

UQ-UPSaclay Week

Advanced Biomanufacturing and digital biology workshop

Monday 22 November 2021

Chairs

Professor Robert Henry, Professor of Innovation in Agriculture, Centre for Crop Science, UQ

Associate Professor Dr Marwen Moussa, Senior Lecturer of Food and bio-products process engineering, AgroParisTech

5-5.03pm AEST
8-8.03am CET

Welcome

Associate Professor Dr Marwen Moussa, Senior Lecturer of Food and bio-products process engineering, AgroParisTech

8 minute presentations commence, each followed by 2min Q&A

5.03-5.13pm AEST
8.03-8.13am CET

Advanced biomanufacturing infrastructure to drive research translation

Professor Trent Munro, Professor, Australian Institute for Bioengineering and Nanotechnology, UQ

5.13-5.23pm AEST
8.13-8.23am CET

Detection of unexpected contaminants in food

Dr Mathieu Cladière, Associate Professor, Analytical chemistry for food safety, AgroParisTech

5.23-5.33pm AEST
8.23-8.33am CET

Plant-derived lactic acid bacteria in food safety, quality and novel fermentation applications

Professor Mark Turner, Deputy Head of School, School of Agriculture and Food Sciences, UQ

5.33-5.43pm AEST
8.33-8.43am CET

Understanding and prediction of pathogen behavior and persistence in food systems and biofilms

Professor Florence Dubois-Brissonnet, Professor, Microbiology and food safety at AgroParisTech
Dr Maud Darsonval, Associate Professor, Microbiology and food safety, AgroParisTech

5.43-5.53pm AEST
8.43-8.53am CET

Biogas fermentation

Professor Zhiguo Yuan AM, Director, Australian Centre for Water and Environmental Biotechnology

5.53-6.03pm AEST
8.53-9.03am CET

Integrating fermentation/bioconversion and on-line extraction processes for biobased molecules

Dr Claire Saulou-Bérion, Associate Professor, Industrial microbiology and bioprocesses, AgroParisTech
Dr Marwen Moussa, Associate Professor, Food and bio-products process engineering, AgroParisTech

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6.03-6.13pm AEST
9.03-9.13am CET

Bioproduction of value-added compounds using digital biology approaches

Dr Adrian Oehmen, Senior Lecturer, School of Chemical Engineering, Faculty of Engineering, Architecture and Information Technology, UQ

6.13-6.18pm AEST
9.13-9.18am CET

Break

6.18pm AEST
9.18am CET

Welcome back from break

Professor Robert Henry, Professor of Innovation in Agriculture, Centre for Crop Science, UQ

6.19-6.29pm AEST
9.19-9.29am CET

Bioconversion of agro-resources into value-added renewable molecules through innovative liquid, submerged and solid-state fermentations or biomethanation processes

Dr Nabila Imatoukene, Research scientist, Biotechnology, URD ABI, AgroParisTech

Dr Quentin Carboué, Research scientist, Solid-state fermentation, URD ABI, AgroParisTech

Professor Dr Michel Lopez, Head of Biotechnology Department, URD ABI, AgroParisTech

6.29-6.39pm AEST
9.29-9.39am CET

Human milk processing using pulsed electric field

Associate Professor Nidhi Bansal, Associate Professor, School of Agriculture and Food Sciences and Affiliate (ResTeach), School of Pharmacy, UQ

6.39-6.49pm AEST
9.39-9.49am CET

Process engineering and materials lab LGPM: Facilities and overview of the research activities

Professor François Puel, Director, Process Engineering and Materials Research Department (LGPM), CS

6.49-6.59pm AEST
9.49-9.59am CET

Microalgae technology: from the mechanisms to the bioprocess

Professor Filipa Lopes, CentraleSupélec, Laboratory of Chemical Engineering (LGPM)

6.59-7.09pm AEST
9.59-10.09am CET

Centre for solar bio-technology: developing next generation light driven cell factories

Professor Ben Hankamer, Director, Centre for Solar Biotechnology

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7.09-7.19pm AEST
10.09-10.19am CET

The concept of digital twins applied to bioproduction and biobased materials

Professor Patrick Perré, Head of BioTech Chair, Process Engineering and Materials Research Department (LGPM), CS

7.19-7.29pm AEST
10.19-10.29am CET

An Industrial Transformation Training Centre in Bioplastics and Biocomposites

Associate Professor Steven Pratt, Associate Professor, School of Chemical Engineering, UQ

7.29-7.39pm AEST
10.29-10.39am CET

Genome sequencing to capture novel genetic resources for the diversification of crops to deliver improved food products

Professor Robert Henry, Professor of Innovation in Agriculture, Centre for Crop Science, UQ

7.39-7.59pm AEST
10.39-10.59am CET

Discussion

7.59-8pm AEST
10.59-11am CET

Closing remarks and event end

Professor Robert Henry, Professor of Innovation in Agriculture, Centre for Crop Science, UQ