

Recent Advances in the Use of Phospholipid Excipients

Date/Time: Saturday, July 20 – 1:00 PM – 5:00 PM

Agenda

1.00 PM – 1.30 PM

An Introduction on the Use and Properties of Phospholipid Excipients

PD Dr. Peter van Hoogevest, Phospholipid Research Center Heidelberg, Germany

1.30 PM – 2.00 PM

Fine Tuning of Liposome-Phospholipid Composition is a Major Factor in Optimizing Liposome Performance of Liposomal Drugs

Prof. Dr. Chezy Barenholz, Hebrew University Hadassah Medical School, Israel

2.00 PM – 2.30 PM

Lipophilic Drugs in Intravenous Liposomal Formulations – Pros and Cons

Prof. Dr. Alfred Fahr, Friedrich Schiller University Jena, Germany

2.30 PM – 3.00 PM

Insights in the Intravenous Use of Phospholipids for Overcoming Chemoresistance

Prof. Dr. Giuseppe De Rosa, University Federico II of Naples, Italy

3.00 PM – 3.30 PM Coffee Break

3.30 PM – 4.00 PM

Recent Advances in the Use of Phospholipids for Injectable Drug Depots

Prof. Dr. Paola Luciani, University Bern, Switzerland

4.00 PM – 4.30 PM

Structural Analysis of Compact Phospholipid Particles (Cochleates)

Prof. Dr. Judith Kuntsche, University of Southern Denmark, Denmark

4.30 PM – 5.00 PM

Use of Monoacyl Lecithin for Oral Amorphous Drug Formulations and Self-Emulsifying Systems

Prof. Dr. Martin Kuentz, University of Applied Sciences and Arts Northwestern Switzerland, Switzerland

Chairs

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PD., Dr.	Peter	van Hoogevest	Phospholipid Research Center Heidelberg	Germany	pvanhoogevest@phospholipid-institute.com

Speakers

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Prof., Dr.	Chezy	Barenholz	Hebrew University Hadassah Medical School	Israel	chezyb1@gmail.com
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PD, Dr.	Peter	van Hoogevest	Phospholipid Research Center Heidelberg	Germany	pvanhoogevest@phospholipid-institute.com

Session Description

Goals and objectives of the workshop are to inform on the basic properties of phospholipid excipients, including production -, physical chemistry- , registration- aspects and their use in pharmaceutical technology. The properties of natural and synthetic phospholipids will be compared. Target audience will be interested pharmacy students or other natural science student and pharmaceutical industrial scientists interested in the use of phospholipid excipients. Further the audience will be informed on the

selection and use of phospholipids in obtaining optimal liposomal dosage forms and latest advances on the use of phospholipids in parenteral depot formulations and their use as cochleates, overcoming chemo-resistance and in amorphous solid dispersions for oral administration of lipophilic drugs.

Learning Objectives

- To demonstrate the correlation between the physicochemical properties of the used phospholipids and phospholipid-based dosage forms and the performance of the drug substance (toxicity, efficacy, bioavailability and pharmacokinetics) with mentioned delivery systems.
- The audience will be informed on the latest advances in this area