

# Peking University Bioaerosol Laboratory Bulletin (PKU-BLB) Volume 11, Issue 1

April  
2023

**Project Launch Ceremony Held for National  
Science Foundation of China Creative  
Research Group Fund led by Prof. Yao!**

The National Science  
Foundation of China  
( NSFC ) Creative  
Research Group Fund  
(10 Million grant) led by  
Prof. Yao was approved  
and a launch ceremony  
was held at Peking  
University.



**Dr. Yao has  
successfully  
won a National  
S&T Dept Major  
project aimed  
at developing  
breath-based  
screening tech  
for COVID-19.**

## 关于国家重点研发计划“重大自然灾害防控 与公共安全”重点专项新冠肺炎应急项目 中央财政资金拨付的通知

北京大学:

你单位承担的国家重点研发计划“重大自然灾害防控与公共安全”重点专项新型冠状病毒科研发关项目“基于呼出气标志物快速筛查新冠肺炎的基础应用研究”(项目编号:2023YFC3041200,项目负责人:要茂盛)中央财政资金已经拨付,本次拨付经费总额

请按照“新型冠状病毒联防联控工作机制科研攻关组会议”精神和相关部署、新冠肺炎应急项目管理规定以及国家重点研发计划有关规定,切实做好新冠肺炎疫情防控科研攻关工作,资金专款专用,确保项目研究任务的完成。

特此通知。

中国21世纪议程管理中心

2023年4月3日



抄报:科技部资管司、社发司

抄送:中国生物技术发展中心

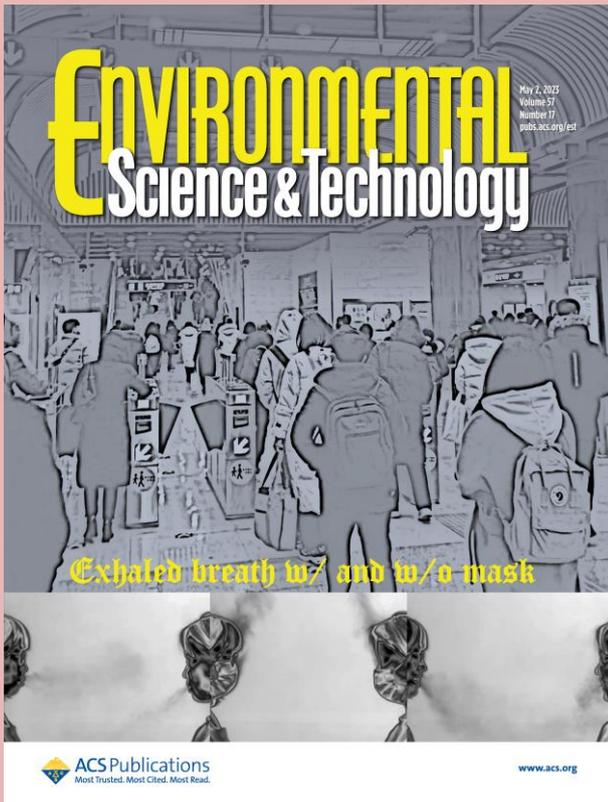
生物气溶胶实验室YaoLab

**北京大学生物气溶  
胶实验室**

**Beijing, China**

## Scientific Publications

1. We investigated the exhaled breath flow dynamics and transmission risks under different exhaling modes, and the work titled “Quantitatively Visualizing Airborne Disease Transmission Risks of Different Exhalation Activities through CO<sub>2</sub> Imaging” was published a supplementary cover by ES&T.



## Other Selected Scientific Activities

1. A launch ceremony was held for the National S&T Dept Major project aimed at developing breath-based screening tech for COVID-19. Dr. Yao was the PI for the project.



2. Dr. Yao's NSFC Outstanding Scholar Grant was completed and rated as one of five “excellent” s out of the 30 grant recipients in 2017.

### 关于国家自然科学基金资助项目批准及有关事项的通知

要茂盛 先生/女士：

根据《国家自然科学基金条例》的规定和专家评审意见，国家自然科学基金委员会（以下简称自然科学基金委）决定批准资助您的申请项目。项目批准号：

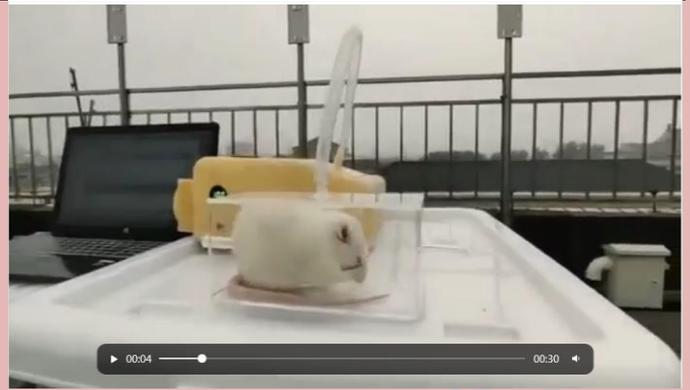
21725701，项目名称：生物气溶胶，直接费用：350.00万元，项目起止年月：2018年01月至2022年12月，有关项目的评审意见及修改意见附后。

请尽早登录科学基金网络信息系统（<https://isisn.nsf.gov.cn>），获取《国家自然科学基金资助项目计划书》（以下简称计划书）并按要求填写。计划书电子文件通过科学基金网络信息系统（<https://isisn.nsf.gov.cn>）上传，由依托单位确认后，自然科学基金委进行审核；打印为计划书纸质版（一式两份，双面打印）由依托单位审核并加盖单位公章后报送至自然科学基金委项目材料接收工作组。

3. Dr. Yao was selected as one of the “excellent” from College of Environmental Sciences and Engineering, Peking University.



4. Dr. Yao co-chaired the 7<sup>th</sup> National Bioaerosol Symposium held by Lanzhou University.



## Student News

1. Dr. Xinyue Li has won the prestigious Peking University "Boya" Postdoctoral Fellowship.



Our next issue is expected to be in August 2023 & we look forward to exciting news from our group. For other information, please visit our laboratory web site: [www.yaopkulab.com](http://www.yaopkulab.com). All contents contained in this document are copyrighted and explained by PKU Bioaerosol Laboratory.

5. Our lab has developed a mouse-based sensor system for real-time monitoring air toxicity.