



Training School COST Action NAMABIO MP1005

3rd Course

“From nano- to macro- biomaterials (design, processing, characterization, modelling) and applications to stem cells regenerative orthopaedic and dental medicine”

**26 – 29 April 2014, Croatian Institute for Brain Research, School of Medicine,
University of Zagreb (Croatia)**



PROGRAM

Director of the Course
Prof. Franco Rustichelli, Action Chair
Polytechnic University of Marche, Ancona, Italy

Local Organizer
Prof. Dinko Mitrecic
University of Zagreb, Croatia

Saturday –26 April, 2014

- 09.00-09.30 REGISTRATION OF THE PARTICIPANTS
- 09.15-09.30 **D. MITRECIC** (University of Zagreb – Croatia) – **E. GIRARDIN** (Polytechnic University of Marche- Italy)
Welcome - Introductory Remarks and presentation of the School
- 09.30-11.00 **Students presentations**
- 11.00-11.30 *pause*
- 11.30-13.00 **Students presentation**
- 13.00-15.00 *lunch – light refreshments*
- 15.00-16.30 **Students presentation**
- 16.30-17.00 *pause*
- 17.00-18.00 **Students presentation**
- 20.00 *dinner (Restaurant)*

Sunday – 27 April, 2014

Chairman: XXXX

- 09.30-11.00 **N. DRNOVŠEK, S. NOVAK** - (Jožef Stefan Institute, Department for Nanostructured Materials, Ljubljana, Slovenia)
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- 11.00-11.30 *pause*
- 11.30-13.00 **N. DRNOVŠEK, S. NOVAK** - (Jožef Stefan Institute, Department for Nanostructured Materials, Ljubljana, Slovenia)
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- 13.00-15.00 *lunch- light refreshments*

Chairman: XXX

- 15.00-17.00 **G. BARUCCA** - (Università Politecnica delle Marche, Dip. SIMAU, Ancona, Italy)
Basics of Scanning and Transmission Electron Microscopy
- 20.00 *dinner (Offered)*

Monday – 28 April, 2014

Chairman: XXXX

- 09.00-10.30 **H. VAN OOSTERWYCK** - (K.U.Leuven, Department of Mechanical Engineering – Biomechanics section, Leuven, Belgium)
Computer modelling and simulation in tissue engineering I
- 10.30-11.00 *pause*
- 11.00-12.30 **H. VAN OOSTERWYCK** - (K.U.Leuven, Department of Mechanical Engineering – Biomechanics section, Leuven, Belgium)

Computer modelling and simulation in tissue engineering II

12.30-14.00 *lunch (canteen)*

Chairman: XXXX

14.00-16.00 **G. VADALA** - (University of Rome, Department of Orthopaedic and Trauma Surgery, Rome, Italy)
Stem cell biology in bone and dental tissue regeneration - Orthopedic applications I

16.00-16.30 *pause*

16.30-18.30 **F. RUSTICHELLI** - (Università Politecnica delle Marche, Dip. DISCO, Ancona, Italy)
High resolution x-ray tomography: basics and applications

20.00 *dinner (free)*

Tuesday – 29 April, 2014

Chairman: XXXXX

09.00-10.00 **G. VADALA** - (University of Rome, Department of Orthopaedic and Trauma Surgery, Rome, Italy)
Stem cell biology in bone and dental tissue regeneration - Orthopedic applications II

10.00-11.00 **A.BAKOPOULOU** - (Aristotle University of Thessaloniki, Department of Fixed Prosthesis and Implant Prosthodontics, School of Dentistry, Thessaloniki, Greece)
Stem cells of dental origin: form bench to clinic I

11.00-11.30 *pause*

11.30-12.30 **A.BAKOPOULOU** - (Aristotle University of Thessaloniki, Department of Fixed Prosthesis and Implant Prosthodontics, School of Dentistry, Thessaloniki, Greece)
Stem cells of dental origin: form bench to clinic II

12.30-15.00 *lunch (canteen)*

Chairman: XXXXX

15.00-16.00 **A.BAKOPOULOU** - (Aristotle University of Thessaloniki, Department of Fixed Prosthesis and Implant Prosthodontics, School of Dentistry, Thessaloniki, Greece)
Stem cells of dental origin: form bench to clinic III

20.00 *dinner (free)*

Wednesday – 30 April, 2014

DEPARTURE