**Industrial development of drugs – an overall perspective**

FLÄK Kick-off at Lund University / September 6th 2012 / Venue: Grand Hotel Lund

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09:00-09:15 **Welcome; Introduction**
 - from molecules to market
 - regulations, authorities, GXP
 - targets
 *Göran Lidgren*, Swedish Academy of Pharmaceutical Sciences, Stockholm

09:15-10:00 **Medicinal Chemistry**
 - rational med. chem.
 - chemical leads – generation and optimization
 - patents

 *Benjamin Pelcman*, BeePCo, Stockholm

10:00-10:20 *COFFEE*

10:20-10:55 **Medicinal Chemistry**, continued

 *Benjamin Pelcman*, BeePCo, Stockholm

11:00-11:40 **Pharmacological Screening *in vitro* and *in vivo*** *Karin von Wachenfeldt,* TrulyTranslational, Lund

11:45-12:45 *LUNCH*

12:45-13:30 **Drug Metabolism and Pk/Pd**
 - the role of PK/PD and metabolism in the development of drugs
 - regulations and GLP
 - methods for the studies of: absorption; distribution; metabolism; excretion

 *Charlott Brunmark,* TrulyTranslational, Lund

13:35-14:35 **Safety studies; Toxicological Assessments**
 - general toxicological studies
 - reproduction toxicology
 - genotoxicology
 - cancer prediction studies
 - the predictive value of toxicological studies
 *Lars Wiklund*, RegSafe, Stockholm

14:35-15:00 *COFFEE*

15:00-15:50 **Pharmaceutical formulation**
 - dosage form types
 - biopharmaceutical studies
 - stability, storage and expire date
 - compliance
 - package

 *Mats E. Johansson,* Järfälla

15:55-17:15 **Clinical Trials**
 - adverse effects and dose
 - regulations
 - Phase I, II, III, IV
 - ethical aspects

 *Helena Lomberg,* Göteborg

17:15 **Concluding Remarks**