



UNIMORE

UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Dipartimento di Scienze
Chimiche e Geologiche

PhD Course in
Models and Methods for Material
and Environmental Sciences

INTRODUCTION TO RADIOCHEMISTRY: from basics to clinics

1st – 3rd October 2018

PROGRAM

Monday 1st October

Room A1.1 (Aula Magna) - via Università, 4 - Modena

Chairman: Dr. M. Piel

- 9:15-9:30** Welcome and opening of the course
9:30-11:00 The essence of Radioactivity: Transformation! **Prof. F. Rösch**
11:00-11:15 Coffee break
11:15-12:00 Molecular imaging: Where does the light come from? **Prof. F. Rösch**
12:00-12:45 Molecular radiation therapy: Where do the particles come from? **Prof. F. Rösch**

Chairman: Dr. M. Asti

- 14:15-15:45** Basics of coordination chemistry - **Dr. E. Ferrari**
15:45-16:00 Coffee break
16:00-17:30 Principles of theranostics: most important chelators for radiometals – **Prof. F. Rösch**

Tuesday 2nd October

Room U1.1 (1^o floor) – Dip. Scienze Chimiche e Geologiche – Via Campi 103 - Modena

Chairman: Dr. M. Asti

- 9:15-10:45** ^{11}C and cyclotron - **Dr. M. Piel**
10:45-11:00 Coffee break
11:00-12:30 ^{18}F production and Labelling methods - **Dr. M. Piel**

Chairman: Prof. F. Rösch

- 14:00-15:30** Neuro-tracers: principle and applications - **Dr. M. Piel**
15:30-15:45 Coffee break
15:45-17:15 SPECT-Nuclides and radiotracers - **Dr. M. Asti**

Wednesday 3rd October

Room A1.1 (Aula Magna) - via Università, 4 Modena

Chairman: Dr. E. Ferrari

- 9:15-10:45** ^{68}Ga -labelling: Generators and applications - **Dr. M. Asti**
10:45-11:00 Coffee break
11:00-12:30 Procedures, radioprotection, security assurance in radioactive laboratories – **Dr. F. Fioroni**