

Peking University Bioaerosol Laboratory Bulletin (PKU-BLB) Volume 5, Issue 3

Dec
2017

Congratulations to the second Bioaerosol Symposium held in Guangzhou Institute for Respiratory Diseases

Congrats to
the second
national
bioaerosol
symposium
held in
Guangzhou!
Mang thanks
to Prof. Zifeng
Yang!



Dr. Yao gave a report for national
bioaerosol team to Prof Nanshan
Zhong

北京大学生物气溶
胶实验室

Beijing, China

Scientific Publications

1. Our collaboration work with Academy of Military Medical Science entitled “PM_{2.5} Meets Blood: *in vivo* Damages and Immune Defense” by Zhang et al 2017 was published in *Aerosol and Air Quality Research*.



DOI:

<http://dx.doi.org/10.4209/aaqr.2017.05.0167>

2. Dr. Yao as a Guest Editor published a preface for a bioaerosol special issue in *J Aerosol Sci*.



DOI:

<http://dx.doi.org/10.1016/j.jaerosci.2017.07.010>

3. Our work about high volume bioaerosol sampler HighBioTrap by Chen et al 2017 was published in *J Aerosol Sci*.



DOI: <https://doi.org/10.1016/j.jaerosci.2017.11.012>

4. Our work regarding HighBioTrap for bioaerosol sampling was awarded a national practical invention patent (Maosheng Yao and Haoxuan Chen).



5. Our work regarding bioaerosol reactor was also awarded a national practical invention (Yunhao Zheng and Maosheng Yao)



Academic Honors

1. Prof. Yao was awarded the 2017 “National Key Lab Contribution Award” on 16 Dec, 2017.





Research Grants

1. Dr. Yao won the National Natural Science Foundation Distinguished Yong Scholar Fund.

Academic Conferences

1. Dr. Yao gave a talk during the second bioaerosol symposium held in Guangzhou, and Dr. Yao gave a progress report for national bioaerosol team to Prof. Nanshan Zhong.



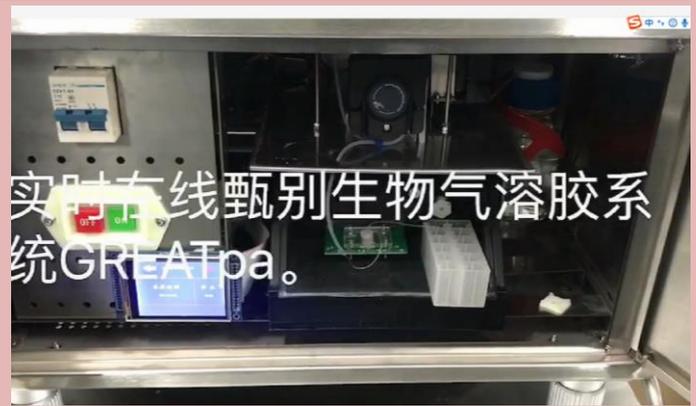
2. Dr. Yao attended the AMR meeting held in



Berlin.

Dr. Yao gave a talk about dLABer during the 5th Air Quality Management meeting held in Jinan University in Guangzhou. And Dr. Yao also co-chaired the editor symposium during the

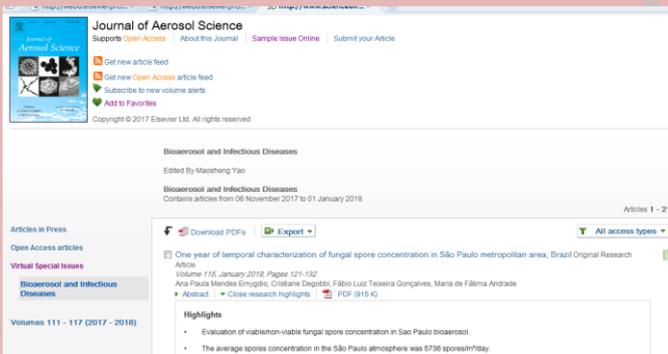




3. Dr. Yao was selected as one of the high level visiting Professor by the University of Paris, EST. Dr. Yao gave lectures to both graduate and undergraduate students.

Other Selected Scientific Activities

1. Dr. Yao as a Guest Editor for Journal of Aerosol Science edited a total of 20 bioaerosol journal articles. The topics ranged



4. Dr. Yao collaborated with doctors from French hospital in applying the BioScreen device in collecting human exhaled breath samples.

The special issue is located at <http://www.sciencedirect.com/science/journal/00218502/115>

2. Our lab has developed a portable bioaerosol sensor that can real-time monitor biological agents in the air.



5. Dr. Yao visited IRSN and gave a presentation during the symposium.



6. Dr. Yao was appointed to be the Bioaerosol program air for the Aerosol Technology 2018 meeting.

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Universidad del País Vasco Euskal Herriko Unibertsitatea

BILBAO Spain June 18-20 2018

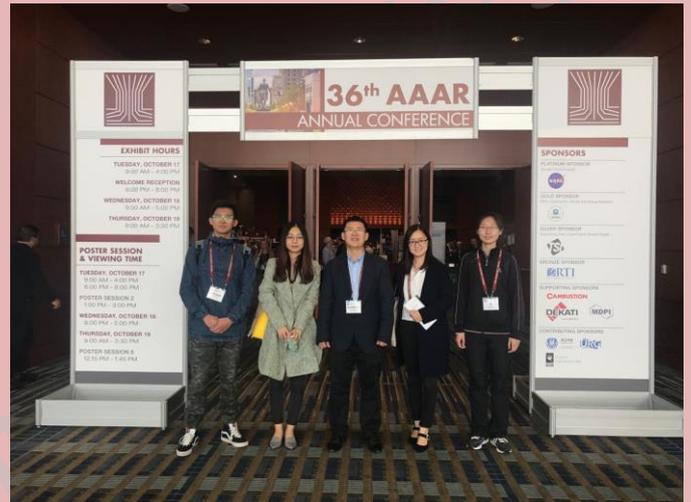
AT2018 AEROSOL TECHNOLOGY - BILBAO UNED

AT2018 topics include the research and development fields in which aerosols are relevant, ranging from conventional areas such as emission control, filtration and powder technology, to more recent ones such as advances in aerosol dynamics modeling, functional nanomaterials, Industry4.0 systems, and novel instrumentation techniques.

TOPICS LIST

Click on the arrows to expand/contract the list under each main topic.

- 1 APPLIED AEROSOL PROCESSES ▾
- 2 AEROSOLS & HEALTH ▲
 - 2.1 Health effects and environmental impact of engineered nanoparticles
 - 2.2 Aerosol-based medical diagnostics and drug delivery
 - 2.3 pharmaceutical aerosols
 - 2.4 Bioaerosols
 - 2.5 Aerosols in indoor and workplace environments
 - 2.6 Aerosol detection and protection
 - 2.7 Personal exposure assessment
- 3 AEROSOL MEASUREMENT TECHNIQUES ▲
 - 3.1 Novel measurement principles and new instrumentation
 - 3.2 Characterization techniques
 - 3.3 Comparison of different measurement methods
 - 3.4 Instrumentation for chemical characterization of aerosols
 - 3.5 Sampling and sampling artefacts
- 4 BASIC AEROSOL PROCESSES ▾



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

Student News

- 1. Dr. Yao along with his students attended the 36th American Association for Aerosol Research annual meeting in North Carolina.