



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

27th July 2016

Meeting was chaired by Kelly Bateman.

Agenda was approved.

Minutes from the 2015 division meeting were approved.

SIP Council Meeting

Kelly Bateman 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 has been agreed by the SIP Council members and will begin next year. The Early Career Scientist will recognise highly original contributions of fellow invertebrate pathologists, who are still early in their career. Candidates should have been awarded a PhD in the last 8 years and will need to be nominated by two regular SIP members. Members are requested to check the website for further details.

International Ambassador Programme

Nominations are needed for the Ambassador Program as a way to raise the profile of SIP to invertebrate pathologists throughout the world. The aim is that the SIP Ambassadors would develop and maintain connections with local invertebrate pathologists at various academic, government, industry and other institutional organizations; they would inform SIP about needs for the local scientific community and suggest how SIP could help out; and help increase the network of SIP members in their areas. Nominations are to be suggested to Peter Krell.

Facebook/ Website

Divisions are requested to be more proactive in publishing updates on Facebook and the website, if any members would like to suggest highlights or become more involved in publishing the work of DBI please contact Helen Hesketh.

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. The SIP General Fund provides \$750 for invited speakers and \$1500 for 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. However divisions are requested to maintain the student travel award at \$750, below the Martignoni award, divisions can however award more than two student travel awards if they have the funds. It was also discussed that the divisions could

provide refreshments at the business meetings if they wish to cover the costs from division funds.

Vancouver meeting 2015

The Vancouver meeting was a huge success, with a net profit of approximately \$50,000 USD DBI contributed the following:

DBI members Grant Stentiford, Leellen Solter and James Becnel organised an OECD funded workshop 'Microsporidia in the Animal to Human Food Chain: An International Symposium to Address Chronic Epizootic Disease'. This was held on the Sunday prior to the start of the SIP meeting.

DBI/Microsporidia Symposium: Following the OECD funded event on Microsporidia DBI and Microsporidia hosted a cross divisional symposium on "Microsporidia as emerging pathogens". This was covered by 5 invited speakers:

- Patrick Keeling - The complex relationship between microsporidia and fungi
- Mark Freeman - Fish microsporidians: emerging pathogens or emerging knowledge?
- Wei-Fone Huang - Understanding phylogenetic relationships among species in the *Nosema/Vairimorpha* clade: What does genetic similarity say about host switching in the Microsporidia?
- Bryony Williams - Emergent pathogens of invertebrates: environmental sampling to identify novel parasite lineages
- Louis Weiss - Investigations into the composition of the microsporidian polar tube

A workshop on "environmental DNA" organised by David Bass and Grant Stentiford was held following the DBI Business meeting. Presentations by David Bass and Naomi Fast generated lots of discussion around the topic.

DBI had two contributed paper sessions with 10 presentations (3 student) and 8 poster presentations (4 student).

Tours meeting 2016

This years meeting was held in Tours, Loire Valley, France, July 24 – 28, 2016. The meeting committee was chaired by Elisabeth Herniou and the programme organised by Christina Nielsen LeRoux and Jean-Michel Drezen. There were approximately 400 attendees and 40 companions in attendance from 44 different countries (Iceland and Saint Kitts being highlighted in particular). There were 257 talks, 156 posters, 7 symposia, 2 cross-divisional symposia, 2 special sessions, 4 workshops which followed the division meetings and an outreach event for the general public, insects as food and feed.

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 will be the 50th Golden Jubilee Anniversary of SIP meetings and will be held at the University of California, San Diego Campus, La Jolla, California, 14th-18th August 2017. The campus is 13 miles north of the San Diego International Airport, 4 miles from the village of La Jolla, and 2 miles from the Birch Aquarium at Scripps Institute of Oceanography. The meeting committee will be chaired by Surendra Dara. A Golden Jubilee committee has also been formed (Golden Jubilee Committee Members: Gianpiero Gueli Alletti, Betty Davidson, Kelli Hoover, Johannes Jehle, Nina Jenkins, Peter Krell, Leellen Solter, Grant Stentiford and Monique van Oers) to ensure this meeting celebrates this event in style, members are encouraged to contact these committee members with any ideas they may have.

Divisions will be given additional funds for the organisation of this meeting.

Gold Coast meeting 2018

SIP 2018 will be held on the Gold Coast in Australia, 12-16 August 2018.

Current Situation of 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
Regular Members	25	26	27	27	26	35
Students	15	16	10	12	18	17
Total	40	42	37	39	44	52

Finances

The balance in the DBI's account at the close of FY 2016 was \$2,666.22. 2016 Fiscal year closed end of April 2016.

Closing Balance 2015	\$2,540.14
<u>Revenue</u>	
Dues	\$370
From SIP	\$2,250
Interest	\$6.08
Total Revenue	\$2,626.08
<u>Vacouver Expenses</u>	
Student Travel Award	\$750
Student Travel Award	\$750
Invited Speaker (Mark Freeman)	\$1000 (\$750 from GF and \$250 from DBI)
Total Expense	\$2,500

Closing Balance 2016	\$2,666.22
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Student Travel Awards

There were three applicants for the travel awards this year, judges from the DBI committee and external SIP members (not named on any applications) were asked to be jurors to ensure a fair and open judging process. 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 terrestrial research area the committee agreed that both this year's travel awards could be given to aquatic researchers. The winners (highlighted below) were to be awarded \$750 each. However unfortunately Melanie Buote was not able to attend the conference and her abstract was withdrawn, the money will be returned to the SIP General Fund.

- Louise-Marie Roux is a Masters student at the University of Prince Edward Island in Canada and will present in the contributed papers session.

“Impact of water temperature on immune-related gene expression in American lobster experimentally infected with White Spot Syndrome Virus”

- Melanie Buote is a PhD student at the University of Prince Edward Island in Canada and will present in the contributed papers session.

“Decreased hemolymph refractive index (HRI) and glycogen reserve inclusion (RI) scores in Atlantic Canadian Snow crabs, *Chionoecetes opilio*, with Bitter Crab Disease (BCD), with tentative identification of BCD-associated phospholipids identified by untargeted metabolomic analysis of pooled hemolymph samples”

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

Division Invited Speaker Award

Funds (\$750) was presented to Mike Sweet from University of Derby to present in the divisional workshop on coral diseases. This resulted in lots of discussions following a brief presentation and will hopefully result in a publication.

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, Kelly Bateman stood down as Chair and Helen Hesketh took over the position. Mark Freeman was nominated and accepted the position of Chair Elect, Annette Bruun Jensen became Member-at-Large and Georgia Ward became the new student representative. The Committee is now:

Helen Hesketh

Chair

2016-2018

Mark Freeman	Chair Elect	2016-2018
Kelly Bateman	Secretary	2016-2018
David Bass	Member-at-Large	2015-2017
Annette Bruun Jensen	Member-at-Large	2016-2018
Georgia Ward	Student representative	2016-2018

Plans for 2017 Meeting

Ideas for possible symposia and workshops were discussed. The meeting in San Diego will be the 50th SIP meeting and there will be lots of commemorations to celebrate those 50 years, DBI would like to investigate what the next 50 years will bring?, what will be the new and emerging pathogens over the next 50 years? This was suggested as the symposia topic for next year. DBI had been approached before the meeting by the Virus Division to organise a cross-divisional symposia in honour of Just Vlak in appreciation of all his contributions to the society. It was also suggested that an overview of the work completed at Scripps would make a great workshop, plans to progress these suggestions will follow over the next few months.

- Symposia – Pathogens of Beneficials, what about the next 50 years...
- Cross Divisional Symposia (Viruses) – Just Vlak
- Workshop: Scripps Overview

Miscellaneous

There were no further points raised and meeting was closed.

Kelly Bateman

30th August 2016