



Modern breeding techniques of maize

Monday August 20th – Friday September 7th 2018

Program

Venue:

IPBO, Technologiepark 19, 9052 Gent-Zwijnaarde

With the support of

Sunday August 19th, 2018		
Arrival of the participants		

Monday August 20th, 2018 Venue: IPBO		
10:00 – 12:00	Formalities for scholarship students only	
12:00 – 13:30	Lunch	
13:30 – 14:00	Administrative opening of the training course Overview of the course objectives + Introduction to the group work that has to be prepared and presented on the last day of this course	Hilde Nelissen, Marc Heijde, Silvia Travella, Sylvie De Buck
14:00 – 17:00	Individual presentation by each of the participants (5 min/participant) What is their background, why do they follow the course; what do they expect from the course, etc...	Chair: Sylvie De Buck The participants
17:00 - ...	Official opening of the course + Reception	

Tuesday August 21st, 2018 Venue: IPBO		
09:00 – 10:30	Basic concepts and nomenclature in maize breeding (part I)	Prof. Geert Haesaert (UGent)
10:30 – 11:00	Coffee break	
11:00 – 13:00	Basic concepts and nomenclature in maize breeding (part I)	Prof. Geert Haesaert (UGent)
13:00 – 14:00	Lunch	
14:00 – 15:30	Molecular markers for breeding	Prof. Isabel Roldan-Ruiz (ILVO)
15:30 – 16:00	Coffee break	
16:00 – 17:30	Molecular markers for breeding (part II)	Prof. Isabel Roldan-Ruiz (ILVO)

Wednesday August 22nd, 2018 Venue: IPBO		
09:00 – 10:30	Molecular markers for breeding (part III)	Prof. Isabel Roldan-Ruiz (ILVO) – Dr. Annelies Haegeman (ILVO)
10:30 – 11:00	Coffee break	
11:00 – 13:00	Molecular markers for breeding (part IV)	Prof. Isabel Roldan-Ruiz (ILVO)
13:00 – 14:00	Lunch	
14:00 – 15:30	Molecular markers for breeding (part V)	Prof. Isabel Roldan-Ruiz (ILVO)
15:30 – 16:00	Coffee break	
16:00 – 17:30	Molecular markers for breeding (part VI)	Prof. Isabel Roldan-Ruiz

(ILVO)

Thursday August 23th, 2018		Venue: IPBO
09:00 – 10:30	Comparison of maize hybrids	Dr. Joke Pannecoucq (ILVO)
10:30 – 11:00	Coffee break	
11:00 – 13:00	Basic concepts in plant biotechnology	Dr. Sylvie De Buck
13:00 – 14:00	Lunch	
14:00 – 15:30	Genetic transformation of maize	Prof. Mieke Van Lijsebettens
15:30 – 16:00	Coffee break	
16:00 – 17:30	New breeding techniques	tbc

Friday August 24rd, 2018		
09:00 – 17:00	Bio-informatics or statistics	tbc

Monday August 27th, 2018		Venue: PSB (room LEAF)
09:00 – 17:00	Mais: overview of biotic and abiotic stresses and possible solutions	Prof. Kris Audenaert (UGent)
09:00 – 10:30	Fusarium	
10:30 – 11:00	Coffee break	
11:00 – 13:00	Diseases and pests	Prof. Johnnie Van den Berg (NWU, South Africa)
13:00 – 14:00	Lunch	At IPBO
14:00 – 15:30	Insects – Bt maize	Prof. Johnnie Van den Berg (NWU, South Africa)
15:30 – 16:00	Coffee break	
16:00 – 17:30	Biological products for agriculture in Africa	Dr. Sandro Frati (Bipa, Londerzeel, Belgium)

Tuesday August 28th, 2018		Venue: PSB (room LEAF)
09:00 – 17:30	Mais: overview of biotic and abiotic stresses and possible solutions	
09:00 – 10:30	Drought	Dr. Hilde Nelissen (PSB), Prof. Moritz Nowack (PSB)
10:30 – 11:00	Coffee Break	
11:00 – 13:00	Drought and Climate change	Dr. Jill Cairns (CIMMYT, Zimbabwe)
13:00 – 14:00	Lunch	
14:00 – 15:30	Striga	Prof. Steven Runo (Kenyatta University, Kenya)
15:30 – 16:00	Coffee break	At IPBO
16:00 – 17:30	Soil Fertility	Prof. Sofie Goormachtig

(PSB)

Wednesday August 29th, 2017 Excursion		
09:00 – 09:30	Introduction: GMO Field trial	Dr. Hilde Nelissen (PSB)
09:30 – 10:00	Bus trip to GMO field trial	
10:00 – 12:00	Visit GMO field trial	tbc
12:00 – 14:00	Bus trip to Gent + Lunch	
14:00 – 18:00	To be determined	

Thursday August 30th, 2018 FSVM building		
09:00 – 20:00	IPBO conference	

Friday, August 31st, 2018 FSVM building		
09:00 – 20:00	IPBO conference	

Monday September 3rd 2018 Excursion		
09:00 – 18:00	To be determined	

Tuesday September 4th 2018 Venue: PSB (room LEAF)		
09:00 – 10:30	Global regulatory developments of GMOs	Prof. Patrick Rüdelsheim (Perseus)
10:30 – 11:00	Coffee break	
11:00 – 13:00	GMOs in Africa	tba
13:00 – 14:00	Lunch	At IPBO
14:00 – 15:30	General principles and aspects of GM crop safety assessment	Prof. Patrick Rüdelsheim (Perseus)
15:30 – 16:00	Coffee break	
16:00 – 18:00	Problem formulation	Prof. Patrick Rüdelsheim (Perseus)

Wednesday September 5th 2018 Venue: PSB (room LEAF)		
09:00 – 10:30	Study design and data collection (part I)	Prof. Patrick Rüdelsheim (Perseus)
10:30 – 11:00	Coffee break	
11:00 – 13:00	Study design and data collection (part II)	Prof. Patrick Rüdelsheim (Perseus)
13:00 – 14:00	Lunch	At IPBO
14:00 – 15:30	Decision and Management (part I)	Prof. Patrick Rüdelsheim

		(Perseus)
15:30 – 16:00	Coffee break	
16:00 – 17:30	Decision and Management (part II)	Prof. Patrick Rüdelsheim (Perseus)

Thursday September 6th, 2018		Venue: PSB
09:00 – 17:00	Maize phenotyping Lecture + Practical exercises	tba

Friday September 7th, 2018		Venue: IPBO
09:00 – 10:30	Presentation of the group work (part I)	Moderators: Marc Heijde; Silvia Travella, Hilde Nelissen, Sylvie De Buck,
10:30 – 11:00	Coffee break	
11:00 – 13:00	Presentation of the group work (part II)	Moderators: Marc Heijde; Silvia Travella, Hilde Nelissen, Sylvie De Buck,
13:00 – 14:00	Lunch	
14:00 – 15:30	Evaluation of the participants	
15:30 – 16:00	Evaluation of the course by the participants	
16:00	Closing the course	