

3rd Forum of the International Industrial Biotechnology Network (IIBN)

Biotechnology: from Innovation to Industrial Production

Wednesday 10th May 2017

Venue: VIB – UGent Center for Plant Systems Biology - Technologiepark 927 - 9052 Zwijnaarde-Ghent



In many parts of the world a knowledge-based bio-economy is emerging that uses eco-efficient bio-processes and renewable biological resources to create new value chains. These innovations are enabled by unprecedented advances in biotechnology offering new technological solutions for sustainable agricultural development and the production of food, feed, fiber, energy, and improved health care from renewable biomass or underutilized biological resources.

The 3rd IIBN Forum will bring together experts in the area of biotechnology who will address the industrial chain from innovation to the market side. Examples that are or are nearly on the market will be presented in order to clarify the timeline, costs and technical process to bring a product on the market. The focus is to promote value creation beyond food production to support sustainable development in Africa and other developing countries.

PROGRAM

9h30 Registration and welcome coffee

10h00 **Morning Session**

Chair: **Marc Heijde** - VIB International Plant Biotechnology Outreach, BE

10h10 **Perspective UN Industrial Development Organization**

Yvonne Lokko - United Nations Industrial Development Organization, AT

10h30 **Can genetically modified crops contribute to food security and sustainable agricultural development? Evidence from 20 years of impact research**

Matin Qaim - Department of Agricultural Economics and Rural Development, University of Göttingen, DE

11h15 **Coffee break**

11h30 **Glycosylation as a major deciding factor in biopharmaceutical expression system choice**

Nico Callewaert - VIB UGent Center for Medical Biotechnology, BE

12h00 **Plant-made pharmaceuticals and bio materials: novel industrial processes and products relevant to developing countries**

Yuri Gleba - Icon Genetics, DE

12h30 **Oxitec- from a laboratory to a factory**

Amandine Collado - Oxytec, UK

13h00 **Lunch**

14h00 **Afternoon session**

Chair: **Silvia Travella** - VIB International Plant Biotechnology Outreach, BE

14h00 **The innovative biobased economy in Europe: value, partnerships & investments**

Dirk Carrez - Bio-based Industry Consortium, BE

14h45 **GFBiochemicals - the engine to valorize Levulinic acid and derivatives for our society today and tomorrow**

Rudy Parton - GFBiochemicals, IT

15h15 **Coffee break**

15h30 **Synthesis of specialty carbohydrates using industrial biotechnology**

Wim Soetaert - Inbiose, BE

16h00 **The role of GlobalYeast in the world-wide transition to a sustainable bio-based economy**

Johan Thevelein - GlobalYeast, BE

16h30 **Closing remarks**

Marc Van Montagu - VIB International Plant Biotechnology Outreach, BE

16h45 **Cocktail reception**



The **International Plant Biotechnology Outreach (IPBO)**, which forms part of the VIB, was set up in 2000 by Prof. Em. Marc Van Montagu and Ghent University, with initial support from the Flemish Government and the Seghal Foundation. The IPBO's mission is to promote knowledge and technology transfer in the area of plant biotechnology to developing countries, with a focus on green and sustainable agriculture and agro-industry. To accomplish this mission, the IPBO focuses on communication, training in plant breeding, green biotechnology and related biosafety, and fosters networking and project development to implement cooperation between developing countries (mainly Africa) and Flanders. More information: www.ipbo.vib-ugent.be



The **International Industrial Biotechnology Network (IIBN)** is an international stakeholder network with four Founding Members from Africa, South America, China and Belgium and two Patron Agencies, the UN Industrial Development Organization (UNIDO) and Flanders Government. IIBN fosters sustainable applications of biotechnology for innovative farming and inclusive industrial development with a focus on low and middle income countries. By catalyzing synergies and partnerships, IIBN augments international cooperation opportunities, leverages resources, and attracts investments in R&D and capacity building. IPBO serves as a first point of contact for enquiries about expertise available in the IIBN network and opportunities for capacity building and project development. More information: www.iibn.eu



Ghent University. After more than twenty years of uninterrupted growth, Ghent University is now one of the most important institutions of higher education and research in the Low Countries. Ghent University yearly attracts over 41,000 students, with a foreign student population of over 2,200 EU and non-EU citizens. Ghent University offers a broad range of study programs in all academic and scientific fields. With a view to cooperation in research and community service, numerous research groups, centers and institutes have been founded over the years. More information: www.UGent.be.



The **United Nations Industrial Development Organization (UNIDO)** aims to eradicate poverty through inclusive and sustainable industrial development (ISID). UNIDO advocates that ISID is the key driver for the successful integration of the economic, social and environmental dimensions, required to fully realize sustainable development for the benefit of our future generations. More information: www.unido.org



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