

15TH ANNUAL **Mastering Medicinal Chemistry**

Part of **WPC** WORLD PRECLINICAL CONGRESS

June 19-21, 2018
The Westin Copley Place | Boston, MA








CONFERENCE AT-A-GLANCE
Preliminary Agenda and Schedule

Pre-Conference Short Courses*

*Separate registration is required for short courses.

Monday, June 18	<p>10:00a - 1:00p 2:30p - 5:30p 6:00p - 9:00p</p>	<p>SC1: Introduction to GPCR-Based Drug Discovery SC2: Enabling Macrocytic Compounds for Drug Discovery SC8: Applications of Artificial Intelligence & Machine Learning in Drug Discovery & Development</p>
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Main Conferences

	 ONCOLOGY & IMMUNO-ONCOLOGY		 SCREENING TOOLS & TECHNOLOGIES		 MEDICINAL CHEMISTRY	 CNS		 DRUG METABOLISM & TOXICITY	 VESICLES & NANOPARTICLES	 DISEASE MODELING			
Tuesday, June 19	Preclinical Strategies, Models & Tools in Oncology	Tumoroids for Oncology Research	iPS Cells for Disease Modeling and Drug Discovery	Phenotypic Screening and Chemical Biology	Mastering Medicinal Chemistry - Part 1	CNS Disease Models	Blood-Brain Barrier	Optimizing Drug Metabolism & Pharmacokinetics	NanoDrugs: Design and Delivery	Preclinical Strategies, Models & Tools in Oncology	Tumoroids for Oncology Research	iPS Cells	CNS Disease Models
Wednesday, June 20	Preclinical Strategies, Models & Tools in Oncology	Tumoroids for Oncology Research	iPS Cells for Disease Modeling and Drug Discovery	Phenotypic Screening and Chemical Biology	Mastering Medicinal Chemistry - Part 1	CNS Disease Models	Blood-Brain Barrier	Optimizing Drug Metabolism & Pharmacokinetics	NanoDrugs: Design and Delivery	Preclinical Strategies, Models & Tools in Oncology	Tumoroids for Oncology Research	iPS Cells	CNS Disease Models
Plenary Keynote Program (1:00 – 2:30PM)													
	Immuno-Oncology Targets	Tumor Models for Cancer Immunotherapy	3D Cellular Models	Next-Gen Genomics: Leveraging CRISPR & Single-Cells	High-Content Analysis	Mastering Medicinal Chemistry - Part 2	Translational Strategies in CNS	Predicting Drug Toxicity	Extracellular Vesicles	Tumor Models for Cancer Immunotherapy		3D Cellular Models	
Dinner Short Courses* (6:00 – 9:00PM)													
Thursday, June 21	Immuno-Oncology Targets	Tumor Models for Cancer Immunotherapy	3D Cellular Models	Next-Gen Genomics: Leveraging CRISPR & Single-Cells	High-Content Analysis	Mastering Medicinal Chemistry - Part 2	Translational Strategies in CNS	Predicting Drug Toxicity	Extracellular Vesicles	Tumor Models for Cancer Immunotherapy		3D Cellular Models	

Training Seminars (Concurrent)

Tuesday, June 19 - Wednesday, June 20	<p>TS1: Introductory Immunology for Autoimmune and Cancer Drug Discovery TS2: Practical Introduction to PKPD Modeling in Drug Discovery and Development TS3: Genome Editing with Targeted Nucleases</p>	Wednesday, June 20 - Thursday, June 21	<p>TS4: Introduction to Small Molecule Drug Discovery and Development TS5: Applying Pharmacology to New Drug Discovery TS6: Patient-Derived ASC-Organoids for Drug Development and Screening, Patient Stratification and Regenerative Medicine</p>
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Main Conference Meetings by Category



ONCOLOGY & IMMUNO-ONCOLOGY

- Preclinical Strategies, Models & Tools in Oncology
- Tumoroids for Oncology Research
- Immuno-Oncology Targets
- Tumor Models for Cancer Immunotherapy



SCREENING TOOLS & TECHNOLOGIES

- iPS Cells for Disease Modeling and Drug Discovery
- Phenotypic Screening and Chemical Biology
- 3D Cellular Models
- Next-Gen Genomics: Leveraging CRISPR & Single-Cells
- High-Content Analysis



MEDICINAL CHEMISTRY

- Mastering Medicinal Chemistry - Part 1
- Mastering Medicinal Chemistry - Part 2



CNS

- CNS Disease Models
- Blood-Brain Barrier
- Translational Strategies in CNS



DRUG METABOLISM & TOXICITY

- Predicting Drug Toxicity
- Optimizing Drug Metabolism & Pharmacokinetics



VESICLES & NANOPARTICLES

- NanoDrugs: Design and Delivery
- Extracellular Vesicles



DISEASE MODELING

- Preclinical Strategies, Models & Tools in Oncology
- Tumoroids for Oncology Research
- Tumor Models for Cancer Immunotherapy
- 3D Cellular Models
- iPS Cells for Disease Modeling and Drug Discovery
- CNS Disease Models