



Metabolic and Bioprocess Modelling for Animal Cells Course 2023					
	Sunday 15.10.23	Monday 16.10.23	Tuesday 17.10.23	Wednesday 18.10.23	Thursday 19.10.23
AM 8.30 – 10.30	Arrival to Barcelona/Girona airports and transfer to Hotel Terramar in Llafranc Check-in Hotel	Introduction to bioprocess modelling & integration with process analytics C. Kontoravdi – Imperial College D.Y Lee - Sungkyunkwan University E. Petiot – 3d.FAB	Chemometrics and their use to support integration of Process Analytical Technologies – Part 1 V. Chotteau - KTH	Computational fluid dynamics - Part 1 E. Olmos – LRGP	Multi-omics dataset and bioinformatics - Part 1 C. Clarke - NIBRT
10.30- 11.00		Coffee Break			
11.00- 13.00		Introduction to bioprocess modelling & integration with process analytics C. Kontoravdi – Imperial College D.Y Lee - Sungkyunkwan University E. Petiot – 3d.FAB	Chemometrics and their use to support integration of Process Analytical Technologies – Part 2 V. Chotteau - KTH	Computational fluid dynamics - Part 2 E. Olmos – LRGP	Multi-omics dataset and bioinformatics - Part 2 C. Clarke - NIBRT
13.00- 14.30		Lunch			
14.30- 16.30		Kinetic modelling lecture - Part 1 C. Kontoravdi – Imperial College	Chemometric models - case study on Raman spectroscopy E. Petiot – 3d.FAB	Kinetic modelling workshop - Part 2 C. Kontoravdi – Imperial College	Concluding remarks
16.30- 17.00		Coffee Break			
17.00- 19.00		Metabolic modelling workshop – Part 1 D.Y Lee - Sungkyunkwan University	Hybrid kinetic/data-driven models I del Val -UCD	Metabolic modelling –Part 2 D.Y Lee - Sungkyunkwan University	departure to Barcelona/Girona airports
21.00		Welcome & Dinner			