

Exciting international one-week intensive course (6 CFU) covering theoretical/applied aspects of peptide radiolabelling to gain skills to stay competitive professionally!

Open to: **University students**, residents and professionals - nuclear physicians, chemists/ radiochemists, biologists, pharmacists/radiopharmacists physicists and technologists – and manufacturers/companies

When: October 2-6, 2017

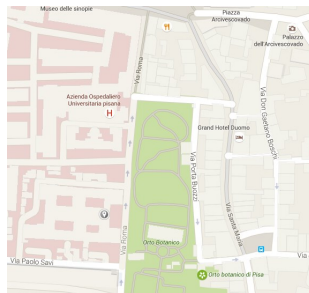
Fee:

150 € university students, postgraduate students (residents, fellowship, PhD, post-doc), trainees
300 € others

Course registration deadline:
September 17th, 2016

Course Venue:

Scuola medica Università di Pisa
Via Roma 67
56126 Pisa



Special thanks to:

School Coordinators

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Further info:

support.summerschool@unipi.it
<https://www.unipi.it/index.php/summerschool>



TROPI-CALL PLUS 2017

“Up-to-date methods for the Radiolabelling Of Peptides, Immunoconjugates and Cells, and their (pre)clinical application and basic Principle of imaging acquisition and interpretation”

October 2-6, 2017

With the auspices of

Monday, October 2 nd	
14.30- 15.00	Welcome, presentation of the Summer School and Questionnaires
15.00-15.40	Technetium-99m: generators and basic principles of radiolabelling
15.40-16.00	^{99m} Tc-based radiopharmaceuticals: main clinical applications
16.00-16.40	Other radiopharmaceuticals for SPECT: current situation and future development
16.40-17.00	Basic principles of cell radiolabelling, equipment, devices, legislation quality controls
17.00-18.00	From radiopharmaceutical to images: basic of equipment
Tuesday, October 3 rd	
9.00-9.45	Gallium-68: generator, synthesis modules and automation
9.45-10.30	Quality control of ⁶⁸ Ga-radiolabelled peptides: equipment, procedures and legislation
10.30-10.45	Coffee break
10.45-11.30	Clinical and preclinical application of gallium-68 labelled radiopharmaceuticals (
11.30-12.15	Basic principles for the synthesis of peptide and coupling to chelators
12.15-13.00	Review of the chelators for metal based radiopharmaceuticals
13.00-14.15	Lunch break
14.15-15.00	Basic principle for the labelling of somatostatin analogue: chelators, radionuclides and peptides
15.00-15.45	From radiopharmaceutical to images: basic of imaging analysis
15.45-17.30	Training Session

Wednesday October, 4 th	
9.00-9.45	Basic principles of other PET radiopharmaceutical production
9.45-10.45	Labelling of peptide with ¹⁸ F: review of methods
10.45-11.00	Coffee break
11.00-11.45	Radionuclide for therapy: basic concept and production
11.45-12.45	Yttrium-90 and Lutetium-177: principles of radiolabelling, synthesis modules and automation
12.45-14.00	Lunch break
14.00-15.00	Quality control of radiolabelled peptides for therapy: equipment, procedures and practical issues
15.00-15.45	GMP production of radiopharmaceuticals
15.45-17.00	Training session
Thursday October, 5 th	
9.00-9.45	New strategies for immunoconjugates productions
9.45-10.30	Labelling of antibodies: chelators and radionuclides
10.30-10.45	Coffee break
10.45-11.45	Iodine-124: Production and applications, precursors, chelators and methods for protein radio-labelling
11.45-12.30	Zirconium-89: Production and applications
12.30-14.00	Lunch break
14.00-14.45	From M2M, the molecule. IMPD and beyond
14.45-15.30	From M2M, translational studies: cell models and animal models
15.30- 16:15	From radiopharmaceutical to images: imaging quantitation
16:15-17:30	Traning session

Friday October, 6 th	
9.00-9:40	Basic Radiopharmaceuticals for imaging of inflammations/infections
9:40-10.00	Basic radiopharmaceuticals for cardiovascular applications
10.00-10.40	Basic radiopharmaceuticals for neurological application
10:40-11.00	Coffee break
11.00-11.40	Teragnostic approach: basic concepts
11.40-12.00	Radionuclide therapy: basic concepts and clinical application
12.00-13.00	Questionnaires and Closure of the Summer School

Invited speakers:

A. Boschi, *University of Ferrara*
P. Martini, *University of Ferrara*
N. Belcari, *University of Pisa*
M. Asti, *Santa Maria Nuova Hospital - IRCCS di Reggio Emilia*
M. Riondato, *S.Andrea Hospital La Spezia*
C. De Cristoforo *University of Medicine Innsbruck, Austria*
M. Ginanneschi Mauro & A. Pratesi, *University of Firenze*
S. Todde, *Milano*
C. D'Alessandria, *Munich*
C. Pascali, *Milano*
D. Panetta, *Institute of clinical physiology - CNR Pisa*
P. Salvadori, *Institute of clinical physiology CNR Pisa*
G. Cicoria, *University of Bologna*
S. Boschi, *University of Bologna*
S. Papi, *IEO Milano*
R. Guerrini, *Università di Ferrara*
F. Roesch, *University of Gutenber, Mainz, Germania*
M. Fani, *Friburgo*
G. Gorgoni, *Sacro Cuore Hospital Don Calabria*
A. Ciarmiello, *S. Andrea Hospital La Spezia*
G. Luurtsema, *University of Groningen Medical Center*
M. De Jong, *University of Rotterdam, Olanda*
R. Slart, *University of Groningen Medical Center*