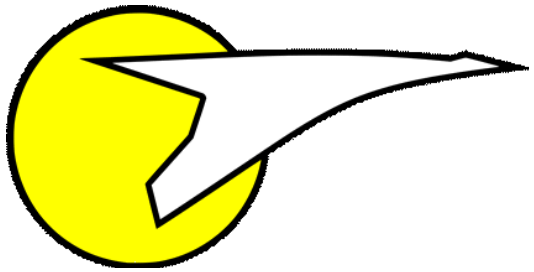
FRL DIRECTOR'S AWARD OF EXCELLENCE



Chang Shu

Bioaerosol Testing Facility Team

A multi-Research Centre and multi-Branch team led by Dr. Paul Lebbin is recognized for establishing a unique and novel facility along with the technical capability to perform bioaerosol testing in real-world environments. This facility and capability allows for deepening the fundamental understanding of how bioaerosols propagate in interior spaces as well as a means of assessing, in a representative environment, the performance of disinfection technologies such as novel filter media, ionization or UV light, in mitigating the risk of airborne disease transmission in aircraft cabins as well as interior spaces in buildings such as classrooms. The overarching contribution of this facility will be to alleviate the impact of future pandemics by facilitating the development of effective precautions, protocols and technologies.

This capability, which previously did not exist in Canada, was established in less than a year of funding approval and was achieved despite many challenges, including the storm in May 2022 that damaged the facility structure. The success of the initiative was made possible by the creativity, determination and perseverance of this collaborative team, which was comprised of Dr. Paul Lebbin, Brent Lawrie, Patrick Mayer, Jonathan Hamelin, Chiedu Obiaigwe, Luc Hurtubise, William Torrens, Corey Fice (DFS), Grace Zhou (CONST), Gregory Nilsson (CONST), Stephanie So (CONST), Chang Shu (CONST), Maurice Richard (RPPM), Brent Minard (RPPM), Kevin Li (RPPM), Martin Ma (RPPM), Christopher Eby (RPPM).

The team's performance exemplifies the FRL values of Balance, Enthusiasm, Excellence and Fun (BEEF).

Kirk J. Shaw
Director, Research and Development
Flight Research Laboratory
Directeur, recherche et development
Recherche en vol
November 2022

National Research Council Canada

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