SCIENTIFIC UPDATE

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PRECLINICAL SAFETY ASSESSMENT AND MITIGATION STRATEGIES IN DRUG DISCOVERY

19-20 MARCH 2019

Boston, MA USA
Boston Metro
Meeting Center

NEW COURSE!

A 1 1/2 day course given by
Dr Bryan H. Norman

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PRECLINICAL SAFETY ASSESSMENT AND MITIGATION STRATEGIES IN DRUG DISCOVERY

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Multiple attendees discounts **UP TO 15% available**

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OUTLINE

- Principles of toxicology and safety assessment.
- The Investigational New Drug (IND) application.
- Target assessment, predictive toxicology and in silico methods.
- Preferred drug properties to minimize toxicological risks.
- Common off-target safety concerns and mitigation.
- Managing on-target safety concerns.
- Pharmacokinetics in preclinical safety assessment.
- Drug metabolism and bioactivation.
- Toxicophores and Structure Alerts.
- Mechanisms and mitigation strategies for Drug-Induced Liver Injury (DILI).
- Preclinical safety biomarkers and translation to the clinic.
- Safety assessment and flow scheme design in lead optimization.
- Clinical candidate selection and FHD enablement.

COURSE INTRODUCTION

The discovery of new therapeutic agents is met with significant challenges in preclinical discovery and development. Both efficacy and safety endpoints must be adequately assessed prior to testing a new investigational agent in humans. Perhaps the most challenging part of drug discovery is the mitigation of safety risks that arise during most drug discovery optimization efforts. Successful drug discovery teams will properly design and execute experiments that can best assess and discharge risks prior to first human dose (FHD), in the context of anticipated human drug exposures. This course begins with a description of the finish line for preclinical drug hunters--the successful filing of an Investigational New Drug (IND) application to regulatory agencies, such as the FDA or EMA. From there, it explores the current best practices and methods used to identify, understand and mitigate common preclinical safety risks from both a strategic and tactical perspective. Importantly, the course also describes proactive approaches that can help scientists avoid many safety issues and deliver safe small molecule drug candidates in the shortest time possible. While the course has a strong emphasis on mitigation strategies achieved through medicinal chemistry, the content describes methods that are valuable to all disciplines within a cross functional drug discovery team.

WHO SHOULD ATTEND?

Medicinal chemists, toxicologists, biologists, pharmacologists, pharmacokineticists and program managers will all gain valuable insights into modern preclinical safety assessment strategies. The participation of multiple disciplines encourages cross functional learning through interactive team sessions.

VENUE

The Metro Meeting Centers
101 Federal Street, 4th Floor
Boston
MA 02110
USA
(617) 737 1200

www.metromeetingcenters.com

Transport

Metro Meeting Centers is 10 minutes from Boston's Logan International Airport and within a short distance to public transportation.

A list of nearby hotels will be sent to you when you register.

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Start 9.00am - Tuesday 19 March
Finish 12.00 noon - Wednesday 20 March

Course Fee: $1,395
Which includes comprehensive course manual, refreshments throughout the day and lunch.

Course Fee: $1,395

COURSE TUTOR

Dr Bryan H. Norman

Bryan H. Norman received his Ph.D. at Emory University and was an NIH Postdoctoral Fellow at Penn State University. After three years at Monsanto/Searle, Bryan joined Eli Lilly and Company in 1993, where he led multiple cross functional drug discovery efforts, many of which culminated in clinical candidates for oncology, endocrine and pain indications. In addition to his expertise in medicinal chemistry, Bryan has significant cross functional drug discovery experience and expertise in additional disciplines, such as biomarkers, pharmacokinetic/pharmacodynamic (PK/PD) relationships, mechanisms of drug metabolism and toxicology.

He has specific expertise in the mechanisms and mitigation strategies to avoid drug-induced liver injury (DILI). The breadth of his background has led to his service on many Due Diligence teams to assess potential in-license opportunities. Bryan is a Volume Editor and serves on the Editorial Board of Burger's Medicinal Chemistry, Drug Discovery and Development. He is currently on the Board of Directors of the Medicinal and Bioorganic Chemistry Foundation and serves on various grant review committees.

He has published over 45 papers in peer-reviewed scientific journals and given many invited lectures at scientific conferences and universities. His most recent research interests have focused on the identification of mechanisms associated with drug-induced liver injury and the discovery of novel analgesic agents for use in chronic pain.

IN-HOUSE COURSE

For 8+ people contact us to discuss holding this event In-House - **sciup@scientificupdate.com**

REGISTRATION

You can either use our fast online booking system or mail or fax the attached registration form to:
Scientific Update
Maycroft Place, Stone Cross, Mayfield,
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When you register online, you can have the option to pay via credit card (Mastercard or Visa). A receipted invoice will be automatically generated once paid and sent via email. Should your company wish to pay by cheque or bank transfer bank details will be supplied with an invoice.

Bank Transfer or Cheque
Should your company wish to pay by cheque or bank transfer, on booking you can choose between paying in either €, $ or £. All bank details will be supplied with an invoice.

Group Discounts
Group discounts are available on two or more attendees - see registration form. This offer only applies if bookings are made simultaneously and from the same billing address.

Confirmation of your registration
These will be sent via email.

Late Applications
For late applications, please register online or fax the completed registration form, including credit card payment information.

Cancellations/Refunds
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PRECLINICAL SAFETY ASSESSMENT AND MITIGATION STRATEGIES

19-20 March 2019 Boston, MA USA

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