Poster Abstract Tracks/Topics (Review Groups)

AAPS **PharmSci 360** will combine all the energy of a large scientific conference with the intimacy of a small niche gathering.

There are five robust tracks covering all aspects of the pharmaceutical sciences, including both chemical and biomolecules.

IMPORTANT Note: in the submission site, the structure below; Track, Subtrack, Primary Topic, Subtopic, and Secondary Topic, are referred to as Review Groups. You will be prompted to select the Review Group that best fits your abstract.

Review Group (Track/Topic) Selection Process

1. Select the Track that best fits your research. *(see below)*

* Preclinical Development
* Bioanalytics
* Clinical Pharmacology
* Manufacturing and Bioprocessing
* Formulation and Quality

2. Select the Subtrack (Biomolecules or Chemical Entity).

3. Select the Primary Topic that best fits your research.

4. From your Primary Topic, select the best Subtopic for your research. If no listed term fits your research, select 'Other'. (*Note: There may not be a subtopic available for your Primary Topic.*)

5. If your Subtopic shows Secondary Topic choices, make the best selection. If no listed term fits your research, select 'Other'. (*Note: There may not be a Secondary Topic available for your Subtopic.*)

TRACK	SUBTRACK	PRIMARY TOPIC	SUBTOPIC	SECONDARY TOPIC
Bioanalytics	**Biomolecules**	ADCs and Peptide Quantification	Electrospray Ionization	
			Hybrid LBA/LCMS	
			Ligand Binding Assay (LBA)	
			Other	
		Bioanalytical Innovations and Applications		
			Biomarker/Pharmacodynamic Measurement	
			Methods to Assess Disease Heterogeneity	

		Biomarker Quantification	Target Engagement/Receptor Occupancy	
			Technologies other than LBA and Mass Spec (e.g., Flow, PCR)	
			Other	
		Drug Quantification	Endogenous Homologs Quantification	
			Other Methods/Techniques	
			Pharmacokinetic Measurements	Intact
				Free
				Surrogate
				Total
				Other
			Post-Marketing Commitment	
			Therapeutic Drug Monitoring	
		Immunogenicity	ADA Test Methods	
			Cell-Based Methodologies	
			Immunogenicity Risk Assessments	
			Neutralizing Antibody Methods	
			Other	
		In Vivo and Ex Vivo Biotransformation	Evaluation of Biotransormation In Vivo	
			Impact of Biotransformation on Immunogenicity	
			Impact of Biotransformation on PK	
			Molecule Variants Quantification Ex Vivo	
		Life Cycle Management of Bioanalytical Methods	Collaboration with Other Partners (Co-development)	
			General Life Cycle Management	
			Methods Transfer and CRO Management	
			Other	
		Novel Modalities	ADCs	
			Alternative Scaffold	
			CAR-T	
			Cell-Based Therapy	
			Encapsulated Drugs (Lipid, Nanoparticle, and Viral Vectors)	
			Multi-specific Antibodies	
			Nanoparticle Based Modalities	
			Oligos, RNAs and Locked Nucleic Acids	
			Other	
		Other		

		Reagents and Reference Standards	Life Cycle Management	
			Quality Control and Characterization	
			Stability	
			Other	
		Regulations (BMV/GLP/GCP/CLIA)	Biomarkers	
			Drug (and Metabolites)	
			GCP/GLP Compliance for Bioanalytical Labs	
			General Topics	
			ICH	
			Immunogenicity	
			Samples and Reagent Stability	
			Bioanalyticsl Risk Assessment and Strategy (Tiered Strategies)	
			Other	
		Samples and Laboratory Management	Laboratory Information Management System (LIMS)	
			Microsampling and Dried Blood Spots	
			Post-Collection Sample Condition and Record Management	
			Other	
		Vaccines	Methods/Techniques	
			Protective Titer Assessment	
			Other	
	Chemical Entities	ADCs and Peptide Quantification	Electrospray Ionization	
			Hybrid LBA/LCMS	
			Ligand Binding Assay (LBA)	
			Other	
		Analyte Stability	Ex Vivo	
			In Vitro	
			Other	
		Applications		
		Biomarker Quantification	Biomarker/Pharmacodynamic Measurement	
			Methods to Assess Disease Heterogeneity	
			Target Engagement/Receptor Occupancy	
			Technologies Other than Mass Spec (e.g., PCR)	
			Other	

		Drug Quantification	Endogenous Homologs Quantification	
			Other Methods/Techniques	
			Pharmacokinetic Measurements	
			Therapeutic Drug Monitoring	
		Immunogenicity	ADA Test Methods	
			Other	
		In Vivo and Ex Vivo Biotransformation	CYP450 Assessment	
			Evaluation of Biotransformation In Vitro or In Vivo	
			Impact of Biotransformation on Immunogenicity	
			Impact of Biotransformation on PK	
			Metabolite Quantification	
			Other	
		Life Cycle Management of Bioanalytical Methods	Collaboration with Other Partners (Co-development)	
			General Life Cycle Management	
			Methods Transfer and CRO Management	
			Other	
		Novel Modalities	Alternative Scaffold	
			Encapsulated Drugs (Lipid, Nanoparticle and Viral Vectors)	
			Multispecific Antibodies	
			Nanoparticle Based Modalities	
			Oligos and Locked Nucleic Acids	
			Other	
		Other		
		Reagents and Reference Standards	Life Cycle Management	
			Quality Control and Characterization	
			Stability	
			Other	
		Regulations (BMV/GLP/GCP/CLIA)	Biomarkers	
			Drug (and Metabolites)	
			GCP/GLP Compliance for Bioanalytical Labs	
			General Topics	
			ICH	
			Immunogenicity	
			Samples and Reagent Stability	
			Bioanalyticsl Risk Assessment and Strategy (Tiered Strategies)	
			Other	

		Samples and Laboratory Management	Informed Consent	
			Laboratory Information Management Systems (LIMS)	
			Microsampling and Dried Blood Spots	
			Post-collection Sample Condition and Record Management	
			Other	

TRACK	SUBTRACK	PRIMARY TOPIC	SUBTOPIC	SECONDARY TOPIC
Clinical Pharmacology	**Biomolecules**	Biostatistical Methodologies	Bayesian Methods	
			Regulatory Recommendations	
			Statistical Analysis Models	
			Statistical Reporting	
			Tools/Software	
			Other	
		Clinical Trials	Designs and Methodology	
			Dosing Strategies	
			Ethics in Clinical Trials	
			Modeling and Simulation	
			Monitoring	
			Patient Stratification	
			Regulatory Guidance	
			Other	
		Immunogenicity	ADA	
			Clinical Relevance	
			Neutralizing Antibody	
			Other	
		In Vitro Studies	ADME	
			Biomarkers/Pharmacodynamic Measures	
			Blood to Plasma Partitioning	
			Drug Transport and Drug Interactions	
			Genetic Variation/PGx Testing	
			Protein Binding	
			Other	
		Modalities	ADCs	
			Alternative Scaffold	
			CAR-T	
			Cell-Based Therapy	
			Encapsulated Drugs (Lipid, Nanoparticle and Viral Vectors)	
			Multispecific Antibodies	
			Nanoparticle-Based	
			Oligos, RNAs and Locked Nucleic Acids	
			Vaccines	
			Other	

		Modeling and Simulation	Absorption Model	
			Allometric Scaling	
			Comparator Modeling	
			Decision Making	
			Dose Project/Selection/Justification	
			Imaging Based Approach	
			In Vivo-In Vitro Correlation (IVIVC) Modeling	
			Maternal/Fetal PK Model	
			Pediatric Model	
			Pharmacometrics	
			Physiologically Based Pharmacokinetics (PBPK) Model	
			PK/PD Modeling	
			Population PK Modeling	
			Quantitative Systems Pharmacology (QSP)	
			Tools/Software	
			Other	
		Other		
		Regulatory Guidance/Submissions	CDISC	
			Clinical Study Reports (CSRs)	
			Clinical Trial Protocols	
			CTD/eCTD Models 1 to 5	
			Data Management	
			FDA/EMA/PMDA Meetings	
			Labeling	
			NDA/BLA/ANDA Submissions	
			Safety	
			Other	
		Type of Human Studies	Bioequivalence/Biosimilars	
			Diseased Population	
			Drug-Drug Interaction (DDI)	
			First-Time-in-Human (FTIH)	
			Food Effect	
			Geriatric	
			Multiple Ascending Dose (MAD)	
			Pediatric	
			Radio-Labeled Mass Balance and ADME	
			Relative and Absolute BA	
			Single Ascending Dose (SAD)	
			Thorough QT/QTc (TQT)	
			Other	

	Chemical Entities	Biostatistical Methodologies	Bayesian Methods	
			Regulatory Recommendations	
			Statistical Analysis Models	
			Statistical Reporting	
			Tools/Software	
			Other	
		Clinical Trials	Designs and Methodology	
			Dosing Strategies	
			Ethics in Clinical Trials	
			Modeling and Simulation	
			Monitoring	
			Patient Stratification	
			Regulatory Guidance	
			Other	
		In Vitro Studies	ADME	
			Biomarkers/Pharmacodynamic Measures	
			Blood to Plasma Partitioning	
			Drug Transport and Drug Interactions	
			Genetic Variation/PGx Testing	
			Protein Binding	
			Other	
		Modeling and Simulation	Absorption Model	
			Allometric Scaling	
			Comparator Modeling	
			Decision Making	
			Dose Project/Selection/Justification	
			Imaging Based Approach	
			In Vivo-In Vitro Correlation (IVIVC) Modeling	
			Maternal/Fetal PK Model	
			Pediatric Model	
			Pharmacometrics	
			Physiologically Based Pharmacokinetics (PBPK) Model	
			PK/PD Modeling	
			Population PK Modeling	
			Quantitative Systems Pharmacology (QSP)	
			Tools/Software	
			Other	

		Regulatory Guidance/Submissions	CDISC	
			Clinical Study Reports (CSRs)	
			Clinical Trial Protocols	
			CTD/eCTD Models 1 to 5	
			Data Management	
			FDA/EMA/PMDA Meetings	
			Labeling	
			NDA/BLA/ANDA Submissions	
			Safety	
			Other	
		Type of Human Studies	Bioequivalence/Biosimilars	
			Diseased Population	
			Drug-Drug Interaction (DDI)	
			First-Time-in-Human (FTIH)	
			Food Effect	
			Geriatric	
			Multiple Ascending Dose (MAD)	
			Pediatric	
			Radio-Labeled Mass Balance and ADME	
			Relative and Absolute BA	
			Single Ascending Dose (SAD)	
			Thorough QT/QTc (TQT)	
			Other	

TRACK	SUBTRACK	PRIMARY TOPIC	SUBTOPIC	SECONDARY TOPIC
Formulation and Quality	**Biomolecules**	Administration	In-Use Compatibility	
			Nasal/Pulmonary	
			Ocular	
			Otic	
			Strategies	
			Trans-dermal	
			Other	
		Analytical	(Sub)Visible Particles	
			Excipients	
			Impurities	
			Modality Specific Methods	Cell Therapy
				Free Oligonucleotide
				Gene Therapy
				Protein
				Vaccine/Tolerance Induction
				Other
			New Technology	
			Potency/Bioassay	
			Other	
		Drug Delivery	Extended Release (Non-implant)	
			Implants	
			Other Routes of Administration	Ocular
				Otic
				Trans-dermal and Topical
				Other
			Other	
		Drug Delivery, Devices, and Drug Device	Design Control	
			Hardware	
			Human Factor Engineering	
			New Delivery Technologies	
			Patient-Centric Development	
			Software	
		Formulation	Cell Therapy	
			Free Oligonucleotide	
			Gene Therapy	
			Protein	Developability Assessment
				Excipients
				General Liquid Formulation Topics
				Syringes
				High-Throughput Screening
				Lyo
				Other

			Vaccine/Tolerance Induction	
			Other	
		Other		
		Primary Packaging	Compatibility	
			Container Closure Integrity	
			Extractables/Leachables	
			New Materials	
		Regulatory Considerations	(Sub)visible Particles	
			Accelerated Approval Pathways	
			Bioequivalence	
			Biosimilars	
			Innovative Technologies	
			Inspections and GMP's	
			Large Market Developments	
			New Regulations and Guidances	
			Risk Assessment Implementation	
			Smaller Market Developments	
			Stability Requirements	
	Chemical Entities	Analytical	Drug Release Measurement	Biorelevant Dissolution
				Cascade Impaction
				Dissolution
				Drug Release from Other Dosage Forms
				Other
			Excipients	
			Impurities and Degradation	Forced Degradation
				Impurity Quantitation
				In Silico Predicsion of Stability
				Other
			Method Development Strategies	
			New Analytical Technologies	
			Process Analytical Technology and Continuous Release Testing	
			Other	
		Biopharmaceutics	BCS, DCS	
			Bioequivalence (also Regulatory)	
			Comparability Assessments	
			IVIVC	
			Predictive Modeling	
			Other	

		Drug Delivery	Extended Release (Non-implant)	
			Implants	
			Other Routes of Administration	Ocular
				Otic
				Trans-dermal and Topical
				Other
			Other	
		Drug Delivery, Devices, and Drug Device	Design Control	
			Hardware	
			Human Factor Engineering	
			New Delivery Technologies	
			Patient-Centric Development	
			Software	
		Formulation	Amorphous and Co-crystal Systems	
			Bioavailability Enhancement	
			Drug Substance Properties	
			Excipients	
			Fixed Dose Combinations	
			Inhalation and Nasal	
			Oral	Immediate Release
				Modified Release
			Parenterals	
			Preformulation	
			Special Populations	
			Other	
		Other		
		Primary Packaging	Compatibility	
			Container Closure Integrity	
			Extractables/Leachables	
			New Materials	
		Regulatory Considerations	(Sub)visible Particles	
			Accelerated Approval Pathways	
			Bioequivalence	
			Biosimilars	
			Innovative Technologies	
			Inspections and GMP's	
			Large Market Developments	
			New Regulations and Guidances	
			Risk Assessment Implementation	
			Smaller Market Developments	
			Stability Requirements	

TRACK	SUBTRACK	PRIMARY TOPIC	SUBTOPIC	SECONDARY TOPIC
Manufacturing and Bioprocessing	**Biomolecules**	Automation	Computer Validation	
			Other	
		Biosimilar Manufacturing	Biosimilarity Assessment	
			Patent Protection	
			Other	
		Drug Product Manufacturing and Development	Aseptic Technologies and Sterilization	Filling
				Filtration
				Mixing
				Other
			Cell Therapies	
			Freezing and Thawing	
			Lyophilization and Drying Technologies	
			Manufacturing and Assembly of Drug/Device Combinations	
			Manufacturing of Drug Delivery Systems	
			Primary Packaging	Container Closure Integrity
				Syringes
				Vials
				Other
			Process Optimization	
			Protein Aggregation during Processing and Immunogenicity	
			Secondary Packaging	
			Storage Considerations	
			Vaccines	
			Viral and Non-viral Vectors and Gene Therapy	
			Visible and Subvisible Particles	
			Visual Inspection	
			Other	
		Drug Substance Manufacturing and Development	API Packaging and Storage	
			Cell Line Development	
			Cell Therapies	
			Clonality Assessments	
			Expression Systems	
			Genetic and Cell Line Engineering	
			Mammalian Cell Fermentation	
			Media Development	
			Microbial/Yeast Fermentation	
			Process Optimization	

			Protein Aggregation during Processing and Immunogenicity	
			Purification and Virus Removal	
			Vaccines	
			Viral and Non-viral Vectors and Gene Therapy	
			Other	
		General Aspects and Strategies	Change Control	
			CMO Management	
			Drug Master Files	
			Drug Substance and Drug Product Shipment	
			Electronic Records	
			Handling Control Substances (DEA)	
			Inspections and GMP	
			Lean Manufacturing	
			Life Cycle Management	
			Manufacturing Economics	
			Materials Management and Warehousing	
			Regulatory Strategy	
			Supply Chain	
			Other	
		Health, Safety, and Environment	Containment and Isolators	
			High-Potent Drug Manufacturing	
			OEL and PDE	
			Other	
		Innovative/Novel Processing Technologies and Concepts	For Use in Drug Product Manufacture	
			For Use in Drug Substance Manufacture	
			Other	
		Integrated and Continuous Processing and Manufacturing	For Use in Drug Product Manufacture	
			For Use in Drug Substance Manufacture	
			Other	
		Manufacture of Clinical Supplies	Blinding of Comparator Drugs	
			Phase Appropriate GMP	
			Other	
		Other		

		Plant Engineering and Maintenance	Clean Media	
			Facility Design	
			Media	
			Media Fills	
			Modeling and Scheduling Multiproduct Batch Plants	
			Modular Manufacturing	
			Plant Incident Investigations	
			Other	
		Process Design and Controls	Cleaning Validation	
			Control of Impurity Formation	
			In-Process Controls	
			Process Analytical Technology and Parametric/Real-Time Release	
			Process Modeling and Simulations	
			Process Validation	
			QbD and Assessment of Process Parameters	
			Scale-Up/Process Transfers	
			Statistical Process Controls and Six Sigma	
			Use of Prior Knowledge and Risk-Based Approaches	
			Other	
		Single-Use and Disposable Systems	For Use in Drug Product Manufacture	
			For Use in Drug Substance Manufacture	
			Leachables and Extractables	
			Other	
	Chemical Entities	Automation	Computer Validation	
			Other	
			Aseptic Technologies and Sterilization	Filling
				Filtration
				Mixing
				Other
			Freezing and Thawing	
			Liquids Manufacture	Oral and Topical Liquids
				Other
			Lyophilization and Drying Technologies	
			Manufacturing and Assembly of Drug/Device Combinations	
			Manufacturing of Aerosols and DPI	
			Manufacturing of Drug Delivery Systems	

		Drug Product Manufacturing and Development	Primary Packaging	Blisters
				Bottles
				Container Closure Integrity
			Process Optimization	
			Secondary Packaging	
			Semi-solids Manufacture	Cremes
				Nanoemulsions, Nanocapsules, Liposomes, Solid Lipid Nanoparticles
				Other
			Solids Manufacture	Capsules
				Powders
				Tablets and Granules
				Other
			Storage Considerations	
			Visual Inspection	
			Other	
		Drug Substance Manufacturing and Development	API Kilo Lab	
			API Packaging and Storage	
			Control of Impurity Formation	
			Crystal Structure/Polymorph Screening	
			Crystallization Development	
			Filtration	
			Genotoxic Impurities	
			Milling and Micronization Technologies	
			Particle Size Control	
			Process Chromatography	
			Process Optimization	
			Purification	
			Other	
		General Aspects and Strategies	Change Control	
			CMO Management	
			Drug Master Files	
			Drug Substance and Drug Product Shipment	
			Electronic Records	
			Handling Control Substances (DEA)	
			Inspections and GMP	
			Lean Manufacturing	
			Life Cycle Management	
			Manufacturing Economics	
			Materials Management and Warehousing	

			Regulatory Strategy	
			Supply Chain	
			Other	
		Generic Manufacturing	Patent Protection	
			Pharmaceutical Equivalence Assessment	
			Other	
		Health, Safety, and Environment	Containment and Isolators	
			Explosion Protection	
			Green Chemistry	
			High-Potent Drug Manufacturing	
			OEL and PDE	
			Solvent Recovery	
			Other	
		Innovative/Novel Processing Technologies and Concepts	For Use in Drug Product Manufacture	
			For Use in Drug Substance Manufacture	
			Other	
		Integrated and Continuous Processing and Manufacturing	For Use in Drug Product Manufacture	
			For Use in Drug Substance Manufacture	
			Other	
		Manufacture of Clinical Supplies	Blinding of Comparator Drugs	
			Phase Appropriate GMP	
			Other	
		Other		
		Plant Engineering and Maintenance	Clean Media	
			Facility Design	
			Media	
			Media Fills	
			Modeling and Scheduling Multiproduct Batch Plants	
			Modular Manufacturing	
			Plant Incident Investigations	
			Other	
			Cleaning Validation	
			Control of Impurity Formation	
			In-Process Controls	
			Process Analytical Technology and Parametric/Real-Time Release	

		Process Design and Controls	Process Modeling and Simulations	
			Process Validation	
			QbD and Assessment of Process Parameters	
			Scale-Up/Process Transfers	
			Statistical Process Controls and Six Sigma	
			Use of Prior Knowledge and Risk-Based Approaches	
			Other	
		Single-Use and Disposable Systems	For Use in Drug Product Manufacture	
			For Use in Drug Substance Manufacture	
			Leachables and Extractables	
			Other	

TRACK	SUBTRACK	PRIMARY TOPIC	SUBTOPIC	SECONDARY TOPIC
Preclinical Development	**Biomolecules**	ADME	In Vitro	Metabolizing Enzymes
				Protein Binding
				Transporter
				Other
			In Vivo	
			Pharmacokinetics	
			Other	
		Discovery	Biology	In Silico
				In Vitro
				In Vivo
				Receptor/Target Interactions
				Target Identification
				Other
			Biology/Efficacy	In Silico
				In Vitro
				In Vivo
			Chemistry	Structure Activity Relationships
				Other
			Conjugation	
			Novel Drug Modality	
			Payload-Linker Identification/Optimization	
			Protein/Gene Engineering and Expression	
			Receptor/Target Interactions	
			Structure Activity Relationships	
			Target Identification and Selection	
			Vaccines	Antigen Evaluation
				Disease and Pathogen Evaluation
				Immunogenicity
				Innate/Adaptive Immunity
				Novel Delivery Strategies
				Parasite Biology
				Preclinical Formulation and Adjuvants
				Other
			Other	
		OMICS	Genomics	
			Metabolomics	
			Proteomics	
		Other		

		Safety	Cellular and Molecular Toxicity	
			De-risking Strategies	
			Immuno-toxicity	
			IND Enabling Studies	
			Mechanistic Toxicity	
			Screening Toxicity Studies	
			Other	
		Translation	Drug-Drug Interactions	
			Human Dose Projections	Allometric
				(PBPK)
				Other
			Model Based Drug Development	
			PK/PD	
			Other	
	Chemical Entities	ADME	In Vitro	Metabolizing Enzymes
				Protein Binding
				Transporter
				Other
			In Vivo	
			Pharmacokinetics	
			Other	
		Discovery	Biology	In Silico
				In Vitro
				In Vivo
				Other
				Receptor/Target Interactions
				Target Identification
			Chemistry	Structure Activity Relationships
				Other
			In Silico	
			In Vitro	
			In Vivo	
			Novel Drug Modality	
			Target Interactions	
			Other	
		OMICS	Genomics	
			Metabolomics	
			Proteomics	
		Other		

		Safety	Cellular and Molecular Toxicology	
			De-risking Strategies	
			Immuno-toxicity	
			IND Enabling Studies	
			Mechanistic Toxicity	
			Screening Toxicity Studies	
			Other	
		Translation	Drug-Drug Interactions	
			Human Dose Projections	Allometric
				Physiologically Based Pharmacokinetics (PBPK)
				Other
			Model Based Drug Development	
			PK/PD	
			Other	