

EFMC Short Course - Improving Compound Quality: Physical Chemistry and DMPK Properties in Drug Discovery. Principles, Assays and Predictions

Programme

Sunday March 22, 2009

18:00 Dinner

EFMC Short Course - Improving Compound Quality: Physical Chemistry and DMPK Properties in Drug Discovery. Principles, Assays and Predictions

Programme

Monday March 23, 2009

- | | |
|--------------|---|
| 08:30 | Introduction to compound quality
Dr. Han VAN DE WATERBEEMD
(, Saint Andre, France) |
| 10:00 | Coffee |
| 10:30 | Importance of physical chemical drug properties: pKa, lipophilicity, solubility
Dr Andy DAVIS
(ASTRAZENECA, Mölndal, Sweden) |
| 12:30 | Lunch |
| 13:30 | Measurement of physchem properties
Dr. Barbara MASON
(PHYSICHEM CONSULTING, United Kingdom) |
| 15:00 | Tea |
| 15:30 | Basics of QSAR modeling
Dr Andy DAVIS
(ASTRAZENECA, Mölndal, Sweden) |
| 19:30 | Dinner |

EFMC Short Course - Improving Compound Quality: Physical Chemistry and DMPK Properties in Drug Discovery. Principles, Assays and Predictions

Programme

Tuesday March 24, 2009

- | | |
|-------|---|
| 08:30 | In silico ADMET
Dr. Han VAN DE WATERBEE MD
(, Saint Andre, France) |
| 10:00 | Coffee |
| 10:30 | Estimation of oral absorption and bioavailability
Dr. Han VAN DE WATERBEE MD
(, Saint Andre, France) |
| 12:00 | Lunch |
| 13:30 | Importance of adequate pharmacokinetics: F, A, Vd, CL, t_{1/2}, ppb
Dr Don WALKER
(PFIZER, Sandwich, United Kingdom) |
| 15:00 | Tea |
| 15:30 | DMPK assays and their interpretation for drug design teams
Dr Don WALKER
(PFIZER, Sandwich, United Kingdom) |
| 19:30 | Dinner |

EFMC Short Course - Improving Compound Quality: Physical Chemistry and DMPK Properties in Drug Discovery. Principles, Assays and Predictions

Programme

Wednesday March 25, 2009

08:30 **Prediction of drug metabolism**

Prof. Bernard TESTA
(UNIVERSITY HOSPITAL CENTRE, Lausanne, Switzerland)

10:00 **Coffee**

10:30 **Role of drug metabolism and transporters in drug design: assays, technologies, interpretation**

Dr. Chris KOHL
(ACTELION, Allschwill, Switzerland)

12:00 **Basic knowledge on drug metabolism (reactions, enzymes), reactive metabolites, factors affecting drug metabolism, mDDI, prodrug design**

Prof. Bernard TESTA
(UNIVERSITY HOSPITAL CENTRE, Lausanne, Switzerland)

13:00 **Lunch**

14:00 **Course end**