Safety Pharmacology Society Webinar:

*In Vitro Assays and Current Industry Trends*

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Director - Safety Pharmacology and Veterinary Science
CIToxLAB North America
News from SPS

- New Webcast Now Available on the SPS Website
- Expert presentations:
  - Takashi Yoshinaga, Ph.D., Eisai Co., Ltd.
    QT risk assessment using human embryonic stem cell-derived cardiomyocytes in the early stage of drug discovery
  - Blake D. Anson, Ph.D., Cellular Dynamics International, Inc
    Advances in Safety Pharmacology: Utilizing iPSC-derived cardiomyocytes in early stage safety pharmacology investigations
News from SPS

- Publication on **Safety Pharmacology in Toxicology: An Industry Survey** is now available on-line

  Simon Authier, Hugo M. Vargas, Mike J. Curtis, Mark Holbrook, Michael K. Pugsley
Reducing Safety Related Attrition - Increasing Likelihood of Success:
- Target Related Safety
- Chemistry (molecule) & Off-target (selectivity) Related Safety
- Novel Approaches to Safety Screening

Expanding the Frontiers of Safety Pharmacology:
- Support to Late Stage Drug Development (Phase II onwards)
- Safety Assessment Evaluation of Nonconventional Therapeutic Modalities
- Safety Pharmacology beyond Small Molecules
- Population-Based Risk Assessment

Improving Support to Clinical Development:
- Anticipation of ADRs and Dose Limiting Toxicity

Translation of Safety Pharmacology Findings to Humans
- Best Practice – Comparing Safety Pharmacology as “stand alone” to SP-endpoint inclusion in Toxicology – Pharma, Regulators and Academia
Expanded presentation at the Annual Meeting on:

Reducing Safety Related Attrition - Increasing Likelihood of Success: Application of *in vitro* pharmacological profiling to reduce safety-related attrition

By Dr. Gareth Waldron
Various Accreditations are available in Toxicology (DABT and ERT)

The Safety Pharmacology Society launched a Certification specific to our field:

**Diplomate of Safety Pharmacology Society: DSPS**

First Accreditation Examination at the SPS Annual Meeting 2013 in Rotterdam

Information available on the SPS website

http://www.safetypharmacology.org/diplomate.asp

- Registration now open!
The 28th annual meeting of the British Society of Toxicological Pathology (BSTP) will be a themed meeting held jointly with the Safety Pharmacology Society (SPS), and sponsored by the Health and Environmental Sciences Institute (HESI).

*Online registration now open:*

www.bstp.org.uk

2-day conference
16 speakers from pharma companies, CROs, academia and MHRA
Case studies
2 technology showcases; exhibitors; posters

Programme organisers: Steph Klein / Will Redfern (Global Safety Assessment, AstraZeneca)
Agenda

- Expert presentations:
  - Dr Joanne Bowes from AstraZeneca
    Cross-industry experience of application of *in vitro* pharmacological profiling to reduce safety-related attrition
  - Dr Arthur Buzz Brown from Chantest
    *In Vitro Assays & Current Industry Trends*
  - Dr Michel Pare from PhylogenX
    Bridging the species-difference gap and expertise in translational science electrophysiology for the peripheral nervous system

- Questions and Discussions with the Panel Members