

JPAG future events

Thursday 25th January 2024

Oligonucleotides - Stuck in the middle with you

Royal Society of Chemistry, London

They aren't quite big, but they're certainly not small. As such oligonucleotides present a unique challenge to pharmaceutical scientists and engineers; as well as a massive opportunity.

JPAG and the APS Materials Science focus group will be working together to deliver a joint seminar which will address the discovery and manufacturing challenges of oligonucleotide processing, from the joint perspectives of small and large molecule analytics and materials science.

Split across two sessions (morning and afternoon) we will look at the unique challenges and massive opportunity of oligos through the lenses of small and large molecule approaches.

Download the Brochure and register now at www.jpag.org/cp165

Thursday 21st March 2024

Considering the raw materials: API & Excipients

Royal Society of Chemistry, London

Raw materials, APIs and excipients play an important role in the manufacturing of pharmaceutical products therefore it is important to assess and monitor quality of these materials throughout the product lifecycle. This symposium will present an overview of testing and risk assessment of these pharmaceutical product components throughout the life cycle with presentations and a panel discussion covering topics related to our key themes below:

- pharmacopoeial monographs for assessing raw materials
- regulatory perspectives (ICH Q7, ICH Q11) covering aspects for small molecules, biologics and ATMPs
- risk assessment of raw materials
- Good Manufacturing Practice
- physical testing including incoming receipt of API & excipients
- method optimisation and development
- stability of APIs
- supply chain impact & resilience
- sustainability

The meeting is open to the submission of "poster abstracts for Mar-24" and "questions for the Mar-24 panel" in line with the above proposed key themes, as per our guidance on the information page.

Register now at www.jpag.org/cp170

Thursday 16th May 2024

Paediatrics Formulation

Royal Society of Chemistry, London

Development of paediatric formulations is linked to many challenges related to safety, efficacy, acceptability and patient adherence. The latter is a major challenge often dismissed in studies that particularly focus on the safety and efficacy of medicines. In addition, adherence can vary depending on the formulation and route of administration e.g. oral, parenteral, inhalation, etc...

This symposium focuses on integrated approaches across academia and industry to address challenges in the development, safety and efficacy of paediatric formulations and may include the key themes below:

- Safety of excipients in paediatric formulations
- Age appropriate formulations
- Challenges in paediatric drug delivery and clinical trials
- Advances in oral paediatric medicines (e.g. 3D printed tablets, Alder Hey teddy bear tabs, minitabs)
- Novel drug delivery devices
- Formulation development and characterisation of paediatric formulations
- Analysis of yet smaller levels of analytes and impurities
- Taste assessment of formulation: acceptability versus safety
- Invitro testing using robotic devices
- Inhalation devices for paediatrics

The meeting is open to the submission of abstracts for oral presentations or posters in line with the above proposed key themes.

Register now at www.jpag.org/cp171

Thursday 11th July 2024

Laboratories of the Future

Royal Society of Chemistry, London

The integration of the pharmaceutical industry with Industry 4.0 boosted pharmaceutical development that became digitised and has connected industry in all aspects related to manufacturing, product development and testing. As such automation, robotics, big data and machine learning have become key players in the pharmaceutical product lifecycle. This symposium will highlight the advancement of laboratories in terms of quality and efficiency in Industry 4.0 relating to automation, artificial intelligence, big data, blockchain and robotics.

Key themes could include:

- Evolution of pharmaceutical processes from industry 1.0 to 4.0
- Smart manufacturing systems: Pros and Cons
- Enhancing pre-clinical and clinical studies with artificial intelligence
- Fundamentals of in silico testing
- Managing analytical workflow in digital laboratories
- Role of click chemistry in product development
- Robot arms in sample preparation and measurement
- Use of analytical software in Smart Phone Apps
- Machine learning and Artificial Intelligent for analysis of pharmaceutical data
- Development of biomarkers for monitoring human health
- Personalised medicines and dosage forms
- Sustainability – not fully embedded? Driver for change?

The meeting is open to the submission of abstracts for oral presentations or posters in line with the above proposed key themes.

Register now at www.jpag.org/cp172

Interested in any of these meetings?

Please visit the JPAG website for full details at www.jpag.org

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