

CARBOSURF @



2017 AOCs Annual Meeting and Industry Showcases

April 30–May 3 | Rosen Shingle Creek | Orlando, Florida, USA

Wednesday Morning, May 3rd, 2017, several CARBOSURF partners presented their work and results during the Biotechnology session BIO 4.1/S&D 4.1:

Tailoring of Mannosylerythritol Lipids by Pseudozyma Species Using Different Renewable Feedstocks. [Susanne Zibek](#), [Fraunhofer IGB](#) Institute for Interfacial Engineering and Biotechnology, Germany

Integrated Bioprocess Design for the Production of Tailor-made Glycolipids Using *Starmerella bombicola*: Promising Results from Application Testing. [Lisa Van Renterghem](#)¹, Sophie L.K.W. Roelants¹, Niki Baccile², Karel De Schampheleere³, Quinten Christiaens⁴, Stijn Verweire⁴, and Wim Soetaert⁴, [1Ghent University](#), Belgium; ²Chimie de la Matière Condensée de Paris, Université Pierre et Marie Curie, France; ³Environmental Toxicology Unit, Ghent University, Belgium; ⁴Centre for Industrial Biotechnology and Biocatalysis (InBio.be), Ghent University, Belgium Microbial

Biosurfactants, from Lab to Market: Hurdles and How to Take Them. [Sophie L.K.W. Roelants](#)¹, Bernd Everaert¹, Emile Redant¹, Brecht Vanlerberghe¹, and Wim Soetaert², [1Bio Base Europe Pilot Plant, Belgium](#); ²Centre for Industrial Biotechnology and Biocatalysis (InBio.be), Ghent University, Belgium



Lisa Van Renterghem (Ghent University) receiving the EUROPEAN SECTION TRAVEL GRANT



Dr. Sophie Roelants (Bio Base Europe Pilot Plant) giving her talk

Picture of the program:

As of: March 17, 2017

BIO 4.1 / S&D 4.1: Biosurfactants, Bio-derived Surfactants, and Biodetergents

Chairs: Heather Byrne, Huntsman Performance Products, USA; Douglas Hayes, University of Tennessee, USA; and Daniel Solaiman, USDA, ARS, ERRC, USA

Tailoring of Mannosylerythritol Lipids by Pseudozyma Species Using Different Renewable Feedstocks. Susanne Zibek, Fraunhofer IGB Institute for Interfacial Engineering and Biotechnology, Germany

Integrated Bioprocess Design for the Production of Tailor-made Glycolipids Using *Starmerella bombicola*: Promising Results from Application Testing. Lisa Van Renterghem¹, Sophie L.K.W. Roelants¹, Niki Baccile², Karel De Schampelaere³, Quinten Christiaens⁴, Stijn Verweire⁴, and Wim Soetaert⁴, ¹Ghent University, Belgium; ²Chimie de la Matière Condensée de Paris, Université Pierre et Marie Curie, France; ³Environmental Toxicology Unit, Ghent University, Belgium; ⁴Centre for Industrial Biotechnology and Biocatalysis (InBio.be), Ghent University, Belgium

Microbial Biosurfactants, from Lab to Market: Hurdles and How to Take Them. Sophie L.K.W. Roelants¹, Bernd Everaert¹, Emile Redant¹, Brecht Vanlerberghe¹, and Wim Soetaert², ¹Bio Base Europe Pilot Plant, Belgium; ²Centre for Industrial Biotechnology and Biocatalysis (InBio.be), Ghent University, Belgium

Sophorolipids in Hard Surface Cleaning Applications. Zheng Xue, Dennis Parrish, Jeff Davidson, Samuel Christy, Andras Nagy, Miyako Hisamoto, and Terrence Everson, Evonik Corporation, USA

Sophorolipid Biosurfactant Against Bacteria Relevant to Tooth Caries and Skin Hygiene. Daniel K.Y. Solaiman¹, Richard D. Ashby¹, Joseph Uknalis², Aixing Fan³, and Laurence Du-Thumm³, ¹USDA, ARS, ERRC, USA; ²USDA, ARS, ERRCA, USA; ³Colgate Palmolive Co., USA

A Journey to Standardization of Bio-based Surfactants in Europe. Juergen G. Tropsch¹, Christophe Sené², Thierry Beaudouin², Stephen Mudge³, and Horacio Hormazabal⁴, ¹BASF SE, Germany; ²Stepan, France; ³BSI, UK; ⁴AFNOR, France

Oil Seed-extracted Oleosome Emulsifiers for Sun Protection Products. Soo In Yang¹, Shuanghui Liu¹, Geoffrey Brooks¹, Yves Lanctot¹, and James V. Gruber², ¹Botaneco Inc., Canada; ²Botaneco Inc., USA

The Antibacterial Property of Fatty Acyl Glutamic Acid and Proposed Mechanism. Buddhi Lamsal and Kangzi Ren, Iowa State University, USA

Triglyceride Derived Surfactants and Interesterification: Synthesis and Performance Properties. Heather E. Byrne¹, George A. Smith², and Angela Garibay-Lewis², ¹Huntsman Performance Products, USA; ²Huntsman Corporation, USA