

## PSSRC 2020 Annual Meeting Online: Quick Overview Timetable

Time				Schedule			
June 23 <sup>rd</sup> , 2020							
NZ	UK	CET	Finland				
				All participants			
19:00	8:00	9:00	10:00	Welcome words			
				General session G Surfaces			
19:10	8:10	9:10	10:10	Mikkel Herzberg		University of Copenhagen	
19:25	8:25	9:25	10:25	Jayant Iyer		RCPE Graz	
19:40	8:40	9:40	10:40	Short break (choose your session)			
				Parallel session A Analytics		Parallel session B Amorphous systems	
19:45	8:45	9:45	10:45	Mohammed Al-Sharabi University of Cambridge		Eline Boel KU Leuven	
20:00	9:00	9:00	11:00	Chima Robert University of Otago		Jingwen Liu University of Copenhagen	
20:15	9:15	10:15	11:15	Moritz Anuschek University of Cambridge		Dunja Novakovic University of Helsinki	
20:30	9:30	10:30	11:30	Karlis Berzins University of Otago		Melissa Everaerts KU Leuven	
20:45	9:45	10:45	11:45	Qi Li University of Cambridge		Nele-Johanna Hempel University of Copenhagen	
21:00	10:00	11:00	12:00	Johanna Kölbel University of Cambridge		Sien Dedroog KU Leuven	
21:15	10:15	11:15	12:15	Lunch break (or evening snack)			
				Parallel session C Processing		Parallel session D Drug release and solubility	
21:45	10:45	11:45	12:45	Carolina Corzo RCPE Graz		Mithushan Soundaranathan University of Strathclyde	
22:00	11:00	12:00	13:00	Elene De Cleyn KU Leuven		Jernej Štukelj University of Helsinki	
22:15	11:15	12:15	13:15	Vanessa Düphans TU Dortmund		Céline Bassand University of Lille	
22:30	11:30	12:30	13:30	Fabiana Ferraro University of Lille		Prince Bawuah University of Cambridge	
22:45	11:45	12:45	13:45	Anna Justen TU Dortmund		Snezana Radivojev RCPE Graz	
23:00	12:00	13:00	14:00	Martina Trogrlic RCPE Graz		Runqiao Dong University of Cambridge	
23:15	12:15	13:15	14:15	Alternative lunch break			
				Parallel session E Formulation and 3D printing		Parallel session F Powders and tablets	
23:45	12:45	13:45	14:45	Tingting Liu Shenyang Pharm. University		Michela Beretta RCPE Graz	
00:00	13:00	14:00	15:00	Fan Xie KU Leuven		David Blanco University of Helsinki	
00:15	13:15	14:15	15:15	Lan Wu Shenyang Pharm. University		Sara Fathollahi RCPE Graz	
00:30	13:30	14:30	15:30	Céline Bassand University of Lille		Elisa De Pauw Ghent University	
00:45	13:45	14:45	15:45	Silke Henry University of Ghent		Natalie Maclean University of Strathclyde	
01:00	14:00	15:00	16:00	Erin Walsh University of Strathclyde		Anne Skelbæk University of Copenhagen	
01:15	14:15	15:15	16:15	Break			
01:25	14:25	15:25	16:25	Board meeting		Online Hang-out zone	
01:55	14:55	15:55	16:55	Break (get your own drink)			
02:00	15:00	16:00	17:00	Online Reception (All participants)			

## PSSRC 2020 Annual Meeting Online: Detailed Overview Timetable

Time	Schedule	
Finland	June 23 <sup>rd</sup> , 2020	
	All participants	
10:00	Welcome words (Prof. Clare Strachan, University of Helsinki)	
	General session G Surfaces	
10:10	Mikkel Herzberg, University of Copenhagen In situ characterization of crystal surfaces using atomic force microscopy and molecular dynamics simulations	
10:25	Jayant Iyer, RCPE Graz Towards understanding the role of crystal disorder in solid state drug oxidation	
10:40	Short break (choose your session)	
	Parallel session A Analytics	Parallel session B Amorphous systems
10:45	Mohammed Al-Sharabi, University of Cambridge Investigating the liquid transport kinetics of ceramic powder compacts using terahertz pulsed imaging	Eline Boel, KU Leuven Investigation of bead coating as manufacturing process for the development of amorphous solid dispersions
11:00	Chima Robert, University of Otago Understanding the isothermal dehydration of crystalline hydrates in both the low and mid frequency Raman regions	Jingwen Liu, University of Copenhagen Dissolution behaviour of a ternary amorphous drug delivery system: a co-amorphous system co-formulated with a small amount of polymer
11:15	Moritz Anuschek, University of Cambridge Non-destructive quantification of fragmentation in pharmaceutical materials after tableting using terahertz time-domain spectroscopy	Dunja Novakovic, University of Helsinki Solid-state analysis of amorphous suspensions aiding the stability assessment and formulation selection
11:30	Karlis Berzins, University of Otago Solving the computational puzzle: towards a pragmatic pathway for modelling low-energy vibrational modes of pharmaceutical crystals	Melissa Everaerts, KU Leuven Investigating the complex phase behaviour and drug release of ternary solid dispersions based on ethyl cellulose
11:45	Qi Li, University of Cambridge Molecular dynamics and magnetic properties of metal-organic perovskites [C(NH <sub>2</sub> ) <sub>3</sub> ][MII(HCOO) <sub>3</sub> ]	Nele-Johanna Hempel, University of Copenhagen Does microwave-induced in situ amorphization follow linear kinetics?
12:00	Johanna Kölbl, University of Cambridge Terahertz spectroscopy for protein lyophilizates	Sien Dedroog, KU Leuven Unraveling the importance of solvent selection for the formulation of high drug loaded amorphous solid dispersions
12:15	Lunch break (or evening snack)	
	Parallel session C Processing	Parallel session D Drug release and solubility
12:45	Carolina Corzo, RCPE Graz Solid-state of polyglycerol esters of fatty acids: correlation to their processability via spray-drying to produce inhalable lipid-microparticles	Mithushan Soundaranathan, University of Strathclyde Quantification of Single Particle Swelling
13:00	Elene De Cleyn, KU Leuven Picking up good vibrations: The intensified vibratory mill via a modern design of experiments	Jernej Štukelj, University of Helsinki Machine Vision Enabled Salt Dissolution Analysis

13:15	Vanessa Düphans, TU Dortmund Time Efficient Simulation of Critical Process Parameters of Screw Elements of a Twin Screw Extruder	Céline Bassand, University of Lille Impact of the in vitro release set-up on ibuprofen release from PLGA implants
13:30	Fabiana Ferraro, University of Lille Anthelmintic moxidectin-loaded lipid microparticles	Prince Bawuah, University of Cambridge Towards the Development of a Fully Automated At-line Terahertz Porosity Sensor for Non-Destructive Prediction of Tablet Dissolution
13:45	Anna Justen, TU Dortmund Production and Collection of Submicron Drug Particles	Snezana Radivojev, RCPE Graz The relevance of simulated lung fluid composition on the drug solubility and predicted in-vivo performance
14:00	Martina Trogrlic, RCPE Graz Numerical and Experimental Validation of a Pilot Scale Wurster Coater Application	Runqiao Dong, University of Cambridge Study of Swelling of Immediate Release Tablets during Water Ingress Using Terahertz Pulsed Imaging
14:15	Alternative lunch break	
	Parallel session E Formulation and 3D printing	Parallel session F Powders and tablets
14:45	Tingting Liu, Shenyang Pharm. University Enhancement of aerosol performances of inhalable dry powders containing trantinterol hydrochloride with fine lactose and magnesium stearate	Michela Beretta, RCPE Graz Tribo-electrification of pharmaceutical powders during twin-screw feeding and their sensitivity to environmental conditions
15:00	Fan Xie, KU Leuven Development of a controlled-release carrier using mesoporous cellulose beads for poorly water soluble drugs	David Blanco, University of Helsinki New Imaged-based Characterization of Powder Flow
15:15	Lan Wu, Shenyang Pharm. University The lung inflammation effects of siRNA loaded PLGA nano-formulations for long-term pulmonary administration	Sara Fathollahi, RCPE Graz Performance Evaluation of a High-precision Low-dose Powder Feeder
15:30	Céline Bassand, University of Lille Is PLGA suitable for 3D printing of controlled release implants?	Elisa De Pauw, Ghent University Formation of delta-mannitol by co-spray drying to enhance tabletability of paracetamol-mannitol formulations
15:45	Silke Henry, Ghent University Material requirements for extrusion-based 3D printing	Natalie Maclean, University of Strathclyde Exploring the Stability-Controlling Tablet Disintegration Mechanisms
16:00	Erin Walsh, University of Strathclyde Development of 3D Printed Rapid Tooling for Micro-Injection Moulding	Anne Skelbæk, University of Copenhagen The effect of particle size and deformation behavior on water ingress into tablets
16:15	Break	
16:25	Board meeting	Online Hang-out zone
16:55	Break (get your own drink)	
17:00	Online Reception (All participants)	