# Peking University Bioaerosol Laboratory Bulletin (PKU-BLB) Volume 6, Issue 2

August 2018

Congratulations to Jing Li and Yunhao Zheng (now all Drs) for their PhD graduations and the achievements and best future ahead! And two ES&T papers and one Nano Letters Paper!

Jing Li and Yunhao Zheng Obtained their PhD! Congrats!





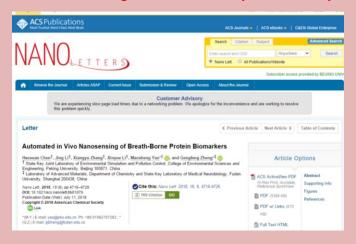
北京大学生物气溶 胶实验室

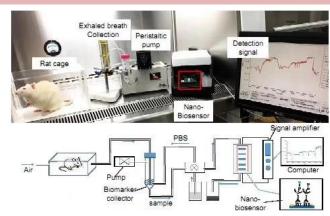
Dr. Yao was invited to be a discussion leader at a Gordon Research Conference held in Maine, US!

Beijing, China

### Scientific Publications

 Our work "Automated in Vivo Nanosensing of Breath-Borne Protein Biomarkers" by Chen et al 2017 was published in Nano Letters, congrats! Featured by China Daily!





## × 我国实现颗粒物毒性活体生物标志物头•••

▼ 周报

Leap



#### DOI:

https://pubs.acs.org/doi/abs/10.1021/acs.nanol ett.8b01070

2. Our work "Size-Resolved Endotoxin and Oxidative Potential of Ambient Particles in Beijing and Zürich" was published in ES&T and featured by many academic news media such as ChemistryViews!





**LE TEMPS** 

«A masse égale, la pollution de l'air peut être plus nocive en Suisse qu'en Chine»

## Chemistry Views Effects of Fine Dust in the Air Author: ChemistryViews.org Published: 07 July 2018 Copyright: Wiley-VCH Verlag GmbH & Co. KGaA Source / Publisher: Environmental Science and Technology/ACS Publishing Associated Societies: American Chemical Society (ACS), USA

DOI: https://pubs.acs.org/doi/abs/10.1021/acs.est.8 b01167

Our work "Global Survey of Antibiotic Resistance Genes in Air" was published in ES&T and featured by many academic news media such as "ACS embargoed press release"



https://pubs.acs.org/doi/10.1021/acs.est .8b02204

FOR IMMEDIATE RELEASE | June 20, 2018

## The hidden hazards of antibiotic resistance genes in air

"Global Survey of Antibiotic Resistance Genes in Air" Environmental Science & Technology

People are often notified about poor air quality by weather apps, and this happens frequently in urban areas, where levels of outdoor pollution containing particulates and soot are high. But now scientists are reporting in ACS' Environmental Science & Technology that there is another type of air contaminant that they say isn't receiving enough attention: antibiotic-resistance genes.

According to the U.S. Centers for Disease Control and



PUBLIC RELEASE: 25-JUL-2018

## The hidden hazards of antibiotic resistance genes in air

AMERICAN CHEMICAL SOCIETY









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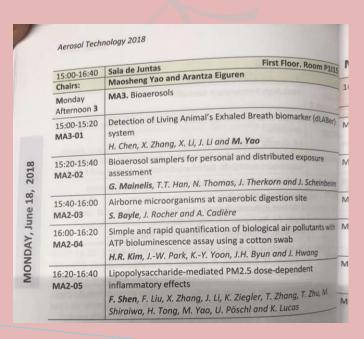
China Peking University Bioaerosol Laboratory Bulletin (PKU-BLB) Volume 1, Issue 4

4.Our invention about "Yeast-based PM Toxicity Sensor-SLEPTor" was issued a patent.

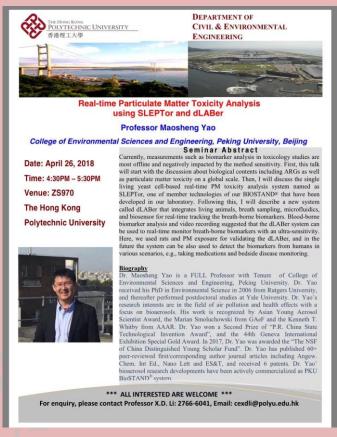


### **Academic Conferences**

1. Dr. Yao was invited to give a presentation at Aerosol Technology 2018 in Bilbao and also to chair a bioaerosol session..



2. <u>Dr. Yao was invited to give a presentation at The HK Polytech Univ and Chinese University of HK</u>



3. <u>Dr. Yao was invited to be a discussion leader at Gordon Research Conference held in Maine, US</u>











Find a Conference



#### Viruses in Buildings

Discussion Leader: **Maosheng Yao** (Peking University, China)

7:30 pm - 7:40 pm

Introduction by Discussion Leader

7:40 pm - 8:10 pm

**Linsey Marr** (Virginia Tech, USA)

"Building Characteristics Influence Human Exposure to Respiratory Viruses"

8:10 pm - 8:25 pm

Discussion

8:25 pm - 8:55 pm

**Jeffrey Shaman** (Columbia University, USA) "Absolute Humidity Modulates Influenza Transmission"

8:55 pm - 9:10 pm



#### **Other Selected Scientific Activities**

1. Dr. Yao signed a collaboration agreement with Prof Nanshan Zhong's team in Guangzhou.



2. Our team has signed a collaboration agreement with Prof. Jiancheng Qi's team.





3. <u>Dr. Yao hosted Prof Benzhong Tang's</u> talk at Peking University.





College of Environmental Sciences and Engineering Peking University

#### 北京大学环境模拟与污染控制国家重点联合实验室学术报告会

Seminar of State Key Joint Laboratory of Environmental Simulation and Pollution Control (Peking University)

#### 世界一流学者报告会

**Applications of AlEgens in Environmental Science** 

时间: 15:00-16:00PM, 6月1号 地点: 北大环境大楼 B121



## 报告人: 唐本忠 教授 中国科学院院士

#### 香港科技大学

**报告主持**: 要茂盛 教授 yao@pku.edu.cn

唐本忠,中国科学院院士,中国国家自然科学一等奖得主,香港科技大学张鉴泉理学教授、化学系与生物医学工程系讲座教授,华南理工大学-香港科技大学联合研究院院长。1982年于华南理工大学获学士学位,1985年、1988年先后获日本京都大学硕士、博士学位;曾在多伦多大学从事博士后研究工作。1994年加入香港科技大学,2009年增选为中国科学院院士,2013年入选英国皇家化学会Fellow。作为AIE概念的提出者和研究的引领者,唐本忠教授累计发表学术论文约1000篇,引用60000余次,h-指数为123,并于2014-2017年连续入选化学和材料双领域高被引用科学家。同时,唐本忠教授先后获得多项荣誉及奖励,如国家自然科学一等奖(2017,第一完成人)、何梁何利科学与技术进步奖(2017)、第27届夸瑞兹密国际科学奖(2007,第四完成人)、裹槎高级研究成就奖(2007)、中国化学会高分子基础研究王葆仁奖(2007)和爱思唯尔出版社冯新德聚合物奖(2007)等。

4. <u>Dr. Yao was invited to give a talk at Changsha Polytech Institute in Changsha, Hunan.</u>

#### "化学生物前沿论坛"会议议程

地点: 图书馆报告厅

	时间	报告人	报告题目	主持人
5.23	14:00-22:00	会议注册		
5 月 24 日	7:30-8:30			
	8:30-9:00	开幕式		杨荣华
	9:00-9:20	合 影		
	9:20-9:50	赵宇亮	无机纳米材料的生物学性质与分析方法	田禾
	9:50-10:20	郭子建	金属化学生物学	田禾
	10:20-10:40	茶椒		
	10:40-11:00	刘冬生	基于框架诱导组装的模块化纳米载药体系	陈晓青/谢青季
	11:00-11:20	刘志洪	上转换荧光分析	陈晓青/谢青季
	11:20-11:40	汪乐余	高性能纳米探针:设计、构筑与分析应用	陈晓青/谢青季
	11:40-12:00	袁荃	无背景纳米生物分析方法研究	陈晓青/谢青季
	12:00-14:30		午 餐	
	14:30-15:00	田禾	光调控功能超分子体系	郭子建
	15:00-15:30	毛成德	In Vivo Production of Designed RNA Nanostructures	郭子建
	15:30-15:50	张凡	近红外光学活体多重成像分析	曹忠
	15:50-16:10	要茂盛	Detection of Living System Biomarker Using BioSTAND	曹忠
	16:10-16:30	茶椒		
	16:30-16:50	刘珏文	核酸-纳米材料表界面研究	刘冬生
	16:50-17:10	樊春海	基于框架核酸的界面调控与生物分析应用	刘冬生
	17:10-17:40	杨秀荣	基于双偏振干涉方法的生物分子相互作用 研究	毛成德
	17:40-17:50		闭幕式	程云辉
	18:00-20:00	晚 餐		1±47/#f
25	7:00-9:00	早 餐		
	9:00-11:00	参观学院实验室,离会		曹忠

5. We have developed a handheld rapid microbial aerosol detection system.







Dr. Yao met Meny from Yale at

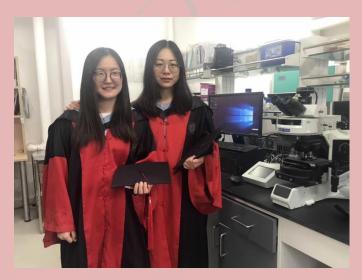
**PKU** 

## **Student News**

1. Congrats to graduate students Jing LI and Yunhao Zheng for obtaining PhD! Best wishes to them!











PhD celebration dinner! Jing Li and Yunhao Zheng did the treat!



Dr. Yao's daughter in Inner Mongolia plateau!

Our next issue is expected to be in December 2018 & we look forward to exciting news from our group. For other information, please visit our laboratory web site: <a href="www.yaopkulab.com">www.yaopkulab.com</a>. All contents contained in this document are copyrighted and explained by PKU Bioaerosol Laboratory.