**Infection and Cancer**



**Course arranged by**

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| August 23, 2021 | |
| Day 1 - Introduction to Infections and Cancer | |
| 9:00-9:30 | **Welcome / Introduction of Course Participants**  *Teresa Frisan, Saskia Erttmann, Sun Nyunt Wai, Ellen Bushell*  *Department of Molecular Biology, Umeå University, Sweden* |
| 9:30-11:15 | **Viruses and Cancer**  *Maria Masucci*  *Department of Cell and Molecular Biology, Karolinska Institute, Sweden* |
| 11:15-11:30 | **Break** |
| 11:30-12:00 | **Discussions with the speaker**  *Maria Masucci*  *Department of Cell and Molecular Biology, Karolinska Institute, Sweden* |
| 12:00-13:00 | **Lunch** |
| 13:00-14:45 | **Bacteria and Cancer**  *Jacques Neefjes*  *Department of Cell and Chemical Biology, Leiden University Medical Center; and Oncode Institute, The Netherlands* |
| 14:45-15:00 | **Break** |
| 15:00-15:30 | **Discussions with the speaker**  *Jacques Neefjes*  *Department of Cell and Chemical Biology, Leiden University Medical Center; and Oncode Institute, The Netherlands* |
| 15:30-15:45 | **Presentation of the course assignment**  *Course organizers: Teresa Frisan, Saskia Erttmann, Sun Nyunt Wai, Ellen Bushell*  *Department of Molecular Biology, Umeå University, Sweden* |

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| August 24, 2021 | |
| Day 2 - UCMR Infection and Cancer Symposium | |
| 9:00-9:15 | **Welcome**  *Teresa Frisan, Saskia Erttmann, Sun Nyunt Wai, Ellen Bushell*  *Department of Molecular Biology, Umeå University, Sweden* |
| *Chairperson: Teresa Frisan* | |
| 9:15-10:00 | **Stem-cell driven models to understand epithelial response to infections and cancer initiation**  *Francesco Boccellato*  *Ludwig Institute for Cancer Research, University of Oxford, UK* |
| 10:00-10:45 | **Strategies for host cell reprogramming during viral infections**  *Maria Masucci*  *Department of Cell and Molecular Biology, Karolinska Institute, Sweden* |
| 10:45-11:00 | **Break** |
| 11:00-11:45 | **Control of human papillomavirus E6 and E7 oncogene expression at the level of RNA splicing**  *Stefan Schwartz*  *Department of Laboratory Medicine, Lund University, Sweden* |
| 11:45-12:30 | **Lunch** |
| 12:30-14:00 | **Poster Viewing (including poster walks)** |
| 14:00-14:45 | **The microbiota, immune response and molecular subtypes in human colorectal cancer**  Richard Palmqvist  Department of Medical Biosciences, Pathology, Umeå University |
| *Chairpersons: Saskia Erttmann and Ellen Bushell* | |
| 14:45-15:45 | **Presentations selected from the poster abstracts** |
| 15:45-16:00 | **Break** |
| *Chairperson: Sun Nyunt Wai* | |
| 16:00-16:45 | **Oncolytic adenoviruses in cancer therapy: where are we clinically?**  *Akseli Hemminki*  *Department of Oncology, University of Helsinki, Finland* |
| 16:45-17:30 | **Intestinal *Escherichia coli* and colorectal cancer**  *Jenelle Arthur*  *Department of Microbiology and Immunology, University of North Carolina* |
| 17:30-17:45 | **Break** |
| 17:45-18:30 | **Synthetic biology: From engineered bacteria gene circuits to cancer therapy**  *Tal Danino*  *Synthetic Biological Systems Laboratory, Columbia University, New York* |
| 18:30-18:45 | **Poster prize and concluding remarks** |

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| August 25, 2021 | |
| Day 3 - Poster Discussions | |
| *Chairpersons: Teresa Frisan, Saskia Erttmann, Sun Nyunt Wai, Ellen Bushell* | |
| 9:30-12:30 | **Poster Presentations and Discussion** |
| 12:30- | **Start work on the assignments** |
| August 26, 2021 | |
| Day 4 - Assignment Discussions and Planning | |
| 9:30-12:30 | **Work on the assignments in groups (in Zoom)**  ***Course organizers are available from 11:00-12:00 to answer questions***  *Teresa Frisan, Saskia Erttmann, Sun Nyunt Wai, Ellen Bushell*  *Department of Molecular Biology, Umeå University, Sweden* |
| August 27, 2021 | |
| Day 5 - Assignment Presentations | |
| *Chairpersons: Teresa Frisan, Saskia Erttmann, Sun Nyunt Wai, Ellen Bushell* | |
| 9:00-15:30 | **Assignment presentations and peer review feedback** |
|  | **Concluding remarks by the organizers** |