

PRoTECT Retreat 2019

<u>Date</u>	Aug 27- Aug30, Drive from Vancouver on Aug.27 morning and back on Aug.30
<u>Venue</u>	Summerland Research and Development Centre, Agriculture and Agri Food Canada, Summerland, BC
<u>Accommodation</u>	Penticton Lakeside Resort and Conference Center
<u>Talks</u>	27 trainee talks and 3 PI invited lectures
<u>Committee meetings</u>	18 thesis committee meetings

Tues. Aug-27-2019

8:00 Assembly in MSL, Departure from Vancouver to Penticton
 16:00 Check-in at Penticton Lakeside Resort and Conference Center
 late pm and evening, on your own; we'll provide some addresses of restaurants

Wed, Aug-28-2019

8:00 Departure to Summerland Research and Development Centre
 8:15-9:00 Breakfast at the SuRDC

Session 1	Chair: Sean McCotter	Name	Surname	Project title	1st supervisor	2nd and 3rd TAC member
	9:00	Opening remarks and welcome	Guus Bakkeren / David Theilmann	(acting science director)		
	9:15	Lecture	Deborah Henderson	Institute overview-soil health-IPM		
	10:00	Steven	Dreischhoff	Mycorrhizal-induced systemic resistance	Andrea Polle	2. Volker Lipka, 3. Guus Bakkeren
	10:15	Ishani Shankar	Das	Mycorrhizal-induced systemic resistance	Andrea Polle,	2. Ivo Feußner, 3. Shawn Mansfield
	10:30	Isha	Goyal	Unravelling SA-independent processes during systemic acquired resistance (SAR)	Christiane Gatz	2. Marcel Wiermer, 3. Yuelin Zhang
	10:45	Patricia	Scholz	Protein turnover on lipid droplets during plant defense	Till Ischebeck	2. Marcel Wiermer, 3. George Haughn
	11:00	Health break				
	11:15	Lewis	Kurschner	Investigating the early land plant cuticular waxes using Physcomitrella patens as a model	Ljerka Kunst	Ivo Feußner
	11:30	Kevin	Ao	CDC48A protein level is regulated by SCFSNIPER7	Xin Li	Marcel Wiermer, Cara Haney, Ljerka Kunst
	11:45	Daniel	Lüdke	Functional analysis of the genomically linked Resistance-like proteins TN13/AT3G04210 and TNL/AT3G04220 in plan	Marcel Wiermer	2. Volker Lipka, 3. Xin Li
	12:00	Qiqi	Yan	Functional analysis of paired NLR immune receptors in plant immunity	Marcel Wiermer	2. Volker Lipka, 3. Xin Li
	12:15-13:00	Lunch at the SuRDC				
	13:00-14:00	Thesis committee meetings				
	13:00 - 13:30	Tables with themes and a PI/AAFC researcher: 2 tables on Career paths outside academia (Kirsten Hannam; Deborah Henderson); Balancing a career in science and family life / women in science (Cara Haney); How peer review works (Helene Sanfacon)				
	13:30 - 14:00	people not in meetings: field tour on vineyard management/health monitoring / imaging using drones (Dr. Pat Bowen, Mr. Brad Estergaard)				
		room 3470 (3rd floor)	Isha Goyal, Christiane Gatz, Marcel Wiermer, Yuelin Zhang			
		room 4171 (4th floor)	Ishani Shankar Das, Andrea Polle, Ivo Feußner, Shawn Mansfield			
		conference room	Qiqi Yan, Marcel Wiermer, Volker Lipka, Xin Li			
		room 3470 (3rd floor)	Patricia Scholz, Till Ischebeck, Marcel Wiermer, George Haughn			
		room 4171 (4th floor)	Steven Dreischhoff, Andrea Polle, Volker Lipka, Guus Bakkeren			
		conference room	Lewis Kurschner, Ljerka Kunst, Ivo Feußner			

Session 2	Chair: Kevin Ao	Name	Surname	Project title	1st supervisor	2nd and 3rd TAC member
	14:00	Isabel	Maurus	Interplay between secondary metabolite formation, secretion of proteins and signal transduction	Gerhard Braus	2. Volker Lipka, 3. James Kronstad
	14:15	Lennart	Mohnike	Metabolic signals in systemic acquired resistance	Ivo Feußner	2. Christiane Gatz, 3. Yuelin Zhang
	14:30	Alexandra	Nagel	Rhizosphere as fungal barrier to reach plant roots	Gerhard Braus	2. Volker Lipka, 3. Cara Haney
	14:45	Alisa	Keyl	Function of cuticular waxes in plant response to wounding	Ivo Feußner	2. Andrea Polle 3. Ljerka Kunst
	15:00	Health break				
	15:15	Di	Wu	Functional analysis of an Arabidopsis metacaspase in plant immunity	Yuelin Zhang	n/a
	15:30	Tonjun	Sun	Regulation of salicylic acid and N-hydroxy-pipecolic acid biosynthesis by transcription factors SARD1 and CBP60g	Xin Li	n/a
	15:45	Karen	Thulasi Devendrakumar	Reverse genetic study of proteins involved in the regulation of immune responses	Xin Li	n/a
	16:00-17:00	Thesis committee meetings				
	16:00 - 16:30	room 3470 (3rd floor)	Kevin Ao, Xin Li, Marcel Wiermer, Cara Haney, Ljerka Kunst			
		room 4171 (4th floor)	Isabel Maurus, Gerhard Braus, Volker Lipka, James Kronstad			
		conference room	Lennart Mohnike, Ivo Feußner, Christiane Gatz, Yuelin Zhang			
	16:30 - 17:00	room 3470 (3rd floor)	Alisa Keyl, Ivo Feußner, Andrea Polle, Ljerka Kunst			
		room 4171 (4th floor)	Alexandra Nagel, Gerhard Braus, Volker Lipka, Cara Haney			
	18:00	Dinner				
		at Ishoka, Indian buffet; 101 Westminster Ave, Penticton; www.ashokaindiancuisinepenticton.ca/				

Thurs. Aug-29-2109

8:00 Departure to Summerland Research and Development Centre
 8:15-9:00 Breakfast at the SuRDC

Session 3		Chair: Karen Thulasi Devendrakumar			
	Name	Surname	Project title	1st supervisor	2nd and 3rd TAC member
9:00	Lecture	Cara Haney	The plant microbiome and the second green revolution		
9:45	Konrad	Subieta	A Verticillium effector triggering de novo xylem formation and enhanced host plant drought stress tolerance	Volker Lipka	2. Gerhard Braus, 3. Harry Brumer
10:00	Andrea	Vasquez	Cell death signaling in the Arabidopsis chitin receptor mutant cerk1-4	Volker Lipka	2. Marcel Wiermer, 3. Xin Li
10:15	Weijie	Huang	Genetic analysis of CBP60g-independent signalling pathway mediated by receptor like protein SNC2 in Arabidopsis	Yuelin Zhang	Ivo Feußner
10:30	Anja	Pelizaeus	Regulation of the plant defense responses by class I TGA transcription factors and interacting CC-type glutaredoxins	Christiane Gatz	2. Marcel Wiermer 3. Yuelin Zhang
10:45	Health break				
11:00	Linda	Horianopoulos	The roles of J domain co-chaperones in the human fungal pathogen <i>C. neoformans</i>	Jim Kronstad	n/a
11:15	Solveig	van Wersch	Examining the Roles of Diverse Transcription Factors in Arabidopsis thaliana Immune Response	Xin Li	n/a
11:30	Sherry	Sun	<i>FMO1</i> and <i>SARD4</i> orthologues in <i>Triticum aestivum</i> and their functional characterization in defense and SAR	Guus Bakkeren	Ivo Feussner, Xin Li, Yuelin Zhang, Jim Kronstad
11:45	Yang	Liu	How do beneficial microbes suppress plant immunity?	Cara Haney	Yuelin Zhang, Ljerka Kunst, Jim Kronstad, Ivo Feußner

12:00-13:00 Lunch at SUNOKA beach?

13:00-14:00 Thesis committee meetings

13:00 - 13:30	people not in meetings can stay at the beach (volleyball?), or go for walks room 3470 (3rd floor)	Huang Weijie, Yuelin Zhang, Ivo Feußner
13:30 - 14:00	room 4171 (4th floor) room 3470 (3rd floor) room 4171 (4th floor)	Konrad Subieta, Volker Lipka, Gerhard Braus, Harry Brumer Liu Yang, Cara Haney, Yuelin Zhang, Ljerka Kunst, Jim Kronstad, Ivo Feußner Andrea Vasquez, Volker Lipka, Marcel Wiermer, Xin Li

Session 4		Chair: Solveig Van Wersch			
	Name	Surname	Project title	1st supervisor	
14:00	Sina	Barghahn	Pathogen-induced cell wall remodeling and production of Danger Associated Molecular Patterns (DAMPs)	Volker Lipka	n/a
14:15	Sean	McCotter	The role of the glutaredoxin grx4 in the Ustilago maydis - Zea mays pathosystem	Jim Kronstad	n/a
14:30	Djihane	Damoo	Investigating putative effector proteins and the role of heme in the virulence of Ustilago maydis	Jim Kronstad	n/a
14:45	Ana	Montenegro	UhAVR1	Guus Bakkeren	Xin Li, Yuelin Zhang, Jim Kronstad
15:00	Health break				
15:15-16:15	PI meeting	main conference room	people not in meetings can leave, go for a walk or already go to the Poplar Grove Winery (425 Middle Bench Rd N, Penticton; ask for Chris Holler; www.poplargoive.ca); you pay for what you drink.		
16:15-17:15	Thesis committee meetings	people not in meetings can already go to the Poplar Grove Winery; you pay for what you drink.			
16:15 - 16:45	room 3470 (3rd floor)	Anja Pelizaeus, Christiane Gatz, Marcel Wiermer, Yuelin Zhang			
16:45 - 17:15	room 4171 (4th floor) room 3470 (3rd floor) room 4171 (4th floor)	Daniel Lüdke, Marcel Wiermer, Volker Lipka, Xin Li Sina Barghahn, Volker Lipka, Till Ischebeck, Harry Brumer Sherry Sun, Guus Bakkeren, Ivo Feussner, Xin Li, Yuelin Zhang, Jim Kronstad			
17:30-19:00	Wine tasting	Poplar Grove Winery (425 Middle Bench Rd N, Penticton; ask for Chris Holler; www.poplargoive.ca); you pay for what you drink.			
19:30	Dinner	at Theos, Greek restaurant, 687 Main street, Penticton; www.eatsquid.com			

Fri. Aug-30-2019

8:00 For those leaving today, hotel check-out
8:00 Departure to Summerland Research and Development Centre
8:15-9:00 Breakfast at the SuRDC

Session 5		Chair: Ana Montenegro		AAFC research talks
9:00-9:30	Helene Sanfacon	A tale of two proteases: Exploring the diversity and multifunctional activities of plant virus proteases		
9:30-10:00	Kirsten Hannam	Climate, crops, soil - how might climate change alter the crops we grow and the soils in which we grow them		
10:00-10:30	Krin Mann	The value of scientists in cannabis		
10:30	Health break			
11:00-11:30	all presenters & Pls	career Q&A from students		
11:30-12:00	Guus / Ivo / Xin	wrap up		

12:00-13:00 lunch

13:00 departure