

**AAPS Sections
Concentrate Your
AAPS Experience —**

**Choose the
Section that's right
for you**



AAPS Sections are composed of members who share interests in broad areas of the pharmaceutical sciences. AAPS Sections unite scientific disciplines into forums to share scientific discoveries, explore, communicate and disseminate research findings, change ideas, present scientific data, and examine regulatory and ethical concerns.



**DEVELOPING SCIENCE.
IMPACTING HEALTH.**

AAPS Sections

APQ SECTION

Analysis and Pharmaceutical Quality

The Analysis and Pharmaceutical Quality (APQ) Section provides an open forum for the discussion and dissemination of scientific developments, technologies, and regulatory knowledge regarding analytical technologies associated with pharmaceutical and biomedical analysis. The section also encourages the publication of analytical research and pertinent data in the official AAPS and APQ journals, and fosters graduate education and professional development for section members.

BIOTEC SECTION

Biotechnology

The Biotechnology (BIOTEC) Section is comprised of members from diverse backgrounds in industry, academia, and government who share a common interest in the rapidly evolving field of biotechnology. The primary goal of this section is to unite individuals from multiple scientific disciplines in a forum where they can address issues, share information, and experimental findings, as well as provide education and training for research, development, and commercialization of new biopharmaceuticals. Successful R&D, manufacturing, delivery, and commercialization of biotechnology derived drugs requires input and participation from scientists across diverse fields, including modern biochemistry and molecular biology, cell culture, formulation sciences, drug delivery, analytical biochemistry and immunology, pharmacokinetics, metabolism, regulatory affairs, and clinical science.

CPTR SECTION

Clinical Pharmacology and Translational Research

The Clinical Pharmacology and Translational Research (CPTR) Section provides the clinical research dimension within the comprehensive range of pharmaceutical sciences represented in AAPS and is concerned with developing knowledge and

understanding related to the clinical use of pharmaceuticals (chemical agents and biological agents). The CPTR Section serves as a forum for those scientists engaged in research on the therapeutics and clinical assessment of drugs and biologicals. This section addresses the rational application of pharmaceutical and related sciences in the clinical setting, including the following: experimental design, conduct and analysis of clinical trials; regulatory aspects of clinical trials and drug registration; risk assessment, therapeutic extrapolation from animals to humans; pharmacoepidemiology; drug interactions; and in appropriate populations, therapeutic efficacy/safety and the response to alternative dosage forms. The CPTR Section provides an opportunity for interaction between scientists in academia, government, and industry who are engaged in clinical research. The section facilitates the interaction of AAPS members with scientists from other clinical organizations using joint formats such as symposia, workshops, and regional/national meetings.

DDD SECTION

Drug Design and Discovery

The Drug Design and Discovery (DDD) Section encourages the generation of knowledge concerning the chemistry, biochemistry, and pharmacological actions of synthetic and naturally occurring medicinal agents. Research activities leading to this knowledge involve synthesis, drug design, and targeting using molecular modeling, use of microbial or mammalian enzyme systems for the prediction and production of mammalian drug metabolites, isolation of biologically active natural products from plant, animal, and microbial sources and their characterization through modern spectroscopic methods, as well as the relation of chemical structure and subsequent modification to pharmacological activity. An objective of the DDD Section is to provide a forum for an interaction among scientists from academia as well as from industry through section-sponsored symposia, workshops, seminars, and contributed paper sessions held at annual meetings.

FDD SECTION

Formulation Design and Development

The Formulation Design & Development Section is comprised of members who share a common interest in the area of formulation design, research and development. The primary goal is to unite multiple scientific disciplines in a forum where they can share

experimental results, consider new formulation and dosage form technologies, and discuss issues and concerns regarding the design and development of formulations/drug products for all dosage forms. Aspects include the study of dosage forms for drug delivery via all routes of administration wherein the dosage form encompasses the formulation, process by which it is made, and primary packaging. The Section's focus on development includes product design, delivery systems and technology, stability, quality, and performance both *in vitro* and *in vivo* that is appropriate to its development stage.

MSE SECTION

Manufacturing Science and Engineering

The Manufacturing Science and Engineering (MSE) Section of AAPS brings together all members who are interested in and contribute to the application and advancement of science and technology as it relates to the process development and manufacture of pharmaceutical and pharmaceutically related products including medical devices and active pharmaceutical ingredients. It will provide a forum for exchange of information and networking between members and with members of allied sections and organizations. Areas of specific interest include pharmaceutical product manufacturing (both investigational and commercial), quality assurance and engineering principles as applied to manufacturing, process optimization, scale-up and technology transfer, and quality systems including manufacturing technical support and quality by design.

PPB SECTION

Physical Pharmacy and Biopharmaceutics

The Physical Pharmacy and Biopharmaceutics (PPB) Section is composed of AAPS Members whose scientific interests are in the physicochemical and biological factors that impact the design and delivery of small molecules and biologics. PPB is a multidisciplinary section that focuses on preformulation, biopharmaceutics, drug absorption, nanotechnology, and drug delivery systems design and performance including targeted drug delivery. PPB provides an interactive forum for the exchange of information pertaining to the selection of developable drug candidates at the drug discovery-development interface, characterization of drug substance and excipients, studies of relationships between drugs' physicochemical and biopharmaceutical properties and physiological considerations at the cellular, organ, and whole animal levels, and overcoming drug absorption and delivery barriers via drug delivery technologies.

PPDM SECTION

Pharmacokinetics, Pharmacodynamics, and Drug Metabolism

The Pharmacokinetics, Pharmacodynamics, and Drug Metabolism (PPDM) Section brings together qualified individuals investigating or interested in drug and clinical action, disposition, and biotransformation. This section sustains a forum for the deliberation of issues related to biopharmaceutics, pharmacokinetics, and pharmacodynamics of new and existing drugs. PPDM provides an opportunity for presentation of new developments and for exchange of ideas by individuals engaged in various facets of pharmacokinetics, pharmacodynamics, drug metabolism, biopharmaceutics, and related sciences, facilitating the advancement of their field of activity. A further objective of the PPDM Section is to promote interaction between academia, industry, and regulatory bodies via sponsorship of workshops, symposia, and seminars.

RS SECTION

Regulatory Sciences

The Regulatory Sciences (RS) Section is the strategic compilation of multidisciplinary information on product performance as it pertains to pharmaceutical safety, efficacy, and quality. The RS Section addresses issues regarding regulatory research, including research aimed at bridging the gap between scientific research and regulatory challenges. The section also focuses on regulatory affairs that support the development of science-based regulations to help agencies better meet the needs of protecting public health and environmental safety.



BENEFITS FROM YOUR SECTION MEMBERSHIP:

*Share Experiment Results,
Explore and Disseminate
Research Findings, Exchange
Ideas, Present Scientific Data,
and Examine Regulatory and
Ethical Concerns.*



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