

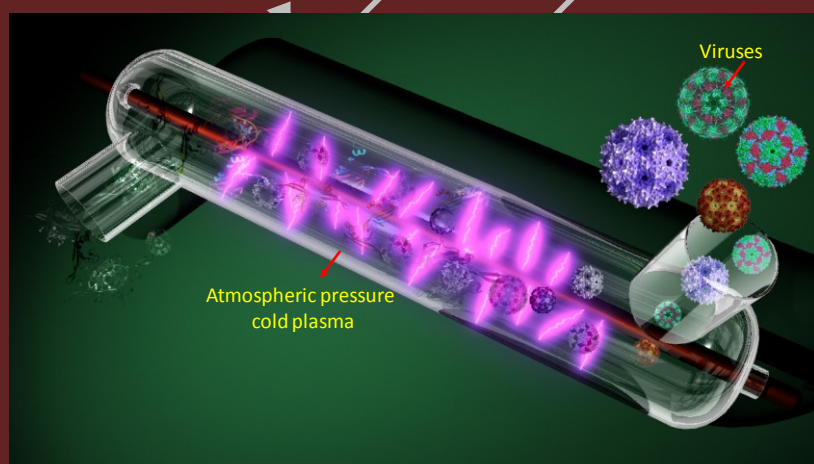
Peking University Bioaerosol Laboratory Bulletin (PKU-BLB)

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Congratulations
to Prof. Yao for winning the 2014 Kenneth T. Whitby award, one of most prestigious and competitive awards for young aerosol scientist in the world!

Prof. Yao was receiving the 2014 **Kenneth T. Whitby** award at 33rd AAAR conference held during October 20-24, 2014 in Florida, USA.



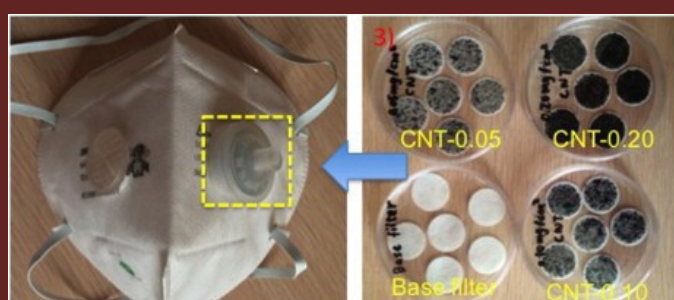
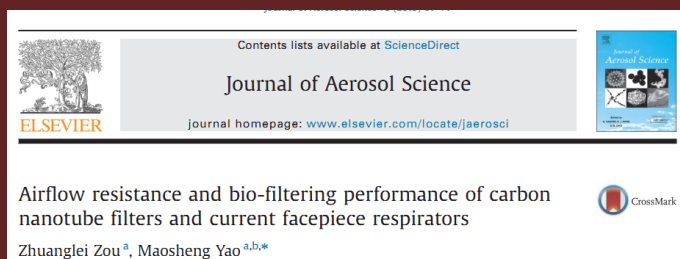
Our work in virus inactivation by atmospheric cold plasma was published in *Applied & Environmental Microbiology*- #1 cited journal in Microbiology category; #1 cited journal in Biotechnology & Applied Microbiology category

北京大学生物气溶
胶实验室

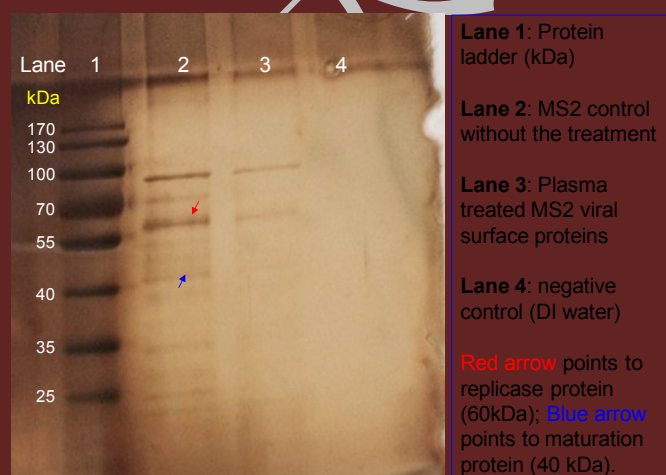
Beijing, China

Scientific Publications

1. Zhuanglei Zou & Maosheng Yao* (2015), Airflow Resistance and Bio-Filtering Performance of Carbon Nanotube Filters and Current Facepiece Respirators, *Journal of Aerosol Science*, 79(2015)61–71. [IF: 2.7]



2. Yan Wu, Yongdong Liang, Kai Wei, Wei Li, Maosheng Yao*, Jue Zhang*, and Sergey A. Grinshpun (2015), MS2 Virus Inactivation by Atmospheric Pressure Cold Plasma Using Different Gas Carriers and Power Levels, *Applied & Environmental Microbiology*, Accepted. [IF: 3.9] #1 cited journal in Microbiology category; #1 cited journal in Biotechnology & Applied Microbiology category



3. Currently, another four manuscripts are under review. We are expecting a number of significant papers to come out in 2015.

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).



Award highlight at the AAAR conference site



Picture with conference chair and award chair

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 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 Kai Wei has won the outstanding graduate student research+study award & also the “5.4” award.



Kai Wei, 3rd year PhD student, published one article in JAS, two under review

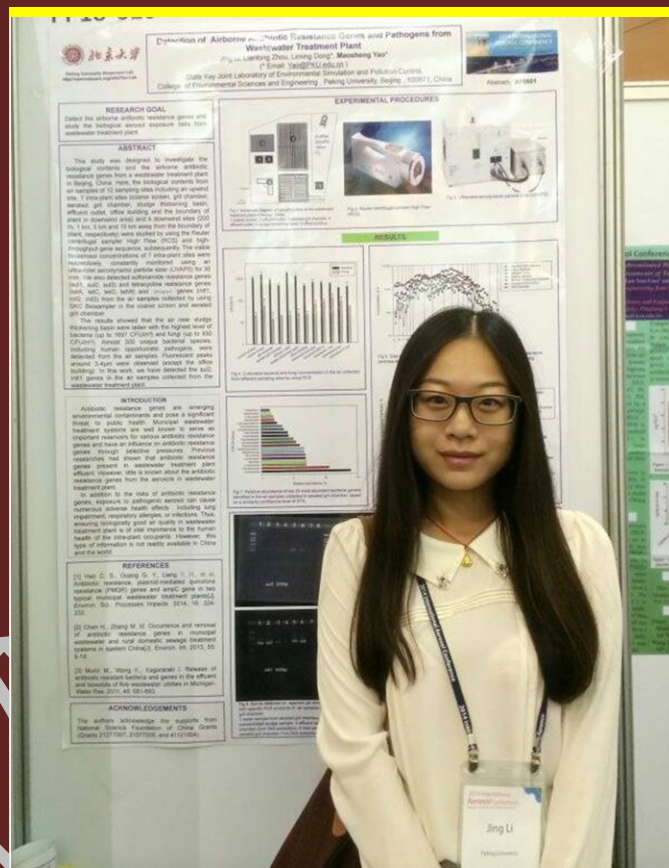
3. MS student Zhuanglei Zou has also won the outstanding graduate student research+study award, and recently published one article in Journal of Aerosol Science.



He is now looking for jobs.

His primary work is focused on nano-material filtration and characterization, especially on respiratory mask application.

4. 2nd Year PhD student Jing Li has won the national scholarship, one of most attractive graduate student awards. Jing already published two SCI articles, one in ES&T and one in Chinese Science Bulletin.



Jing was presenting her poster at International Aerosol Conference held in Busan, Korea

5. Prof. Yao was awarded the Peking University Outstanding Graduate Mentor Award & also recently won the National Outstanding



Environmental Technology Professional Award from China Environmental Science Association.

6. Undergraduate student Minghao Qiu has won the National Scholarship, and Jiahao Deng won the “5.4” Award, congrats!



**Minghao
Qiu**



**Jiahao
Deng**

Research Grants

1. Our group has won another NSF grant working on rapid detection of respiratory detection, and this is our 4th one from NSF of China, and also won a Graduate Supervisor grant from Ministry of Education.

Academic Conferences

1. Prof. Yao chaired Haze formation mechanisms and PM2.5 pollution control” 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 took place in Xi'an from Sept 4-6, 2014



2. Graduate student Yunnao Zheng was presenting her work at International Aerosol Conference held in Busan, Korea.



3. PhD student Kai Wei was presenting her work at International Aerosol Conference held in Busan, Korea.



4. Undergraduate student Hanqing Fan presented his subway work as a poster at the IAC.

Other Selected Scientific Activities

1. Prof. Yao gave a seminar entitled “Nano and Physics meet Biology: Lighting Up Bioaerosol Research” at Shanghai Institute of Applied Physics, Chinese Academy of Sciences on Sept 24, 2014; also at the 6th Annual Conference of Indoor Environment & Health Branch, Chinese Society for Environmental Studies on Sept 20, 2014.

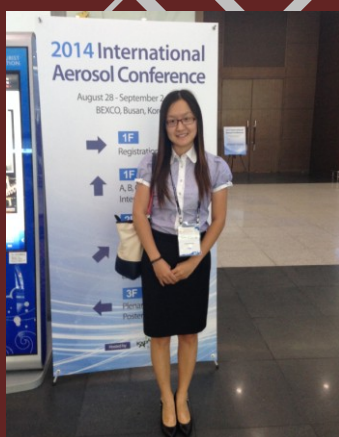
2. Our work on microbial exposure risk from the automobile air conditioner (published in ES&T) was cited by Rodale News located in New York in a story titled “Is Your Air Conditioner Making You Sick?” :
<http://www.rodalenews.com/air-conditioner-health-risks> .

3. Prof. Yao presented our group's work at LG Electronics Gasan R&D Campus in Seoul, Korea on August 27, 2014.



Student News

1 Graduate student Yunhao Zheng was appointed to be new lab manager of our group at PKU.



Yunhao Zheng was attending IAC in Busan, Korea

Academic & Social Gatherings



Students dining in Busan Korea during the International Aerosol Conference

Happy New Year 2015!!!

Our next issue is expected to be in April 2015 & we look forward to more good news from our group. 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.