



3rd ISHAM-International Veterinary Mycology Course
Monday 18 - Friday 22, December 2017
Department of Parasitology, Mycology, Dermatology
Ecole Nationale Vétérinaire d'Alfort, Maisons-Alfort, France

Course Directors:



Prof. Jacques Guillot, DVM, PhD, dipl. EVPC
Ecole nationale vétérinaire d'Alfort, France



Dr. Amir Seyedmousavi, DVM, PhD
National Institute of Health, Bethesda, USA



Prof. René CHERMETTE, DVM, dipl. EVPC
Ecole nationale vétérinaire d'Alfort, France

Minimum number of applicants: 15

Deadline for application: October 1st, 2017

Registration fees:

EURO 600 for students (including PhD students and residents), postdocs

EURO 1000 for academia or veterinary practitioners

EURO 1400 for members of private companies

(Accommodation is not included)

For registration click here: <https://goo.gl/forms/NKQRQCERVWhwDFdz1>

or

send an e-mail to Prof. Jacques Guillot (jacques.guillot@vet-alfort.fr) or Dr. Amir Seyedmousavi (Seyedmousavi@nih.gov).

Course Faculty:

Dr. Vit Hubka, Czech Republic

Prof. Henrik Jensen, Denmark

Dr. Pascal Arné, France

Prof. Javier Cabañes, Spain

Prof. René Chermette, France

Prof. Jacques Guillot , France

Dr. Eric Dannaoui, France

Dr. Edouard Reyes-Gomes, France

Dr. Veronica Risco, France

Dr. Ramona Moraru, France

Prof. Ilse Jacobsen, Germany

Dr. Gudrun Wibbelt, Germany

Dr. Andrea Peano, Italy

Dr. Patrizia Danesi, Italy

Prof. Sybren de Hoog, Netherlands

Prof. Bernard Mignon, Belgium

Prof. Elena Piecková, Slovakia

Prof. Paul Verweij, Netherlands

Ton Rijs, Netherlands

Hein van der Lee, Netherlands

Marlou Tehupeiory-Kooreman, Netherlands

Prof. Matthew Fisher, United Kingdom

Dr. Kate English, United Kingdom

Dr. Amir Seyedmousavi, USA/IRAN

Monday 18 December: BASIC ASPECTS OF FUNGAL BIOLOGY AND INTRODUCTION TO VETERINARY MYCOLOGY

8:30-9:00 . Jacques Guillot / Amir Seyedmousavi / René Chermette

Opening of the course, welcome / Overview of the course

9:00-10:00 . Sybren de Hoog / Amir Seyedmousavi

Lecture 1. Introduction of the Kingdom Fungi, taxonomy and classification, identification / barcoding

10:00-10:30. Sybren de Hoog/Amir Seyedmousavi

Lecture 2. Biosafety

10:30–11:00 Coffee break

11:00-11:30. Jacques Guillot

Lecture 3. Overview of fungal infections in animals. Classification of mycoses, relative importance, clinical manifestations etc.

11:30-12:00 . René Chermette / Veronica Risco

Lecture 4. Overview of diagnostic procedures in veterinary mycology

12:00-12:30 . Ton Rijs / Hein van der Lee/ Marlou Tehupeiry-Kooreman

Lecture 5. Mycology laboratory: Introduction and principles

12:30-13:30: Lunch

13:30-16:00 . Sybren de Hoog / Amir Seyedmousavi / Jacques Guillot / René Chermette / Ton Rijs / Hein van der Lee/ Marlou Tehupeiry-Kooreman

Practicals 1. Basic principles of moulds and yeasts identification (conidiogenesis, physiological tests, use of molecular tools etc.), Use of the Atlas (demonstration)

16:00–16:30 Coffee break

16:30-17:30 .Sybren de Hoog / Amir Seyedmousavi / Jacques Guillot / René Chermette / Ton Rijs / Hein van der Lee/ Marlou Tehupeiry-Kooreman

Practicals 2. Identification of the main species of *Aspergillus*, Identification of the main species of Mucorales

Tuesday 19 December: CUTANEOUS MYCOSES IN ANIMALS

8:30-9:30 .Vit Hubka

Lecture 6. Biology, classification, genetic diversity of dermatophytes

9:30-10:00 .Bernard Mignon

Lecture 7. Virulence factors, pathogeny of dermatophytoses

10:00–10:30 Coffee break

10:30-11:30 .Andrea Peano

Lecture 8. Epidemiology, clinical signs of dermatophytoses in animals

11:30-12:30 .Javier Cabañes

Lecture 9. Dermatormycoses of reptiles

12:30-13:30: Lunch

13:30-16:00 . Vit Hubka / Andrea Peano / René Chermette / Jacques Guillot / Ton Rijs / Hein van der Lee/ Marlou Tehupeiory-Kooreman

Practicals 3. Identification of dermatophytes (direct examination, culture)

16:00–16:30 Coffee break

16:30-17:00 Jacques Guillot

Lecture 10. Malassezia yeasts and Malassezia dermatitis in animals

17:00-17:30 . Jacques Guillot / Javier Cabanes / Ton Rijs / Hein van der Lee/ Marlou Tehupeiory-Kooreman

Practicals 4. Identification of Malassezia yeasts

Wednesday 20 December: SYSTEMIC FUNGAL INFECTIONS IN ANIMALS, CYTOLOGY AND HISTOPATHOLOGY OF FUNGAL INFECTIONS IN ANIMALS

8:30-9:00 . Amir Seyedmousavi

Lecture 11. Aspergillus and aspergillosis in wild and domestic animals

9:00-9:45. Pascal Arné / Veronica Risco

Lecture 12. Aspergillosis in birds

9:45-10:30 .Paul verweij

Lecture 13. Antifungal-resistance in Aspergillus spp. (Possible role of Agriculture)

10:30–11:00 Coffee break

11:00-11:45 Patrizia Danesi

Lecture 14. Cryptococcus yeasts

11:45-12:30 René Chermette

Lecture 15. Cryptococcosis in animals

12:30-13:30: Lunch

13:30-14:15 .Kate English

Practicals 5. Clinical cases / Cytology

14.30-15.30 .Henrik E. Jensen

Lecture 16. Histopathology of animal mycoses

15:30–16:00 Coffee break

16:00-17:30 .Henrik E. Jensen / Edouard Reyes Gomes

Practicals 6. Histopathology of animal mycoses

Thursday 21 December: ANIMAL MODELS, MYCOTOXICOSES, ANTIFUNGAL DRUGS AND ANTIFUNGAL SUSCEPTIBILITY, Clinical Practice

8:30-9:30 .Ilse Jacobsen

Lecture 17. Experimental animal / alternative models of fungal infections

9:30-10.30 .Elena Piecková

Lecture 18. Mycotoxins and mycotoxicoses in animals

10:30–11:00 Coffee break

11:00-11:30 . Amir Seyedmousavi

Lecture 19. Antifungal treatment of animal mycoses

12:00-13:00 . Eric Dannaoui

Practicals 7. Antifungal susceptibility testing: yeasts and filamentous fungi (Overview of laboratory procedures)

13:00-14:00: Lunch

14:00-14:30 .Visit of the Hospital for companion animals (CHUVA)

14:30-16:00. Andrea Peano / Ramona Moraru

Clinical case reports (part 1: cutaneous mycoses)

16:00–16:30 Coffee break

16.30-17.30 .René Chermette / Jacques Guillot

Clinical case reports (part 2: deep mycoses)

Friday 22 December: MYCOSES IN WILDLIFE

8:30-9:00 .Pascal Arné / Veronica Risco

Lecture 22. Presentation of the wildlife rescue center of Alfort (CEDAF)

Results of epidemiological surveys about mycoses in birds and hedgehogs

9:00-10:00. Matthew Fisher

Lecture 23. Chytridiomycosis

10:00–10:30 Coffee break

10:30-11:30. Gudrun Wibbelt

Lecture 24. Bat White Nose Syndrome

11:30-12:30. Final exam

12.30-13:00.Jacques Guillot / Amir Seyedmousavi / René Chermette

Course summary & closing remarks & certificates

13:00-14:00 Lunch & farewell