

Microbial Control Division
Minutes of the Annual Meeting
14 Aug 2017, San Diego

Meeting commenced 20.00

Meeting adjourned 22.00

Students and New Members

Vivien Krell, Ph.D. student. Bielefeld University of Applied Sciences, Bielefeld, Germany

Jiangbin Fan, Ph.D. student. Julius Kühn Institut, Darmstadt, Germany

Robert Holdbrook, Ph.D. student. Lancaster Environment Centre, Lancaster University, Lancaster, UK

Reed (Nate) Royalty, Biological Solutions Division, Bayer Crop Science, W. Sacramento, US

Edith Ladurner, CBC (Europe), BIOGARD Division Technical Area, Cesena, Italy. Microbial products and biopesticides

Chun Chen, Jiliang University, Hangzhou, China. Aphid biocontrol with *Pandora neoaphidis*.

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.

Election of MCD Officers

Three positions were vacant prior to the 2017 meeting:

- Chair-elect
- Member at large
- Student representative

Elections were preceded by a discussion of the role of the MCD Officers:

- Co-ordinate organizers for Division symposia and cross-divisional symposia sponsored by the Division
- Report for the last fiscal year
- Rank student award applications for Society Student Awards Committee (Martignoni award) and Division Travel Awards Judge student presentations/posters at the meeting

A motion was proposed to extend the term for the new Chair to 3 years (2017-2019). Proposed by Travis Glare, seconded by Michael Brownbridge. Unanimously carried.

Nominations were received from the floor for all vacant positions.

Nominations:

- Jarrod Leland (Chair Elect) (nominated by Travis Glare; seconded by Roma Gwynn)
Unanimously approved
- Edith Ladurner (Member at Large) (nominated by Roma Gwynn; seconded by Michael Brownbridge)
Unanimously approved
- Jiangbin Fan (Student Representative) (nominated by Roma Gwynn; seconded by Carrie Hauxwell)
Unanimously approved

Officers for the MCD are:

Chair	Dietrich Stephan (GER)	2016-2018
Chair-elect	Jarrod Leland (USA)	2017-2019
Secretary/Treasurer	Michael Brownbridge (Canada)	2013-2018
Member at Large	Mary Barbercheck (USA)	2016-2018
Member at Large	Edith Ladurner (Italy)	2017-2019
Student Representative	Andrea Larem (GER)	2016-2018
Student Representative	Jiangbin Fan (China/GER)	2017-2019
Former Chair	Travis Glare (New Zealand)	2014-2016

Membership:

Membership in the division stands at 132 up to June 2017, with 10 student members, versus 124 in 2016, 133 in 2015 and 129 in 2014. Membership has been stable for the last four years but is down from the peak in 2013.

Year	2010	2011	2012	2013	2014	2015	2016	2017
Full member	163	143	140 (incl. students)	159 (incl. students)	114	120	111	122
Student	7	6			15	13	13	10

Finances:

FY 2016	Income	Received from General Fund	Expenses (2017)	Current Balance (to 30/04/2017)
\$7,125.42	\$357.35	\$4,000.00	(\$2,250)	(\$7,482.77)

MCD finances are in very good shape.

2017 Student Travel Awards:

Eight applications were received. Four were selected for funding:

- Rahul Banerjee, The University of Tennessee, Institute for Agriculture, Knoxville, USA
- Robert Holdbrook, Lancaster University, Environment Centre, UK
- Jiangbin Fan, Insitute for Biological Control, Julius Kühn Institut, Darmstadt, Germany.
- Mr. Istkhar Chaudhary Charan Singh University, Meerut, India

Three of the award winners were able to participate in the 2017 meeting; unfortunately Mr. Istkhar did not attend as he was unable to cover the additional travel costs.

The three attendees presented the following papers:

Rahul Banerjee**DNA-based genotyping for Cry1Fa resistance in field populations of *Spodoptera frugiperda***

Authors: Rahul Banerjee, Lucas Hietala, Robert Meagher, Rod Nagoshi, James Hasler, Kenneth Narva, and Juan Luis Jurat-Fuentes

Wednesday: Microbial Control #2 8:15

Robert Holdbrook**Pathogen growth rate is constrained by host diet**

Authors: Robert Holdbrook, Catherine E. Reavey, Joanna L. Randall, Yamini Tummala, Sheena C. Cotter, Stephen J. Simpson and Kenneth Wilson.

Wednesday: Microbial Control #2 8:30

Jiangbin Fan**New Chinese isolates of *Cydia pomonella* granulovirus(CpGV) provide novel genetic diversity in the arms-race of resistance of codling moth**

Authors: Jiangbin Fan, Annette J. Sauer, Joerg Wennmann, Dun Wang, Johannes A. Jehle

Tuesday: Microbial Control #1 8:15

Student Travel Awards for 2018:

Suggestion from the floor to make \$2,500 available for Travel Awards in 2018. \$1,500 will be available from the General Fund of the SIP. Three awards suggested, one valued at \$1,000 and 2 x \$750. Request that a travel budget be submitted with the application to increase the likelihood of attendance, as full costs will be know up-front.

Other Awards:

The Society is considering sponsoring 'Early Career Awards'. Would be open to SIP members with at least 2 years in good standing. More details will be provided in the SIP Newsletter and website over the coming months.

MCD Papers and Symposia at the 2017 Meeting:

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

Posters: 26 poster presentations (2 by students)

MCD-sponsored Symposia:

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

Potential Symposia Topics for the 2018 Meeting:

Carrie Hauxwell CRDC/CSIRO:

Use of microbials as tools in resistance management strategies, focusing on examples from Australia and SE Asia.

Todd Kabaluk AAFC:

Bacterial symbionts - their role in protecting insects from infection; mechanisms and methods to overcome effects?

Call for proposals will probably go out to SIP members in October. Proposals need to include a list of tentative speakers and a brief outline of the topic that will be discussed. Aim to finalize by the end of November, with full proposals to Council by the end of 2017.

There was discussion around a Symposium on the 'Regional use of Microbial Control', with a focus on pest management programs in Australia and SE Asia. However, it was suggested that it may be more appropriate to devote an MCD session to this topic rather than a dedicated symposium. The scientific program chair for the 2018 meeting can assist with this. The goal is to promote attendance and participation of researchers/practitioners from the region.

Workshops for the 2018 Meeting:

Potential to hold a workshop to highlight commercial developments and microbial products in Australasia. Ask companies to present 2-3 slides on their product(s), target crops and pests. Could be included as part of the overall meeting as opposed to tying the workshop to the MCD Business Meeting as has been the case in previous years.

Increasing attendance at MCD Business Meetings:

Various options suggested:

1. Schedule at a different time to other Divisional meetings.
2. Schedule at lunchtime vs evening.
3. Advertise more widely, and ensure it is advertised as a 'Divisional Meeting' open to all SIP members.
4. Communicate information better, particularly regarding the purpose of the meeting, and ensure it is an open invitation to encourage new members to attend and participate.
5. Include announcements at the meeting, before/after MCD sessions? Include information on the meeting website.

Other Information:

All members asked to consider provision of material that can be posted on the SIP Facebook page. The Division does not have a dedicated person in charge of MCD content. Any volunteers? Contact Dietrich.

Move to close the meeting: Stefan Jaronski

Seconded: Deb Henderson.

Meeting adjourned at 22.00h

Minutes respectfully submitted,

Dietrich Stephan

Microbial Control Division Chair

Michael Brownbridge

Microbial Control Division Secretary-Treasurer

October 6, 2017