

FEBS Advanced Lecture Course 2019 - HFP2019: Molecular Mechanisms of Host–Pathogen Interactions and Virulence in Human Fungal Pathogens

Saturday, 2019/5/18

15:00 - 16:30 HFP2019

Registration

Entrance

Others

15:00 - 15:15 **Talk Title Example 1**

Presenter Y

15:15 - 15:30 **Talk Title Example 2**

Presenter Z

15:30 - 16:00 **Talk Title Example 3**

Presenter W

16:30 - 18:00 HFP2019

OPATHY - World cafe (discussion sessions - optional)

>>World café concept is very simple: in a cozy atmosphere, several tables are arranged, where you can discuss previously defined questions around the topic of human pathogenic fungi. The discussion at each table will be led by one OPATHY researcher and one external expert from the field (more information soon). In several rounds, participants will actively discuss the table topic and then rotate between the tables, carrying key ideas and thoughts. This large group dialogue is a great possibility to exchange perspectives, get new insights, meet new people and actively contribute your thinking. We are looking forward to seeing you there! >>

Talks

18:00 - 19:00 HFP2019

Registration

Others

19:00 - 20:30 HFP2019

Dinner

Cafeteria

Others

20:30 - 21:30 HFP2019

Keynote lecture - Judith Berman Beyond resistance: insights into subpopulation responses to antifungals

Sponsored by OPATHY

Talks

21:30 - 23:30 HFP2019

Welcome drinks

Central square

Others

Sunday, 2019/5/19

07:30 - 08:30 HFP2019

Breakfast

Cafeteria

Others

FEBS Advanced Lecture Course 2019 - HFP2019: Molecular Mechanisms of Host–Pathogen Interactions and Virulence in Human Fungal Pathogens

08:30 - 08:50	HFP2019 Session 1: Introduction by the chair	Session 1, Sponsored by SFMM: Pathogenic fungi – genomics, evolution and epidemiology
	Chair: Geraldine Butler	
08:50 - 09:20	HFP2019 Christophe d’Enfert <i>Candida albicans</i> genome diversity: mechanisms and consequences	Session 1, Sponsored by SFMM: Pathogenic fungi – genomics, evolution and epidemiology
09:20 - 09:50	HFP2019 Toni Gabaldon Genome comparisons reveal the secret life of <i>Candida glabrata</i>: not so asexual, not so commensal	Session 1, Sponsored by SFMM: Pathogenic fungi – genomics, evolution and epidemiology
09:50 - 10:20	HFP2019 Coffee break	Others
10:20 - 10:50	HFP2019 Christina Cuomo Genome evolution of virulence traits and drug resistance in human fungal pathogens	Session 1, Sponsored by SFMM: Pathogenic fungi – genomics, evolution and epidemiology
10:50 - 11:20	HFP2019 Joe Heitman Fungal genome and mating system transitions facilitated by chromosome translocation and fusion	Session 1, Sponsored by SFMM: Pathogenic fungi – genomics, evolution and epidemiology
11:20 - 11:50	HFP2019 Anna Selmecki Mechanisms driving <i>C. albicans</i> genome plasticity in the presence and absence of antifungal drugs.	Session 1, Sponsored by SFMM: Pathogenic fungi – genomics, evolution and epidemiology
12:15 - 13:30	HFP2019 Lunch	Others

FEBS Advanced Lecture Course 2019 - HFP2019: Molecular Mechanisms of Host–Pathogen Interactions and Virulence in Human Fungal Pathogens

15:00 - 15:45	HFP2019 OPATHY - Discussion results	Talks
	<p>>OPATHY (from Omics of PATHogenics Yeasts) is a European Training Network funded by the H2020-MSCA-ITN program that explores the potential of next-generation high-throughput technologies, including genomics, transcriptomics and proteomics, for diagnostics of yeasts pathogens and for studying their interactions with their host. The OPATHY consortium will organise its final meeting in frame of the HFP2019. OPATHY will sponsor the keynote talk of Judith Berman, and present the network and the achieved work, through a series of activities open to all HFP2019 participants. More information at >>www.opathy.eu>> ></p>	
15:45 - 16:45	HFP2019 Selected talks	Talks
16:45 - 17:15	HFP2019 Coffee break	Others
17:15 - 18:15	HFP2019 Elevator talks	Talks
19:00 - 20:30	HFP2019 Dinner	Others
20:30 - 23:00	HFP2019 Poster session 1	Poster Sessions

Monday, 2019/5/20

07:30 - 08:30	HFP2019 Breakfast	Others
08:30 - 08:50	HFP2019 Session 2. Introduction by the chair	Session 2: Molecular and cellular biology of fungal pathogens
	Chair: Joachim Morschhäuser	
08:50 - 09:20	HFP2019 Martine Bassilana Cellular dynamics during Candida albicans morphogenesis	Session 2: Molecular and cellular biology of fungal pathogens

FEBS Advanced Lecture Course 2019 - HFP2019: Molecular Mechanisms of Host–Pathogen Interactions and Virulence in Human Fungal Pathogens

09:20 - 09:50	HFP2019 Elaine Bignell From systems biology to damage limitation in <i>Aspergillus</i> -related disease	Session 2: Molecular and cellular biology of fungal pathogens
09:50 - 10:20	HFP2019 Coffee break	Others
10:20 - 10:50	HFP2019 Jim Kronstad Host sensing, nutrient acquisition and cryptococcal virulence	Session 2: Molecular and cellular biology of fungal pathogens
10:50 - 11:20	HFP2019 Aaron Mitchell Circuit diversification in a biofilm regulatory network	Session 2: Molecular and cellular biology of fungal pathogens
11:20 - 11:50	HFP2019 Karl Kuchler Chromatin Dynamics - a Double-Edged Sword in Fungal Virulence	Session 2: Molecular and cellular biology of fungal pathogens
12:15 - 13:30	HFP2019 Lunch	Others
15:45 - 16:45	HFP2019 Selected talks	Talks
16:45 - 17:15	HFP2019 Coffee break	Others
17:15 - 18:15	HFP2019 Elevator talks	Talks
19:00 - 20:30	HFP2019 Dinner	Others

FEBS Advanced Lecture Course 2019 - HFP2019: Molecular Mechanisms of Host–Pathogen Interactions and Virulence in Human Fungal Pathogens

20:30 - 23:00 HFP2019

Poster session 2

Poster Sessions

Tuesday, 2019/5/21

07:30 - 08:30 HFP2019

Breakfast

Others

08:30 - 08:50 HFP2019

Session 3: Introduction by the chair

Session 3: Advanced tools for human fungal pathogen research

Chair: Hubertus Haas

08:50 - 09:10 HFP2019

Guilhem Janbon Title: Spike in your RNA-Seq experiments. How to do it and what you might gain doing it.

Session 3: Advanced tools for human fungal pathogen research

09:10 - 09:30 HFP2019

Christopher Thornton Antibody-guided imaging of invasive fungal infections

Session 3: Advanced tools for human fungal pathogen research

09:30 - 09:50 HFP2019

Greetje Vande Velde A non-invasive imaging toolbox to monitor fungal infection progression, dissemination and host response in small animal models

Session 3: Advanced tools for human fungal pathogen research

09:50 - 10:10 HFP2019

Sergio Grinstein How host cells respond to Candida hyphal growth

Session 3: Advanced tools for human fungal pathogen research

10:20 - 10:50 HFP2019

Coffee break

Others

FEBS Advanced Lecture Course 2019 - HFP2019: Molecular Mechanisms of Host–Pathogen Interactions and Virulence in Human Fungal Pathogens

10:50 - 11:10	HFP2019 Introduction by the chair Chair: Ilse Jacobsen	Session 4: Mycobiome
11:10 - 11:30	HFP2019 Iliyan Iliev Immune interactions with intestinal mycobiota during health and disease	Session 4: Mycobiome
11:30 - 11:50	HFP2019 Christian Pérez Gut colonization by Candida albicans	Session 4: Mycobiome
11:50 - 12:10	HFP2019 Bastiaan Krom Fungi in the oral cavity; directors of the bacteriome?	Session 4: Mycobiome
12:30 - 13:30	HFP2019 Lunch	Others
14:00 - 23:00	HFP2019 Free afternoon and evening.	Others

Wednesday, 2019/5/22

07:30 - 08:30	HFP2019 Breakfast	Others
08:30 - 08:50	HFP2019 Session 5: Introduction by the chair Chair: Julian Naglik	Session 5: Host-pathogen interactions, the host perspective
08:50 - 09:20	HFP2019 Ana Traven Metabolic regulation of Candida-macrophage interactions	Session 5: Host-pathogen interactions, the host perspective

FEBS Advanced Lecture Course 2019 - HFP2019: Molecular Mechanisms of Host-Pathogen Interactions and Virulence in Human Fungal Pathogens

09:20 - 09:50	HFP2019 Selinda Orr CLRs and anti-fungal immunity	Session 5: Host-pathogen interactions, the host perspective
09:50 - 10:20	HFP2019 Coffee break	Others
10:20 - 10:50	HFP2019 Oliver Kurzai Fungi in blood - how fungal pathogens interact with circulating immune cells	Session 5: Host-pathogen interactions, the host perspective
10:50 - 11:20	HFP2019 Tobias Hohl Foiling fungal invasion: Interactions of the Immune System with Acquired and Endogenous Fungi	Session 5: Host-pathogen interactions, the host perspective
11:20 - 11:50	HFP2019 Salomé Leibundgut-Landmann IL-17 in antifungal immunity: beyond Candida	Session 5: Host-pathogen interactions, the host perspective
12:15 - 13:30	HFP2019 Lunch	Others
13:30 - 15:00	HFP2019 Sports event	Others
15:45 - 16:45	HFP2019 Selected talks	Talks
16:45 - 17:15	HFP2019 Coffee break	Others
17:15 - 18:15	HFP2019 Elevator talks	Talks

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19:00 - 20:30 HFP2019
Dinner Others

20:30 - 23:00 HFP2019
Poster session 3 Poster Sessions

Thursday, 2019/5/23

07:30 - 08:30 HFP2019
Breakfast Others

08:30 - 08:50 HFP2019
Session 6. Introduction by the chair Session 6: Host-pathogen interactions, the pathogen perspective

Chair: Mike Lorenz

08:50 - 09:20 HFP2019
Tamara Doering Sugars and surfaces – what’s important to Cryptococcus? Session 6: Host-pathogen interactions, the pathogen perspective

09:20 - 09:50 HFP2019
Guanghua Huang Interactions between the emerging fungal pathogen Candida auris and the host Session 6: Host-pathogen interactions, the pathogen perspective

09:50 - 10:20 HFP2019
Coffee break Others

10:20 - 10:50 HFP2019
Axel Brakhage Surface molecules of Aspergillus fumigatus decisive for immune evasion Session 6: Host-pathogen interactions, the pathogen perspective

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10:50 - 11:20	HFP2019 Janet Quinn Fungal stress signalling pathways as mediators of virulence (and how we can exploit this).	Session 6: Host-pathogen interactions, the pathogen perspective
11:20 - 11:50	HFP2019 Robin May Exploring the host-pathogen arms race in cryptococcosis	Session 6: Host-pathogen interactions, the pathogen perspective
12:15 - 13:30	HFP2019 Lunch	Others
15:00 - 15:20	HFP2019 Session 7. Introduction by the chair Chair: Damian Krysan	Session 7: Antifungal strategies
15:20 - 15:40	HFP2019 David Perlin Success and challenges of glucan synthase inhibitors	Session 7: Antifungal strategies
15:40 - 16:00	HFP2019 José Lopez-Ribot Novel Strategies to the Treatment of Fungal Infections with Emphasis on Anti-virulence Approaches	Session 7: Antifungal strategies
16:00 - 16:20	HFP2019 Tihana Bicanic Cryptococcal meningitis: trials and tribulations	Session 7: Antifungal strategies
16:20 - 16:50	HFP2019 Coffee break	Others

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16:50 - 18:00 HFP2019
Keynote lecture by Jack Edwards and award ceremony
Development of a Candida Vaccine: Next Steps, Scientific and Development Challenges, and Implications for Other Fungi and Bacteria Talks

19:00 - 20:30 HFP2019
Dinner Others

20:30 - 01:30 HFP2019
Farewell party Others

Friday, 2019/5/24

06:00 - 09:00 HFP2019
Departure Others