



INFORMATION

Content

The workshop will combine lectures and laboratory parts to provide the basis to understand cell-surface interactions.

Workshop schedule

Workshop duration: 3 days

Dates: Monday 28th April 2014 (16:00) to Wednesday 30th April (16:00).

Attendance

The number of participants is limited. The workshop fee is 100 CHF. It includes the lectures, lunches and coffee breaks. Practical and laboratory parts are restricted to members of the BIOBONE project.

Certificate

All participants will receive a certificate of attendance at the end of the workshop.

Accommodation

Accommodation should be arranged by participants.

Transportation

The AO Research Institute can be easily reached with bus No.8 (departures every hour from Davos Platz train station).

Contact

Registration and accommodation: daniela.schraner@aofoundation.org

Scientific organisation: marianna.peroglio@aofoundation.org

Monday 28th April 2014

15:30 Registration

16:00 Basics on cell culture (Dr. Marianna Peroglio, ARI)

Tuesday 29th April 2014

08:30 Practical exercise: the plate (Dr.med. Jan Benthien, Davos Hospital)
(Biobone members only)

09:30 Osseointegration (Prof. Geoff Richards, ARI)

10:30 Coffee break

11:00 Cell lines, primary cells and stem cells (Dr. Jennifer Bara, ARI)

12:00 Different techniques for bone studies (Dr. Marietta Herrmann, ARI)

13:00 LUNCH BREAK

14:00 Microscopy and histology (Christoph Sprecher, Nora Goudsouzian, ARI)

15:00 Cell culture laboratory ***(Biobone members only)***

Wednesday 30th April 2014

08:30 The different cell types in bone (Dr.Ing. R. Detsch, University of Erlangen)

09:30 Evolution of bioinert implants (Dr. Alain Porporati, Ceramtec)

10:30 Coffee break

11:00 Triggers for cell differentiation (Prof. M. Zenobi, ETH Zürich)

12:00 Role of substrate on cell-material interactions (Prof. D. Hartmann, INSA Lyon)

13:00 LUNCH BREAK

14:00 Bacteria and antibacterial properties (Dr. Fintan Moriarty, ARI)

15:00 Use of bioreactors in tissue engineering (Dr. Sibylle Grad, ARI)

16:00 Biobone-ITN meetings ***(Biobone members only)***