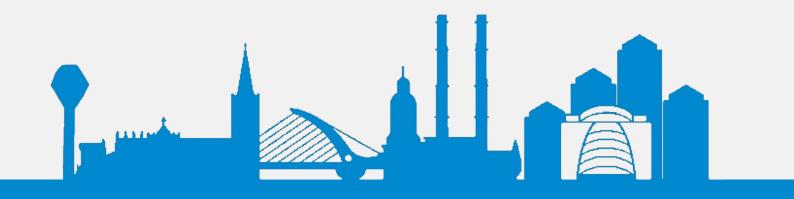


UCD SCHOOL OF CHEMICAL & BIOPROCESS ENGINEERING



SGBE 1ST ANNUAL SEMINAR DAY

7 MARCH 2022 9AM - 5PM

ROOM LO24 MASON HAYES THEATRE SUTHERLAND SCHOOL OF LAW, BELFIELD, UCD

LIVE AT:

https://ucd-ie.zoom.us/j/62355493729? pwd=SmtQZkZSV0V3aUtvZUduS3I5WkQ3UT09

PROGRAMME

09:00	REGISTRATION AND REFRESHMENTS
SESSIOI	N 1: Biopharmaceutical and Pharmaceutical Engineering - Chair Dr Veronica Sofianos
09:30	Opening session- Welcome by Professor Eoin Casey
09:40	Plenary Speaker – Assistant Professor Ioscani Jimenez del Val
10:10	Ioanna Tzani — 'Understanding the transcriptional response to endoplasmic reticulum stress
	Chinese hamster ovary cells using multiplexed single cell RNA-seq
10:25	Michael Stocker — 'Advanced Formulation of Co-processed Ionic Liquid Drugs via Spray
	Drying for Incorporation into Solid Dosage Forms'
10:40	Alan Foley — 'Sequencing of mitochondrial DNA from single CHO cells reveals widespread heteroplasmy'
10:55	MORNING REFRESHMENTS AND NETWORKING
SESSIO	N 2: Energy and Environment - Chair Dr Colin Clarke
11:10	Keynote Speaker – Professor Eoin Casey
11:40	Matin Saddiqi — 'Smart Management of Combined Sewer Systems together with End-of-pip Treatment Plants'
11:55	Ali Ekhtiari — 'Green Hydrogen in Gas Pipelines & the End-Users Limits'
12:10	Burcu Akkoyunlu — 'Membrane bioreactors to produce polyhydroxyalkaonate (PHA) from CO2'
12:25	1st Annual SCBE Seminar Day Group Photo
13:00	LUNCH
SESSIO	N 3: Advanced Materials Engineering - Chair Dr Roderick Jones
14:00	Keynote Speaker – Professor Niall English
14:30	Jhimli Paul Guin — 'Degradation of an Organic Demon in Water Using Visible Light Photocatalysis'
14:45	Rehan Anwar — 'Designing nano-additive for Limestone based thermochemical energy storage to improve cycling performance'
15:00	HaoLun Wu — 'Molecular-dynamics simulation of proteins in external electric fields'
15:15	AFTERNOON REFRESHMENTS AND NETWORKING
SESSIO	N 4: Biopharmaceutical and Pharmaceutical Engineering - Chair Dr Eoin Syron
15:45	Keynote Speaker – Associate Professor Colin Clarke
16:15	Maycou Soares Zamprognio — 'Characterization, Modelling and Optimization of the
	Cryopreservation and Revival of Mammalian Cells'
16:30	Apostolos Tsopanoglou — 'Next-gen glycoengineering: combining cellular and metabolic engineering to fine-tune mAb β 1,4 galactosylation'
16:45	Closing by Professor Eoin Casey
	Award presentations

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