

Minutes Division of Fungi – Business Meeting 24th July 2016 – Tours, France

The meeting was called to order by Ingeborg Klingen (Chair) at 18:30.

Officers present (5): Ingeborg Klingen (Chair), Nicolai Vitt Meyling (Chair elect), Ann E Hajek (Secretary/Treasurer), Stefan Jaronski (Member-at-Large), Katharina Saar (Student Representative)

Other members present (24)

Total Present: 29

Apologies (1): Chad Keyser (Member-at-Large)

1/2015: Division of Fungi Annual Report: Ingeborg Klingen delivered the Annual Report.

Current Officers

Position	Name	Year
Chair	Ingeborg Klingen	2014-2016
Chair Elect	Nicolai Vitt Meyling	2014-2016
Secretary/Treasurer	Ann Hajek	2014-2016
Member-at-Large	Stefan Jaronski	2014-2016
Member-at-Large	Chad Keyser	2015-2017
Student Representative	Katarina Saar	2015-2017

Elections of Officers in Tours, France (2016)

There are three positions available on the committee this year: One Chair Elect, one Secretary/Treasurer and one Member-at-Large.

Membership

Membership numbers for 2016 are bit higher than last year with an increase in student members. Membership has dropped by 12% since 2011 (meeting in Halifax, Nova Scotia, Canada). All Division members are encouraged to make sure their dues are up to date and to encourage new members to register as Fungal Division members.

	2011	2012	2013	2014	2015	2016
Regular	86	77	105	68	69	67
Students	8	5	15	13	12	16
Total	94	82	120	81	81	83

Finances

The balance in the Fungus Division's account at the close of Fiscal Year (FY) 2015 was \$ 3,512.57. In 2015, the SIP Council agreed to provide \$ 2,250.00 general funds (Speaker Award= \$ 750.00; Student Award= \$ 750.00; President's fund= \$ 750.00). The division granted 2 student awards of \$ 750.00 each and two speaker travel awards of \$500 each

Fungi Division Fiscal Year (FY) 2015 (May 1, 2015-April 30, 2016)

Opening Balance FY 2015	\$ 3,512.57
REVENUE FY 2015	
Membership Dues FY 2015	\$ 720.00
Interest FY 2015	\$ 8.40
Total Revenue FY 2015	\$ 728.40
EXPENSES FY 2015	
Student Travel Awards for 2015 (2x\$750.00)	\$ 1,500.00
Returned to SIP from 2015 award not given	\$ 750.00
Total Expenses FY 2015	\$ 2,250.00
Net Revenue Before Fund Transfer	\$(1,521.60)
FUNDS TRANSFER FROM GENERAL FUNDS FY 2015	
Fund Transfer for Speaker Award for 2015	\$ 750.00
Fund Transfer for Student Award for 2015	\$ 750.00
President's fund for 2015	\$ 750.00
Total Fund Transfers	\$2,250.00
Net Revenue after Fund Transfers	\$ 728.40
End Balance ((Opening Balance+Revenue+Fund Transfer)-Expenses)	\$4,240.97

Symposia, Workshops, Other Events: Vancouver Meeting 2015

Fungi Division Symposium:

“Endophytic Entomopathogenic Fungi: “Probiotic” Microbial Associates of Plants?”

Organizers: Don Roberts and Ray St. Leger

Microbial Control-Fungi Cross Divisional Symposium:

“The (underestimated) Value of Applied Research: Moving the Theoretical to the Practical”

Organizers: Travis Glare, Michael Brownbridge and Roma Gwynn

Fungi Division had 25 Contributed papers and 29 posters

Tours Meeting 2016

Fungi Division Symposium:

“How fungi mediate protection against herbivores and plant pathogens”

Organizers: Nicolai Vitt Meyling and Maya Raad

BDI-Fungi Cross Divisional Symposium:

“Next Generation Sequencing “

Organizers: David Bass and Helen Hesketh

COST-Action meeting in collaboration with Fungi Division:

“Ménage à trois -Three way interactions between plants, arthropods and microbes that benefit the plants”

Organizers: Richard Meadow in collaboration with Fungi Division

Including fungal division and cross-divisional, there were 36 oral presentations and 26 posters.

2/Division Student Travel Awards 2016

Yordanys Ramos Gonzalez is a PhD student at Universidad Central “Marta Abreu” de Las Villas in Cuba since 2012. He is working under supervision Professor Dr. Jorge Gómez Sousa at Universidad Central “Marta Abreu” de Las Villas and Dr. Ingeborg Kligen at Norwegian Institute of Bioeconomy (NIBIO). Yordanys’s project is assessing the management and biological control of stink bugs in common beans in a sustainable agriculture scenario. He holds a BSc in Agronomic Engineering from the Central University of Las Villas (UCLV) (2004) and an MSc in Sustainable Agriculture from the same university (2011). He will present his paper in Tours titled “Natural occurrence of *Beauveria bassiana* in soil, as infections in stink bugs and as endophytes in bean plants, from organic and conventional fields in Cuba”. Yordanys will be granted \$ 750.00 as a Student Travel Award.

Sonnica Albertyn is a PhD student at Rhodes University, Grahamstown, South Africa since 2015. The working title of Sonnica's PhD research is “False Codling moth (*Thaumatotibia leucotreta*) population ecology in citrus orchards: the influence of orchard age”. She holds a BSc in Agriculture –Horticulture and Entomology from Stellenbosch University (2009) and an MSc in Agriculture- Entomology from the same university (2011). She will present her paper in Tours titled “The influence of orchard age on entomopathogenic fungi and nematode population dynamics”. Sonnica will be granted \$ 750.00 as a Student Travel Award.



Fungi Division Chair, Ingeborg Kligen, handing out Student Travel Award to: Yordanys Ramos Gonzalez (left) and Sonnica Albertyn (right).

3/Division Speaker Awards 2016 (\$500 each)

Ana Pineda gave a talk at the Fungi Division Symposium titled «How fungi mediate protection against herbivores and plant pathogens» on Monday 25 July at 16:45. The title of the talk was *Microbial-induced resistance against herbivores: mechanisms and ecological consequences*.

Christina Vos gave a talk at the Fungi Division Symposium titled «How fungi mediate protection against herbivores and plant pathogens» on Monday 25 July at 17:35. The title of the talk was *Induced systemic resistance by Trichoderma spp.*

4/2016 Election of New Officers for Fungal Division

There are three positions available on the committee this year: One Chair Elect, one Secretary/Treasurer and one Member-at-Large.

Chair Elect nominations were Stefan Jaronski (nominated by Ingeborg Klingen)

Secretary/Treasurer nominations were Ann Hajek (nominated by Ingeborg Klingen)

Member at large nominations were Dietrich Stephan (nominated by Nicolai Vitt Meyling)

Student representative: Katarina Saar informed the attendees that she is pregnant and her baby is due in 10 weeks. She might not be able to attend the 2017 meeting so she asked that another student (Carina Ehrich) could act as her backup. Ingeborg said that the Fungal Division used to have 2 student representatives and suggested that the attendees could vote on Carina being the second student representative. The attendees agreed to do so.

All those nominated were elected.

Current Officers are:

Chairperson	Nicolai Meyling	2016-2018
Chairperson-Elect	Stefan Jaronski	2016-2018
Secretary-Treasurer	Ann Hajek	2016-2018
Member-at-Large	Dietrich Stephan	2016-2018
Member-at-Large	Chad Keyser	2015-2017
Student Representative	Katharina Saar	2015-2017
Student Representative	Carina Ehrich	2016-2018

5/2016: New Business Items for Discussion

5.1/2015 Division awards for San Diego, 2017 (August 13-17)

Suggestion for awards from Fungi Division in 2017:

Student Travel Awards for 2017 (2x\$ 750.00): \$ 1,500.00

Student Travel Award for low income country 2017 (1x\$1200.00)

Division Invited Speaker Awards for 2017 (1-2x500)

Discussion:

If there are 2 speakers awarded, this adds up to \$3700 but Council only gives us \$2250 so we will have to dip into our funds, in the case that we fund everything above (including 2 speakers). The SIP council have encouraged us to use our funds for activities in the division. Further, we were also informed that SIP will provide each Division with a higher amount for travel awards at the 125 year jubilee meeting in San Diego, although at this time of this meeting, the amount had not yet been determined.

Last year we talked about \$750 for a low income country award but that would not be enough to attend so \$1200 would be better. Our earlier experience is that the applicants often do not manage to cover the rest of the travel budget and end up with not being able to attend the meeting. The applicants should, therefore, early in the application process, be made aware that she/ he need to get the rest of the travel and lodging costs funded from another source. It might be an idea to have the applicants set up a tentative travel budget with costs incurred, and which costs will be covered by the Fungal Division and which will be covered by other possible funding sources.

Only 5 students applied for this year's students award and members are encouraged to urge their students to apply for the coming year's students awards.

Conclusion:

The meeting agreed to call for grant applications for the following Fungal Division awards for the San Diego Meeting:

Student Travel Awards for 2017 (2x\$ 750.00): \$ 1,500.00

Student Travel Award for low income country 2017 (1x\$1200.00)

Division Invited Speaker Awards for 2017 (1-2x500)

5.2/2016: Fungal Division Highlights for the SIP Business Meeting (presented by Stefan Jaronski)

Host-fungus co-evolution in two systems

Unravelling mechanisms for defence and manipulation

Generalist fungal entomopathogen:

Host *Tribolium castaneum* defends itself with anti-fungal benzoquinones; *Beauveria bassiana* detoxifies by benzoquinone reductase as countermeasure (Pedrini et al. 2015).

Specialist fungal entomopathogen:

Unravelling fungal gene toolbox of *Ophiocordyceps unilateralis* during manipulative biting behaviour during death of host ant *Camponotus castaneus* (de Bekker et al. 2015).

5.3/Announcement from ARSEF (Richard Humber)

- 25 July there will be an indefinite loss of access to online searches for ARSEF collection data
- Anybody needing ARSEF data searches during this time should email requests to rah3@cornell.edu or richard.humber@ars.usda.gov
- No new ARSEF catalogs have been available at the collection website for a long time. New software required to be used for all ARS websites is now being put in place (and is expected to be operational at the end of August 2016)
- Humber will work in the meantime to prepare the new website and to include a freshly generated set of catalogs that incorporate many revised (phylogenetically based re-identifications of some of our major taxa)
- Humber welcome individual questions or concerns about ARSEF services and access to their information resources
- Humber will retire on 2 September 2017, and a plan to assure the continuing curation and smooth operations of ARSEF is proceeding
- Humber do not anticipate any major disruption or discontinuity in the interactions of ARSEF with their appreciated global clientele during this transitional period

5.4/2016 Symposia ideas for San Diego

Suggestions:

- **Understanding (fungal) epizootiology for the use of arthropod pathogens in Integrated Pest Management (IPM).** (Modelling, warning systems, effect of different abiotic and biotic factors and the interactions of these on the epizootic development etc.) The topic was suggested by Ingeborg Klingen and strongly supported by Surendra Dara who stated that this fits very well with the meeting that will be held next year in San Diego, California. He also mentioned that it could be a cross-divisional symposium with Microbial Control.
- Suggestion from last year: Stefan Jaronski, Jørgen Eilenberg and Ann E. Hajek: **Entomophthoromycota.** However, it was suggested that since numerous people actively working with this group are in Europe, we should wait until there is another meeting in Europe before we consider this symposium topic.
- **Other suggestions?** Please send ideas to the Chair by late October/November

5.5/General Discussion

Social life in Fungi Division and at the business meeting:

Suggestion: There is a need to attract and connect Fungi Division members at our business meetings and some easy food and drink at the start of the meeting was suggested by Ingeborg.

Conclusion: The attendees agreed and confirmed that this was also a tradition "in the old days". From now on, we will have snacks to increase and improve attendance. Easy food (pizza and beer or the like) will be organized by the student representatives.

Communication of news, awards etc. from Fungal Division:

Helen Hesketh is the editor for the Fungi Division folder on the SIP Web Page and will also find out how to link this with the SIP Facebook page. Everyone was encouraged to send announcements to Helen Hesketh and to "like" and use the SIP Facebook page. Student representatives will support Helen in her work.

The question was raised on whether we should continue to have a separate Fungal Division Newsletter that Helen Hesketh has been responsible for until now. The meeting agreed, however, to close down that activity and concentrate on distributing the news in the Fungal Division folder on the SIP Web Page and on the SIP Facebook page.

Increasing awareness and membership numbers of Fungi Division and SIP:

Suggestion: All members should do their best to invite colleagues to be members of SIP and the Fungal Division. Historically, people invited as speakers have often also continued as members. It was also suggested that when Fungal Division members attend other meetings, we should say something about SIP meetings and provide information on SIP.

Conclusion: All Fungi Division members are encouraged to invite colleagues to be members and the Fungal Division chair will make a suggestion to the general SIP Council to discuss whether SIP flyers that members could use for advertising should be made.

Fungal Division Highlights

Many good highlights were suggested this year and the two best were selected by the Fungal Division officers. The process will be similar next year and suggestions should be sent to the Chair elect (Stefan Jaronski) with a copy to the chair (Nicolai Vitt Meyling).

Duties of FD Officers:

Fungi Division (FD) officers have expressed a need to get some information on what tasks they are expected to do as officers. Ingeborg had therefore set up a suggested non-exhaustive list with key-words that were modified at the business meeting.

The meeting agreed on the following non-exhaustive duty list for Fungal Division officers:

Chair: Lead FD and initiate all processes mentioned below, Prepare and lead the FD business meeting, Write the FD report to Council except the finances. Delegate other running tasks to officers. Attend Council meetings.

Chair Elect: Run the process for FD Research Highlights and also assist the Chair in other running tasks and decisions

Secretary/ Treasurer: Keep track of expenses and Funds/ Transfers in an excel sheet. Write the FD finance report to council. Write Minutes from the FD business meeting

Members-at-large 1: Run the process of getting jurors for FD student poster and oral presentations

Member-at-large 2: Run the process of getting persons to chair FD sessions

Student Representatives: Participate in the Fungal Division newsletter and Facebook editorial committee. Organize food and beverages for the FD business meetings.

All officers (but not student reps) will jointly select awardees.

Ann Hajek suggested that to our list of officers, we add the Facebook and Newsletter Editor: Helen Hesketh. This was agreed by the meeting.