

Peking University Bioaerosol Laboratory Bulletin (PKU-BLB) Volume 2, Issue 3

August, 2014
dedicated to
the 7th
bioaerosol
lab
anniversary



Youngest member Beiyun Yao (要北芸)
joined us on May 19, 2014



Prof. Maosheng
Yao won the
prestigious
Kenneth T.
Whitby award
from American
Association for
Aerosol Research
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北京大学生物气溶
胶实验室

Beijing, China

Scientific Publications

1. ZhuangLei Zou & Maosheng Yao* (2014), Airflow Resistance and Bio-Filtering Performance of Carbon Nanotube Filters and Current Facepiece Respirators, *Journal of Aerosol Science*, under Revision (IF: 2.6)
2. Yan Wu, Yongdong Liang, Kai Wei, Wei Li, Maosheng Yao*, Jue Zhang*, and Sergey A. Grinshpun (2014), Virus Inactivation by Atmospheric Pressure Cold Plasma, *Applied & Environmental Microbiology*, Under Review. (IF: 3.6)
3. Currently, another four manuscripts are under preparation. We are expecting a number of significant papers to come out soon.

Academic Honors

1. **Outstanding international honor: Prof. Maosheng Yao won the prestigious young aerosol scientist award, Kenneth T. Whitby award, from American Association for Aerosol Research (AAAR).**



Kenneth T. Whitby
(1925-1983)
Award

The award is named after the aerosol technology pioneer Kenneth T. Whitby, a member of U.S. Academy of Engineering, and the award is intended to recognize outstanding technical contributions to aerosol science and technology by a young scientist and to encourage continued work in the field and ongoing support of such endeavors (https://www.aaar.org/index2.cfm?section=Awards&content=Kenneth_T_Whitby) . Prof. Yao is

scheduled to attend the award ceremony at AAAR annual meeting in Florida, U.S.A in October 2014.

Prof. Yao is the first scientist from Asian countries to win the award. Altogether, Prof. Yao has won three prestigious aerosol awards from three continents: Asia (Asian Young Aerosol Scientist Award), Europe (Marian Smoluchowski Award) and America (Kenneth T. Whitby Award), and his work is now being highly recognized worldwide.

2. PhD student Fangxia Shen (now Dr. Shen) has won the outstanding PhD dissertation award (“Development and application of a novel real-time microbial aerosol screening technology”) from Peking University, and also the outstanding PKU graduate award.

Dr. Shen is now at Max-Planck Institute for Chemistry, Mainz, Germany for her postdoctoral work. Congrats, and many thanks to her outstanding work in our lab, and we wish she will continue to excel in her academic career!



Dr. Fangxia Shen at graduation ceremony

3. Undergraduate student, Yijing Li, has won a prestigious Klaus Toepfer award, Yijing will start her new academic career at Tsinghua Wudaokou Finance Institute, Tsinghua University.



Yijing at graduation ceremony

4. Prof. Maosheng Yao was invited to be a Guest Editor for Special Issue “Air Pollution in the Beijing – Tianjin – Hebei (BTH) region, China”, Atmospheric Environment (IF: 3.1).

5. Prof. Yao was invited to give a seminar entitled “[Applications of Bioaerosol Technologies in Bio-defense and Prevention of Infectious Disease Spread](#)” at Chinese PLA Academy of Military Medical Sciences in Changchun on June 27, 2014.

Grants

1. Great news: the “973” project we are Involved in applying for was granted. In addition, we also submitted an international collaboration grant application through MOST.

2. The conference grant for “Haze formation mechanisms and PM2.5 pollution control” was granted for which Prof. Yao was one of the four chairs together with Junji Cao (Chinese Academy of Sciences, Qiang Zhang (Tsinghua University, Tiantao Cheng (Fudan University).

The conference being supported by China Association for Science and Technology is intended to foster the growth of next generation environmental leaders. The conference will take place in Xi’an from Sept 4-6, 2014.

Academic Conferences

1. Prof. Yao gave a conference talk and chaired the bioaerosol session at Aerosol Technology 2014 in Karlsruhe, Germany during 16 -18 June 2014.



Prof. Yao @Karlsruhe Institute of Technology giving the talk during the conference

2. Prof. Yao was invited to chair two symposia at International Aerosol Conference 2014 to be held in Busan, Korea during August 28-Sept 2, 2014. In addition, our lab was scheduled for three platform talks at the conference & six people from our lab are going to the conference.

Other Selected Scientific Activities

1. Prof. Yao was nominated for the China Outstanding Environmental Technology Scientist Award in May 2014. Dr. Yao was nominated by Indoor Environment and Health Branch of Chinese Society of Environmental Sciences.

2. Prof. Yao was invited by LG Electronics to give a seminar entitled “[Nano and Physics meet Biology: Lighting Up Bioaerosol Research](#)” at LG Electronics Gasan R&D Campus, Gasan-Dong, Geumcheon-Gu, Seoul, Korea.

Student News

1. Congrats to Fangxia Shen, Mingzhen Li, Caijia Xu, Yijing Li and Xiangyu Zhang for their graduation!!! Wish you all have a bright future ahead!



Lab members picture with students graduating



From Left: Jing Li (2nd yr PhD student), Dr. Fangxia Shen and Mingzhen Li (graduated with distinctions)



Caijia Xu (graduated & now a graduate student in our lab) and Jing Li



Yijing Li (left) and Caijia Xu

2. Zhuanglei Zou passed the graduate exam! We have recruited two more graduate students: Ting Zhang from Nanjing University for PhD and Haoxuan Zhang from China Agricultural University for Master.

Academic & Social Gatherings

1. Fangxia Shen and Mingzhen Li invited us for an appreciation dinner! Thanks for the meal treat!

2. Dr. Yao with his daughter 要北芸 on family outing



Dr. Yao with his daughter Beiyun Yao

This issue is dedicated to the 7th bioaerosol lab anniversary. Our next issue is expected to be in Dec 2014. For other information, please visit our laboratory web site: <http://openwetware.org/wiki/Yao-lab>. All contents contained in this document are copyrighted and explained by PKU Bioaerosol Laboratory.