

Microbial Control Division
Minutes of the Annual Meeting
13 Aug 2018, Surfer's Paradise, Australia

Meeting commenced 20.00

Meeting adjourned 21.30

Students and New Members

Jiangbin Fan, Ph.D. student. Julius Kühn Institut, Darmstadt, Germany
 Pauline Deschodt, Ph.D. student, Simon Fraser University, BC, Canada

Discussion of MCD Objectives

- To facilitate interaction among scientists who have a special interest in microbial control of invertebrates.
- To facilitate the exchange of information among scientists through symposia, workshops, and printed and electronic media.
- To provide the Society for Invertebrate Pathology a channel through which matters relevant to the study of and application of microbial control may be presented for discussion and action.

Finances:

FY 2017	Income	Received from General Fund 2017	Expenses (2017)	Current Balance (to 30/04/2018)
\$7,125.42	\$357.35	\$4,000.00	(\$2,250)	\$7,482.77

MCD finances are in very good shape.

Membership:

Year	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017	2017/2018
Regular			114	120	122	102
Students			15	13	10	12
Total	140	159	129	133	132	114

Membership in the division stands at 114 up to June 2018, with 12 student members. Membership has decreased from the peak in 2013. It may increase with the 2019 meeting in Valencia.

2018 Student Report and Student Travel Awards:

Student representative Jiangbin Fan reported on issues raised during the student meeting.

1. Students would like more attention to their posters during the poster session. Several options were discussed for increasing viewing of student posters, all focused on some type of 1-minute oral flash talks associated with the student posters, and the logistics of conducting a poster-based flash talk at the 2019 meeting in Valencia.

Dietrich Stephan offered a motion, “Students will have an opportunity to present an oral summary of their posters at the 2019 SIP meeting in Valencia.” Motion seconded by Stefan Jaronski. Passed unanimously.

Discussion: How to organize this session for a potentially large group of people. General agreement coalesced around having a powerpoint slide of the poster or 4-5 bullet points with the main points of the poster for the 1-minute flash talk. Eustachio Tarasco agreed to discuss this with the organizing committee of the 2019 meeting.

2. Travel expenses vs. amount of travel awards. The students report that the travel award is not sufficient to cover enough of the meeting expenses for them to attend the meeting.

Discussion: The travel awards may not exceed the amount awarded for the Martignoni and Lomer awards. Offsetting student registration costs with volunteer opportunities is difficult because it greatly complicates the accounting procedures for the meeting. The society depends on making a profit on the meetings to support the society’s financial health.

Three applications for travel awards were received. Three were selected for funding:

1. Pauline Deschodt

Influence of host nutrition on pathogen interactions: disease outcome and pathogen replication

Pauline Deschodt, Olivia Walker, Alina Breitreutz, Jessi Ly, Jenny Cory,

Department of Biological Sciences

Simon Fraser University, Canada

Wednesday: Microbial Control #2 10:45

2. Matías Santiago Abalo

Laboratory and field evaluation of entomopathogenic fungi and bacteria for the control of *Rachiplusia nu* (Guenée) (Lepidoptera: Noctuidae) in soybean (*Glycine max* (L.) Merrill)

*Matías Santiago Abalo*¹, Sebastina A. Pelizza^{2,3}, Ana C. Scoretti²

¹Rhizobacter Argentina S.A., ²Instituto de Botánica Carlos Spegezzini, ³CEPAVE

Poster session Microbial Control: MC17-Stu

3. Nongcebo Sandra Memela

University of KwaZulu-Natal (South Africa), South African Sugarcane Research Institute

Title: Entomopathogenic effects of sixteen *Beauveria bassiana* isolates on *Eldana saccharina* larvae

Not able to attend

Student Travel Awards for 2019:

Suggestion from the floor to make four, \$1,000 Travel Awards available in 2019. \$3,000 will be available from the General Fund of the SIP.

Travis Glare motioned to make 4, \$1,000 student travel awards available for the 2019 meeting. Stefan Jaronski seconded. Passed unanimously.

MCD Papers and Symposia at the 2017 Meeting, San Diego:

Contributed papers: 32 contributed oral presentations (9 by students)

26 poster presentations (2 by students)

Division Symposium & Workshops (San Diego):

BACTERIA AND MICROBIAL CROSS---DIVISIONAL SYMPOSIUM

Challenges for Biocontrol in Latin America

Organizers and Moderators: Travis Glare and Ken Narva

MICROBIAL CONTROL DIVISION SYMPOSIUM

Biopesticides III: Beyond entomopathogenicity - Reliable tools or just a novelty?

Organizers and Moderators: Roma Gwynn, Travis Glare, Michael Brownbridge

MCD Papers and Symposia at the 2018 Meeting, Gold Coast:

24 contributed oral presentations (6 by students)

17 poster presentations (9 by students)

MICROBIAL CONTROL DIVISION SYMPOSIUM

The challenge of CRB-G to palm production in the Pacific and prospects for microbial control

Organizers and Moderators: Sean Marshall & Trevor Jackson

CROSS DIVISIONAL SYMPOSIA/WORKSHOPS

none

Election of MCD Officers

Three positions are vacant at the 2018 meeting:

- Secretary/Treasurer: Michael Brownbridge (Canada) 2013-2018
- Member at large: Mary Barbercheck (USA) 2016-2018
- Student representative: Andreas Larem (GER) 2016-2018

Nominations were received from the Dietrich Stephan for all vacant positions.

Nominations:

- Secretary/Treasurer: Mary Barbercheck (USA)
- Member at large: Roma Gwynn (UK)
- Student representative: Pauline Deschodt (Can)

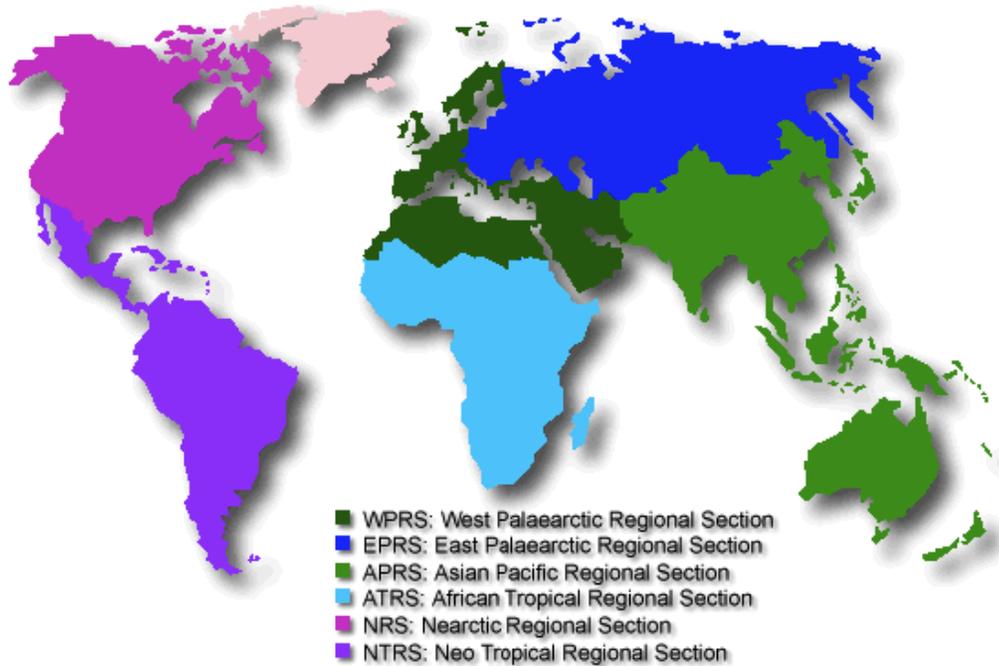
Unanimously approved

Officers for the MCD are:

Chair	Dietrich Stephan (GER)	2016-2019
Chair-elect	Jarrold Leland (USA)	2017-2019
Secretary/Treasurer	Mary Barbercheck (USA)	2018-2020
Member at Large	Edith Ladurner (Italy)	2017-2019
Member at Large	Roma Gwynn (UK)	2018-2020
Student Representative	Jiangbin Fan (China/GER)	2017-2019
Student Representative	Pauline Deschodt (Canada)	2018-2020
Past Chair	Travis Glare (NZ)	2014-2016
Paste Secretary/Treasurer	Michael Brownbridge (Can)	2013-2018

Potential Symposia Topics for the 2019 Meeting:

The SIP will meet jointly with the IOBC in Valencia in 2019



Microbial and Nematode Control of Invertebrate Pests

Keywords	Insect pathology, fungi, bacteria, virus, nematode, microbial control
Convenor	TARASCO Eustachio
Liaison-Officer	GRABENWEGER Giselher
Structure	The group was founded in 1985, in response to a need for a forum for scientists in the field of insect pathology in Europe. It has about 100-120 active members.
Subgroups	The activities of the group are organised within 5 subgroups: <ul style="list-style-type: none"> ● SG Fungi. Convenor: QUESADA-MORAGA Enrique ● SG Entomoparasitic nematodes. Convenor: PUZA Vladimir ● SG Viruses. Convenor: LOPEZ-FERBER Miguel ● SG Soil insect pests. Convenor: STEPHAN Dietrich ● SG Slugs and snails. Convenor: HAUKELAND Solveig ● SG Bacteria. Convenor: RUIU Luca
Aim	The goal of the group is to offer a forum for exchange of information and to stimulate contacts and cooperation between scientists in the field of insect pathology.
Activities	Every second year, a 4-day meeting is organised, generally around a specific topic. The meetings are a mixture between conference and a roundtable discussion, the balance being kept by splitting the group, at least for part of the meeting, into sections fungi, bacteria and viruses, and insect-parasitic nematodes, and by putting additional focus on posters. The group meets also with the sister working group on insect pathogens of IOBC/EPRS. Many insect pathologists participate in other working groups of IOBC-WPRS.

The proposals for workshops and symposia for the 2019 meeting include:

MCD Symposium

Biopesticides IV. Realising the potential: Ecological benefits of microbial biocontrol

- Organisers: Roma Gwynn, Travis Glare, Mike Brownbridge
- One of the key aspects of previous symposia on biopesticides has been to capture and reflect the complexity of biocontrol, understanding the different ways in which microbes can contribute to pest suppression, and ways in which we can get the best out of these biocontrol agents in different systems.
- In the Symposium, we want to look beyond the mode of action of biopesticides and are seeking to illustrate the broader 'net' benefits of microbial biocontrol to our environment and society. For example, what about the ecological benefits derived from using microbial (and other) biocontrol agents? How can their use enhance biodiversity, and how does that further enhance biocontrol services provided by indigenous natural enemies? How does their use enhance other control methods? How does it contribute to greater environmental sustainability? Are there negative ecological consequences of microbial biocontrol?
- In the end, what is the full value-proposition to using biopesticides, and specifically how do we put a value to the ecological services accrued through the use of microbial biopesticides vs conventional chemistry?

Cross-Divisional Symposium (MCD/Fungi)

Microbial Control of wireworms

Dietrich Stephan, Stefan Jaronski, et al.

Possible speakers:

- **Jörn Lehnhus**, D, Species of European wireworms and its consequence for microbial control
- **Todd Kabaluk**, C, Click beetle Control with entomopathogenic fungi - pheromones
- **Giselher Grabenweber**, CH, Application strategy of entomopathogenic fungi in cropping systems
- **NN**, Application technology for wireworm control
- **NN**, How to integrate BCA in a wireworm control strategy
-

MCD Workshop

There was discussion around a workshop on MC/BC in protected environments, given the importance of glasshouse production around Valencia. A goal would be to include practitioners and a focus on practical application. Eustachio Tarasco will discuss this with the Valencia meeting organizers to identify potential speakers.

Other Discussion

There is currently no representation from MCD on the Publications Committee (chair David Shapiro).

Eustachio Tarasco volunteered to serve.

The Publications Committee oversees and advises on newsletter, social media, and website content.

Stefan Jaronski: Please encourage your students to enter a video for the contest next year. None were submitted this year. They will be posted at the website and on youtube.

Please submit photos for the FB page, including photos of your research activities.

Mary Barbercheck: Suggests putting newsletter table of contents in newsletter announcement videos. Will suggest to publications committee chair.

Move to close the meeting: Stefan Jaronski
Seconded: Jarrod Leland

Meeting adjourned at 21.30h

Minutes respectfully submitted,

Mary Barbercheck
Microbial Control Division Member at Large

Dietrich Stephan
Microbial Control Division Chair

August 16, 2018