



# ICGEB

International Centre for Genetic  
Engineering and Biotechnology

Developing  
Knowledge

## Theoretical Course:

### "Advances in Industrial Biotechnology for second generation renewable fuels"

2 and 3 December 2021, La Plata, Argentina

## Preliminary programme

Thursday, 2 December, 2021 (Argentina time)

**9.00-9.15 Welcome address.** Mario Saparrat and Matias Barrenechea, UNLP

**9.15-9.30 Course presentation.** Giuliano Degrassi, ICGEB

**9.30-10.00 Self-presentation of speakers and participants**

**10.00-11.00 Use of lignocellulose-degrading microorganisms to produce biofuels.** Daniel Grasso (INTA, Buenos Aires, Argentina)

11.00-11.15 Break

**11.15-12.15 Enzymes for lignocellulosic biomass deconstruction: what's new?** Eleonora Campos (INTA-CONICET, Argentina)

**12.15-13.15 Biogas - A Sustainable Microbial Technology.** Ann C. Wilkie (University of Florida).

Friday, 3 December, 2021

**9.00-10.00 Enzymes for agricultural waste processing.** Shams Yazdani (ICGEB, New Delhi)

**10.00-11.00 Synthetic biology and metabolic engineering for clean energy.** Rodrigo Ledesma Amaro (Imperial College, London)

11.00-11.15 Break

**11.15-12.15 Main economics of a biogas plant, dedicated to biomethane production from agricultural byproducts.** Claudio Peraino (Biogas Progetti, Italy).

**12.15-13.15 Industrial Biotechnology: applications for biogas production.** Walter Vargas (Y-Tec, La Plata, Buenos Aires, Argentina)

**13.15-13.30 Closing remarks**