3rd ESACT Frontiers Retreat Vienna 2022

26th October

10:00 - 14:00	**Registration**
14:00 - 14:30	**Welcome from Frontiers and ACTIP**
	Keynote Session 1
14:30-15:30	**Univ.Prof. Dr. Nicole Borth - BOKU**
15:30 - 16:00	Coffee-break
	Oral Presentation Session 1
16:00 - 16:20	**O1-Linus Weiss** *A blueprint from nature: miRNome comparison of plasma cells and CHO cells to optimize therapeutic antibody production*
16:20 - 16:40	**O2-Nicolas Marx** *Identification of Transgene Integration Sites, their Structure and Epigenetic Status with Cas9-targeted Nanopore Sequencing in CHO Cells*
16:40 - 17:00	**O3-Philipp Reifenberg** *Application of metabolomics for the development and optimization of cell culture media*
17:00 - 17:20	**O4-Victor Jimenez Lancho** *Sequential activation of multiple gene copies facilitates adaptation of CHO cells to increased productivity*
17:20 - 17:40	**O5-Caterina Ruggeri** *Profiling lncRNA -protein interactions in CHO cells*
18:00 - 19:00	**Poster Session 1 (odd numbers)**
19:30 - 22:00	Dinner at the hotel

27th October

	Early Career Entrepreneur Session
09:00- 09:35	**Dr. Will Milligan - Extracellular**
09:35 - 10:10	**Dr. Mark Duerkop - Novasign GmbH**
10:10 - 10:40	Coffee-break
	Career Session
10:40 - 11:15	**Dr. Chris Sellick, MBA - Sanofi Ltd**
11:15 - 11:50	**Ass.Prof.Dr. Ioscani Jiménez del Val - UCD**
11:50 - 12:45	Lunch
	Career Development Session
12:45 - 15:15	**Michael Heath - MH Consulting**
	Keynote Session 2
15:15 - 16:15	**Dr. Emma Petiot - 3d.FAB**
16:00 - 16:15	Coffee-break
16:15- 17:15	**Poster Session 2 (even numbers)**
18:00 - ...	**Dinner & Social Activity**

28th October

	Keynote Session 3
09:00 - 10:00	**Prof.Dr. Niall Barron - UCD & NIBRT**
10:00 - 10:15	Coffee-break
	Oral Presentation Session 2
10:15 - 10:35	**O6-Alana Szkodny** *Investigating "Difficult-to-Express" mAb Frameworks in Transient and Site-Specific Integration-Based CHO Expression Systems*
10:35 - 11:05	**O7-Markus Riedl** *Comprehensive Meta-Analysis of the CHO Coding Transcriptome*
11:05 - 11:25	**O8-Tobias Jerabek** *Life at the periphery: Unveiling the CHO surfaceome enables knowledge-based engineering approaches*
11:25 - 11:45	**O9-Antonino Napoleone** *Optimisation of a Lentiviral delivery strategy to successfully conduct genome-wide CRISPR-Cas9 screens in suspension-adapted CHO cell lines.*
11:45 - 12:05	**O10-Mauro Torres** *Engineering Chinese hamster ovary cells for enhanced protein secretion*
12:05- 13:10	Lunch
	Oral Presentation Session 3
13:10 - 13:30	**O11-Alba Lopez Fernandez** *Feasibility of the scalability of Wharton's jelly-derived multipotent stromal cells in stirred-tank bioreactors with a serum-free and GMP approach*
13:30 - 13:50	**O12-Christoph Keysberg** *A hot process strategy for exosome production– boosting the secretion via hyperthermal shift*
13:50 - 14:10	**O13-Maja Papez** *SLAM-seq Reveals Early Transcriptomic Adaptation Mechanisms upon Glutamine Deprivation in Chinese Hamster Ovary Cells*
14:10 - 14:30	**O14-Ryan Hagan** *Interrogating production instability in Chinese hamster ovary cells using single cell ATAC and RNA sequencing*
14:30- 15:00	Coffee-break
15:00 - 16:00	**Closing Session - prizes and Frontiers presentation**
17:00 - ...	**Gala Dinner**