



中国颗粒学会吸入颗粒专委会于 2018 年成立，是中国颗粒学会的下设分会，其前身是“吸入给药联盟”。吸入颗粒专委会的成员主要包括药品研发和生产企 业、高校院所的专家学者等一批拥有较高吸入药物开发基础的领域内专业人士。吸入颗粒专委会以国家政府机关制定的相关药品法律法规政策为导向，以推进中 国吸入给药行业的发展，提高国内吸入药物的研发、产品技术标准和临床应用， 加快与国际同行业接轨作为创建目标。联盟通过动员国内药物研究、药品生产、 质量监控和临床应用等资源，积极的推动吸入给药行业在中国的整体发展。

The Inhalation Particle Committee of the Chinese Society of Particuology, established in 2018, is a sub-committee of the Chinese Society of Particuology. It was formerly known as the Inhalation Drug Delivery Alliance. The Committee consists of experts and scholars from pharmaceutical R&D and manufacturing companies, universities, research institutes, and other professionals with expertise in inhalation drug development. Guided by national drug laws and regulations, the Committee aims to advance Chinese inhalation drug delivery industry. This includes enhancing R&D of domestic inhalation drugs, setting product technology standards, promoting clinical applications, and fostering closer ties with the global industry. By leveraging resources from domestic drug research, production, quality control, and clinical application, the Alliance actively drives the overall growth of inhalation drug delivery industry in China.

为交流和分享吸入给药行业的最新发展，吸入颗粒专委会将针对吸入及鼻腔 创新药物发展、吸入制剂的产业化新技术探讨、吸入制剂新装置及新辅料应用、 吸入制剂体内外评价新技术等内容进行学术交流和研讨，拟定于 2024 年 07 月 04 日-07 月 06 日在辽宁·沈阳召开“吸入药物递送国际学术研讨会暨中国颗粒



学会吸入颗粒专业委员会 2024 年学术研讨会（第三届）”会议期间将邀请国内外前沿领域专家、知名法规专家等作专题报告和发言。为业内人士提供信息交流的平台，同时对该领域内的学术观点、技术应用、法律法规、临床研究、市场情况等互动沟通。

In order to exchange and share the latest development of the inhaled drug delivery industry, the Inhaled Particles Committee will conduct academic exchanges and discussions on the development of innovative drugs for inhalation and nasal cavity, the presentation of new technologies for the industrialization of inhaled formulations, the application of new devices and excipients for inhaled formulations, and the new technologies for in vitro and in vivo evaluations of inhaled formulations, etc. The “International Symposium on Inhaled Drug Delivery and 2024 Symposium of Inhaled Particles Committee of the Chinese Society of Particuology (2nd)” is to be held during July 4th-6th, 2024, in Shenyang, Liaoning Province, China. During the conference time, renowned domestic and foreign experts in cutting-edge fields, well-known regulatory experts will be invited to deliver special reports and speeches. It will provide a platform for information exchange for industry insiders, as well as interactive communication on academic viewpoints, technical applications, laws and regulations, clinical research, and market situation in this field.

## 一、会议概况

**会议名称：**吸入药物递送国际学术研讨会暨中国颗粒学会吸入颗粒专业委员会 2024 年学术研讨会（第三届）

**会议地址：**辽宁省沈阳市



会议酒店：沈阳新都绿城喜来登酒店（浑南区沈中大街 101-1 号）

会议时间：2024 年 07 月 04 日-07 月 06 日

主办单位：中国颗粒学会吸入颗粒专业委员会

沈阳药科大学

承办单位：中国医药工业信息中心

## 二、会议日程

### Day One Thursday, July 4th, 2024

大会会务组 签到 Sign In	
13:00-18:00	前往会议前台领取参会材料 Please proceed to the conference front desk to collect your participation materials.

### Day Two Friday, July 5<sup>th</sup>, 2024

主持人：王震宇 四川普锐特 博士 Moderator: Dr. Zhenyu Wang, Scpurity		
08:30-08:45	开幕式致辞 Opening Speech	毛世瑞 中国颗粒学会吸入颗粒专委会 主任 沈阳药科大学 教授 Prof. Shirui Mao, Director, Inhalation Particle Committee, Chinese Society of Particuology, Shenyang Pharmaceutical University  主办方： 中国颗粒学会 秘书长 沈阳药科大学 校领导 Sponsor: Secretary General of Chinese Society of Particuology President of Shenyang Pharmaceutical University
08:45-09:15	颗粒学与创新吸入药物递送的思考与展望 Perspectives and thoughts on Particuology and Innovative Inhaled Drug Delivery	祝京旭 加拿大皇家科学院、加拿大国家工程院 院士 Academician Prof. Jesse Zhu Fellows of Royal Academy of Canada and Canadian Academy of Engineering.



<b>Topic 1</b>	<b>OINDP 最新进展：前沿领域与发展趋势</b> <b>OINDP Latest Progress: Frontiers and Development Trends</b>	
09:15-09:40	可吸入纳米粒/微粒：药代动力学与安全性 Inhalable Nano/Micro-Particle : Pharmacokinetics and Safety	Satomi Onou 日本静冈县立大学药学院 教授 Prof. Satomi Onou, Faculty of Pharmacy, University of Shizuoka
09:40-10:05	中药吸入药物研发 — 基于临床前 PK-PD 的制剂成药性思考 Inhalation Drug Development of Traditional Chinese Medicine - Thinking about Drugability Based on Preclinical PK-PD	廖永红 中国医学科学院药用植物研究所 研究员 Prof. Yonghong Liao, Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences
10:05-10:40	<b>茶歇 Coffee Break</b>	
10:40-11:05	肺部疾病诊断与治疗的转变：通过 CFD-AI/ML 驱动的肺阻塞检测和智能吸入器精准治疗优化药物的递送与治疗 Transforming Pulmonary Disease Diagnosis & Treatment: Optimizing Drug Delivery and Treatment through CFD-AI/ML-Driven Lung Obstruction Detection and Smart Inhaler Precision Therapy	冯宇 美国俄克拉荷马州立大学 副教授 Associate Prof. Yu Feng, Oklahoma State University
11:05-11:30	吸入式噬菌体疗法有望减轻与细胞内细菌有关的肺部感染 Promise of Inhaled Bacteriophage Therapy in Mitigating Lung Infections Associated with Intracellular Bacteria	Sharon Shui Yee Leung 香港中文大学 助理教授 Assistant Prof. Sharon Shui Yee Leung, The Chinese University of Hong Kong
11:30-11:55	差异化竞争的改良创新吸入制剂开发策略 Development Strategies of Improved and Innovative Inhalation Preparations with Differentiated Competition	吴闻哲 医药先进制造国家工程研究中心 研究员 Prof. Wenzhe Wu, National Advanced Medical Engineering Research Center
11:55-12:20	吸入 mRNA 药物的研究进展 Advancements in the research of inhaled mRNA therapeutics	佟振博 东南大学 教授 Prof. zhenbo Tong, Southeast University
<b>主持人：佟振博 东南大学 教授</b> <b>Moderator: Prof. Zhenbo Tong, Southeast University</b>		
<b>Topic 2</b>	<b>现代吸入制剂技术与创新：新技术、新辅料、新装置前沿探索</b> <b>Modern Inhalation Technology and Innovation: Exploring the Frontiers of New Technology, New Excipients and New Devices</b>	



13:30-13:55	基于粒子微结构的吸入组方设计基础 Micro-Structure Based Inhalation Particle Design	毛世瑞 中国颗粒学会吸入颗粒专委会主任 沈阳药科大学 教授 Prof. Shirui Mao, Director, Inhalation Particle Committee, Chinese Society of Particology, Shenyang Pharmaceutical University
13:55-14:20	大分子干粉吸入及产业化 Research and exploration of macromolecular dry powder inhalation	王兆霖 浙江知一药业 董事长 Dr. Zhaolin Wang, Superior Inhalation Pharmaceutical Company
14:20-14:45	受蒲公英启发的吸入粉雾剂微粒结构设计 与宏量制备技术 Particle structure design and large scale preparation technology of dandelion inspired dry powder inhalers	吴铎 苏州大学 教授 Prof. Duo Wu, Soochow University
14:45-15:30	茶歇 Coffee Break	
15:30-15:55	生物类吸入制剂辅料的研究与应用 Research and Application of Excipients for Biological Inhalations	谢慧军 DFE Pharma 博士 Dr. Huijun Xie, DFE Pharma
15:55-16:20	可燃抛射剂与前瞻性市场应用要求 Combustible propellant and forward-looking market application requirements	Benjamin Mr. Benjamin Pamasol
16:20-16:45	单剂量药物递送装置的开发与应用 Development and Application of Single-Dose Drug Delivery Devices	王振勇 上海华瑞气雾剂有限公司 董事长 Mr. Zhenyong Wang, President Shanghai Huarui Aerosol Co.
16:45-17:05	新型抛射剂 152a 与 1234 的研究与应用 Research and Application of New Propellants 152a and 1234	邵奇 上海上药信谊药厂有限公司 博士 Dr. Qi Shao, SPH Sine
17:05-18:00	优选口头报告和海报时间 Selected oral presentations and poster time	
19:00-21:00	中国颗粒协会吸入颗粒专委会 全体委员会议 Committee Meeting of IDDA	



## Day Three Saturday, July 6<sup>th</sup>, 2024

主持人：沈丹蕾 白令生物科技 总经理

moderator: Dr. Danlei Shen, Bering Biotechnology

<b>Topic 3</b>	<b>吸入制剂产业化与法规指南：策略与实践探讨</b> <b>Guidelines for Industrialization and Regulation of Inhalations: A Discussion of Strategy and Practice</b>	
<b>08:30-08:55</b>	单剂量鼻用制剂的研发进展 Progress in the Development of Single-Dose Nasal Preparations	王震宇 四川普锐特 博士 Dr. Zhenyu Wang, Scpurity
<b>08:55-09:20</b>	新版吸入制剂包装系统的指导原则 New Guidelines of Packaging Systems for Inhaled Dosage Forms	侯曙光 成都中医药大学 教授 Prof. Shuguang Hou, Chengdu University of Traditional Chinese Medicine
<b>09:20-10:10</b>	圆桌交流会议交流讨论：吸入制剂注册申报与现场检查的要点 Roundtable Discussion: Key Points of Registration and On-Site Inspection of Inhalations	<b>圆桌主持嘉宾：</b> 侯曙光 成都中医药大学 教授 Roundtable moderator: Prof. Shuguang Hou, Chengdu University of Traditional Chinese Medicine <b>圆桌特邀专家：</b> 原 FDA CMC 领域专家 原 NMPA CDE 审评专家 临床机构专家 Invited experts: Former FDA CMC field experts Former NMPA CDE review experts Clinical organization experts
<b>10:10-10:40</b>	<b>茶歇 Coffee Break</b>	
<b>11:05-11:30</b>	生物大分子或抗体药物的吸入递送与产业化技术讨论 Discussion on the Inhalation Delivery and Industrialization of Biological Macromolecules or Antibody Drugs	万亚坤 洛启生物 博士 Dr. Yakun Wang, Novamab
<b>11:30-11:55</b>	干粉吸入剂产业化研究与法规 Research and Regulations on the Industrialization of DPIs	王晓飞 亿腾医药 博士 Dr. Xiaofei Wang, Eddingpharm
<b>11:55-12:20</b>	吸入制剂的 PK 特征与生物分析 Pharmacokinetic Profile and Bioanalytical Analysis of Inhaled Formulations	谢荟茹 成都凡微析医药 实验室主任 Director Ms. Huiru Xie Chengdu Finelyse Pharmaceutical Technology Co
主持人：陈永奇 瑞斯普利 教授		





moderator: Prof. Yongqi Chen, Resproly		
<b>Topic 4</b>	<b>吸入制剂体内外评价与临床研究探索 In Vitro and In Vivo Evaluation and Clinical Research Exploration of Inhaled Formulations</b>	
13:30-13:55	仿真鼻腔模型技术在鼻吸入制剂开发中的应用 Application of Simulated Nasal Modeling Technology in the Development of Nasal Inhalations	张雪娟 暨南大学 副教授 Associate Prof. Xuejuan Zhang, Jinan University
13:55-14:20	使用 PB-PK 技术加速吸入制剂的研发 Accelerating Inhalation Preparations Development Using PB-PK Technology	刘 波 武汉工程大学 教授 Prof. Bo Liu, Wuhan Institute of Technology
14:20-14:45	用于 DPI 制剂单个粒子分析的先进纳米分析技术 Advanced Nanoanalytical Techniques for Individual Particle Analysis of DPIs	柯威任 台湾大学药学院 助理教授 Assistant Prof. Weiren Ke, Faculty of Pharmacy, Taiwan University
14:45-15:30	<b>茶歇 Coffee Break</b>	
15:30-15:55	体内 PK-BE 和 PD-BE 的相关研究 Correlation Studies of PK-BE and PD-BE In Vivo	贺 晴 高博医疗集团 教授 Prof. Qing He, GoBroad Healthcare Group
15:55-16:20	提高鼻内给药体外测试方法的实用性 Improving the Utility of In Vitro Test Methods for Intranasal Drug Delivery	沈丹蕾 白令生物科技 总经理 Dr. Danlei Shen, Bering Biotechnology
16:20-16:30	优秀论文颁奖 Awarding of Outstanding Papers	
16:30-17:00	闭幕式 Closing Ceremony	

### 三、论文征集

**征文内容：**吸入给药相关领域的学术理论研究、应用技术、监管、法规、产品开发，传统中药吸入研究，临床实验、临床应用、市场调研、病人教育和治疗管理等。特别欢迎有创新特色的新技术、新观点等投稿。



### 摘要要求:

- (1) 创新的吸入药物递送系统设计与优化;
- (2) 吸入药物颗粒递送的产业化挑战与应对策略;
- (3) 吸入药物的体内外评价及质量控制;
- (4) 新技术在吸入工程颗粒中的研发与应用;
- (5) 吸入中药的研究与应用;
- (6) 可吸入生物制剂的研发与应用等。

征文要求: 详见附件 1

投稿邮箱: iddchina@126.com

**摘要截稿:** 投稿摘要经会议学术专委会专家评议, 一经录用, 以口头演讲或海报形式在会议期间交流, 业内专家将对所投稿的论文进行学术性评价。会议将设立优秀奖进行表彰。

**投稿截止时间:** 2024 年 06 月 22 日 (星期五)

海报展示尺寸: 70cm\*100cm (宽\*高)

### Call for Papers:

**Contents:** Academic theoretical research, applied technology, regulation, supervision, legislation, product development in the field of inhalation drug delivery, traditional Chinese medicine inhalation study, clinical trials, clinical applications, market survey, patient education and treatment management. New technologies, new ideas with innovative features are especially welcome to be submitted to the call for papers.





**Abstract requirements:**

- (1) Design and optimization of innovative inhaled drug delivery systems;
- (2) Industrialization challenges and strategies for inhaled drug particle delivery;
- (3) In vitro and in vivo evaluation and quality control of inhaled drugs;
- (4) R&D and application of new technologies in inhalation-engineered particles;
- (5) Research and application of inhalation traditional Chinese medicines; and
- (6) R&D and application of inhalable biologics.

**Requirements: See Appendix 1 for details**

**E-mail:** iddchina@126.com

**Abstract Cutoff:** The submitted abstracts will be reviewed by the experts of the academic committee of the conference. Once accepted, they will be exchanged during the conference in the form of oral speeches or posters. Experts will conduct academic evaluation on the submitted papers. The conference will set up an excellent award for recognition.

**Submission Deadline: June 22, 2024**

**Poster display size:** 70cm\*100cm (Width\* Height)

#### 四、会议报名及缴费

报名方式：扫描下方二维码报名



### 会务联系人:

徐 淳 13817173650

电话/传真: 021-62895182

E-mail: meeting@pharmadl.com

### 会议收费标准:

会务费	缴费时间
抢注优惠: 1200元/人(含会务费,其他自理)、学生600元/人	2024年06月20日截止
常规注册: 2000元/人(含会务费,其他自理)、学生800元/人	2024年06月20日后(可现场注册)

备注:同一单位报名人数达到3人,额外给予1个免费名额。

### 重要备注:

① 前100名注册人员 送法规白皮书+译著的书本

② 前101-200名注册人员 译著





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注：汇款单请或个人注明参会单位及参会者姓名，以便会务组查询。