

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

Programme

Sunday March 22, 2009

Dinner

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Monday March 23, 2009

Introduction to compound quality

Dr. Han VAN DE WATERBEEMD
(, Saint Andre, France)

Coffee

Importance of physical chemical drug properties: pKa, lipophilicity, solubility

Dr Andy DAVIS
(ASTRAZENECA, Mölndal, Sweden)

Lunch

Measurement of physchem properties

Dr. Barbara MASON
(PHYSICHEM CONSULTING, United Kingdom)

Tea

Basics of QSAR modeling

Dr Andy DAVIS
(ASTRAZENECA, Mölndal, Sweden)

Dinner

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Tuesday March 24, 2009

In silico ADMET

Dr. Han VAN DE WATERBEE MD
(, Saint Andre, France)

Coffee

Estimation of oral absorption and bioavailability

Dr. Han VAN DE WATERBEE MD
(, Saint Andre, France)

Lunch

Importance of adequate pharmacokinetics: F, A, Vd, CL, t_{1/2}, ppb

Dr Don WALKER
(PFIZER, Sandwich, United Kingdom)

Tea

DMPK assays and their interpretation for drug design teams

Dr Don WALKER
(PFIZER, Sandwich, United Kingdom)

Dinner

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Wednesday March 25, 2009

Prediction of drug metabolism

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

Coffee

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

Dr. Chris KOHL
(ACTELION, Allschwill, Switzerland)

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

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

Lunch

Course end