

Participants from virtual institute

Name	Background	Experience with cells	email
Katrina Bobe	Veterinarian	yes	bobe.katharina@mh-hannover.de
Helvia Martinez	Biologist	yes	adela.martinez@hzg.de
Olga Kraus	Chemists	no	o.kraus@uke.de
Maryam Omidi	Chemists	no	momidi@uke.de
Yiyi Lu	Material Scientist	no	yiyi.lu@yhzg.de

1st day: Tuesday 04.06.2013

Topic1 9:00-9:15:

- Welcome
- Introduction to Workshop

(M. Costantino)

Topic2 9:15- 9:35:

Introduction: Cells, Cell culture working

(D. Scharfenberger)

Topic3 9:35-10:15:

- *In Vitro* study compare to *in vivo* study: assays (extract of material) and measurements.
- Corrosion tests *in Vitro*: (material preparation, definition of static semi- static and dynamic immersion tests, bioreactor, corrosion detection methods and measurements)

(Dr. F. Feyerabend)

10:15-10:30

Break

← lab tour

Topic5 11:30-11:50

Polymerase Chain Reaction (PCR)

(Dr. B. Luthringer)

Topic6 11:50-12:00

Primary cells vs. Cell line
(A. Burmester)

12:00-13:00

Lunch

Topic7 13:00

Virtual Institute presentation

13:00-13:15 Helvia Martinez

13:15-13:30 Yiyi Lu

13:30-13:45 Katharina Bobe

13:45-14:00 Maryam Omid

14:00-14:30

Open discussion

2st day: Wednesday 05.06.2013

09:00-12:00

Lab work:

- Suspension cell culture vs Adherent cell culture
- Osmomat, measurement of Ph with HydroDish HD24

12:00-13:00: Lunch breack

13.00-16.00

Lab work:

- RNA extraction and measurements

16:00

End of workshop