

22/8 Monday

- 09.00 *Welcome & Introduction: Bernt Eric Uhlin & Anna Holmström*
- 09.10 – 10.00 *Lecture: Jörgen Johansson, MIMS-UCMR & Dept of Molecular Biology, Umeå Univ*
"Chicken embryos to study *Listeria monocytogenes* virulence"
- 10.15 Laboratory session
- 12.00 Lunch break
- 13.00 – 15.00 *Lecture: Jonathan Ewbank, Centre d'Immunologie de Marseille-Luminy, Marseille, France*
Part 1: "A general introduction to *Caenorhabditis elegans*"
Part 2: "*C. elegans* as a model for host-pathogen interactions"
- 15.00 – ca 17 Laboratory session
- 19.00 – *Get-together event*

23/8 Tuesday

- 08.30 – 09.30 *Lecture: Jonas von Hofsten, UCMM, Umeå Univ*
"Fish for science - the zebrafish, *Danio rerio*, model system"
- 09.30 Laboratory session
- 10.30 *Lecture: Nelson Gekara, MIMS-UCMR & Dept of Molecular Biology, Umeå Univ*
"How to model infections in mice"
- 12.00 Lunch break
- 13.00 – ca 17 Laboratory session

24/8 Wednesday

- 08.30 – 09.30 *Lecture: Sun Nyunt Wai, MIMS-UCMR & Dept of Molecular Biology, Umeå Univ*
"Predator models in studies of *Vibrio cholerae*"
- 09.30 Laboratory session
- 12.00 Lunch break
- 13.00 -15.00 *Lecture: Mattias Svensson, Department of Medicine, Huddinge, Karolinska Institutet*
Part 1: "New developments in *in vitro* models of multicellular tissue cultures"
Part 2: "Organotypic models of human tissue and their application in biomedical research"
- 15.00 – ca 17 Laboratory session

25/8 Thursday

- 08.30 – 09.15 *Lecture: Mikael Rhen, UCMR & Dept of Microbiology, Tumor and Cell Biology (MTC), Karolinska Institutet*
"Probabilistic modelling of infection"
- 09.30 Laboratory session
- 11.00 – 11.45 *Lecture: Anna Fahlgren, UCMR & Dept of Molecular Biology, Umeå Univ*
"*In vivo* bioluminescent imaging - methods and applications"
- 12.00 Course summary/evaluation/ departure