

FEBS Practical Course 2020 | State-of-the-art Alternative Infection Models to study Molecular Mechanisms of Human Fungal Infections

Sunday, 2020/2/16

19:00 - 22:00 Restaurant

Welcome reception and dinner

Welcome

Monday, 2020/2/17

09:00 - 10:30 Seminar room

Introduction to animal and alternative infection models

Chairs: Ulrike Binder Ilse Jacobsen

Lectures

10:30 - 11:00 Seminar room

Coffee Break

Coffee/Lunch break

11:00 - 13:00 Seminar room

Safety instructions; Intro to Experiments 1, 2, and 3

Chairs: Ulrike Binder Ilse Jacobsen

Experiment 1: Galleria as infection model>Experiment 2: C. elegans as infection model>Experiment 3:

Embryonated eggs as infection model

Practical

13:00 - 14:00 Casino

Lunch

Coffee/Lunch break

14:00 - 15:00 MI lab

2 - C. elegans infection

Practical

15:00 - 16:00 MI lab

3 - Infection of embryonated eggs

Practical

16:00 - 17:00 LH3 social area

Coffee break

Coffee/Lunch break

17:00 - 18:00 Course lab

1 - Galleria infection

Chair: Ulrike Binder

Practical

19:00 - 21:00 Restaurant

Dinner

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Tuesday, 2020/2/18

09:00 - 09:30	Seminar room Intro to Experiment 5 Amoeba as natural phagocytes - Interaction with <i>Aspergillus fumigatus</i>	Practical
09:30 - 10:30	Lecture hall Lecture by Rhys Farrer	Lectures
10:30 - 11:00	LH3 social area Coffee break	Coffee/Lunch break
11:00 - 12:00	Course lab 5 - Amoeba handling and cultivation	Practical
12:00 - 13:00	MI lab 2 - <i>C. elegans</i> survival scoring	Practical
13:00 - 14:00	Casino Lunch	Coffee/Lunch break
14:00 - 15:00	Course lab 5 - Fungi as food sources for amoeba	Practical
15:00 - 15:30	LH3 social area Coffee break	Coffee/Lunch break
15:30 - 18:00	Course lab 5 - Phagocytic uptake and processing of <i>A. fumigatus</i> conidia by amoeba	Practical
19:00 - 21:00	Restaurant Dinner	

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Wednesday, 2020/2/19

09:00 - 09:30	Course lab Intro to Experiment 6	Practical
09:30 - 10:00	Course lab 6 - PBMC isolation	Practical
10:00 - 11:00	Lecture hall Lecture by Al Brown	Lectures
11:00 - 11:30	LH3 social area Coffee break	Coffee/Lunch break
11:30 - 13:00	Course lab 6 - PBMC isolation	Practical
13:00 - 14:00	Casino Lunch	Coffee/Lunch break
14:00 - 15:00	Course lab 6 - PBMC stimulation	Practical
15:00 - 16:00	MI lab 3 - Assessment of embryo viability	Practical
16:00 - 18:00	Course lab 6 - Macrophage killing by C. albicans	Practical
19:00 - 21:00	Restaurant Dinner	

Thursday, 2020/2/20

09:00 - 09:30	Seminar room Intro to Experiment 7	Practical
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09:30 - 10:30	Lecture hall Lecture by Elaine Bignell	Lectures
10:30 - 11:00	LH3 social area Coffee break	Coffee/Lunch break
11:00 - 13:00	Course lab 7 - Infection of epithelial cells	Practical
13:00 - 14:00	Casino Lunch	Coffee/Lunch break
14:00 - 15:00	Course lab 7 - Quantification of adhesion and fixation for invasion assay	Practical
15:00 - 16:00	FLI Visit to the experimental fish facility	Practical
16:00 - 18:00	Course lab 7 - Quantification of adhesion and fixation for invasion	Practical
19:00 - 21:00	Restaurant Dinner	

Friday, 2020/2/21

09:30 - 10:30	Lecture hall Lecture by Constantin Urban	Lectures
10:30 - 11:00	LH3 social area Coffee break	Coffee/Lunch break

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11:00 - 13:00	Course lab 7 - Quantification of invasion	Practical
13:00 - 14:00	Casino Lunch	Coffee/Lunch break
14:00 - 15:00	Course lab 7 - Quantification of epithelial damage	Practical
15:00 - 16:00	MI lab 1 - Scoring of Galleria survival	Practical
16:00 - 16:30	LH3 social area Coffee break	Coffee/Lunch break
16:30 - 17:30	Lecture hall Lecture by Teresa Zelante	Lectures
19:00 - 21:00	Restaurant Dinner	

Saturday, 2020/2/22

09:00 - 10:30	Course lab 6 - Quantification of cytokine response	Practical
10:30 - 11:00	LH3 social area Coffee break	Coffee/Lunch break
11:00 - 12:30	Seminar room Data evaluation experiments 1-3	Practical
12:30 - 13:00	Course lab 6 - ELISA	Practical

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13:00 - 14:00	LH3 social area Lunch	Coffee/Lunch break
14:00 - 15:00	Seminar room Data evaluation exp. 5 and 7	Practical
15:00 - 16:30	Course lab 6 - ELISA read out and data evaluation	Practical
16:30 - 18:00	Seminar room Final evaluation of experiments and course	Practical
19:00 - 23:59	Restaurant Farewell dinner and pub crawl	Farewell