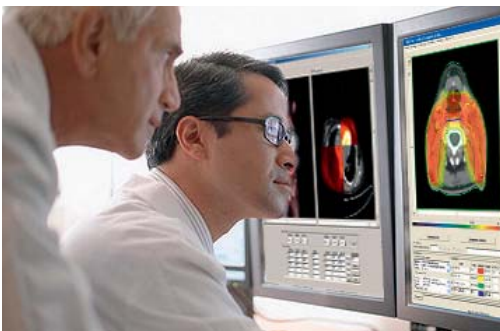


Innovative imaging to improve radiotherapy treatments

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

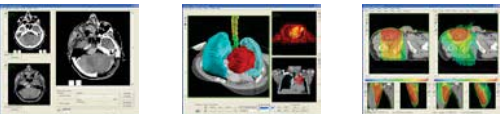


This summer-school aims to establish common knowledge between various disciplines:

- 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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Preliminary 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	Registration	Comparison of automatic & manual segmentation techniques in Radiotherapy <i>Anjana Ramkumar, SUMMER Project</i>	PET-Image Segmentation using Random Walks <i>Tobias Fechter, SUMMER Project</i>	Efficiency and Robustness in the Presentation of Spectroscopic Data <i>Ben Rowland, SUMMER Project</i>
9:30 10:00		Segmentation of OAR in thorax using graph-cuts <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	Understanding PET Images: Biology and Physics, Integrating in Treatment Planning <i>Ursula Christ, Universitätsklinikum Freiburg</i>	IRM spectro <i>To be announced</i>	fMRI <i>Francesco De Pasquale Fondazione Santa Lucia, Roma</i>
11:30 12:30	Use of Medical Imaging in surgery <i>Luc Soler, IRCAD, Strasbourg</i>	Ethics in Research <i>Maurizio Salvi, Bureau of European Policy Advisers</i>	Clinical Research <i>To be announced</i>	Pathways between Research and Industry <i>To be announced</i>
12:30 14:00	Lunch	Lunch	Lunch	Lunch
14:00 15:00	New systems in Radiotherapy Cyberknife M6 system <i>Alexander Muacevic, European Cyberknife Center Munich</i>	Medical Visualisation <i>Bernhard Preim, Magdeburg University</i>	Margin in Radiotherapy <i>Marcel Van Herk, NKI-AVL, Amsterdam</i>	Ergonomics <i>Adinda Freudenthal, TU Delft</i>
15:00 16:00	Dose painting by numbers in H&N cancer <i>Frédéric Duprez, Ghent University Hospital</i>	Motion management in Radiotherapy <i>Stine Korreman, Roskilde University Copenhagen</i>	Adaptive radiotherapy in H&N cancer <i>Vincent Grégoire, UC Louvain, Brussels</i>	Medical image registration <i>To be announced</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>	Functional MRI study for brain tumors <i>Noora Tuovinen, SUMMER Project</i>	PET-MR image fusion using CT-MR image registration <i>Frida Hauler, SUMMER Project</i>	Young Award and Conclusion
17:00 17:30	Visualization in Radiotherapy-part2 <i>Matthias Schlachter, SUMMER Project</i>	MR spectroscopy data processing <i>Andrea Laruelo, SUMMER Project</i>		
20:00	Get together		Gala Diner	



With the collaboration of :



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