



Wednesday 02.09.2015 Afternoon

Session 1 - Introduction and Physical methods to test mucoadhesion

14.30 – 15.00

Introduction to mucoadhesion and classification of testing methods

Carla M. Caramella (University of Pavia, Italy)

15.00 – 15.30

Biophysical methods to study the interactions with mucin in solution: Viscosimetry, zeta potential, ITC, SAXS

Francisco M. Goycoolea/Bianca Menchicchi (University of Munster, Germany)

15.30 – 16.00. –

'Spectroscopic studies of the interactions between β -lactoglobulin and bovine submaxillary mucin' proteins

Ioannis Chronakis (Technical University of Denmark, Copenhagen, Denmark)

16.00 – 16.30

Coffee break

Session 2 - Applications

16.30 – 17.00

Mucoadhesive formulations for *Helicobacter pylori* therapy in the stomach

Bianca Menchicchi - (University of Erlangen, Germany)

17.00 – 17.30

Advanced drug delivery systems based on bioadhesion/mucoadhesion for local treatment of the oral cavity

Marianne Hiorth (University of Oslo, Norway)

17.30 – 18.00 –

Current state of electrospun biopolymeric fibers with mucoadhesive properties

Karen Stephansen, Ioannis S. Chronakis (Technical University of Denmark)

18.00 - 18.30

Mucoadhesion to manipulate the lubricity of mucin and mucus gels

Seunghwan Lee (Technical University of Denmark)

Thursday 03.09.2015 – Morning

Session 3 – Miscellaneous testing methods

9.30 – 10.00

Characterising intestinal mucus permeability using quantitative microscopy

Alan Mackie, Institute of Food Research, Norwich Research Park, Norwich, UK)

10.00-10.30

A microchip array for transport studies across the mucus barrier

Sylvia Wagner (Fraunhofer Institute for Biomedical Engineering, Sulzbach, Germany)

10.30 – 11.00

Use of Atomic Force Microscopy in Mucoadhesion measurements Malgorzata I. Adamczak
(University of Oslo, Norway)

11.00 – 11.20 Coffee break

11.20 – 12.10

How to set up and validate a performance mucoadhesion test

Francesca Saporito (University of Pavia, Italy)

12.10 – 12.30

Final discussions