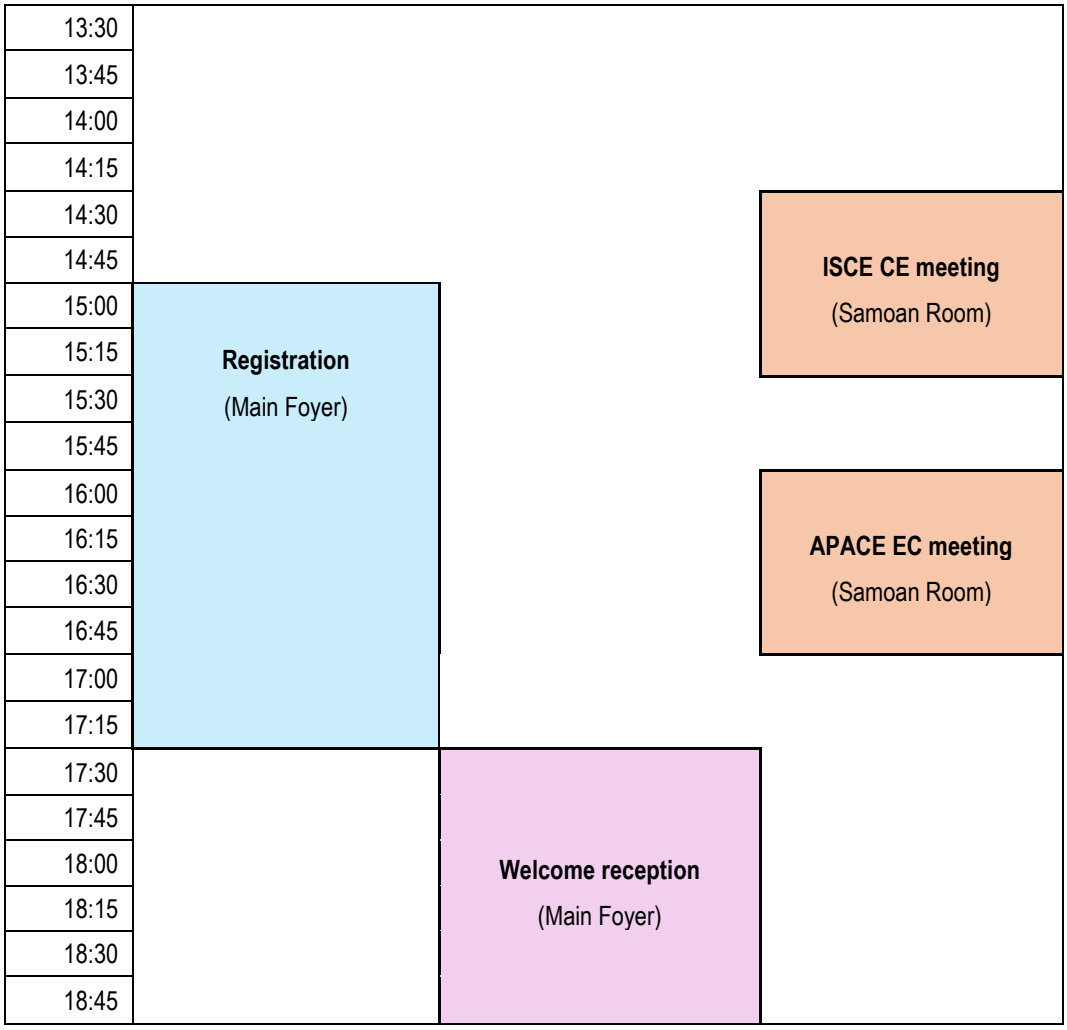
Tentative programme

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 Chemical Ecology /	Fruit Flies /	Frontiers
12:00			Blood Sucking Insects /	Multitrophic Interactions	
12:30		**Lunch**	Anthropocene	**Lunch**	**Lunch**
13:00		**ISCE BM**	**Lunch to go 12:45**	**APACE BM**	
13:30		Symposia	Free afternoon	Plenary VI	Plenary VIII
14:00		Biocontrol /		(45 min) + **15-minute break**	(45 min) + **15-minute break**
14:30	ISCE EC meeting	Plant Pest Interactions		Symposia Microorganisms /	Symposia Pheromones /
15:00	(2:30 – 3:30 pm)			Pollination & Seed Dispersal	Biosecurity & Conservation
15:30	**Registration starts at 3:00**	**Coffee break**		**Coffee break**	**Coffee break**
16:00	APACE EC meeting	Symposia continued		Symposia continued	Symposia continued
16:30	(4:00 – 5:00 pm)	Biocontrol /		Microorganisms /	Pheromones /
17:00		Plant Pest Interactions		Pollination & Seed Dispersal	Biosecurity & Conservation
17:30	Welcome reception	Poster session (5:30 to 6:15 - 45 minutes)		**Break**	**15-minute break**
18:00		**Odd numbers**			Closing ceremony
18:30		Poster session (6:15 to 19:00 – 45 minutes)		Gala Dinner	Student awards
19:00		**Even numbers**			

Day 1 – Sessions and room



Day 2 – Order of presentations by session and rooms

8:30	**Opening ceremony** Welcome words, Traditional Maori Ceremony, Housekeeping (James Hay Theatre)	
8:45		
9:00	10-minute presentations of each society ISCE, APACE, ALAEQ and E-niche (James Hay Theatre)	
9:15		
9:30		
9:45	10-minute invitation to the next ISCE conference - Robert Raguso (James Hay Theatre)	
10:00	Remembering those that left us (James Hay Theatre)	
10:15		
10:30	Coffee break	
10:45		
11:00	Plenary I. APACE Lifetime Achievement Award **Junji Takabayashi** - Introduced by Jerry Zhu (James Hay Theatre)	
11:15		
11:30		
11:45	Plenary II. ISCE Silver Medal Award **Bill Hansson** - Introduced by Richard Newcomb (James Hay Theatre)	
12:00		
12:15		
12:30	Lunch Break and ISCE Business Meeting (James Hay Theatre)	
12:45		
13:00		
13:15		
13:30	**Biocontrol - Keynote: Adriana Najar** (Limes Room)	**Plant Pest Interactions - Keynote: Ted Turlings** (Avon Room)
13:45		
14:00	**Adams, Mrs Kempsy (S)**	Mori, Professor Naoki
14:15	**Barrett, Mr Paul (S)**	**Bolis, Mrs. Lea (S)** (ISCE award)
14:30	Ben-Zvi, Yahel	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)** (ISCE award)
15:30	Yang, Prof. Bin	**Hossain, Mr Md Sahadat (S)**
15:45	Coffee break	
16:00		
16:15	Kisese, Marrieter	**Sarode, Ms Sanjana (S)**
16:30	Silva, Dr Rehan	Borg, Dr. Alexander
16:45	Janairo, Prof. Jose Isagani	Sathyanarayana, Prof N
17:00	Owolabi, Dr Isiaka	Yoshinaga, Dr. Naoko
17:15	Sarkar, Dr Shovon Chandra	Liu, Professor Yang
17:30	Poster session with drinks and nibbles **Odd Numbers** (Main Foyer)	
17:45		
18:00		
18:15	Poster session with drinks and nibbles **Even Numbers** (Main Foyer)	
18:30		
18:45		

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 (S)** (James Hay Theatre)	**Blood Sucking Insects - Keynote: Wei Xu** (Limes Room)	**Antropocence - Keynotes: Magali Proffit and Adriana Najar** (Avon Room)
11:15			
11:30	Claereboudt, Dr Emily	Carrasco, Dr David	Roberts, Jeremy
11:45	**Gimenez, Mr Lucas (S)** (APACE)	Chen, Ingrid	Nair, Mr. Abhishek
12:00	**Hironaka, Ryo (S)**	Mafra-neto, Dr. Agenor	Rajpurohit, Dr. Subhash
12:15	Lang, Dr Tomas	Zhu, Dr. Junwei	**Kerstetter, Jae (S)** (ISCE award)
12:30	Zafar, Mr Md Abu		
12:45	Lunch Break (Lunch to go)		
13:00			
13:15			
13:30	Free afternoon		
13:45			
14:00			
14:15			
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17:00			
17:15			
17:30			
17:45			

Day 4 – Order of presentations by session

9:00 9:15 9:30	Plenary V ISCE Silverstein Simeone Award **Caroline Müller** - Introduced by Michael Rostás (James Hay Theatre)		
9:45 10:00	Coffee break		
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	He, Honglei	Fennine, Chaymae	Kariyat, Rupesh
11:00	**Kaneko, Mr. Takuto (S)**	Unelius, Professor C. Rikard	Lou, Professor, Dr. Yonggen
11:15	Ma, Dr. Baiwei	**Akter, Most Mottakina (S)** (ISCE)	Mutyambai, Dr. Daniel
11:30	Mitchell, Dr. Robert	Taylor, Prof. Phil	**Oh, Ji Hye (S)**
11:45	**Pal, Dr Elisa (S)** (ISCE award)	Raguso, Dr. Robert	Peftuloglu, Msc Dimitri
12:00	Szyszka, Paul	Mozūraitis, Dr Raimondas	**Sanches, MSc Mateus Souza (S)** (ISCE)
12:15	**Downie, Mr Iwan (S)**	Hee, Alvin Kah Wei	
12:30 12:45 13:00 13:15	Lunch Break and APACE Business meeting (James Hay Theatre)		
13:30 13:45 14:00	Plenary VI ISCE Applied Chemical Ecology Award **Jürgen Gross** - Introduced by Claudia Lange (James Hay Theatre)		
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	Lignon, Aiko		
15:00	Alizadeh, Dr Hossein	Akallasandra Yoganadamurthy, Mr Hemanth	
15:15	Rostás, Dr. Michael	Bohman, Björn	
15:30 15:45	Coffee break		
16:00	Mendoza-Mendoza, Artemio	**Kulkarni, Manasa (S)** (APACE, ISCE)	
16:15	**Sanches, Dr. Patricia (S)** (APACE)	**Nguyen, Linh M. N. (S)** (ISCE)	
16:30	**Kasige, Ramalka (S)**	**Rosales-Garcia, Rogelio**	
16:45	Wang, Professor Guirong	Schaeffer, Robert	
17:00	**Martin, Valerie (S)**	**Van Kints, Mr Seeger**	
17:15	**Humbert, Lisa (S)**	**Wawrzyczek, Dr Stanislaw (S)** (ISCE)	
17:30	**Takatani, Yu (S)**	Wee, Dr Suk-Ling	
17:45 18:00 18:15	**Break**		

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: Loyd 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	Sasidharan, Dr. Rohit
12:00	Sytnyk, Dr. Svitlana	Wang, Prof Bing
12:15		**Gouzerh, Post Doctorante Flora (S)** (ISCE award)
12:30	Lunch Break	
12:45		
13:00		
13:15		
13:30	Plenary VIII Scientific Committee Invited Speaker **Max Suckling** - Introduced by Lloyd Stringer (James Hay Theatre)	
13:45		
14:00		
14:15	**15-minute break to switch rooms**	
14:30	**Pheromones – Keynote: Kathy Darragh** (Limes Room)	**Biosecurity & Conservation – Keynote: Kye Chung Park** (Avon Room)
14:45		
15:00	**Rebholz, Dr. Zarley (S)** (ISCE award)	**Kamanga, Blair Moses (S)** (APACE, ISCE award)
15:15	**Sato, Kent (S)**	**Tavera, Mary Angelique (S)** (ISCE award)
15:30	Coffee break	
15:45		
16:00	Ding, Dr. Baojian	Paudel, Sulav
16:15	Cunningham, Assoc. Prof John Paul	Fraser, Dr Michael
16:30	Cloonan, Dr. Kevin	Wen, Dr Ping
16:45	Park, Dr Soo Jean	Mitaka, Dr. Yuki
17:00	Blassioli Moraes, Maria Carolina	Edwards, Eric
17:15		Rostás, Dr. Michael
17:30	**Break**	
17:45		
18:00	**Closing ceremony -** Final remarks and student awards	
18:15		
18:30		

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	

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	Olfactory-driven Predatory Strategies Propel Spodoptera frugiperda's Triumph in Ecological Niche Competition Among Indigenous Pests	Yang, Prof. Bin	Chemical Ecology and Biocontrol	
17	Volatile-mediated multitrophic interactions of tomato leaf miner Phthorimaea absoluta, its parasitoid Dolichogenidea gelechiidivoris and potential repellent plants	Kisese, Marrieter	Chemical Ecology and Biocontrol	
18	Attraction of predatory spotted ladybird to odours associated with fall armyworm larvae and induced sweet corn seedlings	Silva, Dr Rehan	Chemical Ecology and Biocontrol	
19	Identification and evaluation of semiochemicals for the control of the cacao mirid bug Helopeltis bakeri Poppius	Janairo, Prof. Jose Isagani	Chemical Ecology and Biocontrol	
20	Plant Defense Mechanisms in Watermelon: Volatile-Mediated Resistance against Whitiflies	Owolabi, Dr Isiaka	Chemical Ecology and Biocontrol	
21	Attractant strategies for beneficial in canola: implementation in pest management	Sarkar, Dr Shovon Chandra	Chemical Ecology and Biocontrol	
22	**Exploiting herbivore-induced plant volatiles for crop protection**	**Turlings, Prof. Ted**	**Chemical Signals that Mediate Plant-Pest Interactions**	**Keynote**
23	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	
24	**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**

25	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	
26	The Mechanism of BPH17-Mediated Resistance to Brown Planthopper in Rice	Chuang, Wen-Po	Chemical Signals that Mediate Plant-Pest Interactions	
27	Virulence characteristics of Nilaparvata lugens (Stal) reared on resistant rice variety YHY15	Liu, Dr Qingsong	Chemical Signals that Mediate Plant-Pest Interactions	
28	**Semiochemical – based alternative concepts for the management of wireworms**	**Mohan-Kumar, Miss Anusha***	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
29	**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**
30	**Aphid-Mediated Virus Infection Alters Volatile Organic Compound Emissions in the Pepper Plant**	**Sarode, Ms Sanjana***	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
31	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	
32	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	
33	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	
34	Carbon dioxide drives oviposition in Helicoverpa armigera	Liu, Professor Yang	Chemical Signals that Mediate Plant-Pest Interactions	
35	**New GPCR family responding to volatile pheromones in the marine worm Platynereis dumerilii**	**Moris, Dr. Victoria C.***	**Aquatic Chemical Ecology**	**Keynote Student**
36	Conspecific Chemical Cues in Ciona intestinalis: Linking Larval Behaviour, Brain Activity, and Cue Composition	Claereboudt, Dr Emily	Aquatic Chemical Ecology	

37	Jellyfish polyps make great neighbours: Larval response to conspecific chemical cues in habitat selection	Gimenez, Mr Lucas	Aquatic Chemical Ecology	
38	**A Non-Proteinogenic Amino Acid from Rice Inhibits Growth of Duckweed**	**Hironaka, Ryo***	**Aquatic Chemical Ecology**	**Student**
39	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	
40	Semiochemical biomarkers for the identification of sex and reproductive status in Sydney Rock Oyster	Zafar, Mr Md Abu	Aquatic Chemical Ecology	
41	**Understanding mosquito smell system: a new frontier in mosquito control**	**Xu, Dr Wei**	**Blood Sucking Insects and Practical Applications**	**Keynote**
42	Pyrethroids sensory detection in the malaria vector Anopheles gambiae	Carrasco, Dr David	Blood Sucking Insects and Practical Applications	
43	Development of second generation passive emanators to reduce mosquito biting behavior	Chen, Ingrid	Blood Sucking Insects and Practical Applications	
44	Effective Semiochemical Strategies for Vector Management	Mafra-neto, Dr. Agenor	Blood Sucking Insects and Practical Applications	
45	Recent advancements of semiochemical based blood-sucking pest management	Zhu, Dr. Junwei	Blood Sucking Insects and Practical Applications	
46	**Chemical ecology in the Anthropocene**	**Najar Rodriguez, Dr Adriana Jeanette and Proffit, Magali**	**Chemical Ecology in the Anthropocene**	**Keynote**
47	Effects of drought and flooding on a tri-trophic system, involving aphids and their natural enemies	Roberts, Jeremy	Chemical Ecology in the Anthropocene	
48	High altitude favours long-chained cuticular hydrocarbons in Drosophila	Nair, Mr. Abhishek	Chemical Ecology in the Anthropocene	
49	Cuticular hydrocarbon dynamics during desiccation progression in Insects	Rajpurohit, Dr. Subhash	Chemical Ecology in the Anthropocene	
50	Domestication of blueberries drives performance of an herbivore through changes in constitutive defenses	Kerstetter, Jae	Chemical Ecology in the Anthropocene	

51	An iOR-based Biosensor for the detection of Fall Army Worm (Spodoptera frugiperda)	Carraher, Dr Colm	Chemical Senses	**No keynote**
52	Lung cancer detection with dogs: Method development and accuracy estimation	Edwards, Dr Timothy	Chemical Senses	
53	Three odorant-binding proteins (OBPs) involved in the perception of kairomone 3-carene in Dendroctonus valens	He, Honglei	Chemical Senses	
54	**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**
55	Piezo mediates oviposition in shielding gaps to protect moth eggs from parasitoid wasp	Ma, Dr. Baiwei	Chemical Senses	
56	Novel lineages of hexapod chemoreceptors establish an origin for insect gustatory and odorant receptors	Mitchell, Dr. Robert	Chemical Senses	
57	Chemical ecology of honey bee responses to brood injuries	Pal, Dr Elisa	Chemical Senses	
58	The speed of smell: Temporal resolution and odour source segregation in insects	Szyszka, Paul	Chemical Senses	
59	**Dogs can perform an odour discrimination task using fine scale differences in odour arrival timing**	**Downie, Mr Iwan***	**Chemical Senses**	**Student**
60	**From Olfactome to Attractome: cross-species conservation of peripheral olfactory tuning predicts behavioural sensitivity in Bactrocera dorsalis**	**Jacob, Vincent**	**Fruit Fly Chemical Ecology**	**Keynote**
61	Divergent evolutionary pressures shape olfactory sensitivity of the maxillary palps in Tephritidae fruit flies	Fennine, Chaymae	Fruit Fly Chemical Ecology	
62	Improved Queensland fruitfly lures – Longevity versus high efficiency	Unelius, Professor C. Rikard	Fruit Fly Chemical Ecology	
63	**Effects of Zingerone ingestion on the sexual maturation and cuticular profile of male Bactrocera jarvisi flies**	**Akter, Most Mottakina***	**Fruit Fly Chemical Ecology**	**Student**

64	Domestication increases sex pheromone emission and calling effort of Queensland fruit fly males	Taylor, Prof. Phil	Fruit Fly Chemical Ecology	
65	Natural fruit and microbial cues improve selective trapping of Drosophila suzukii	Raguso, Dr. Robert	Fruit Fly Chemical Ecology	
66	Behaviour-Modifying Volatiles for Pest Control of the European Cherry Fruit Fly, Rhagoletis cerasi (Diptera: Tephritidae)	Mozūraitis, Dr Raimondas	Fruit Fly Chemical Ecology	
67	Attractancy of beta-caryophyllene to male Oriental fruit fly	Hee, Alvin Kah Wei	Fruit Fly Chemical Ecology	
68	**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**
69	Plant Phenology Drives Foliar Volatiles Emission With Consequences For Arthropod Community Dynamics in Row Crops	Kariyat, Rupesh	Chemical and Molecular Ecology of Multitrophic Interactions	
70	Chemical and molecular mechanisms underlying the ovicidal defense of rice against phloem-feeding insects	Lou, Professor, Dr. Yonggen	Chemical and Molecular Ecology of Multitrophic Interactions	
71	Tritrophic interactions in diversified agroecological cropping systems for sustainable healthy vegetable production	Mutyambai, Dr. Daniel	Chemical and Molecular Ecology of Multitrophic Interactions	
72	**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**
73	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	
74	**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**

75	Harnessing Chemical Signalling in Plant–Microbe–Insect Interactions for Improved Biological Control	Sobhy, Dr Islam	Microbe-Plant-Insect Interactions	**No keynote**
76	Influence of Pollinator-Associated Exterior Surface Bacterial Communities on Blueberry Floral Volatile Organic Compounds	Lignon, Aiko	Microbe-Plant-Insect Interactions	
77	Exploring the combined use of biocontrol agents Trichoderma atroviride and Engytatus nicotianae against the tomato psyllid (Bactericera cockerelli)	Alizadeh, Dr Hossein	Microbe-Plant-Insect Interactions	
78	Sesquiterpene Biosynthetic Gene vir4 from Trichoderma virens Enhances Direct Herbivore Resistance while Maintaining Indirect Defense	Rostás, Dr. Michael	Microbe-Plant-Insect Interactions	
79	TRSYMB1 is a novel transcription factor which regulates secondary metabolism and symbiosis in Trichoderma	Mendoza-Mendoza, Artemio	Microbe-Plant-Insect Interactions	
80	Rhizobia alter virus–vector–host interactions via host and vector chemistry	Sanches, Dr. Patricia	Microbe-Plant-Insect Interactions	
81	**Deciphering the role of silicon and arbuscular mycorrhizal symbiosis in plant defense against herbivory: a benzoxazinoid perspective**	**Kasige, Ramalka***	**Microbe-Plant-Insect Interactions**	**Student**
82	Yeast-derived volatiles orchestrate an insect-yeast mutualism with oriental armyworm moths	Wang, Professor Guirong	Microbe-Plant-Insect Interactions	
83	**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**
84	**Sex as a Weapon: Using Fungal Sex Hormones as Novel Crop Protection**	**Humbert, Lisa***	**Microbe-Plant-Insect Interactions**	**Student**
85	**Identification of (7R)-Actinidine from Coastal Rove Beetles and Its Role in Chemical Defense**	**Takatani, Yu***	**Microbe-Plant-Insect Interactions**	**Student**
86	**Whispering sweet (N)othings: are floral aldoximes index signals for nectar amino acids?**	**Raguso, Dr. Robert**	**Chemical Ecology of Pollination and Seed Dispersal**	**Keynote**

87	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	
88	Pollination of Cryptosylis ovata by sexual deception via a proposed pro-pheromone mimicry mechanism	Bohman, Björn	Chemical Ecology of Pollination and Seed Dispersal	
89	**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**
90	**Fruit Scent Evolution in Plant-Seed Disperser Interactions**	**Nguyen, Linh M. N.***	**Chemical Ecology of Pollination and Seed Dispersal**	**Student**
91	**Floral compound attractants for buzz-pollination by Amegilla anthophorine bees**	**Rosales-Garcia, Rogelio***	**Chemical Ecology of Pollination and Seed Dispersal**	**Student**
92	Yeast fermentative volatiles promote illicit foraging behavior in bumble bees	Schaeffer, Robert	Chemical Ecology of Pollination and Seed Dispersal	
93	**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**
94	Floral scent chemistry and pollination ecology of Banksia (Proteaceae)	**Wawrzyczek, Dr Stanislaw***	Chemical Ecology of Pollination and Seed Dispersal	**Student**
95	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	
96	Comparison of methods for assessing the active space of spruce budworm and spongy moth pheromone-baited traps	Alison, Jeremy	Chemical Ecology of Forest Ecosystems	**No keynote**
97	**Are yeasts helping a tree-killer thrive?**	**Baños Quintana, Ms. Ana Patricia***	**Chemical Ecology of Forest Ecosystems**	**Student**
98	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	
99	Bioactivity of Trichoderma Secondary Metabolites Against Forest Tree Pathogens in New Zealand	Mendoza-Mendoza, Artemio	Chemical Ecology of Forest Ecosystems	

100	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	
101	Herbivore induced plant-plant signaling via mycorrhizal fungi in Scots pine seedlings	Rasheed, Dr Muhammad Usman	Chemical Ecology of Forest Ecosystems	
102	We can't know what we can't catch: considering trap treatments post-PFAS	Ray, Ann	Chemical Ecology of Forest Ecosystems	
103	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	
104	Semiochemistry+: Opportunities for cross discipline collaboration for primary production industries	Stringer, Lloyd	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	**No keynote**
105	**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**
106	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	
107	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	
108	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	
109	Plant chemical variation across scales: from individualisation to community structure	Sasidharan, Dr. Rohit	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	
110	Hot Breath, Quick Exit: Aphids Flee Mammalian Heat via TRPA1	Wang, Prof Bing	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	
111	**A New Approach for Detection of Tasmanian Devil Facial Tumor Disease: VOC Analysis and Canine Scent Detection**	**Gouzerh, Post Doc Flora***	**New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships**	**Student**

112	**Specificity in the evolution of butterfly pheromones and defense compounds.**	**Darragh, Kathy**	**Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications**	**Keynote**
113	Ancient and repeated evolutionary origins of terpene synthesis for defense and communication in butterflies	Rebholz, Dr. Zarley	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
114	**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**
115	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	
116	Developing and commercialising a new lure for monitoring and mass trapping Carpophilus nvestiga, a major pest of almonds.	Cunningham, Assoc. Prof John Paul	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
117	Identification of the male hibiscus bud weevil, Anthonomus testaceosquamosus, aggregation pheromone	Cloonan, Dr. Kevin	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
118	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	
119	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	
120	**The Critical Need for New Insect Attractants to Enhance Biosecurity Measures in Antarctica**	**Park, Kye Chung**	**Biosecurity and Conservation**	**Keynote**
121	**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**
122	**Understanding Nest Marking Scents in New Zealand Native Bees: Insights into Nest Recognition**	**Tavera, Mary Angelique***	**Biosecurity and Conservation**	**Student**
123	Use of pheromones for surveillance and monitoring of invasive coconut rhinoceros beetle	Paudel, Sulav	Biosecurity and Conservation	

124	Optimizing release devices for non-specific monitoring of invasive and destructive beetles	Fraser, Dr Michael	Biosecurity and Conservation	
125	Marking pheromone system of a top wasp predator the Asian giant hornet Vespa mandarinia and other Vespa species	Wen, Dr Ping	Biosecurity and Conservation	
126	Food-derived odors modulate chemical communication in the termite Reticulitermes flavipes	Mitaka, Dr. Yuki	Biosecurity and Conservation	
127	The potential of synthetic sex pheromone among other technologies to suppress Vespula species wasps	Edwards, Eric	Biosecurity and Conservation	
128	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	Revisiting the chemical composition and behavioural function of metathoracic gland compounds in Diceraeus melacanthus (Hemiptera: Pentatomidae).	Costa Machado, João Victor	Advances in Pheromone Research: From Identification and Synthesis to biosynthesis and practical applications	
4	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	
5	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	
6	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**
8	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	
9	Pheromone candidates of the endangered Katipō spider (Latrodectus katipo)	Twidle, Andrew	Biosecurity and Conservation	
10	Regional variation in the efficacy of FAW pheromone-based lures in Australia	Mendez Alvarez, Vivian	Biosecurity and Conservation	
11	**Identification of Pheromone Binding Protein Genes in Dioryctria abietella (Denis & Schiffermüller) (Lepidoptera: Pyralidae)**	**Han, Ji Hwan***	**Chemical and Molecular Ecology of Multitrophic Interactions**	**Student**
12	Comparative Transcriptomic Analysis of Chemosensory Recognition in Frankliniella occidentalis and Thrips palmi Karny	Park, Kun Hyang	Chemical and Molecular Ecology of Multitrophic Interactions	

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

25	Entomopathogenic nematode responses to host-derived volatiles: behavioral and emission patterns of 1-nonene	Čepulytė, Dr. Rasa	Chemical Senses	
26	Sugar response and gustatory gene expression stingless bees	Balbuena, Dr Maria Sol	Chemical Senses	
27	Screening, Identification, and Functional Study of Olfactory-Related Genes in the Teak Defoliator Moth, Hyblaea puera	Dong, Qi	Chemical Senses	
28	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	
29	**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**
30	Herbivore-induced plant volatile (Z)-3-hexenyl acetate impairs larval performance and adult fecundity of cotton bollworm	Zeng, Senior Experimentalist Baojuan	Chemical Signals that Mediate Plant-Pest Interactions	**Two submissions**
31	**Cryptostylines: Natural plant alkaloids involved in herbivory defence in Australian Cryptostylis?**	**ter Horst, Saskia***	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**
32	**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**
33	Plant volatile-mediated synergism: (Z)-3-hexenyl acetate boosts insecticide activity against Helicoverpa armigera by impairing detoxification and metabolic balance	Zeng, Senior Experimentalist Baojuan	Chemical Signals that Mediate Plant-Pest Interactions	**Two submissions**
34	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	
35	Mapping sagebrush chemotypes along an elevational gradient	Rasheed, Dr Muhammad Usman	Chemical Signals that Mediate Plant-Pest Interactions	
36	**Underground influences: Cover crop legacies modulate corn defense and herbivore success**	**Poudel, Ms, Anju***	**Chemical Signals that Mediate Plant-Pest Interactions**	**Student**

37	Repellent activity of α-copaene and copaiba oil against the Asian Citrus Psyllid	Agostini, Dr. Thiago Trevisoli	Chemical Signals that Mediate Plant-Pest Interactions	
38	Transcriptional regulation of γ-octalactone induced expression of odorant binding protein 83g-2 in Bactrocera dorsalis (Hendel)	Jiang, Professor Hongbo	Fruit Fly Chemical Ecology	
39	Identification and Functional Characterisation of Bactrocera tryoni Odorant Receptors	Penrose, Mr. W. Stephen	Fruit Fly Chemical Ecology	
40	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**
41	Behavioural and peripheral olfactory responses to male attractants across Tephritidae (Diptera): a comparative study	Jacob, Vincent	Fruit Fly Chemical Ecology	
42	Olfactory Adaptations Underlying Ecological Divergence in Drosophila melanogaster and Drosophila suzukii	Kim, Hyemin	Fruit Fly Chemical Ecology	
43	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**
44	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**
45	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	
46	Spatial metabolomics reveals the chemical defense strategy of Pyrocoelia firefly	Zhu, Dr. Chengqi	New Frontiers in Chemical Ecology and Potential for Interdisciplinary Partnerships	
47	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	