



**UCD SCHOOL OF CHEMICAL &
BIOPROCESS ENGINEERING**



SCBE 3RD ANNUAL SEMINAR DAY

**22 MARCH 2024
10AM - 4:30PM**



**ROOM L143
UCD SUTHERLAND SCHOOL OF LAW
BELFIELD**

PROGRAMME

10:00 REGISTRATION

SESSION 1 - Chair Dr Veronica Sofianos

- 10:20 Opening session - Welcome by Head of School Jessica Whelan
- 10:30 **Introduction to the Biopharmaceutical and Pharmaceutical Engineering Research Theme**
- 10:40 Alex Bogdanovic - Design of Experiment (DoE) Enabled Scale-Up for Adeno-associated Virus (AAV) Production
- 11:00 Rehan Anwar - Boosting the thermochemical energy storage performance of Limestone by adding Mayenite
- 11:20 Arda Deniz Tugrul - PEGylation as a therapeutic protein aggregation prevention strategy
- 11:40 Ciaran Dunne - Advanced Imaging of Biofilm-Particle Interactions
- 12:00 **3rd Annual SCBE Seminar Day Group Photo**
- 12:10 **LUNCH & POSTER SESSION**

SESSION 2 - Chair Dr Ioscani Jimenez Del Vali

- 13:20 **Introduction to the Energy and Environmental Research Theme**
- 13:30 Beatriz Pinheiro Lopes - Cold Plasma Deposition of Topotecan as a Novel Technology for Cancer Drug delivery to Glioblastoma Cells
- 13:50 Niloufar Azizi - The impact of temperature and pH on ammonia recovery from animal manure using air stripping analysed by process simulation
- 14:10 Cristina Abascal Ruiz - SialMAX: Maximizing Biopharmaceutical α -2,6-Sialylation in CHO Cells
- 14:30 Kallum Doyle - Digital Design for Advanced Biotherapeutics: A Model-enabled Framework for the Development and Optimisation of Biopharmaceutical Cell Culture Processes
- 14:50 **AFTERNOON REFRESHMENTS & POSTER SESSION**

SESSION 3 - Chair Dr Veronica Sofianos

- 15:20 **Introduction to the Advanced Materials Engineering Research Theme**
- 15:30 Fiona Freeman: Navigating the Research Funding Landscape for a Career in Academia
- 16:00 **Award Presentations**
SCBE Best Presentation and Poster Awards
SCBE Research Award
MacElroy Energy Research Award
- 16:10 Closing by Head of School Jessica Whelan
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