

WORKSHOP

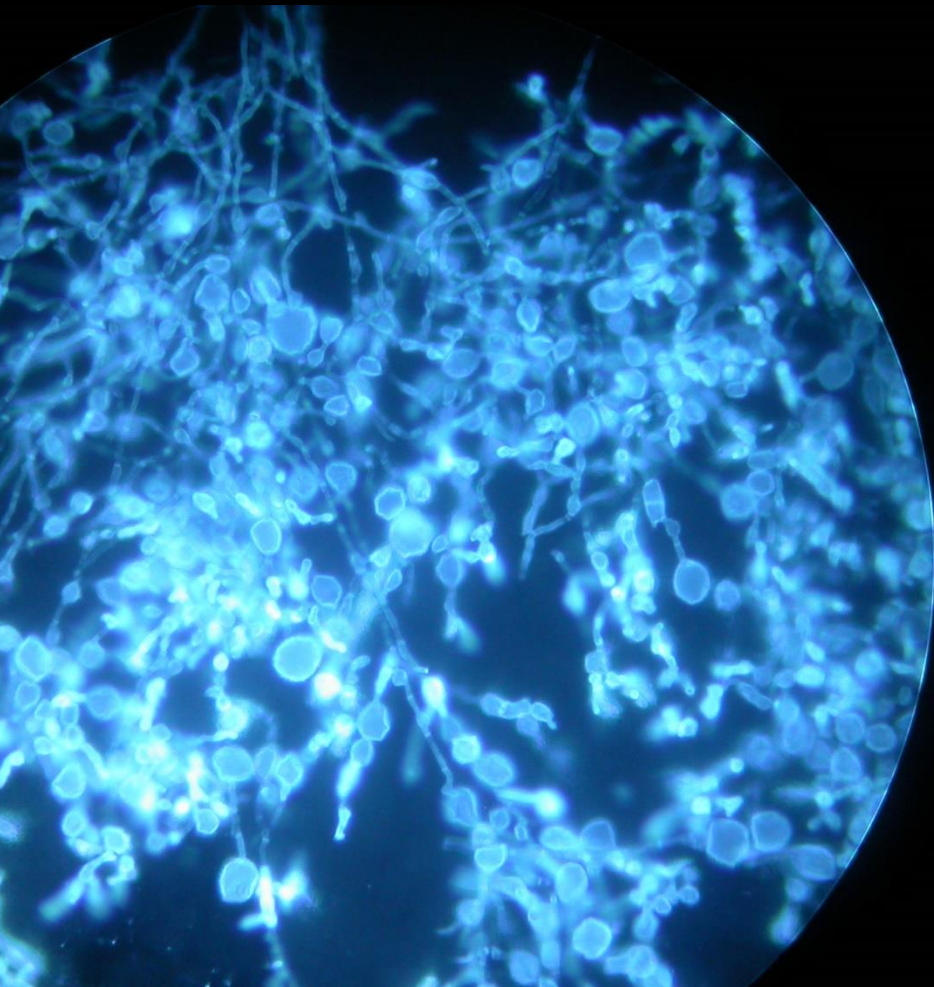
Azole resistance in *Aspergillus fumigatus*: the next step

31 January & 1 February 2019

Trippenhuis

Royal Netherlands Society of Arts and Sciences

Amsterdam, The Netherlands



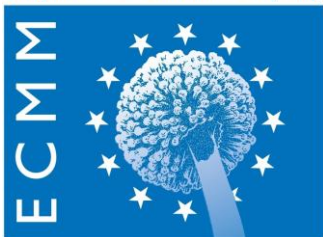
INTRODUCTION

Azole resistance is a concern for the management of diseases caused by *Aspergillus fumigatus* in humans. Azole fungicide use in the environment has been identified as possible cause for resistance development, and thus increases the complexity and number of stakeholders involved in this emerging problem. We aim to bring together relevant stakeholders including medical and agricultural researchers, representatives from the government, fungicide producers and users, and public health to review the current evidence supporting environmental resistance selection and to discuss which research and measures are needed to retain the azole class for environmental and medical applications.

prof. P. Verweij
prof J. Lucas
dr B. Fraaije
prof B. Zwaan

SUPPORTED BY:

European Confederation of Medical Mycology



KONINKLIJKE NEDERLANDSE
AKADEMIE VAN WETENSCHAPPEN

The patient

Chair: *prof. K. Lagrou*

- 09:00 In vitro susceptibility testing and surveillance **prof. M. Arendrup**
- 09:20 Diagnostic challenges and possible solutions **dr. W. Melchers**
- 09:40 Medical implications of resistance and management **prof. P. Verweij**

10:00 break

- 10:20 The lung mycobiome **prof. P. Bowyer**
- 10:40 Azole resistance in the global AMR perspective **prof. D. Denning**

11:00 Consensus discussion – medical needs

12:00 Lunch

The environment

Chair: *prof. P. Dyer*

- 13:00 Resistance risk assessment model revisited **prof. U. Gisi**
- 13:20 Fungicide resistance in different habitats and produce **dr. B. Fraaije**
- 13:40 Azole resistance and the concept of hotspots **prof. B. Zwaan**

14:00 break

- 14:20 Whole genome sequencing to unravel the origin and spread of resistance mutations **dr. J. Rhodes**
- 14:40 Experimental evolution experiments as tool to understand resistance selection **dr. S. Schoustra**

15:00 Fungicide resistance risk evaluation, resistance management – FRAC position **dr. K. Stenzel**

15:30 **Break-out session 1**

- I - Resistance selection environments: the concept of the hotspot
- II – From hotspot to lung lesion: relation between environment and human aspergillus disease

16:30 **Reporting back and round-up day 1**

17:30 Closing

Stakeholder views

Chair: *dr. A. Rietveld*

- 9:00 Fungicide producer **drs. E. Kiers**
- 9:20 Fungicide use in hot spots, example flower bulb production process **drs. A. Hoogendijk**
- 9:40 Connection to compost production as natural habitat of Aspergillus **t.b.a.**
- 10:00 Policy maker **t.b.a.**

10:20 break

10:30 **Break-out session 2**

- I – Which research is needed?
- II – Which measures are needed?

11:30 **Reporting back and discussion**

12:30 Lunch

Integrated research plan and prioritization

Chair: *prof. J. Lucas*

Prevention of resistance selection – risk matrix and hot spot areas, hot spot processes e.g. composting; Antifungal stewardship; Fungicide replacement; Diagnostic tools; Resistance surveillance; resistance management measures in medical and non-medical areas, Fungicide authorization procedure

13:30 Integrated plan

15:30 Priorities and summary

16:00 Closing

GENERAL INFORMATION

Registration fees

ECMM/ISHAM members	EUR 75
Non - members	EUR 250

The registration fee for delegates includes: Admission to the meeting, program, certificate of attendance, 2 lunches and all coffee breaks.

Registration is possible via the Congress Calendar on www.congresscare.com. Payment can be done online by: credit card (Mastercard / Visa)

Cancellations and refund requests must be submitted in writing to the congress secretariat. Cancellations made before 1 Jan 2019 will be refunded less EUR 50 to cover administration costs. After this date no refunds will be given. All refunds will be made after the congress.

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Venue

The Workshop “Azole resistance in *Aspergillus fumigatus*: the next step” will be held at the ‘Het Trippenhuis’, the historical building of the Royal Netherlands Society of Arts and Sciences (KNAW), in Amsterdam.

Address

‘Het Trippenhuis’
Kloveniersburgwal 29
1011 JV Amsterdam
Tel. +31-20 551 0700

Insurance

In registering for the Workshop delegates agree that neither the organization nor the congress agency Congress Care is responsible for individual medical, travel or personal insurance. Delegates are requested to make their own travel and health insurance. The organizers cannot assume liability for changes in the program due to external circumstances.

Accessibility

The Trippenhuis is 10 minutes walking distance from the Amsterdam Central Railway Station or alternatively 1 stop by Metro 51-53-54 to metro station Nieuwmarkt

Workshop language

The official congress language will be English. No simultaneous translation will be available.

Certificate of attendance

Certificates of attendance will be available for all participants.

ECMM Society Office & Organisation

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