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 Renterghem1, Sophie L.K.W. Roelants1, Niki Baccile2, Karel De Schamphelaere3, 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

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

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 Solomon, USDA, ARS, ERRC, USA

**Tailoring of Mannosylerythritol Lipids by Pseudomoa 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 Stenomella bombicola: Promising Results from Application Testing.** Lisa Van Renterghem, Sophie L.K.W. Roelants, Niki Baccile, Karel De Schampelaere, Quinten Christiaens, Stijn Verbure, and Wim Soetaert. Ghent University, Belgium; Chimie de la Matière Condensée de Paris, Université Pierre et Marie Curie, France; Environmental Toxicology Unit, Ghent University, Belgium; Centre for Industrial Biotechnology and Biocatalysis (InBio.be), Ghent University, Belgium

**Microbial Biosurfactants, from Lab to Market: Hurdles and How to Tackle Them.** Sophie L.K.W. Roelants, Bernd Everaert, Emile Redant, Brecht Vanlerberghen, and Wim Soetaert. Bio Base Europe Pilot Plant, Belgium; Centre for Industrial Biotechnology and Biocatalysis (InBio.be), Ghent University, Belgium

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

**Sophorolipid Biosurfactant Against Bacteria Relevant to Tooth Caries and Skin Hygiene.** Daniel K.Y. Solaiman, Richard D. Ashby, Joseph Ukinal, Aixing Fan, and Laurence Du-Thumm. USDA, ARS, ERRC, USA; USDA, ARS, ERRCA, USA; Colgate Palmolive Co., USA

**A Journey to Standardization of Bio-based Surfactants in Europe.** Juergen G. Troosch, Christophe Sené, Thierry Beaudouin, Stephen Mudge, and Horacio Hormazabal. BASF SE, Germany; Stepan, France; SBI, UK; AFNOR, France

**Oil Seed-extracted Oleosome Emulsifiers for Sun Protection Products.** Soo In Yang, Shuanghui Liu, Geoffrey Brooks, Yves Lanctot, and James V. Gruber. Botaneco Inc., Canada; Botaneco Inc., USA

**The Antibacterial Property of Fatty Aci Glutamic Acid and Proposed Mechanism.** Buddhhi Lamsal and Kangzi Ren, Iowa State University, USA

**Triglyceride Derived Surfactants and Interesterification: Synthesis and Performance Properties.** Heather E. Byrne, George A. Smith, and Angela Garibay-Lewis. Huntsman Performance Products, USA; Huntsman Corporation, USA