2nd Duden Conference / 1st ISHAM-ECMM Aspergillus Resistance Surveillance (ARS) working Group meeting

On January 20th and 21st 2017 the first ARS-WG meeting was held in Berg en Dal, a village close to Nijmegen, in the Netherlands. The ARS-WG was initiated because of increasing reports of azole resistance in Aspergillus fumigatus and the implications for patient management. The meeting was held to present the latest insights in azole resistance, including epidemiology, methodology, laboratory aspects of azole resistance testing and genetic typing. During the program there was ample opportunity to discuss within the group which research questions are important to study going forward as well as what research questions are feasible through collaboration within the ARS-WG.

The meeting was attended by 43 participants from 15 countries (France, Belgium, Spain, Germany, the Netherlands, Denmark, Italy, Portugal, Switzerland, United Kingdom, Ireland, USA, Iran, China, and India) and was highly successful. Many participants appreciated the possibility to meet other investigators and to discuss mutual research interests. The meeting was very productive as we were able to set a research agenda for the ARS-WG and provide a forum for introduction of interested parties to establish future working collaborations.

The presentations are available through: www.e-materials.com/isham-ecmm2017; access code is ISHAM531
**PROGRAMME**

**Friday, 20 January 2017**

09:00 – 09:20 Welcome and Introduction – P. Verweij, J. Meis
09:20 – 09:40 Epidemiology of azole resistance in *Aspergillus*: a literature review – A. Chowdhary
09:40 – 10:30 Epidemiology of azole resistance in *Aspergillus*: personal observations and discussion (1) – All

10:00 – 10:30 break

11:00 – 11:20 Definitions of invasive aspergillosis and outcome measures – O. Cornely
11:20 – 11:40 Diagnosis of azole resistance and pitfalls – K. Lagrou
11:40 – 12:00 Discussion

12:00 – 13:30 Lunch

13:30 – 13:50 How to do surveillance and measure prevalence of resistance. A. Alanio
13:50 – 14:10 Data collection – the CDC experience. - S. Lockhart
14:10 – 14:30 Azole resistance mechanisms and role of WGS – M. Fisher
14:30 – 15:00 Discussion

15:00 – 15:30 break

15:30 – 15:50 Environmental habitats and resistance hot spots – J. Zhang
15:50 – 16:10 Epidemiology of azole resistance in *Aspergillus*: personal observations (2) - All
16:10 – 17:00 General discussion: relevant issues for ARS programs

18:00 – 20:00 Dinner

20:00 – 21:30 Introduction to ISHAM/ECMM Aspergillus Resistance Surveillance working group P. Verweij / S. Lockhart / K. Lagrou / A. Chowdhary

**Saturday, 21 January 2017**

09:00 – 10:30 Workshop surveillance – K. Lagrou / S. Lockhart / A. Chowdhary

10:30 – 11:00 break

11:00 – 12:00 Study protocol azole resistant *A. fumigatus* (Europe) – O. Cornely / P. Verweij
12:00 – 12:30 Discussion – All
12:30 – 13:00 Closure / farewell / Any other business

13:00 – 14:00 Lunch