

Modern breeding techniques for potato improvement

Tuesday June 11th – Friday June 28th 2019

Program

Venue:

IPBO, Technologiepark 122, 9052 Gent-Zwijnaarde

With the support of:



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THE BELGIAN
DEVELOPMENT COOPERATION



MARG & NORA
VAN MONTAGU
FUND

Week 1:

Tuesday June 11th, 2019		Venue: AA Tower – First floor
09:00 – 10:30	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	IPBO team
10:30 – 11:00	Coffee break	
11:00 – 13:00	Course attendee presentations	
13:00 – 14:00	Lunch	
14:00 – 15:30	Basic concepts and nomenclature in potato breeding (part I)	Prof. Geert Haesaert
15:30 – 16:00	Coffee break	
16:00 – 17:30	Basic concepts and nomenclature in potato breeding (part II)	Prof. Geert Haesaert

Wednesday June 12th, 2019		Venue: AA Tower – First floor
09:00 – 10:30	Basic concepts in plant biotechnology	Prof. Godelieve Gheysen
10:30 – 11:00	Coffee break	
11:00 – 13:00	Genetic transformation of potato	Prof. Godelieve Gheysen and Dr. Marc Ghislain
13:00 – 14:00	Lunch	
14:00 – 15:30	New breeding techniques	Thomas Jacobs tbc
15:30 – 16:00	Coffee break	
16:00 – 17:30	Gene editing for potato amelioration	TBA (PSB-ILVO PhD student)

Thursday June 13th, 2019		Venue: AA Tower – First floor
09:00 – 20:00	Seed potato workshop	Solynta, WUR, Groningen, UGent

Friday June 14th, 2019		Venue: AA Tower – First floor
09:00 – 17:00	Seed potato workshop	Solynta, WUR, Groningen, UGent

Week 2:

Monday June 17 th , 2019		Venue: AA Tower – First floor
09:00 – 10:30	Molecular markers for breeding	Dr. Glenn Bryan
10:30 – 11:00	Coffee break	
11:00 – 13:00	Molecular markers for breeding	Dr. Glenn Bryan
13:00 – 14:00	Lunch	
14:00 – 15:30	Genomic selection in plant breeding	Dr. Glenn Bryan
15:30 – 16:00	Coffee break	
16:00 – 17:30	Genomic selection in plant breeding	Dr. Glenn Bryan

Tuesday June 18 th , 2019		Venue: AA Tower – First floor
09:00 – 10:30	GWAS for agronomic traits	Dr. Glenn Bryan
10:30 – 10:40	Coffee break	
10:40 – 12:00	GWAS for agronomic traits	Dr. Glenn Bryan
12:00 – 13:00	Lunch	
13:00 – 17:30	Visit potato processing company Agristo	

Wednesday June 19 th , 2019		Venue: AA Tower – First floor
09:00 – 10:30	Generating Phytophthora infestans resistant varieties for Africa (including field trial results)	Dr. Marc Ghislain
10:30 – 11:00	Coffee break	
11:00 – 12:30	viral diseases in potato	Kris De Jonghe
12:45 – 13:30	Lunch	
13:30 – 15:00	nematodes, a threat to potato production	Dr. Nicole Viaene
15:00 – 15:30	Coffee break	
15:30 – 17:00	Bacterial diseases in potato	Johan Van Vaerenbergh

Thursday June 20 th , 2019		Venue: AA Tower – First floor
09:00 – 11:00	Global regulatory developments of GMO	Dr. Patrick Rüdelsheim
11:00 – 11:30	Coffee break	
11:30 – 13:00	Regulatory and communication experiences related to GMOs in Uganda and Africa in general	Dr. Barbara Zawedde
13:00 – 14:00	Lunch	
14:00 – 15:30	General aspects of GM crop safety assessment	Dr. Patrick Rüdelsheim
15:30 – 16:00	Coffee break	
16:00 – 17:30	Problem formulation	Dr. Patrick Rüdelsheim

Friday June 21 th , 2019		Venue: AA Tower – First floor
09:00 – 13:00	Study design and data collection	Dr. Patrick Rüdelsheim
13:00 – 14:00	Lunch	
14:00 – 17:30	Decision making and management	Dr. Patrick Rüdelsheim

Week 3:

Monday June 24th , 2019		Venue: AA Tower – First floor
09:30 – 10:30	2011: potato field trial in Flanders: Overview	Dr. René Custers
10:30 – 11:00	Coffee break	
11:00 – 11:30	The Bintje plus project	Dr René Custers
12:00 – 13:30	Lunch	
13:30 - 17:00	Visit to a potato field trial and potato farmer	Geert Haesaert

Tuesday June 25th , 2019		Venue: AA Tower – First floor
09:00 – 10:30	GMO perception in Europe and worldwide	Prof. Godelieve Gheysen
10:30 – 11:00	Coffee break	
11:00 – 12:30	Experience of communicating biotechnology to different stakeholders in Africa	Barbara Zawedde
12:45 – 13:30	Lunch	
13:30– 15:00	Technology adoption: intuition and/or rationale thinking	TBA
15:00 – 15:30	Coffee break	
16:30 – 17:30	Ethical considerations coming with the use of modern biotechnology tools for variety creation	Group Prof. Johan Braeckman

Wednesday June 26th , 2019		Venue: FSVM building
09:00 – 13:00	Design and analysis of field experiments (part I) (bioinformatics)	Dr. Marnik Vuylsteke (Gnomixx)
13:00 – 14:00	Lunch	
14:00 - 17:00	Design and analysis of field experiments (part II) (bioinformatics)	Dr. Marnik Vuylsteke (Gnomixx)

Thursday June 27th , 2019		Venue: AA Tower – First floor
09:00 – 10:30	Spreading the science - how your research can have an impact on society	Dr. Ini Vanwesenbeeck
10:30 – 11:00	Coffee break	
11:00 – 12:30	How can we communicate sustainability, social issues and environmental risks? Insight in behavioural models and communication strategies to incite sustainable agriculture.	Carla Mingolla
12:45 – 13:30	Lunch	
13:30– 15:00	A hierarchy of influences approach to news selection, sourcing and framing – and the importance of good press contacts	Prof. Sarah Van Leuven
15:00– 15:30	Coffee break	

15:30– 17:00	The media discourse on new technologies / plant biotechnology	Prof. Sarah Van Leuven
19:00-22:00	dinner	

Friday June 28th , 2019		Venue: AA Tower – First floor
09:00 – 10:30	Presentation of the group work (part I)	
10:30 – 11:00	Coffee break	
11:00 – 13:00	Presentation of the group work (part II)	
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	Certificate delivery	