Tentative programme

Day 1 to 5 (Does not include field trip on Saturday and Post-conference workshop)

Time	*Aug-18 (Day 1)*	*Aug-19 (Day 2)*	*Aug-20 (Day 3)*	*Aug-21 (Day 4)*	*Aug-22 (Day 5)*
8:30		Opening ceremony			
9:00		**starts at 8:30**	Plenary III/IV	Plenary V	Plenary VII
9:30			(30 min each)	(45 min)	(45 min)
10:00		Remembering those that left us	Group Picture	**Coffee break (9:45 to 10:15)**	**Coffee break (9:45 to 10:15)**
10:30		**Coffee break/Student networking event**	**Coffee break**	Symposia	Symposia
11:00		Plenary I and II	Symposia	Chemical Senses /	Forests /
11:30		(45 min each)	Aquatic CE / Anthropocene	Fruit Flies /	Frontiers
12:00			Blood Sucking Insects	Multitrophic Interactions	**Lunch (12:15 to 13:15)**
12:30		**Lunch**	**Lunch**	**Lunch**	
13:00		**ISCE BM**		**APACE BM**	Plenary VIII **(starts at 13:15)**
13:30		Symposia		Plenary VI	(45 min) + **15-minute break**
14:00	ISCE EC meeting	Biocontrol /		(45 min) + **15-minute break**	Symposia Pheromones /
14:30	(2:00 – 3:30 pm)	Plant Pest Interactions		Symposia Microorganisms /	Biosecurity & Conservation
15:00			Free afternoon	Pollination & Seed Dispersal	**Coffee break (15:15 to 15:45)**
15:30	**Registration opens**	**Coffee break**		**Coffee break**	Symposia continued **(starts at 15:45)**
16:00	APACE EC meeting	Symposia continued		Symposia continued	Pheromones /
16:30	(4:00 – 5:30 pm)	Biocontrol /		Microorganisms /	Biosecurity & Conservation
17:00		Plant Pest Interactions **+ 15-minute break**		Pollination & Seed Dispersal	**+ 15-minute Break**
17:30	Welcome reception	Poster session **(17:30 to 18:15 - 45 minutes)**		**Break**	Closing ceremony (**starts at 17:15**)
18:00		**Odd numbers**			Student awards
18:30		Poster session **(18:15 to 19:00 – 45 minutes**)		Gala Dinner	
19:00		**Even numbers**			

Day 1 – Sessions and room

13:30			
13:45			
14:00			**ISCE CE meeting** (Samoan Room)
14:15			
14:30			
14:45			
15:00	**Registration** (Main Foyer)		
15:15			
15:30			
15:45			
16:00			**APACE EC meeting** (Samoan Room)
16:15			
16:30			
16:45			
17:00			
17:15			
17:30		**Welcome reception** (Main Foyer)	
17:45			
18:00			
18:15			
18:30			
18:45			

Day 2 – Order of presentations by session and rooms

8:30 8:45	**Opening ceremony** Welcome words, Traditional Maori Ceremony, Housekeeping (James Hay Theatre)	
9:00 9:15 9:30	10-minute presentations of each society ISCE, APACE, ALAEQ and E-niche (James Hay Theatre)	
9:45	Invitations to the next ISCE and APACE conferences – Robert Raguso and Il-Kwon Park (James Hay Theatre)	
10:00 10:15	Remembering those that left us (James Hay Theatre)	
10:30 10:45	Coffee break	
11:00 11:15 11:30	Plenary I. APACE Lifetime Achievement Award **Junji Takabayashi** - Introduced by Jerry Zhu (James Hay Theatre)	
11:45 12:00 12:15	Plenary II. ISCE Silver Medal Award **Bill Hansson** - Introduced by Richard Newcomb (James Hay Theatre)	
12:30 12:45 13:00 13:15	Lunch Break and ISCE Business Meeting (James Hay Theatre)	
13:30 13:45	**Biocontrol - Keynote: Adriana Najar** (Limes Room)	**Plant Pest Interactions - Keynote: Ted Turlings** (Avon Room)
14:00	**Adams, Mrs Kempsy (S)**	Mori, Professor Naoki
14:15	**Barrett, Mr Paul (S)**	**Bolis, Mrs. Lea (S)**
14:30	**Ben-Zvi, Yahel (S)**	Ullah, Dr Aziz
14:45	**Arzac, David Emmanuel (S)**	Chuang, Wen-Po
15:00	**Murray, Dr Cody-Ellen (S)**	Liu, Dr Qingsong
15:15	Tian, Zhiqiang	**Mohan-Kumar, Miss Anusha (S)**
15:30	Alizadeh, Dr Hossein	**Hossain, Mr Md Sahadat (S)**
15:45 16:00	Coffee break	
16:15	Silva, Dr Rehan	Borg, Dr. Alexander
16:30	Janairo, Prof. Jose Isagani	Sathyanarayana, Prof N
16:45	Owolabi, Dr Isiaka	Yoshinaga, Dr. Naoko
17:00	Sarkar, Dr Shovon Chandra	Liu, Professor Yang
17:15	15-minute Break	
17:30 17:45 18:00	Poster session with drinks and nibbles **Odd Numbers** (Main Foyer)	
18:15 18:30 18:45	Poster session with drinks and nibbles **Even Numbers** (Main Foyer)	

Day 3 – Order of presentations by session

9:00	Plenary III APACE Young Scientist Award **Li Xu** - Introduced by Alvin Hee (James Hay Theatre)		
9:15			
9:30	Plenary IV ISCE Early Career Award **Nathan Derstine** - Introduced by Robert Raguso (James Hay Theatre)		
9:45			
10:00	Group Picture		
10:15			
10:30	Coffee Break		
10:45			
11:00	**Aquatic Chemical Ecology - Keynote: Victoria Moris** (James Hay Theatre)	**Blood Sucking Insects - Keynote: Wei Xu** (Limes Room)	**Anthropocene - Keynotes: Magali Proffit and Adriana Najar** (Avon Room)
11:15			
11:30	Claereboudt, Dr Emily	Carrasco, Dr David	**Roberts, Jeremy (S)**
11:45	**Gimenez, Mr Lucas (S)**	Chen, Ingrid	**Kerstetter, Jae (S)**
12:00	Lang, Dr Tomas	Mafra-neto, Dr. Agenor	Clavijo McCormick, Andrea
12:15	**Zafar, Mr Md Abu (S)**	Zhu, Dr. Junwei	
12:30	**Lunch Break** **(Lunch only provided for those who registered for afternoon activities)**		
12:45			
13:00			
13:15			
13:30	Free afternoon		
13:45			
14:00			
14:15			
14:30			
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17:45			

Day 4 – Order of presentations by session

9:00	Plenary V ISCE Silverstein Simeone Award **Caroline Müller** - Introduced by Michael Rostás (James Hay Theatre)		
9:15			
9:30			
9:45	Coffee break		
10:00			
10:15	**Chemical Senses (No keynote)** (James Hay Theatre) Carraher, Dr Colm	**Fruit flies - Keynote: Vincent Jacob** (Limes Room)	**Multitrophic Interactions - Keynote: Peng Kuai** (Avon Room)
10:30	Edwards, Dr Timothy		
10:45	**Kaneko, Mr. Takuto (S)**	Fennine, Chaymae	Kariyat, Rupesh
11:00	Ma, Dr. Baiwei	Unelius, Professor C. Rikard	Gao, Dr. Qing
11:15	Mitchell, Dr. Robert	**Akter, Most Mottakina (S)**	**Oh, Ji Hye (S)**
11:30	Pal, Dr Elisa	Taylor, Prof. Phil	**Peftuloglu, MSc Dimitri (S)**
11:45	Szyszka, Paul	Raguso, Dr. Robert	**Sanches, MSc Mateus Souza (S)**
12:00	**Downie, Mr Iwan (S)**	Mozūraitis, Dr Raimondas	
12:15		Hee, Alvin Kah Wei	
12:30	Lunch Break and APACE Business meeting (Avon Room)		
12:45			
13:00			
13:15			
13:30	Plenary VI ISCE Applied Chemical Ecology Award **Jürgen Gross** - Introduced by Claudia Lange (James Hay Theatre)		
13:45			
14:00			
14:15	**15-minute break to switch rooms**		
14:30	**Microorganisms (No keynote)** (James Hay Theatre) Sobhy, Dr Islam	**Pollination and Seed Dispersal - Keynote: Robert Raguso** (Avon Room)	
14:45	**Humbert, Lisa (S)**		
15:00	Rostás, Dr. Michael	Bohman, Björn	
15:15	Mendoza-Mendoza, Artemio	**Kulkarni, Manasa (S)**	
15:30	Coffee break		
15:45			
16:00	Sanches, Dr. Patricia	**Nguyen, Linh M. N. (S)**	
16:15	**Kasige, Ramalka (S)**	**Rosales-Garcia, Rogelio (S)**	
16:30	Wang, Professor Guirong	Schaeffer, Robert	
16:45	**Martin, Valerie (S)**	**Van Kints, Mr Seeger (S)**	
17:00	**Lignon, Aiko (S)**	**Wawrzyczek, Dr Stanislaw (S)**	
17:15		Wee, Dr Suk-Ling	
17:30	**Break**		
17:45			
18:00			
18:15			
18:30	Gala Dinner Starts (continues until late night) – (Limes Room)		

Day 5 – Order of presentations by session

9:00	Plenary VII Scientific Committee Invited Speaker **Almuth Hammerbacher** - Introduced by Jeremy Alison (James Hay Theatre)	
9:15		
9:30		
9:45	Coffee break	
10:00		
10:15	**Forests (No Keynote)** (Limes Room) Alison, Jeremy	**New Frontiers Keynote: Lloyd Stringer** (Avon Room)
10:30	**Baños Quintana, Ms. Ana Patricia (S)**	
10:45	Hayes, Dr R Andrew	**Chakravarthy, Mr Advaith (S)**
11:00	Mendoza-Mendoza, Artemio	Geiberras, Dr Daniel
11:15	Rasheed, Dr Muhammad Usman	Lubanga, Dr Umar
11:30	Park, Prof Il-Kwon	Zaman, Rashaduz
11:45	Ray, Ann	Wang, Prof Bing
12:00	Sytnyk, Dr. Svitlana	Gouzerh, Dr Flora
12:15	Lunch Break	
12:30		
12:45		
13:00		
13:15	Plenary VIII Scientific Committee Invited Speaker **Max Suckling** - Introduced by Lloyd Stringer (James Hay Theatre)	
13:30		
13:45		
14:00	**15-minute break to switch rooms**	
14:15	**Pheromones – Keynote: Kathy Darragh** (Limes Room)	**Biosecurity & Conservation – Keynote: Kye Chung Park** (Avon Room)
14:30		
14:45	Rebholz, Dr. Zarley	**Kamanga, Blair Moses (S)**
15:00	**Sato, Kent (S)**	**Tavera, Mary Angelique (S)**
15:15	Coffee break	
15:30		
15:45	Ding, Dr. Baojian	Paudel, Dr Sulav
16:00	Cunningham, Assoc. Prof John Paul	Fraser, Dr Michael
16:15	Park, Dr Soo Jean	Mitaka, Dr. Yuki
16:30	Blassioli Moraes, Dr. Maria Carolina	Edwards, Eric
16:45		Rostás, Dr. Michael
17:00	**15-minute break**	
17:15	**Closing ceremony -** Final remarks and student awards	
17:30		
17:45		
18:00		
18:15		

List of oral presentations

Number	Title	Presenter	Session/Plenary	Notes
1	Plant–Plant Communication Mediated by Leaf Volatiles	Takabayashi, Prof. Emer. Junji	Plenary Speaker I – APACE Lifetime Achievement Award	
2	Neuroecology of locust olfaction	Hansson, Prof. Dr Bill S	Plenary Speaker II – ISCE Silver Medal Award	
3	Molecular mechanisms of mating-mediated olfactory behavioral plasticity in the oriental fruit fly	Xu, Li	Plenary Speaker III – APACE Young Scientist Award	
4	Integrative perspectives on social insect chemical signaling	Derstine, Nathan	Plenary Speaker IV – ISCE Early Career Award	
5	Benefits of being chemically divers	Müller, Prof. Caroline	Plenary Speaker V – ISCE Silverstein Simeone Award	
6	From chemical ecology to biotechnical crop protection – sustainable agriculture in the face of globalization, biodiversity crisis and climate change	Gross, Prof. Dr. Jürgen	Plenary Speaker VI – ISCE Applied Chemical Ecology Award	
7	Chemical communication between the Eucalyptus snout beetle, its hosts and the egg parasitoid Anaphes nitens	Hammerbacher, Prof Almuth	Plenary Speaker VII – Scientific Committee Invited Speaker	
8	Harnessing Chemical Ecology: From Cross Species Disruption to Sniffer Bees	Suckling, Prof. Max	Plenary Speaker VIII – Scientific Committee Invited Speaker	
9	**Harnessing chemical ecology for sustainable biological control**	**Najar Rodriguez, Dr Adriana Jeanette**	**Chemical Ecology and Biocontrol**	**Keynote**
10	**Does reproductive status affect behavioural response to conspecific odours in fruit spotting bugs (Amblypelta spp. (Stål, 1873), (Hemiptera: Coreidae))?**	**Adams, Mrs Kempsy**	**Chemical Ecology and Biocontrol**	**Student**
11	**Exploring UV-induced biochemical change in an invasive shrub and its implications for biocontrol.**	**Barrett, Mr Paul**	**Chemical Ecology and Biocontrol**	**Student**
12	**Landscape Context Influences Natural Enemy Attraction to Herbivore-Induced Plant Volatiles**	**Ben-Zvi, Yahel**	**Chemical Ecology and Biocontrol**	**Student**

13	**Linking volatile chemical landscape to parasitic activity of Fopius arisanus in mango orchards**	**Arzac, David Emmanuel**	**Chemical Ecology and Biocontrol**	**Student**
14	**Chemical ecology in the biological control of weeds: the role of sex pheromones in the species delimitation and monitoring of moth biocontrol agents**	**Murray, Dr Cody-Ellen**	**Chemical Ecology and Biocontrol**	**Student**
15	An egg parasitoid assesses host egg quality from afar using oviposition-induced plant volatiles	Tian, Zhiqiang	Chemical Ecology and Biocontrol	
16	Exploring the combined use of biocontrol agents Trichoderma atroviride and Engytatus nicotianae against the tomato psyllid (Bactericera cockerelli)	Alizadeh, Dr Hossein	Chemical Ecology and Biocontrol	
17	Attraction of predatory spotted ladybird to odours associated with fall armyworm larvae and induced sweet corn seedlings	Silva, Dr Rehan	Chemical Ecology and Biocontrol	
18	Identification and evaluation of semiochemicals for the control of the cacao mirid bug Helopeltis bakeri Poppius	Janairo, Prof. Jose Isagani	Chemical Ecology and Biocontrol	
19	Plant Defense Mechanisms in Watermelon: Volatile-Mediated Resistance against Whitiflies	Owolabi, Dr Isiaka	Chemical Ecology and Biocontrol	
20	Attractant strategies for beneficial in canola: implementation in pest management	Sarkar, Dr Shovon Chandra	Chemical Ecology and Biocontrol	
21	**Exploiting herbivore-induced plant volatiles for crop protection**	**Turlings, Prof. Ted**	**Chemical Signals that Mediate Plant-Pest Interactions**	**Keynote**
22	Smart defense strategies in plants against herbivorous insects: perspectives from FACs biosynthesis and metabolisms in insects.	Mori, Professor Naoki	Chemical Signals that Mediate Plant-Pest Interactions	
23	**Shedding light on mechanisms underlying the regulation of insect pests in the oilseed rape-faba bean associative system**	**Bolis, Mrs. Lea**	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
24	Glucosinolate profiles linked to reduced flea beetle (Phyllotreta nvestigat) damage in Brassica napus X Sinapis alba introgressed lines	Ullah, Dr Aziz	Chemical Signals that Mediate Plant-Pest Interactions	
25	The Mechanism of BPH17-Mediated Resistance to Brown Planthopper in Rice	Chuang, Wen-Po	Chemical Signals that Mediate Plant-Pest Interactions	

26	Virulence characteristics of Nilaparvata lugens (Stal) reared on resistant rice variety YHY15	Liu, Dr Qingsong	Chemical Signals that Mediate Plant-Pest Interactions	
27	**Semiochemical – based alternative concepts for the management of wireworms**	**Mohan-Kumar, Miss Anusha**	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
28	**Identification of host plant volatile and essential oil compounds for modifying adult pest behaviour of Liriomyza huidobrensis**	**Hossain, Mr Md Sahadat**	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
29	Characterising the secondary metabolite and genetic mechanisms of aphid-wheat interactions in aphid resistant ancestral wheat.	Borg, Dr. Alexander	Chemical Signals that Mediate Plant-Pest Interactions	
30	From Leaf Flush to Maturity: Ontogeny-Driven Intraspecific Variation in Plant Constitutive Defence Strategies in Mucuna pruriens (L.) DC.	Sathyanarayana, Prof N	Chemical Signals that Mediate Plant-Pest Interactions	
31	Physical and chemical stimuli necessary for oviposition of the peach fruit moth: oviposition inhibitory activity caused by shielding by clay mineral coatings	Yoshinaga, Dr. Naoko	Chemical Signals that Mediate Plant-Pest Interactions	
32	Carbon dioxide drives oviposition in Helicoverpa armigera	Liu, Professor Yang	Chemical Signals that Mediate Plant-Pest Interactions	
33	**New GPCR family responding to volatile pheromones in the marine worm Platynereis dumerilii**	**Moris, Dr. Victoria C.**	**Aquatic Chemical Ecology**	**Keynote**
34	Conspecific Chemical Cues in Ciona intestinalis: Linking Larval Behaviour, Brain Activity, and Cue Composition	Claereboudt, Dr Emily	Aquatic Chemical Ecology	
35	**Jellyfish polyps make great neighbours: Larval response to conspecific chemical cues in habitat selection**	**Gimenez, Mr Lucas**	**Aquatic Chemical Ecology**	**Student**
36	Multi-omics driven investigation of the principles of intraspecific molecular communication (particularly autotoxicity) within the holobiont of the red seaweed, Asparagopsis taxiformis	Lang, Dr Tomas	Aquatic Chemical Ecology	
37	**Semiochemical biomarkers for the identification of sex and reproductive status in Sydney Rock Oyster**	**Zafar, Mr Md Abu**	**Aquatic Chemical Ecology**	**Student**

38	**Understanding mosquito smell system: a new frontier in mosquito control**	**Xu, Dr Wei**	**Blood Sucking Insects and Practical Applications**	**Keynote**
39	Pyrethroids sensory detection in the malaria vector Anopheles gambiae	Carrasco, Dr David	Blood Sucking Insects and Practical Applications	
40	Development of second generation passive emanators to reduce mosquito biting behavior	Chen, Ingrid	Blood Sucking Insects and Practical Applications	
41	Effective Semiochemical Strategies for Vector Management	Mafra-neto, Dr. Agenor	Blood Sucking Insects and Practical Applications	
42	Recent advancements of semiochemical based blood-sucking pest management	Zhu, Dr. Junwei	Blood Sucking Insects and Practical Applications	
43	**Chemical ecology in the Anthropocene**	**Najar Rodriguez, Dr Adriana Jeanette and Proffit, Magali**	**Chemical Ecology in the Anthropocene**	**Keynote**
44	**Effects of drought and flooding on a tri-trophic system, involving aphids and their natural enemies**	**Roberts, Jeremy**	**Chemical Ecology in the Anthropocene**	**Student**
45	**Domestication of blueberries drives performance of an herbivore through changes in constitutive defenses**	**Kerstetter, Jae**	**Chemical Ecology in the Anthropocene**	**Student**
46	Plant Invasion Down Under	Clavijo McCormick, Andrea	Chemical Ecology in the Anthropocene	
47	An iOR-based Biosensor for the detection of Fall Army Worm (Spodoptera frugiperda)	Carraher, Dr Colm	Chemical Senses	
48	Lung cancer detection with dogs: Method development and accuracy estimation	Edwards, Dr Timothy	Chemical Senses	
49	**The Role of Anthocyanin in Belowground Conspecific Interaction: A Case Study Using Dioscorea alata (Water Yam) Cultivars with Varying Anthocyanin Contents**	**Kaneko, Mr. Takuto**	**Chemical Senses**	**Student**
50	Piezo mediates oviposition in shielding gaps to protect moth eggs from parasitoid wasp	Ma, Dr. Baiwei	Chemical Senses	
51	Novel lineages of hexapod chemoreceptors establish an origin for insect gustatory and odorant receptors	Mitchell, Dr. Robert	Chemical Senses	
52	Chemical ecology of honey bee responses to brood injuries	Pal, Dr Elisa	Chemical Senses	

53	The speed of smell: Temporal resolution and odour source segregation in insects	Szyszka, Paul	Chemical Senses	
54	**Dogs can perform an odour discrimination task using fine scale differences in odour arrival timing**	**Downie, Mr Iwan**	**Chemical Senses**	**Student**
55	**From Olfactome to Attractome: cross-species conservation of peripheral olfactory tuning predicts behavioural sensitivity in Bactrocera dorsalis**	**Jacob, Vincent**	**Fruit Fly Chemical Ecology**	**Keynote**
56	Divergent evolutionary pressures shape olfactory sensitivity of the maxillary palps in Tephritidae fruit flies	Fennine, Chaymae	Fruit Fly Chemical Ecology	
57	Improved Queensland fruitfly lures – Longevity versus high efficiency	Unelius, Professor C. Rikard	Fruit Fly Chemical Ecology	
58	**Effects of Zingerone ingestion on the sexual maturation and cuticular profile of male Bactrocera jarvisi flies**	**Akter, Most Mottakina**	**Fruit Fly Chemical Ecology**	**Student**
59	Domestication increases sex pheromone emission and calling effort of Queensland fruit fly males	Taylor, Prof. Phil	Fruit Fly Chemical Ecology	
60	Natural fruit and microbial cues improve selective trapping of Drosophila suzukii	Raguso, Dr. Robert	Fruit Fly Chemical Ecology	
61	Behaviour-Modifying Volatiles for Pest Control of the European Cherry Fruit Fly, Rhagoletis cerasi (Diptera: Tephritidae)	Mozūraitis, Dr Raimondas	Fruit Fly Chemical Ecology	
62	Attractancy of beta-caryophyllene to male Oriental fruit fly	Hee, Alvin Kah Wei	Fruit Fly Chemical Ecology	
63	**Identification and knockout of a herbivore susceptibility gene enhances planthopper resistance and increases rice yield**	**Kuai, Peng**	**Chemical and Molecular Ecology of Multitrophic Interactions**	**Keynote**
64	Plant Phenology Drives Foliar Volatiles Emission With Consequences For Arthropod Community Dynamics in Row Crops	Kariyat, Rupesh	Chemical and Molecular Ecology of Multitrophic Interactions	
65	Chemical and molecular mechanisms underlying the ovicidal defense of rice against phloem-feeding insects	Gao, Dr. Qing	Chemical and Molecular Ecology of Multitrophic Interactions	

66	**Identification and behavioral evaluation of VOCs from Fusarium solani-infected kidney beans for development of synthetic volatile attractant for gravid female adults of Bradysia impatiens (Diptera: Sciaridae)**	**Oh, Ji Hye**	**Chemical and Molecular Ecology of Multitrophic Interactions**	**Student**
67	**Olfactory learning in Pieris brassicae butterflies is dependent on the intensity of a plant-derived oviposition cue**	**Peftuloglu, Msc Dimitri**	**Chemical and Molecular Ecology of Multitrophic Interactions**	**Student**
68	**Multiple Herbivory by Corn Leafhopper and Fall Armyworm Shape Maize Volatile Emissions: insights from conventional and rapid detection methods**	**Sanches, MSc Mateus Souza**	**Chemical and Molecular Ecology of Multitrophic Interactions**	**Student**
69	Harnessing Chemical Signalling in Plant–Microbe–Insect Interactions for Improved Biological Control	Sobhy, Dr Islam	Microbe-Plant-Insect Interactions	
70	**Sex as a Weapon: Using Fungal Sex Hormones as Novel Crop Protection**	**Humbert, Lisa**	**Microbe-Plant-Insect Interactions**	**Student**
71	Sesquiterpene Biosynthetic Gene vir4 from Trichoderma virens Enhances Direct Herbivore Resistance while Maintaining Indirect Defense	Rostás, Dr. Michael	Microbe-Plant-Insect Interactions	
72	TRSYMB1 is a novel transcription factor which regulates secondary metabolism and symbiosis in Trichoderma	Mendoza-Mendoza, Artemio	Microbe-Plant-Insect Interactions	
73	Rhizobia alter virus–vector–host interactions via host and vector chemistry	Sanches, Dr. Patricia	Microbe-Plant-Insect Interactions	
74	**Deciphering the role of silicon and arbuscular mycorrhizal symbiosis in plant defense against herbivory: a benzoxazinoid perspective**	**Kasige, Ramalka**	**Microbe-Plant-Insect Interactions**	**Student**
75	Yeast-derived volatiles orchestrate an insect-yeast mutualism with oriental armyworm moths	Wang, Professor Guirong	Microbe-Plant-Insect Interactions	
77	**More brew than bruise: a nectar yeast transforms nectar scents of multiple wildflower species and shifts inflorescence volatiles more than nectar robbing**	**Martin, Valerie**	**Microbe-Plant-Insect Interactions**	**Student**

78	**Influence of Pollinator-Associated Exterior Surface Bacterial Communities on Blueberry Floral Volatile Organic Compounds**	**Lignon, Aiko**	**Microbe-Plant-Insect Interactions**	**Student**
79	**Whispering sweet (N)othings: are floral aldoximes index signals for nectar amino acids?**	**Raguso, Dr. Robert**	**Chemical Ecology of Pollination and Seed Dispersal**	**Keynote**
80	Dry Times: The Impact of Reduced Rainfall on the Performance and Pollination Services of Brassicaceae Crops and Their Wild Relatives	Akallasandra Yoganadamurthy, Mr Hemanth	Chemical Ecology of Pollination and Seed Dispersal	
81	Pollination of Cryptosylis ovata by sexual deception via a proposed pro-pheromone mimicry mechanism	Bohman, Björn	Chemical Ecology of Pollination and Seed Dispersal	
82	**Distinctive elementome and biogeochemical niche allows co-development of mutualistic occupants of a fig syconium microcosm**	**Kulkarni, Manasa**	**Chemical Ecology of Pollination and Seed Dispersal**	**Student**
83	**Fruit Scent Evolution in Plant-Seed Disperser Interactions**	**Nguyen, Linh M. N.**	**Chemical Ecology of Pollination and Seed Dispersal**	**Student**
84	**Floral compound attractants for buzz-pollination by Amegilla anthophorine bees**	**Rosales-Garcia, Rogelio**	**Chemical Ecology of Pollination and Seed Dispersal**	**Student**
85	Yeast fermentative volatiles promote illicit foraging behavior in bumble bees	Schaeffer, Robert	Chemical Ecology of Pollination and Seed Dispersal	
86	**Sharing of 4-hydroxy-3-(methylthio)benzaldehyde as a pollination semiochemical between distantly related sexually deceptive orchids**	**Van Kints, Mr Seeger**	**Chemical Ecology of Pollination and Seed Dispersal**	**Student**
87	**Floral scent chemistry and pollination ecology of Banksia (Proteaceae)**	**Wawrzyczek, Dr Stanislaw**	**Chemical Ecology of Pollination and Seed Dispersal**	**Student**
88	Asynchronous Dynamics of Bulbophyllum Orchid-Fruit Fly Pollinator Mutualistic Interactions and Effects of Floral Acquisition on Male Mating Enhancement	Wee, Dr Suk-Ling	Chemical Ecology of Pollination and Seed Dispersal	
89	Comparison of methods for assessing the active space of spruce budworm and spongy moth pheromone-baited traps	Alison, Jeremy	Chemical Ecology of Forest Ecosystems	
90	**Are yeasts helping a tree-killer thrive?**	**Baños Quintana, Ms. Ana Patricia**	**Chemical Ecology of Forest Ecosystems**	**Student**

91	Using multi-lures to trap forest pest insects in Australia. Is there a benefit of combining lures?	Hayes, Dr R Andrew	Chemical Ecology of Forest Ecosystems	
92	Bioactivity of Trichoderma Secondary Metabolites Against Forest Tree Pathogens in New Zealand	Mendoza-Mendoza, Artemio	Chemical Ecology of Forest Ecosystems	
93	Does the Difference in the Aggregation-Sex Pheromone Release Pattern between Monochamus alternatus Hope (Coleoptera: Cerambycidae) and Monochamus saltuarius Gebler Ensure Reproductive Isolation in the Cohabitation Area?	Park, Professor Il-Kwon	Chemical Ecology of Forest Ecosystems	
94	Herbivore induced plant-plant signaling via mycorrhizal fungi in Scots pine seedlings	Rasheed, Dr Muhammad Usman	Chemical Ecology of Forest Ecosystems	
95	We can't know what we can't catch: considering trap treatments post-PFAS	Ray, Ann	Chemical Ecology of Forest Ecosystems	
96	Biochemical and Antioxidant Responses of Robinia pseudoacacia L. to Infestation by the Invasive Leaf Miner Parectopa robiniella (Clemens, 1763).	Sytnyk, Dr. Svitlana	Chemical Ecology of Forest Ecosystems	
97	**Semiochemistry+: Opportunities for cross discipline collaboration for primary production industries**	**Stringer, Lloyd**	**New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships**	**Keynote**
98	**Developing a novel multisensory push-pull strategy for ultrasound sensitive insect pests**	**Chakravarthy, Mr Advaith**	**New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships**	**Student**
99	Development of a carob moth (Ectomyelois ceratoniae) semiochemical lure targeting gravid females	Geiberras, Dr Daniel	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	
100	Optimisation and evaluation of an external trap as a mass trapping and monitoring device for small hive beetles.	Lubanga, Dr Umar	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	
101	Plant cross-talks: mechanical stress alters volatile emission and species composition in neighboring grassland plant communities	Zaman, Rashaduz	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	
102	Hot Breath, Quick Exit: Aphids Flee Mammalian Heat via TRPA1	Wang, Prof Bing	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	

103	A New Approach for Detection of Tasmanian Devil Facial Tumor Disease: VOC Analysis and Canine Scent Detection	Gouzerh, Dr Flora	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	
104	**Evolutionary origins of terpene synthesis in butterflies**	**Darragh, Kathy**	**Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications**	**Keynote**
105	Convergent and divergent functional evolution of terpene synthase enzymes in butterflies	Rebholz, Dr. Zarley	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
106	**Functional evaluation of Bombyx mori OR3-expressing sensor cells in response to C16 pheromone components**	**Sato, Kent**	**Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications**	**Student**
107	Production of pheromones in Camelina for sustainable pest control	Ding, Dr. Baojian	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
108	Developing and commercialising a new lure for monitoring and mass trapping Carpophilus *truncatus* a major pest of almonds.	Cunningham, Assoc. Prof John Paul	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
109	Improved synthesis and behavioural evaluation of pheromone blends for monitoring the banana-spotting bug	Park, Dr Soo Jean	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
110	Shared Sesquiterpenoid Pheromones and Communication Complexity in Neotropical Stink Bugs	Blassioli Moraes, Maria Carolina	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
111	**The Critical Need for New Insect Attractants to Enhance Biosecurity Measures in Antarctica**	**Park, Kye Chung**	**Biosecurity and Conservation**	**Keynote**
112	**Integrative analysis of allelopathic activity and metabolite profiling in Moringa oleifera root extracts on native, pasture and weed species**	**Kamanga, Blair Moses**	**Biosecurity and Conservation**	**Student**
113	**Understanding Nest Marking Scents in New Zealand Native Bees: Insights into Nest Recognition**	**Tavera, Mary Angelique**	**Biosecurity and Conservation**	**Student**
114	Use of pheromones for surveillance and monitoring of invasive coconut rhinoceros beetle	Paudel, Sulav	Biosecurity and Conservation	

115	Optimizing release devices for non-specific monitoring of invasive and destructive beetles	Fraser, Dr Michael	Biosecurity and Conservation	
116	Food-derived odors modulate chemical communication in the termite Reticulitermes flavipes	Mitaka, Dr. Yuki	Biosecurity and Conservation	
117	The potential of synthetic sex pheromone among other technologies to suppress Vespula species wasps	Edwards, Eric	Biosecurity and Conservation	
118	First insights on the chemical ecology of a new invasive mega-pest in Europe	Rostás, Dr. Michael	Biosecurity and Conservation	

List of poster presentations

Poster No.	Title	Presenter	Theme/Sub Theme	Notes
1	Synthesis of pheromones of various Nettle caterpillars, and their field application	Miyake, Mr. Yuki	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
2	**Preliminary identification of a sex pheromone candidate in the ginseng stem fungus gnat, Bradysia procera (Diptera: Sciaridae)**	**Lee, Min-Woo**	**Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications**	**Student**
3	Elucidation of the biosynthesis pathway of sex pheromones in Cnaphalocrocis medinalis and functionally investigaion of the key enzymes	Liu, Mengyu	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
4	Regional variation of sex pheromone in the Australian Fall armyworm population	Hossain, Md Jamil	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
5	Olfactory activities of sex pheromone and structurally related compounds in Spodoptera litura: GC-EAD and field trapping study	Jeong, Seon Ah	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	**Two submissions**
6	Species-Specific Cuticular Hydrocarbons as Potential Sex Pheromones in Chrysidid Wasps	Blažytė-Čereškienė, Dr. Laima	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
7	Pheromone candidates of the endangered Katipō spider (Latrodectus katipo)	Twidle, Andrew	Biosecurity and Conservation	
8	Regional variation in the efficacy of FAW pheromone-based lures in Australia	Mendez Alvarez, Vivian	Biosecurity and Conservation	
9	**Identification of Pheromone Binding Protein Genes in Dioryctria abietella (Denis & Schiffermüller) (Lepidoptera: Pyralidae)**	**Han, Ji Hwan**	**Chemical and Molecular Ecology of Multitrophic Interactions**	**Student**
10	Comparative Transcriptomic Analysis of Chemosensory Recognition in Frankliniella occidentalis and Thrips palmi Karny	Park, Kun Hyang	Chemical and Molecular Ecology of Multitrophic Interactions	
11	**Ontogeny of Maize Shapes Emission of Herbivore-induced Plant Volatiles but Depends on Who Attacks – a case study with fall armyworm and the corn leafhopper**	**Sanches, MSc Mateus Souza**	**Chemical and Molecular Ecology of Multitrophic Interactions**	**Student**

12	Associative learning of host-associated volatiles in a drosophilid parasitoid	González, Prof. Andrés	Chemical Ecology and Biocontrol	
13	Combining semiochemicals with ecological intensification to harness aphid biocontrol in apple crops	Ramiaranjatovo, Dr Gaëlle	Chemical Ecology and Biocontrol	
14	Temporal variations in the floral volatile emissions of cocoa and the abundance of its pollinators	Santos, Mr. Kris Lord	Chemical Ecology of Pollination and Seed Dispersal	
15	The New Zealand Floral Volatilome	Mas, Dr Flore	Chemical Ecology of Pollination and Seed Dispersal	
16	**Bird vs Cats...paw: Why Don't Brown Honeyeaters Like Catspaw Nectar?**	**Butler, Isabella**	**Chemical Ecology of Pollination and Seed Dispersal**	**Student**
17	Effects of xenobiotics on associative learning and peripheral olfaction of honeybees	Rossini, Professor Carmen	Chemical Ecology of Pollination and Seed Dispersal	
18	Reproductive isolation in sympatric Philodendron species: do floral odours act as private communication channels?	McClure, Melanie	Chemical Ecology of Pollination and Seed Dispersal	
19	**Antennal olfactory receptor neurons for host plant volatiles and sex pheromone in Dioryctria abietella (Denis & Schiffermüller, 1775) (Lepidoptera: Pyralidae)**	**Lee, Jaewoo**	**Chemical Senses**	**Student**
20	Morphology and Distribution of Olfactory Sensilla on the Antennae of the Bronze Beetle, Eucolaspis brunnea	Kim, Jiae	Chemical Senses	
21	Functional Characterization of two Olfactory Receptors in Oedaleus asiaticus	Li, Ling	Chemical Senses	
22	Electrophysiological Responses of Antennal Sensilla in Monochamus alternatus Hope (Coleoptera: Cerambycidae) to Pheromone, Bark Beetle Pheromone, and Host Volatiles	Huh, Minjung	Chemical Senses	
23	Entomopathogenic nematode responses to host-derived volatiles: behavioral and emission patterns of 1-nonene	Čepulytė, Dr. Rasa	Chemical Senses	
24	Sugar response and gustatory gene expression stingless bees	Balbuena, Dr Maria Sol	Chemical Senses	

25	Screening, Identification, and Functional Study of Olfactory-Related Genes in the Teak Defoliator Moth, Hyblaea puera	Dong, Qi	Chemical Senses	
26	Rearing History, Larval Density, and Ontogeny Affect Volatile- and Light-Mediated Diel Hiding Behavior in Mythimna unipuncta	Takabayashi, Junji	Chemical Signals that Mediate Plant-Pest Interactions	
27	**Assessment of diversity in volatiles of World Rice Core Collection as basis for the understanding of crop indirect defense**	**Ho, Mrs Thanh Nhan**	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
28	**Cryptostylines: Natural plant alkaloids involved in herbivory defence in Australian Cryptostylis?**	**ter Horst, Saskia**	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
29	**Spatial repellent and attractant effects of natural products against Halyomorpha halys (Stål) and Plautia stali scott (Hemiptera: Pentatomidae): electrophysiological responses and field tests**	**Yu, Da hyeon**	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
30	Both host plant volatiles and sex pheromones are required for finding mates in the codling moth	Erdei, Dr. Anna Laura	Chemical Signals that Mediate Plant-Pest Interactions	
31	Mapping sagebrush chemotypes along an elevational gradient	Rasheed, Dr Muhammad Usman	Chemical Signals that Mediate Plant-Pest Interactions	
32	Repellent activity of α-copaene and copaiba oil against the Asian Citrus Psyllid	Agostini, Dr. Thiago Trevisoli	Chemical Signals that Mediate Plant-Pest Interactions	
33	Transcriptional regulation of γ-octalactone induced expression of odorant binding protein 83g-2 in Bactrocera dorsalis (Hendel)	Jiang, Professor Hongbo	Fruit Fly Chemical Ecology	
34	Electrophysiological Identification of Host Plant- and Protein Bait-Derived Volatiles by the Antennae and Maxillary Palps of Bactrocera depressa for the Development of Female-Targeted Attractants	Jeong, Seon Ah	Fruit Fly Chemical Ecology	**Two submissions**
35	Identification and Functional Characterisation of Bactrocera tryoni Odorant Receptors	Penrose, Mr. W. Stephen	Fruit Fly Chemical Ecology	

36	Behavioural and peripheral olfactory responses to male attractants across Tephritidae (Diptera): a comparative study	Jacob, Vincent	Fruit Fly Chemical Ecology	
37	Olfactory Adaptations Underlying Ecological Divergence in Drosophila melanogaster and Drosophila suzukii	Kim, Young Ho	Fruit Fly Chemical Ecology	
38	Endophytic entomopathogenic fungus, individually and in combination with rhizobacteria, enhances resistance in wild and cultivated tomatoes to Tuta absoluta	Bento, José Maurício	Microbe-Plant-Insect Interactions	**Two submissions**
39	When the Fungus Takes Control: Manipulation of Insect Sexual Signaling and Mate Choice by Fusarium verticillioides	Bento, José Maurício	Microbe-Plant-Insect Interactions	**Two submissions**
40	The symbiont Stenotrophomonas maltophilia mediates ivermectin resistance via xenobiotic metabolism in Haemonchus contortus	Wu, Phd Candidate Simin	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	
41	Dynamic releaser as a suitable tool for chemical ecology and behavioral approaches	Magnani, Dr. Rodrigo	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	