



Minutes of the Diseases of Beneficial Invertebrates (DBI) Business Meeting

14th August 2017

Meeting was chaired by Helen Hesketh.

Agenda was approved.

Minutes from the 2016 division meeting were approved.

SIP Council Meeting

Helen Hesketh gave an overview of the SIP Council Meeting.

Membership

Members are again asked to ensure their membership is current and kept updated; remember to renew your membership fees when they are due.

SIP Early Career Award

A new award was presented this year, The Early Career Scientist recognises highly original contributions of fellow invertebrate pathologists, who are still early in their career. It has been agreed that this award will continue and funding from an external sponsor has been secured. Criteria for eligibility is being updated following discussion/comment that they were too restrictive, members are requested to check the website for further details and encouraged to nominate applicants.

Division Meetings

The council meeting discussed the use of Division funds, it was agreed that it is up to the individual divisions how these funds are spent but divisions are encouraged to spend the monies.

Next year the SIP General Fund will provide \$1500 to the division for invited speakers and student travel awards, the divisions can supplement this with their own funds if they choose to do so, for example inviting more speakers or increasing the invited speakers awards.

During the business meeting, it was discussed and agreed that DBI should consider offering lunch or dinner. Divisions can provide refreshments at the business meetings if they wish to cover the costs from division funds. The possibility of holding the business meeting during a lunch break was suggested to allow the evening slot to be used for an additional workshop (rather than holding both together in a long evening session). The chair will contact the organisers prior to the next meeting to arrange this if it is suitable within the scientific program.

Communications

The editor of the SIP newsletter is desperately seeking a co-editor to work alongside the editor with a view to taking over the position. If anyone is interested please contact jean-louis.Schwartz@sympatico.ca

Following this year's YouTube competition the SIP now has a channel, all clips from this year's applicants are still available and members are encouraged to take a look. The channel will continue to be used and any potential videos will be vetted prior to uploading (contact the Chair of the Publications Committee). Any facebook entries can be forwarded to Helen Hesketh (hhesketh@ceh.ac.uk) who has editing rights for DBI and Fungi Divisions.

Tours meeting 2016

Last years meeting was held in Tours, Loire Valley, France, July 24 – 28, 2016. DBI contributed the following:

- A divisional symposium on mollusc diseases was arranged by Kelly Bateman, with 4 invited speakers:
 - Isabelle Arzul – Microcell parasites
 - David Bass – Paramyxians
 - Tristan Renault – Viral diseases affecting marine bivalves
 - Tim Bean – Breeding resistant strains

- A cross-divisional symposium with Fungi on next Generation Sequencing was arranged by Helen Hesketh and David Bass and involved 4 invited speakers:
 - Ronny van Aerle – High throughput sequencing and bioinformatics tools for invertebrate pathology – an overview
 - Juerg Enkerli - Next generation sequencing - a powerful approach to assess potential effects of BCAs on microbial communities in soil
 - Henrik H.De Fine Licht - Using dual-RNAseq to study host-pathogen interactions: data generation and analysis
 - Brian Lovett - Big data and little *Metarhizium*: evolution and interactions of an endophytic insect pathogenic fungus

- A Coral Disease workshop was hosted by Mike Sweet and took place following the Division Business Meeting.

- There were three contributed papers sessions with 15 presentations (5 student) and 11 poster presentations (7 student) during the meeting.

San Diego meeting 2017

SIP 2017 was the 50th Golden Jubilee Anniversary of SIP meetings and was held at the University of California, San Diego Campus, La Jolla, California, 14th-18th August 2017. There were approximately 353 participants and 33 companions in attendance. There were 216 oral presentations (169 regular member, 47 student), 104 posters (86 regular member, 18 student), 10 divisional and cross divisional symposia and the 2nd Ag Innovations Conference was held prior to the start of the meeting.

DBI contributed the following:

- Kelly Bateman and Elke Genersch provided an overview of the division, and highlighted research in the area over the last 50 years as part of the Founders Lecture

- A cross-divisional symposium with the Virus Division was organised by Kelly Bateman and Martin Earlandson on "Honoring Just Vlak". This involved 7 invited speakers, giving short presentations:
 - Martin Earlandson – Just Vlak – impact and international collaboration on invertebrate virus research
 - Kelly Bateman – DNA viruses of aquatic invertebrates
 - Gary Blissard – Entry mechanisms of large DNA viruses of Insects (BV)
 - David Theilmann – Entry mechanisms of large DNA viruses of Insects (ODV)

- Linda King - Recent advances in biotechnological applications of baculoviruses 'including vaccines and gene therapy'
- Rose Hu - Basic research -supporting the development of baculoviruses as biopesticides
- Johannes Jehle - dsDNA Viruses of Invertebrates - Taxonomy and Phylogeny
- A Divisional symposium organised by David Bass and Helen Hesketh on “The Pathobiome concept: an emerging view of microbes and disease” involving 4 invited speakers
 - David Bass (Cefas/The Natural History Museum) - The pathobiome concept: an emerging view of microbes and disease
 - Ronny van Aerle (Cefas) - Characterization of pathobiomes using high-throughput sequencing: Challenges and opportunities
 - Nancy Moran (University of Texas) - Effects of the gut microbiota on susceptibility to pathogens in social bees
 - JP Dundore-Arias (University of Minnesota) - Competitive interactions and disease suppression in soil microbiomes
- There were two contributed paper sessions with 14 oral presentations, 5 of which were from students.

Gold Coast meeting 2018

SIP 2018 will be held on the Gold Coast in Australia, 12-16 August 2018. Deals on travel and accomodation will be posted on the SIP website so members are encouraged to keep checking for updates.

Current Membership DBI

Membership has remained stable over the last few years, the division appears to be growing in strength as it progresses.

	2011	2012	2013	2014	2015	2016	2017
Regular Members	25	26	27	27	26	35	40
Students	15	16	10	12	18	17	12
Total	40	42	37	39	44	52	52

Finances DBI Division: Fiscal Year 2017 (May 1, 2016 – April 30, 2017)

In 2017, DBI fees were \$10 for regular members and free for students. The balance in the DBI's account at the close of FY 2016 was \$2666.22. In addition to this, SIP Council agreed to provide \$4500 to support student travel awards and invited speaker awards from the general fund (GF) for the San Diego 2017 meeting.

START BALANCE	\$2666.22
Allocated for Tours 2016 meeting from Council	\$2500.00
Balance for spend at SIP 2016	\$5166.22
Student Travel Awards (x2 @ \$750 for 2016)	\$1500.00
Division Speaker Awards (x2 for Coral Workshop & NGS symposium speakers for 2016)	\$1146.00
Total Expense for 2016	\$2646.00
Net return of <\$2500 loan to divisions	\$146.00
Division Balance after SIP 2016	\$2520.22
Interest	\$7.99
Division Dues	\$390.00
Balance 1 st March 2017	\$2918.21
Transfer from General Fund to Division for SIP2017	\$4500
Total available for SIP 2017	\$6918.22
Student travel awards offered (x2 @\$850)	\$1700
Symposium invited speaker Awards (x2 @\$1000)	\$2000

Student Travel Awards

There was only one applicant for the travel awards this year. As in previous years it had been agreed that DBI would award 2 travel awards this year, one to aquatic and one to terrestrial research areas. However, due to there being no applications from the aquatic research area the committee agreed that we would approach other divisions for a suitable candidate. An applicant from the Virus division was transferred to DBI and was awarded the second travel grant. The winners (highlighted below) were awarded certificated and \$850 each at the business meeting.

- Julia Ebeling is a Phd student at the Institute for Bee Research, Hohen Neuendorf in Germany and will present in the contributed papers session.

“Analysis of C3larvin - a putative virulence factor of *Paenibacillus larvae*, the causative agent of American Foulbrood”.

- Irene Kasindi Meki is a PhD student at Wageningen University, in The Netherlands and will present in the contributed papers session.

“Hytrosavirus genetic diversity and eco-regional spread in *Glossina* species”

DBI will again award two student travel awards in 2018, one terrestrial and one aquatic. The possibility of the division paying the registration fees in addition to the travel monies was discussed. As long as the total amount does not exceed the Martignoni award it was agreed that this should be considered, but this will be dependent upon funds available each year and costs associated with invited speakers.

DBI members are again requested to encourage students working in the field (or pond!) to apply to DBI for travel funds.

Division Invited Speaker Award

This year the division invited two guest speakers to present in the symposium “The Pathobiome concept: an emerging view of microbes and disease”.

Professor Nancy Moran from the University of Texas presented “Effects of the gut microbiota on susceptibility to pathogens in social bees”

Dr JP Dundore-Arias from the University of Minnesota presented “Competitive interactions and disease suppression in soil microbiomes”

Each speaker received \$1,000 and the symposium was well attended.

DBI Committee

DBI members would like to thank all the committee members past and present for their contributions to the division. This year the committee was looking for fresh representatives, David Bass stood down as Member-at-Large and Ronny van Aerle took over the position.

The Committee is now:

Helen Hesketh	Chair	2016-2018
Mark Freeman	Chair Elect	2016-2018
Kelly Bateman	Secretary	2016-2018
Ronny van Aerle	Member-at-Large	2017-2019
Annette Bruun Jensen	Member-at-Large	2016-2018
Georgia Ward	Student representative	2016-2018
Kelly Bateman	Past-Chair	2014-2016
Elke Genersch	Past-Secretary	2014-2016

It was discussed that the Ex-officio Chair and Secretary-Treasurer should also be on officer list. The roles were added to list.

The division will need to hold elections at the 2018 meeting in Queensland for a new Chair Elect (Terrestrial), Secretary, Member-at-Large and student representatives.

Members are requested to start thinking about possible nominations in advance of the meeting.

Note on responsibilities:

In addition, a small discussion was held to discuss the responsibilities of the various roles (see below).

Member at Large: Review of Student Travel Award applications, assistance with review of DBI-sponsored programs (Symposia, etc.).

Student Representative: DBI representative on the SIP Student Council.

The SIP Executive Council are updating information in a Guide for Division Chairs on all Division activities and officer roles as well as a FAQ document with information on Travel Awards.

Plans for 2018 Meeting

Ideas for possible symposia and workshops were discussed. It was suggested that the division host a symposium and a cross-divisional symposium again, ideas for a workshop were discussed but were not finalised. It was agreed that DBI would like to attract new researchers to the society, has an active bee research programme and so it was agreed that we will organise a symposium on Bee Health to be organised by Elke Genersch. In addition following the recent White Spot Syndrome Virus outbreak in Australia and the close location to the major shrimp farming regions of Asia it was agreed that a cross-divisional symposium on shrimp diseases will be organised by Kelly Bateman in conjunction with the Virus division.

Miscellaneous

There were no further points raised and meeting was closed.

Kelly Bateman

8th September 2017