

Schedule

Monday 15 April

Afternoon sessions

14.00-15.00h

Opening session. Programme presentation and course planning

15.00-16.30h

Overview on fungal pathogens and fungal infections.

Célia Pais

16.30-17.00h

Coffee break

17.00-18.00h

Epidemiology of fungal infections. How can we fight against fungal infections?

Célia Pais

Tuesday 16 April

Morning sessions

9.30-11.00 h

Fungal diagnostics: current techniques and future trends

Paula Sampaio

11.00-11.30h

Coffee break

11.30-12.30 h

Fungal species identification: practical examples.

Joana Pereira

Afternoon sessions

14.00-15.30h

Innovations in the molecular identification of fungi: does population diversity account?

Paula Sampaio

15.30-16.00h

Fungal strain differentiation: practical examples.

Catarina Vaz

16.00-17.00h

Coffee break

17.00-18.00h

Global discussion and work assignment.

Paula Sampaio, Célia Pais

Wednesday 17 April

Morning sessions

9.30–10.30 h

DB seminar

10.30–11.00h

Coffee break

11.00–13.00h

Self study

Afternoon sessions

14.00–15.30h

Comparative genomics of *Candida* species

Gabriela Moura

15.30–16.00h

Coffee break

16.00–17.30h

The human pathogen *Candida albicans* has a statistical proteome.

Manuel Santos

Thursday 18 April

Morning sessions

9.30–11.00h

Role of carboxylate permeases in the pathogenicity of *Candida albicans*.

Sandra Paiva

11.00–11.30h

Coffee break

11.00–12.30h

How do fungi cause disease? Fungal virulence factors.

Paula Sampaio

Afternoon sessions

14.00–15.30h

Virulence factors of non-*Candida albicans* *Candida* species

Sónia Silva

15.30–16.00h

Coffee break

16.00–17.30h

How do fungi cause disease? Pathogen-host interactions.

Alexandra Correia

Friday 19 April

Morning sessions

9.30 – 11.00h

New antifungal strategies: immunoprotection

Alexandra Correia

11.00–11.30h

Coffee break

11.30-12.00h

Cationic liposomes as antigenic delivery systems: development of an immunoprotective strategy against *C. albicans* infections

Catarina Carneiro

Afternoon sessions

14.00-18.00h

Self study

Monday 22 April

Morning sessions

9.30 – 11.00h

Plant-fungi interactions: the crosstalk between two partners

Teresa Lino Neto

11.00–11.30h

Coffee break

11.30-12.30h

Preparation of practical sessions

Afternoon sessions

14.00-18.00h

Practical session P2– Macrophage infection with *Candida* cells

Practical session P3– Phagocytosis quantification and cell viability determination

Tuesday 23 April

Morning sessions

9.00 – 12.00h

Practical session P3– Staining, observation under the fluorescence microscope and cell viability determination

Afternoon sessions

14.00-18.00h

Practical session P4 – Organization of the results

Wednesday 24 April

Morning sessions

9.00 – 12.00h

Preparation of the practical work presentation

Afternoon sessions

14.00-16.00h

Preparation of the practical work presentation

16.00-18.00h

Discussion of the results obtained in the practical work

Thursday 25 April

Preparation of work presentations

Friday 26 April

09.30-16.30h

Presentation of the papers

Thursday 2 May

09.30-12.30h

Molecular multitasking in *Candida albicans* during adaptation to complex host niches

Alistair Brown

