Evolving Landscape of Biopharma: Navigating from Discovery to Commercialization

Friday (March 14) — PM

Time	Session
12:00 p.m. -5:00 p.m.	Registration Open
2:00 p.m. - 5:00 p.m.	**Workshop: LLMs and Generative AI: Real-world Applications from Peers** (Room: Centennial I) Host: Lixia Yao Ph.D., Polygon Health Analytics LLC Presenters: Si Chen, Ph.D., West Chester University; Yugang Jia, Ph.D., Verily Life Science / MIT; Farhat Siddiqui, M.S., Genmab; Lixia Yao, Ph.D., Polygon Health Analytics LLC; Zhiwei Yin, Ph.D., Bristol Myers Squibb; Ying Zhou, Ph.D., M.B.A., Teva Pharmaceuticals
3:00 p.m. - 6:00 p.m.	**High School Students Business Pitch Competition** (Room: Centennial II) Host: Xinjun Zhang Ph.D., Merck Presenter: High School Students
6:00 p.m. - 9:00 p.m.	**Reception: Invitation Only** (Room: Wayne) Host: Yufeng Li, Ph.D., Vivace Therapeutics (SAPA-GP President)

Saturday (March 15)

AM

Time	Session
8:00 a.m. - 9:00 a.m.	Registration Open
9:00 a.m. - 10:30 a.m.	**Plenary Session** (Room: Grand Ballroom) Host: Yufeng Li, Ph.D., Vivace Therapeutics (SAPA-GP President) & Lu Wang, Ph.D., M.B.A., Spark Therapeutics Inc. (SAPA-GP President-Elect) **Keynote 1: Research and Development at Jazz Pharmaceuticals** Presenter: **Robert Iannone**, M.D., M.S.C.E., Jazz Pharmaceuticals **Keynote 2: Next-Gen Technology Innovation to Accelerate Drug Discovery** Presenter: **Litao Zhang**, Ph.D., Johnson & Johnson Innovative Medicine
10:30 a.m. - 10:50 a.m.	

Parelell Sessions

Track & Room	Next-Gen Drug Discovery: **Unlocking Potential with Breakthrough Technologies** **Scientific Track** (Room: Centennial I) Track Lead: Jake Dong, Ph.D., Frontage	Innovationg Clinical Development: **Redefining Pathways for Modern Medicine** **Clinical & Regulatory Track** (Room: Grand Ballroom) Track Lead: Yali Liang, M.D., M.S. Jazz Pharmaceuticals	Unleashing Data Science: **Accelerating the Journey from Bench to Market** **AI and Data Science** (Room: Centennial III) Track Lead: Lixia Yao, Ph.D., Polygon Health Analytics LLC	Beyond Domastic Market: **Charting the Path to Global business Success** **Business Track** (Room: Centennial II) Track Lead: Bill Lu, M.B.A., Forerun Advantage	Set for Success: Empowering industry professionals and aspiring entrepreneurs **Special Track** (Room: Frazer) Track Lead: Patricia Tsao, M.D., Ph.D., M.P.H., CytoEX Inc.
10:50 a.m. - 12:20 p.m.	**New Therapeutic Modalities and Platforms** Session Chair: Tong-yuan Yang, M.D., Ph.D. Johnson & Johnson Innovative Medicine **Engineered CRISPR Systems for Diseases Treatment** Xue (Sherry) Gao, Ph.D., University of Pennsylvania **Universal Cancer Only Marker (UCOM), An Achievable Dream Needs UCOM** Wenqiang Yu, M.D., Ph.D., Fudan University **Risk Factor Analysis and Risk Prediction by Machine Learning** Alex Qiu, M.D., Ph.D., Bristol Myers Squibb	**Quantitative Medicine in Drug Development and Approval** Session Chair: Yali Liang, M.D., M.S. Jazz Pharmaceuticals **Organizing Global Regulatory Affairs and PV/Safety Functions for Success; Hot topics in Regulatory Policy** Ercem Atillasoy, M.D., Jazz Pharmaceuticals **Development of tRNA Therapeutics to Treat Stop Codon Disease: Getting Quantitative Medicine into Action** Sandra Visser, Ph.D., Alltrna **Advancing Novel Bispecific Drug Development Through Quantitative Medicine in Oncology** Suzette Girgis, Ph.D., M.S., Jazz Pharmaceuticals	**State-of-the-Art AI Technologies: Where We Are and Where We Are Heading** Session Chair: Lixia Yao, Ph.D., Polygon Health Analytics LLC **Generative AI Applications in Precision Health** Yugang Jia, Ph.D., Verily Life Science / MIT **Applications of Siamese Networks for Biomedical Text Processing** Eric Yang, Ph.D., Medidata Solutions **Unleashing the Power of Data Science in Pharmaceutical Research in the Era of Artificial Intelligence** Antong Chen, Ph.D., Merck & Co., Inc.	**Going Global: Strategy vs Necessity** Session Chair: Leon Jun Tang, Ph.D., M.S., ISWT BioAdvisory **Panel Discussion** Marc Appel, JD M.B.A., Pacific Bridge NY Weiyong Sun, M.D. Ph.D. M.B.A., Hansoh Pharma Lihua Zheng, JD Ph.D., Z-Star Therapeutics Inc.	**GTRA Entrepreneurship & Startup Exchange Forum** Session Chair: Xiaobin Huang, Ph.D. University of Pennsylvania **From Failure to Success-Experience of Managing Biotech Start-up in US and China** Dan Zhang, M.D. MPH, Hillgene Biopharma Ltd. **Entrepreneurship in Medical Device** Lily Li, M.S. MinaRosa Technologies **Are you Ready to Start a Business?** Xiaobin Huang, Ph.D. University of Pennsylvania

Lunch

Time	Session
12:20 p.m. - 1:30 p.m.	Lunch Break

12:30 p.m. - 1:30 p.m.		**Lunch Seminar** (Room: Malvern) **The Future of New.Co and How You Can Get Involved** Host: Jimmy Zhou, Head of US BD, Genevoyager Presenter: Jimmy Zhou, M.B.A. HighLight Capital	**Lunch Seminar** (Room: Frazer) **The Science of Exosomes: Unlocking Cellular Communication – The Next Frontier in Skin Rejuvenation and Hair Boosting** Host: Jingwen Niu, Ph.D Principal Scientist, AlphaThera Presenter: Laura Hong, M.D. Ph.D. AlaR7	**Lunch Seminar** (Room: Haverford) **TurboCHO: Robust Platform for Biospecific and Multispecific Modalities** Host: Zhiyi Cui, Ph.D, Associate Director, GSK Presenter: YC Low, Ph.D. GenScript USA Inc	**Lunch Seminar** (Room: Paoli) **Advancing technology through flow chemistry at Apeloa** Host: Xinjun Zhang, Ph.D, Assoc. Principal Scientist, Merck Presenter: Matthew England, M.B.A. Apeloa Pharmaceutical

PM

Time	Session
1:30 p.m. - 3:00 p.m.	**Discovery & Development of Novel Antibody Drug Conjugates** Session Chair: Shawn Shouye Wang, Ph.D. Chinese Antibody Society **Accelerating the Development of ADCs from concept to BLA** Jimmy Li, Ph.D., WuXi XDC **The Use of Computational and Machine Learning/AI Methods In The Development of Therapeutics for Oncology** Dowdy Jackson, Ph.D., Jackson Consulting Group **OBI ADC Technology and Pipeline** Xiao Meng, Ph.D., OBI Pharma	**Enhancing Trial Outcomes** Session Chair: Lu Xia, M.B.A., M.A., Johnson & Johnson Innovative Medicine **Implementing ML-driven Inclusion Criteria to Enrich Clinical Trials with Patients Exhibiting Canonical Symptom Structures** Sam Tomioka, M.S., Sumitomo Pharma America **Capturing the Patient Voice through the Development of Novel Endpoints in Precision Trials** Katherine Bevans, Ph.D., Johnson & Johnson Innovative Medicine **Project Optimus, Early Development Incorporation** Hong Xie, M.D., M.B.A., M.S. Former early development executive at BeiGene and Johnson & Johnson	**Data Science in Biopharma: Unlocking Insights from Big Data I** Session Chair: Boshu Ru, Ph.D., Merck & Co., Inc. **Debiased Causal Transformer for Drug Discovery Using Real-world Data** Yong Chen, Ph.D., University of Pennsylvania **Analyzing the Large and Complex SFARI Autism Cohort Data using the Genotypes and Phenotypes in Families (GPF) Platform** Ivan Iossifov, Ph.D., Cold Spring Harbor Laboratory **Optimizing Physician Selection: AI and Machine Learning Applications in Clinical Trials and Marketing** Yunlong Wang, Ph.D., IQVIA	**Going Global: The Making of a Global Ready Asset** Session Chair: Lijing Nan, M.B.A. Mentor International Group Institute Inc **Panel Discussion** Shirley Liu, Ph.D., GV20Therapeutics Richie Lou, McKinsey & Company Yuenian Eric Shi, M.D. Ph.D., Chimigen Bio Haichen Yang, M.D. M.B.A. M.A., Amicus Therapeutics Derek Yuan, Ph.D., LYFE Capital	**From Conflict to Connection: Improving Your Career Soft Skills** Session Chair: Patricia Tsao, M.D., Ph.D., M.P.H., CytoEX Inc. **Cross Culture Communication** Patricia Tsao, M.D., Ph.D., M.P.H., CytoEX Inc. **Conflict Resolution** Helen Sun, M.A., SPHR, Zambon Group **Interview Tactics** Evelyn Guo, Laura Hong, Helen Sun, Patricia Tsao
3:00 p.m. - 4:00 p.m.	Coffee Break
3:15 p.m. - 3:45 p.m.	Poster Presentation (Room: Grand Ballroom)
4:00 p.m. - 5:30 p.m.	**Advanced Drug Discovery and Process Development** Session Chair: Yu Chen, Ph.D., Eli Lilly and Company **Targeted Protein Degradation in Oncology and Beyond** Shuichan Xu, Ph.D., Bristol Myers Squibb **A Systems Biology Approach to Model CHO Cell Culture and Predict Outcomes** Bo Zhai, Ph.D., Johnson & Johnson Innovative Medicine **Proactive Mitigations for Prefilled Syringe Needle Clogging through Development, Validation and Manufacturing** Qihang (Echo) Sun, Ph.D., Merck & Co., Inc.	**Impact of Bioanalysis on Biotherapeutics Research and Development** Session Chair: Yongle Pang, Ph.D., GlaxoSmithKline plc **Addressing PK Assay Questions for Clinical Pharmacologists: Challenges and Solutions in Biologics Bioanalysis** Huaping Tang, Ph.D., GlaxoSmithKline plc **Bioanalytical Strategies for Characterizing Glucagon-like Peptide-1 (GLP-1) Based Therapeutics** Wenying Jian, Ph.D., Johnson & Johnson Innovative Medicine **Bioanalytic Strategy for ADC** Murali Matta, Ph.D., Merck & Co., Inc.	**Data Science in Biopharma: Unlocking Insights from Big Data II** Session Chair: Ying Li, Ph.D., Regeneron Pharmaceuticals, Inc **Harnessing AI and Informatics for Precision Medicine in Dementia** Li Shen, Ph.D., University of Pennsylvania **Unleashing the Potential of Unlabeled Digital Pathology Data** Lin Li, Ph.D., Merck & Co., Inc. **Uses of CausalAI for the Optimization of Clinical Trials** Aaron Mackey, Ph.D., Lokavant	**Going Global: Finding Help in the US** Session Chair: Patricia Tsao, M.D., Ph.D. CytoEX Inc. **Panel Discussion** Rui Che, KPMG Joshua A. Kaufman, JD M.B.A., DLA Piper LLP (US) Stephen Manobianco, M.B.A., PSG Life Sciences Vikram Patra, M.B.A., Freedom Capital Markets Colin Wang, Ph.D., 6 Dimensions Capital Enna Weng, M.B.A., Freedom Capital Market	
5:45 p.m. - 6:00 p.m.	Rewarding Ceremony and Closing Remarks
6:00 p.m. - 7:00 p.m.	Reception (5min Raffle drawing)