

## ISHAM Working Group Annual Report 2018

### 1. Title of Working Group

**Sporothrix spp. and Sporotrichosis**

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

Leila M Lopes Bezerra

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Shanshan Li

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

NONE – we are working to renew the previous Home Page and looking for funding.

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

1. Prepared the 3<sup>rd</sup> International Meeting on Sporothrix and Sporotrichosis to be hosted in India and alternatively Brazil or China, in 2020 with the local organizers during the ISHAM CONFERENCE in 2018.

2. The WG Coordination discussed and proposed a Program to the local Organizing Committee of the 3<sup>rd</sup> International Meeting for 2020. We will continue to work together with the Organizing Committee to launch the preliminary program and call for abstracts for the next WG meeting at least 9 months in advance.

3. The Coordination establish the organization of a *Sporothrix globosa* Working group in Asia, organized by Dr. Shanshan Li and of a *Sporothrix brasiliensis* Working group in Brazil organized by Dr. Leila Lopes Bezerra. These local working groups composed by several members and professionals will be working during 2019 to propose a consensus on diagnosis, treatment and clinical aspects on these emerging infections. The material will be discussed with all members during the 3<sup>rd</sup> International Meeting on Sporothrix and Sporotrichosis.

4. The new coordination (2018-2021) will connect closely by meeting or conference and share information with all members of the Working Group by the Working Group email: [sporothrixwg@gmail.com](mailto:sporothrixwg@gmail.com)

5. Dr. Shanshan Li plan to invite Prof. Leila Lopes Bezerra to make a presentation for dermatologists or mycological researchers in China, as for promoting the 3rd International Sporotrichosis and Sporothrix Meeting in INDIA, March 2020.

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

We introduced the 3rd International Sporotrichosis and Sporothrix Meeting in INDIA to Chinese dermatologists or mycological researchers during the 3<sup>rd</sup> Fungal Infection and Host Immunity Meeting.

We organized the Symposia of the ISHAM Working Group during the ISHAM Conference 2018 and the plenary room was completely full. The invited speakers were from Europe, North America and South America. During the ISHAM Conference we also planned with the local organizers from India the 3<sup>rd</sup> International Meeting planned for 2020. The WG International Meeting occurs every 3 years and the last one was in Mexico, 2017.

The WG Coordination already prepared a Program Proposal for the 3<sup>rd</sup> International Meeting to be hosted by Dr. Arunaloke Chakrabarti in India. The proposal is under discussion with the local organization. The Program has a focus on *S. brasiliensis* and *S. globosa* emerging infections as deliberated by the assembly members, in 2017.

The results of the local Working Groups on each emerging new species, *S. brasiliensis* and *S. globosa*, were organized during 2018, as exposed above. Their work should be part of the 3<sup>rd</sup> Meeting Program and the results of these local working groups with experts in the new species will be open for discussion during the 3<sup>rd</sup> Meeting on 2020.

The first call for the 3<sup>rd</sup> WG International Meeting was made this week and the second call with information about the date, local and a call for Abstracts is planned for July/August 2019, at least 9 months in advance. We intend to include as much as Young ISHAM members as possible to be part of this community and to attend the meeting.

#### **6. Publications arising from the Working Group**

##### **1) A review article of the Working Group (all authors are WG members) was published in a special issue of Medical Mycology organized by ISHAM 2018 for the ISHAM working groups:**

Sporotrichosis between 1898 and 2017: The evolution of knowledge on a changeable disease and on emerging etiological agents.

By Lopes-Bezerra LM, Mora-Montes HM, Zhang Y, Nino-Vega G, Rodrigues AM, de Camargo ZP, de Hoog S.

Med Mycol. 2018 Apr 1;56(suppl\_1):126-143. doi: 10.1093/mmy/myx103. Review.

##### **2) A special issue of Journal of Fungi with 2<sup>nd</sup> International Meeting on Sporothrix and Sporotrichosis publications was organized by Dr. Hector**

**Mora Montes (previous Coordinator) in 2018:**

[https://www.mdpi.com/journal/jof/special\\_issues/sporothrix](https://www.mdpi.com/journal/jof/special_issues/sporothrix)

### **Special Issue “*Sporothrix* and Sporotrichosis”**

by Héctor M. Mora-Montes

*J. Fungi* **2018**, *4*(4), 116; <https://doi.org/10.3390/jof4040116>

Received: 11 October 2018 / Accepted: 11 October 2018 / Published: 12 October 2018

(This article belongs to the Special Issue *Sporothrix* and *Sporotrichosis*)

### ***Sporothrix schenckii* Cell Wall Proteins-Stimulated BMDCs Are Able to Induce a Th1-Prone Cytokine Profile In Vitro**

by Camila Quinello, Lucas Souza Ferreira, Isabella Picolli, Maria Luiza Loesch, Deivys Leandro Portuondo, Alexander Batista-Duarte and Iracilda Zeppone Carlos

*J. Fungi* **2018**, *4*(3), 106; <https://doi.org/10.3390/jof4030106>

Received: 4 August 2018 / Revised: 30 August 2018 / Accepted: 31 August 2018 / Published: 2 September 2018

(This article belongs to the Special Issue *Sporothrix* and *Sporotrichosis*)

### **Ecological Determinants of Sporotrichosis Etiological Agents**

by Max C. Ramírez-Soto, Elsa G. Aguilar-Ancori, Andrés Tirado-Sánchez and Alexandro Bonifaz

*J. Fungi* **2018**, *4*(3), 95; <https://doi.org/10.3390/jof4030095>

Received: 29 June 2018 / Revised: 4 August 2018 / Accepted: 10 August 2018 / Published: 12 August 2018

### **Monitoring Fungal Burden and Viability of *Sporothrix* spp. in Skin Lesions of Cats for Predicting Antifungal Treatment Response**

by Luisa Helena Monteiro De Miranda, Jéssica Nunes Silva, Isabella Dib Ferreira Gremião, Rodrigo Caldas Menezes, Rodrigo Almeida-Paes, Érica Guerino Dos Reis, Raquel De Vasconcellos Carvalhaes De Oliveira, Danuza Salles do Amaral De Araujo, Laerte Ferreira and Sandro Antonio Pereira

*J. Fungi* **2018**, *4*(3), 92; <https://doi.org/10.3390/jof4030092>

Received: 29 June 2018 / Revised: 2 August 2018 / Accepted: 3 August 2018 / Published: 7 August 2018

### **Molecular Identification, Antifungal Susceptibility, and Geographic Origin of Clinical Strains of *Sporothrix schenckii* Complex in Mexico**

by Olga C. Rojas, Alexandro Bonifaz, Christian Campos, Rogelio De J. Treviño-Rangel, Rafael González-Álvarez and Gloria M. González

*J. Fungi* **2018**, *4*(3), 86; <https://doi.org/10.3390/jof4030086>

Received: 14 June 2018 / Revised: 16 July 2018 / Accepted: 18 July 2018 / Published: 20 July 2018

### **Repeated Exposition to Mercury (II) Chloride Enhances Susceptibility to *S. schenckii sensu stricto* Infection in Mice**

by Alexander Batista-Duarte, Damiana Téllez-Martínez, Juliana Aparecida Jellmayer, Deivys Leandro Portuondo Fuentes, Marisa Campos Polesi, Amanda

Martins Baviera and Iracilda Zeppone Carlos

*J. Fungi* 2018, 4(2), 64; <https://doi.org/10.3390/jof4020064>

Received: 29 April 2018 / Revised: 23 May 2018 / Accepted: 24 May 2018 /

Published: 25 May 2018

### **Sporotrichin Skin Test for the Diagnosis of Sporotrichosis**

by Alexandro Bonifaz, Conchita Toriello, Javier Araiza, Max C. Ramírez-Soto and Andrés Tirado-Sánchez

*J. Fungi* 2018, 4(2), 55; <https://doi.org/10.3390/jof4020055>

Received: 1 April 2018 / Revised: 3 May 2018 / Accepted: 5 May 2018 /

Published: 9 May 2018

### **Immunity and Treatment of Sporotrichosis**

by Laura Cristina García Carnero, Nancy Edith Lozoya Pérez, Sandra Elizabeth González Hernández and José Ascención Martínez Álvarez

*J. Fungi* 2018, 4(3), 100; <https://doi.org/10.3390/jof4030100>

Received: 18 July 2018 / Revised: 18 August 2018 / Accepted: 19 August 2018 /

Published: 20 August 2018

### **Immunopathogenesis of Human Sporotrichosis: What We Already Know**

by Fatima Conceição-Silva and Fernanda Nazaré Morgado

*J. Fungi* 2018, 4(3), 89; <https://doi.org/10.3390/jof4030089>

Received: 30 June 2018 / Revised: 26 July 2018 / Accepted: 27 July 2018 /

Published: 31 July 2018

### **Sporotrichosis: From KOH to Molecular Biology**

by Roberto Arenas, Carlos D. Sánchez-Cardenas, Lourdes Ramirez-Hobak, Leon Felipe Ruíz Arriaga and Ma. Elisa Vega Memije

*J. Fungi* 2018, 4(2), 62; <https://doi.org/10.3390/jof4020062>

Received: 18 April 2018 / Revised: 16 May 2018 / Accepted: 18 May 2018 /

Published: 23 May 2018

### **Nodular Lymphangitis (Sporotrichoid Lymphocutaneous Infections). Clues to Differential Diagnosis**

by Andrés Tirado-Sánchez and Alexandro Bonifaz

*J. Fungi* 2018, 4(2), 56; <https://doi.org/10.3390/jof4020056>

Received: 6 April 2018 / Revised: 4 May 2018 / Accepted: 8 May 2018 /

Published: 9 May 2018

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

US\$ 5000 (5 thousands dollars) of funding from ISHAM for the organization of the 2<sup>nd</sup> International Meeting hosted by Universidad de Guanajuato, Guanajuato Mexico. The President of the meeting was Dr. Gustavo Niño-Vega who was responsible to receive and render account on the funding to ISHAM.

The local organization shared all information related to the 2<sup>nd</sup> Meeting, including Program and invited Speakers with the Working Group Coordinators, as is currently done in the ISHAM WG.

## 8. Composition of the working group

Number of working group members: 55 PhDs and MDs are registered in the official ISHAM Working Group email list. The member list are from several countries and continents (Europe, Asia, South America, North America and Africa).

Number of ISHAM members among WG members : WE DO NOT HAVE ACCESS to THIS INFORMATION as this is an ISHAM private information. We will have to collect individually this information to include in the next report (2019).

<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.