

	Sunday 3/22	Monday 3/23	Tuesday 3/24	Wednesday 3/25	Thursday 3/26
7:30 - 8:30 AM			Breakfast Seminar: Purolite		
A B C D E 8:30 AM - 11:50 AM (Tuesday Only)	Tangential Flow Filtration, Viral Filtration, and Crystallization	Protein Developability and Stability Towards Pharmaceutical Formulation: Lori Burton (Keynote) Biomolecular Rapid Fire	Sustainability in Bioprocessing John Warner	New Methods in Protein Engineering: Ben Hackel	Advances in Drug Delivery: Millicent Sullivan
	Data Analytics Enabled Alternative Processing	Membrane Chromatography: Downstream Rapid Fire	Big Data & Modeling for Complex Systems	Modeling and Biophysics for Chromatography Development: Giorgio Carta	Evolution of Intensified Downstream: Judy Chou
	Non-Model Host Engineering and Bioreactor Engineering	Engineering Microbial Organelles and Communities Maciek Antonowicz (Keynote) Upstream Rapid Fire	Emerging BIOT Leaders: Samira Azarin	Therapeutics: Systems and Synthetic Biology Tools: Amanda Lewis	Cell Culture Miniaturization, Scale Up, Optimization: Gregg Nyberg
	Continuous Manufacturing 1: Weichang Zhou	Bioprocess Challenge in CGT Susan Abu Absi (Keynote) E2E Rapid Fires	Chemical Biology Across Process Development Shohei Koide (Keynote)	Continuous Manufacturing 2	Process Scale Up/Out: Industrial Biotechnology Award - AstraZeneca
	Engineering Microbiomes and Host-Microbiome Interactions: Pam Silver	Cancer Technologies: AICHE/ACS DIC Wang Award ; Konstantin Konstantinov Biomedical Rapid Fire		Manufacturing Viral Vectors: Rolf Ramelmeier	
11:00-12:00 PM			David Perlmán Award: David Liu		
12:00 - 1:30PM	Lunch Seminar: NIIMBL	Lunch Seminar: GE Healthcare	Lunch Seminar: Bio-Rad	Lunch Seminar: Thermo Fisher	
1:00 - 2:00PM			Future Programming Meeting		
A B C D E 2:00 PM - 5:00 PM	High Throughput Screening Techniques and Applications	Tools and Technologies for Biotherapeutics Formulation Marvin Johnson Award: Jim Swartz	Best of B&B Gaden Award: Mike Betenbaugh B&B Wang Award : Peng Xu	Structure Guided Protein Engineering	Engineering Novel Therapeutics
	Clarification, Precipitation and Filtration	Case Studies and Applications in Purification Process Development	Bridging the Gaps In Process Development: Jennifer Maynard	Purification of Novel Modalities	Protein A Chromatography: Hanne Bak (Keynote)
	Microbial Pathway Engineering	Systems & SynBio 2: BIOT Young Investigator Award Lydia Contreras	Emerging BIOT Research Areas: Jordi Mata-Fink	Productivity/product quality control in cell culture and genome engineering	Understanding and optimizing metabolism in cell culture
	Manufacturing Process Intergration: Sarah Harcum	Manufacturing - Not so mAb!	Big Data and Modeling for Molecular Engineering: Deb Marks (Keynote)	Philly Area Biotech - Cell & Gene Therapy: Bruce Levine	Next Generation Synthetic and Systems Biology Tools
	Sensing Technologies	Cell and Gene Therapy: Krish Roy (Keynote)		Nanotech and Drug Delivery	
5:00 - 6:00	BIOT TANK 5-6:30PM	Kavli Lecture		Reception for Philly Biotech	
6:00 - 8:00	Reception 6:30-9:00PM BIOT Members Only	Networking Session 6:00-8:00 PM	Poster Session 6:00-10:00PM	Diversity Townhall (6-8PM)	
8:00 - 10:00		Sci-Mix Poster Session 8:00-10:00PM			
Other Events		ExComm Meeting By Invitation Only 7PM - 11PM	Award Dinner By Invitation Only	Program Chair Lunch By Invitation Only 12-2 PM	
		B&B Board Lunch By Invitation Only			

Upstream Processes	Downstream Processes	Biomedical Technologies	Biomolecular Technologies	End-to-End Biomanufacturing
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