

SIP 2015 Vancouver

SATURDAY – August 8

14:00 – 20:00 **Registration** Gage Reception

SUNDAY – August 9

7:30 – 18:00 **Registration** Gage Reception

8:30 – 17:30 **OECD-CRP Symposium** 2301

'Microsporidia in the animal to human food chain: An international symposium to address chronic epizootic disease'

9:00 – 17:00 **SIP Council meeting** 2504

10:30 – 11:00 **BREAK**

12:20 – 13:30 **LUNCH**

13:00 – 17:00 **Workshop: Bacteria Division** 2306/9

'Regulatory considerations for the commercialization of new insecticidal proteins'

- Current insights on Bt insecticidal protein specificity and future directions – *J. Jurat-Fuentes, N. Crickmore*
- Proteins 101: structure, function, and evolution – *J. Jez*
- Protein sequences, structures and functions – rules for divergence and rules for conservation – *Adam Godzik*
- Modelling of insecticidal toxins and their potential interactions: Challenges and aspirations – *C. Berry, N. Crickmore*
- Safety considerations derived from Cry34/35Ab1 structure and function – *K. Narva, N. Storer, R. Herman*

14:40 – 15:00 **BREAK**

- Case study of a novel wCRW insecticidal protein from *Chromobacterium* sp. – *K. Sampson*
- Biochemical characterization of parasporin-4 and effects of the pro-parasporin-4 diet on the health of mice – *S. Okumura, H. Kogo, K. Inouye, E. Mizuki*
- Considerations for the safety assessment of novel insect control proteins: A regulatory perspective – *P. MacDonald*
- New insecticidal proteins: Optimization and specificity – *W. Moar, J. Haas, A. Evdokimov, J. Baum, A. Silvanovich, Y. Yin, D. Bowen, K. Glenn, A. Evan*

16:20 – 17:00 **DISCUSSION**

18:00 – 21:00 **Mixer** Sage Bistro

MONDAY – August 10

7:30 – 18:00 **Registration** Outside Great Hall

8:00 – 10:00 **Opening Ceremony** Great Hall

Todd Kabaluk & Mark Goettel
– Organizing Committee
Peter Krell – President, SIP
Welcome Addresses; Award Presentations

Founders' Lecture

James Becnel – Chair of Founders' Lecture Committee
Honoree: Phyllis T. Johnson
Lecturer: G. Stentiford

10:00 – 10:30 **BREAK**

10:30 – 12:30 **Plenary Symposium** Great Hall

'Insect pathogens in nature: Ecology and evolution'

Meeting at a Glance

- How sea stars get wasted: Evidence of a viral etiology and host response to sea star wasting disease – *C. Burge*
- Symbiont-mediated defense against parasitic nematodes in *Drosophila* – *S. Perlman*
- No nematode is an island: Interactions between entomopathogenic nematodes and other organisms – *C. Griffin*
- The ecology of virulence in insect associated bacteria: Field experiments and experimental evolution – *B. Raymond*

12:30 – 14:00 **LUNCH** (on your own)

12:30 – 14:00 **J. Invertebr. Pathol. Board lunch meeting** 2508

14:00 – 16:00 **Symposium: Microsporidia/Diseases of Beneficial Invertebrates** 2301

'Microsporidia as emerging pathogens'

- The complex relationship between *Microsporidia* and fungi – *P. Keeling*
- Fish microsporidians: Emerging pathogens or emerging knowledge? – *M. Freeman*
- Understanding phylogenetic relationships among relationships among species in the *Nosema/Vairimorpha* clade: What does genetic similarity say about host switching in the *Microsporidia*? – *W-F. Huang*
- Emergent pathogens of invertebrates: Environmental sampling to identify novel parasite lineages – *B. Williams*
- Investigations into the composition of the microsporidian polar tube – *L. Weiss*

14:00 – 16:00 **Contributed Papers**

Bacteria 1 2306/9

Microbial Control 1 2311

16:00 – 16:30 **BREAK**

16:30 – 18:30 **Symposium: Fungi/Microbial Control** 2301

'The (underestimated) value of applied research: Moving the theoretical to the practical'

- Why biopesticides sometimes fail – *R. Gwynn, M. Brownbridge, T. Glare*
- Multiple roles, so what should we measure? An ecological approach to promote the contribution of fungal entomopathogens in pest management within the agro ecosystem – *N. Meyling*
- Research and development of biological crop protection products – *R. Royalty, D. Manker*
- Adapting field trials for microorganisms – in practice – *E. Ladurner*
- How do we improve efficacy monitoring or biopesticides? – *T. Glare, M. Brownbridge, R. Gwynn*

16:30 – 18:30 **Contributed Papers**

Viruses 1 2306/9

Microsporidia 2311

20:00 – 22:00 **Division meetings**

Microbial Control 2301

Diseases of Beneficial Invertebrates 2306/9

+ Workshop: *Environmental DNA*

TUESDAY – August 11

8:00 – 10:00 **Symposium: Bacteria** 2301

'Mechanisms of field resistance to Bt pesticides and Bt-crops'

- Bt resistance in *Plutella* – too many trees? – *N. Crickmore*
- Multiple resistance mechanisms selected in cabbage looper populations resistant to Dipel – *P. Wang*
- Pink bollworm resistance to Bt cotton: Similar mechanisms in the lab and the field – *J. Fabrick*

*all meetings
are in
The Nest*



