

## ISHAM Working Group Annual Report 2018

### 1. Title of Working Group

Genomic Epidemiology of Fungal Infections

### 2. Name(s) of Coordinator(s) with email addresses

- Ana Alastruey-Izquierdo.
- Anastasia Litvintseva
- Matthew Fisher
- Christina Cuomo
- David Engelthaler

### 3. Website URL for external website (if relevant)

### 4. Objectives and expected outcomes for the forthcoming year

The objective of this year is to perform the pilot project comparing the performances of different SNP genotyping pipelines for whole genome sequencing analysis of outbreaks. We aim to have at least five groups involved. During this year 2019 we will analyze the data and communicate the results to the participants. A report with the main conclusions will be released for all the working group members and in a second stage after discussion to all ISHAM members.

During 2019 we will draft the manuscript to be submitted to an international journal with the main results of this pilot project.

### 5. Achievements of the Working Group in 2018 (250 words) <sup>1-3</sup>

The working group was officially accepted on March 26<sup>th</sup> 2018. We set up a working group meeting at the ISHAM conference in Amsterdam on July 2<sup>nd</sup> 2018 from 9 to 11:30 am. In this meeting, we officially launched the working group giving a short overview of the objectives and opened a round table discussion about challenges/unmet needs of fungal genomic epidemiology with a specific focus on public health. We developed a strategy how to address these needs. We agreed to run a pilot project, in which a set of reads from outbreak isolates will be sent to the participating labs to be analyzed using their favorite tools aimed at estimating of the extent of variability between different methods. By the end of 2018, 12 groups representing 11 institutions from 6 countries agreed to participate in the pilot and by February 2019, 10 groups have submitted results.

### 6. Publications arising from the Working Group

None-

**7. Funding provided by ISHAM in the past 3 years (Budget and year)**

None

**8. Composition of the working group**

Number of working group members: 25

Number of ISHAM members among WG members: Not known

<sup>1</sup> The achievement arising from the Working Group with acknowledge its status within ISHAM by explicitly including the phrase “ISHAM Working Group” in all public and professional publications, workshop programs, lectures, its website or similar activities.

<sup>2</sup> Achievements of the Working Group include but not limited to the following:

- meeting/workshop/training course/symposium of the working group,
- peer-reviewed publication,
- presentation (symposium, oral or poster paper) from working group during ISHAM congress,
- contribute material to the main ISHAM website and its regular newsletter.
- Increase ISHAM members, strengthen link between ISHAM and working group, and enhance visibility of ISHAM.

<sup>3</sup> Supporting information for achievements are welcome.

Please complete and return to Dr. Yee-Chun Chen ([yeechunchen@gmail.com](mailto:yeechunchen@gmail.com)) by February 7, 2019

Reports will be placed on the ISHAM webpage

( <https://www.isham.org/working-groups> ) for the respective working group.