



The 6th Dry Powder Inhalation China Technology Conference

—— 第六届干粉吸入制剂技术中国研讨会

DPI-CHINA

March 21st -23rd, 2018 Shanghai, China



第六届干粉吸入制剂技术中国研讨会

The 6thDPI China Technology Conference

由于社会城市化进程加剧,空气污染严重导致的人类呼吸系统疾病增加。目前,全球哮喘(Asthma)患者约3亿人,中国哮喘患者约3000万,并每年以4%的增长。慢性阻塞性肺病(chronic obstructive pulmonary disease, COPD)目前居全球死亡原因的第四位。我国的流行病学调查表明,40岁以上人群COPD患病率为8.2%。调查发现,2016年底,全球Asthma/COPD的治疗用药市场预计高达440亿—480亿美元,成为继肿瘤和糖尿病之后的第三大医药市场。

With regard to the inhalation market China, the medical need to treat respiratory diseases in China is unfortunately also rapidly growing. Due mainly to population growth and industrial growth in Chinese cities, increased air pollution is becoming a major cause of human respiratory diseases. According to the Global Initiative for Asthma, there are more than 300 million asthma patients worldwide, with over 30 million in China. This number is increasing with 4% a year.

继2013年第一届干粉吸入制剂技术中国研讨会(DPI China)取得圆满成功,我们很高兴通知并邀请您参加在上海举办的2018年第六届干粉吸入制剂技术中国研讨会。本次会议宗旨主要关注干粉吸入制剂产品最新技术及法规,增加国内外技术交流。

In 2013, the 1st DPI China Technology Conference was held with great success. In response to participants request, we are happy to announce and invite you to the 6th DPI China in Shanghai! Presentations will be held by experts in the field of development of dry powder inhaler (DPI) products. The industry interest in China is very explainable as the Chinese pharmaceutical industry is rapidly growing into a dominant player in the global market. The theme of the symposium is to focus on the new technology of DPI development and provide the platform to network with local and global industry.

会议时间:	2018年3月21日-2018年3月23日
Time	21 st March 2018 - 23 rd March 2018
会议地址	上海金桥红枫万豪酒店(上海浦东新区新金桥路15号)见附件
Avenue	Shanghai Marriott Hotel Pudong East (15 Xinjinqiao Road, Pudong District, Shanghai 201206 P.R.China)
联系人	谢慧军 DFE pharma
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专题研讨会 Workshop

2018 年 3 月 21 日

时间 Time	Copley	Freemantechology	Sympatec	Singmed	HuaRui
13:00-13:15	开幕介绍 Opening Introduction				
13:15-13:45	Group A	Group B	Group C	Group D	Group E
13:45-14:15	Group B	Group C	Group D	Group E	Group A
14:15-14:45	Group C	Group D	Group E	Group A	Group B
14:45-15:15	茶歇 CoffeeBreak				
15:15-15:45	Group D	Group E	Group A	Group B	Group C
15:45-16:15	Group E	Group A	Group B	Group C	Group D

研讨专题 Topics



中国 2015 版药典-吸入制剂-吸入粉雾剂体内外试验方法

China Pharmacopeia 2015- Test Methods for Dry Powder Inhalers



先进的粉体表征方法用于 DPI 的配方和工艺优化以及 QA / QC

Advanced Powder Characterization for Formulation, Process Optimization and QA/QC of DPI Powders



激光粒度仪在吸入给药原辅料粒径测试中的应用

Laser Diffraction Particle Size Analysis for DPI, API & Excipients



干粉吸入器设计的关键因素分析

Analysis of key Factors on the Development of Dry Powder Inhaler



吸入给药装置的等效性评价

Equivalence Evaluation of Dry Powder Inhaler

会议日程 Agenda

2018 年 3 月 22 日

08:30 -- 08:45	致开幕词 Opening Words	Dr. Rachel van Rijn (德国 DFE pharma)
08:45 -- 09:00	嘉宾及会议介绍 Welcome & Speakers Introduction	谢慧军 Eric Xie (德国 DFE pharma)
09:00 -- 10:00	干粉吸入制剂产品开发的设计空间 (待定) The Space of DPI Product Formulation Development (TBD)	Prof. Hak-Kim Chan (悉尼大学)
10:00 -- 10:30	茶歇 Coffee Break	
10:30 --11:15	乳糖 QbD 理念优化流动性和沉积率 Lactose, a Quality by Design Approach to Optimize Flow and Deposition	谢慧军 Eric Xie (德国 DFE pharma)
11:15 --12:00	Engineering Application of Dry Powder Inhalation Device DPI 给药装置的工程化应用	王振勇 Wang ZhengYong(上海华瑞 Shanghai Huarui)
12:00 --13:00	自助午餐 Buffet	
13:00-- 13:45	载体性质对微粒肺部沉积及滞留行为的影响 Influence of Carriers' Properties on Lung Deposition and Retention Behavior	毛世瑞教授 Prof. Mao ShiRui (沈阳药科大学)
13:45-- 14:45	第四代气流粉碎机用于原料药微粉化处理 Micronizing DPI with Our 4th Generation Jet Mill Series	Andrew Lemaire (瑞士 Dec Group)
14:45 --15:15	茶歇 Coffee Break	
15:15 --16:00	多尺度建模仿真在吸入给药系统开发及预 BE 中的应用 The Application of Multi-Scale Simulation on the Development of Inhalation System and Bioequivalence Study	佟振博教授 Prof. Tong ZhenBo (新劭德 Singmed)
16:00-- 17:00	干粉吸入制剂在欧美及中国市场的检测 Current Regulatory Requirements for the Testing of DPIs in China, USA and Europe	Mark Copley/沈丹蕾 Mark Copley/Anny Shen (英国 Copley Scientific)
17:00~17:45	与粉雾剂产品开发及生产效率相关的流动性测量和理解 Measurement and Understanding of Powder Flow Properties in Relation to DPI Product Development and Manufacturing Efficiency	陆向云 Nephele Lu (英国 Freeman technology)
17:45	问答 QA & Kahoot	

会议日程 Agenda

2018年3月23日

08:30-09:30	DPI 产品相关的技术及法规的研究现状及进展 Current Advancement in Sciences, Technologies or Regulations in relation to DPI products	曾宪明教授 Prof. Zeng Xianming (EVP, Lupin GmbH)
09:30-- 10:15	工业化生产解决方案-粉体罐装, 装置配备和产品包装技术 DPI Industrial Solution – Technology of Powder Filling, Device Assembly and Product Packaging DPI	Zhao Daning (德国 HarroHoeffliger)
10:15 -- 10:45	茶歇 Coffee Break	
10:45 -- 11:30	使用激光粒度分析与图像分析技术加速装置的开发与性能优化 Inhalation Device Performance Investigated by Laser Diffraction and Image Analysis	耿建芳 博士 Dr.JennyGeng (德国 Sympatec)
11:30 -- 12:15	吸入粉雾剂装置系统性开发的最佳实践 The Best Practice of DPI Device Systematic Development	赵光涛 Albert Zhao (瑞士 Clariant)
12:15 -- 13:15	自助午餐 Buffet	
13:15 -- 14:00	多剂量吸入粉雾剂的质量控制 Quality Control of Multiple-dose Dry Powder Inhalation	李苗主任 Li Miao (武汉市食品药品监督管理局)
14:00 -- 15:00	胶囊型干粉吸入剂研发中涉及的变量及挑战 A Holistic View on the Challenge of the Multiple Variables in DPI Formulation – Stratifying Capsule Based DPI	Dr. Sven Stegemann (苏州胶囊 Capsugel)
15:00 -- 15:30	茶歇 Coffee Break	
15:30 -- 16:30	使用激光成像技术对粉雾吸入仿制药的体外测量 Understanding Dry Powder Reference & Generic Devices using Advanced Imaging Techniques	Dr. Séamus D Murphy/沈丹蕾 Dr. Séamus D Murphy/Anny Shen (英国 Oxford laser)
16:30 -- 17:15	干粉吸入器材料选择的考虑 Considerations in Material Selection for Dry Powder Inhalers	待定 TBD (美国 Celanese)
17:15 -- 17:30	辅料注册的最新法规更新 Latest Regulation Update on Registration of Excipients	冯卫疆 Jenny Feng (德国 DFE Pharma)
17:30 -- 17:45	问答 QA & Kahoot	
17:45	抽奖 Lucky lottery	



DFE pharma **CAPSUGEL**
 苏州胶囊

Dec Group

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 英国富瑞曼科技

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衷心感谢以下赞助商对本次会议的鼎力支持！

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