UNIVERSITÀ degli STUDI di CATANIA

DIPARTIMENTO DI SCIENZE MEDICHE CHIRURGICHE E TECNOLOGIE AVANZATE "G. F. INGRASSIA"

EXPERIMENTAL MICROSURGERY COURSE

Tutors:

Prof. M. Oltean - University of Gothenburg

Prof. A. Di Cataldo - University of Catania

Dott. A. Pesce - University of Catania

Dott. M. Hellstrom - University of Gothenburg

Scientific Committee:

Prof. S. Puleo - Prof.ssa R. Parenti

Dott. A. Pesce - Dott. S. Latteri

Dott. C. Cipresso - Dott. M. Abbate

Prof. G. La Greca - Prof. D. Russello

VENUE:
UNIVERSITY OF CATANIA -
Center for Advanced Preclinical in vivo Research (CAPIR)
Torre Biologica - Via S. Sofia 97 - Catania
Registration: www.capir.unict.it

TUESDAY 9 OCTOBER h 9 - 18

Aula 1 Torre Biologica est

- Welcome greatings by the Rector of University of Catania Prof. F. Basile
- Introduction and presentation of the course (Prof. S. Puleo - Prof.ssa R. Parenti)

Theoretical session

- Instrumental set for basic microsurgery - suturing materials - instruments handling and care (M. Oltean)
- The microvascular suturing – principles and techniques (M. Oltean)
- Anatomy and physiology in rats and mice (M. Oltean)

Practical training (for selected participants) - Aula 6 Torre Biologica nord

- Preparation of the working area for the rats
- Microscope set-up, suturing and knotting under microscope in non-living models (suture knotting and tying on latex membrane, dissection and microvascular suturing in the chicken thigh model and pig hearts)

WEDNESDAY 10 OCTOBER h 9 - 18

Theoretical session - Aula 1 Torre Biologica est

- Opening of the abdomen, handling tissues and vascular dissection (M. Oltean)
- Anesthesia, analgesia and peri-operative care (M. Abbate)
- Multi-modal imaging in small animals (C. Cipresso)
- Asespis techniques in experimental microsurgery (M. Hellstrom)

Practical training - Aula 6 Torre Biologica nord

- Dissection of various vessels in rats: jugular vein, carotid artery, femoral vein and artery
- Microvascular cannulations and anastomosis on femoral vessels

THURSDAY 11 OCTOBER h 9 - 18

Theoretical session - Aula 1 Torre Biologica est

- Discussion and feedback after the first day in rat-surgery
- Experimental microsurgical models in general surgery (A. Di Cataldo)
- Experimental models of liver fibrosis and hepatic regeneration in rats (A. Pesce)

Practical training - Aula 6 Torre Biologica nord

- Opening of the abdomen, handling of tissues and skin suturing
- Abdominal surgical anatomy in rats
- Dissection of VCI and aorta. Nephrectomy, portal vein cannulation, bile duct cannulation, microvascular aorta anastomosis

CAPiR Università degli Studi di Catania
Center for Advanced preclinical *in* vivo Research

SIRC
SOCIETA' ITALIANA DI RICERCHE IN CHIRURGIA

Leica MICROSYSTEMS

ISEM
International Society for Experimental Microsurgery