



1st International Veterinary Mycology Course

4-8 November 2013, Radboudumc

Nijmegen, The Netherlands



Course Directors and instructions



Prof. G. S. de Hoog
CBS, Utrecht
The Netherlands



Prof. J. Guillot
Ecole Nationale Vétérinaire
d'Alfort France



Radboudumc
university medical center

Dr. S. Seyedmousavi
Radboudumc, Nijmegen
The Netherlands



Course Faculty

	Name	Organization	Country
1.	Prof. H. E. Jensen	University of Copenhagen	Denmark
2.	Prof. J. Guillot	Ecole Nationale Vétérinaire	France
3.	Prof. R. Chermette	Ecole Nationale Vétérinaire	France
4.	Dr. P. Arné	Ecole Nationale Vétérinaire	France
5.	Dr. G. Wibbelt	Leibniz Institute for Zoo and Wildlife Research	Germany
6.	Dr. I. Jacobsen	Leibniz Institute for Natural Product Research and Infection Biology	Germany
7.	Dr. A. Peano	Turin University	Italy
8.	Prof. G.S. de Hoog	CBS-KNAW	Netherlands
9.	Prof. P. Verweij	Radboudumc	Netherlands
10.	Prof. M. Netea	Radboudumc	Netherlands
11.	Dr. W. Melchers	Radboudumc	Netherlands
12.	Dr. S. Seyedmousavi	Radboudumc	Netherlands
13.	T. Rijs (Laboratory)	Radboudumc	Netherlands
14.	H. van der Lee (Laboratory)	Radboudumc	Netherlands
15.	Dr. R. Ovchinnikov	The All-Russian State Center for Quality of Veterinary Drugs and Feeds	Russia
16.	Prof. E. Piecková	Slovak Medical University	Slovakia
17.	Prof. M. Fisher	Imperial College	United Kingdom



Course Participants

	Name	Organization	Country
1.	Sonya Bettenay	Sydney University	Australia
2.	Kurt Sick	Carinthian Institute for Veterinary Disease Control	Austria
3.	Sandra Bosco	Universidade Estadual Paulista - UNESP	Brazil
4.	Karol Račka	State Veterinary Institute Jihlava	Czech Republic
5.	Sébastien Viaud	AQUIVET Veterinary Clinic	France
6.	Karuna Singh	Banaras Hindu University	India
7.	Indarjulianto Soedarmanto	Gadjah Mada University	Indonesia
8.	Patrizia Danesi	Istituto Zooprofilattico Sperimentale delle Venezie	Italy
9.	Mohamed Mahdi Alshahni	Nippon Vet. and Life Science University	Japan
10.	Marloes van Dijk - de Reus	Utrecht University	Netherlands
11.	Ellen Christensen	Norwegian Veterinary Institute	Norway
12.	Ramona Moraru	Ion Ionescu de la Brad University	Romania
13.	Marina Manoyan	Russian National Academy of Mycology	Russia
14.	Roman Ovchinnikov	Russian National Academy of Mycology	Russia
15.	Bigna Rossetti	University of Bern	Switzerland
16.	Sabrina Rodriguez Campos	University of Bern	Switzerland



Course Venues

MONDAY – NOVEMBER 4TH 2013

09.00-12.30 hrs	lectures	Radboud campus	room Mertens C (route 139) *
12.30-13.30 hrs	lunch	Radboud campus	lunchroom (route 76) *
13.30-17.00 hrs	practice	elsewhere	HAN (room 2.55) ❖

TUESDAY – NOVEMBER 5TH 2013

09.00-12.30 hrs	lectures	Radboud campus	room Mertens C (route 139) *
12.30-13.30 hrs	lunch	Radboud campus	lunchroom (route 76) *
13.30-17.00 hrs	practice	elsewhere	Trigon-lab B (route 218) ❖

WEDNESDAY – NOVEMBER 6TH 2013

09.00-12.30 hrs	lectures	Radboud campus	room Mertens C (route 139) *
12.30-13.30 hrs	lunch	Radboud campus	lunchroom (route 76) *
13.30-17.00 hrs	practice	elsewhere	Trigon-lab B (route 218) ❖

THURSDAY – NOVEMBER 7TH 2013

09.00-12.30 hrs	lectures	Radboud campus	room Mertens C (route 139) *
12.30-13.30 hrs	lunch	Radboud campus	lunchroom (route 76) *
13.30-17.00 hrs	practice	elsewhere	Trigon-lab B (route 218) ❖

FRIDAY – NOVEMBER 8TH 2013

09.00-12.30 hrs	lectures	Radboud campus	room Mertens C (route 139) *
12.30-13.30 hrs	lunch	Radboud campus	lunchroom (route 76) *
13.30-17.00 hrs	exam, etc.	Radboud campus	room Mertens C (route 139) *

* Lecture room “Mertens C” (route 139) and lunchroom “Restaurant De Haardt” (route 76) are both on the ground floor in the building called “**Studiecentrum Medische Wetenschappen**” at the **Radboud campus**.

❖ The lab rooms of both “**HAN**” as well as “**Trigon**” can be found just outside the Radboud campus; both institutes face the street called Kapittelweg.



Course Program

Monday 4 November:

Morning sessions (Lectures): Radboud campus, room Mertens C (route 139)

9:00-9:15 Paul E. Verweij: Opening of the course

9:15-9:45 Sybren de Hoog/Jacques Guillot/Amir Seyedmousavi: Overview of the course

9.45-12.30 Sybren de Hoog:

- Introduction, general taxonomy, classification, bio safety

10:30-11:00 Coffee break

11.00-12.30 Sybren de Hoog

- Sexual life cycles, pleomorphism, asexual life cycles, genetic variation
- Sporotrichosis
- The Atlas CD-ROM: <http://www.clinicalfungi.org/demo/Atlas.html>

12.30-13.30: Lunch (Venue: Radboud campus, lunchroom (route 76))

Afternoon sessions (Practice lab): HAN (room 2.55)

13.30-15.00 Ton Rijs/Hein van der Lee

- Moulds identification

15:00-15:30 Coffee break

15.30-17.00 Ton Rijs/Hein van der Lee

- Yeasts identification

Tuesday 5 November:

Morning sessions (Lectures): Radboud campus, room Mertens C (route 139)

9:00-9:45 Jacques Guillot

- Diagnostic overview in veterinary mycology (conventional vs. molecular diagnostics)

9.45-10:30 Jacques Guillot

- Antifungal drugs, prevention and management of fungal infections in animals

10:30-11:00 Coffee break

11:00-11.45 Amir S. Seyedmousavi

- *In vitro-In vivo* pharmacokinetics and pharmacodynamics of antifungals

11:45-12:30 Paul Verweij

- Epidemiology of azole-resistant *Aspergillus fumigatus*

12.30-13.30: Lunch (Venue: Radboud campus, lunchroom (route 76))

Afternoon sessions (Lectures/Practice lab): Trigon-lab B (route 218)

13.30-15.00 Henrik E. Jensen

- Histopathology of animal mycoses

15:00-15:30 Coffee break

15.30-17.00 Henrik E. Jensen

- Histopathology of animal mycoses



Wednesday 6 November:

Morning sessions (Lectures): Radboud campus, room Mertens C (route 139)

9:00-9:45 Andrea Peano

- Dermatophytosis in companion animals

9.45-10:30 Jacques Guillot

- Pneumocystis and mammals

10:30-11:00 Coffee break

11:00-11.45 Mihai Netea

- Immune defense against fungal pathogens

11:45-12:30 Pascal Arné

- Aspergillosis in birds

12.30-13.30: Lunch (Venue: Radboud campus, lunchroom (route 76))

Afternoon sessions (Practice lab): Trigon-lab B (route 218)

13.30-15.00 Ton Rijs/Hein van der Lee

- Dermatophyte identification

15:00-15:30 Coffee break

15.30-17.00 Ton Rijs/Hein van der Lee/Amir Seyedmousavi

- Antifungal susceptibility testing: yeasts and filamentous fungi
(overview of laboratory procedures)

Thursday 7 November:

Morning sessions (Lectures): Radboud campus, room Mertens C (route 139)

9:00-9:30 Amir S. Seyedmousavi

- Phaeohyphomycoses in animals

9.30-10:00 René Chermette

- Cryptococcosis in cats

10:00-10.30 Jacques Guillot

- *Malassezia* dermatitis in animals

10:30-11:00 Coffee break

11:00-12:00 Elena Piecková

- Mycotoxins and mycotoxicoses in veterinary medicine

12:00-12.30 Roman Ovchinnikov

- Vaccines against dermatophytes in animals

12.30-13.30: Lunch (Venue: Radboud campus, lunchroom (route 76))

Afternoon sessions (Practice lab): Trigon-lab B (route 218)

13.30-14.30 Ton Rijs/Hein van der Lee/Amir Seyedmousavi

- Biomarker analysis (*Aspergillus* EIA)

14.30-15.30 Sybren de Hoog

- The Atlas CD-ROM: <http://www.clinicalfungi.org/demo/Atlas.html> and practical demonstration of identification keys

15:30-16:00 Coffee break

16.00-17.30 Ton Rijs/Hein van der Lee/Amir Seyedmousavi

- Biomarker analysis (*Aspergillus* EIA)



Friday 8 November:

Morning sessions (Lectures): Radboud campus, room Mertens C (route 139)

9:00-9:45 Matthew Fisher

- Chytridiomycosis

9.45-10:30 Gudrun Wibbelt

- Bat White Nose Syndrome

10:30-11:00 Coffee break

11:00-11.45 Ilse Jacobsen

- Experimental animal/alternative model of fungal infections

11:45-12:30 Willem Melchers

- New diagnostic tools and recent developments in molecular diagnostics in medical mycology

12.30-13.30: Lunch (Venue: Radboud campus, lunchroom (route 76))

Afternoon sessions (Exam/Closing remarks/Farewell): Radboud campus, room Mertens C (route 139)

13.30-15.00 Sybren de Hoog/ Jacques Guillot/ Amir S. Seyedmousavi

- Final exam

15:00-15:30 Coffee break

15.30-16:30 Jacques Guillot/Amir S. Seyedmousavi

- Course summary and closing remarks

16:30-18:00

- Certificates and farewell