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News Release



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CardioPulmonary Vascular Biology COBRE Administrative Supplement Funded

The VA Providence Healthcare System announced today that The National Institute of General Medical Sciences (NIGMS) has awarded the VA Providence CardioPulmonary Vascular Biology (CPVB) COBRE just over \$1 million dollars to fund a team of scientists investigating right side heart failure.

Right heart failure often occurs in people with high blood pressure in the lungs, also known as pulmonary hypertension which affects the blood vessels in the lungs. About 1 % of world's population has pulmonary hypertension, commonly associated with heart and lung diseases. There are no specific treatments for right heart failure. The outcomes of these studies are expected to help find new treatment approaches.

This team of multidisciplinary scientists from 4 Rhode Island institutions are: Drs. Peng Zhang (Medicine, VA Providence), Bum-Rak Choi (Medicine, Rhode Island Hospital), George Karniadakis (Applied Mathematics and Engineering, Brown) and Richard Clements (Biomedical and Pharmaceutical Science, URI). The team will work together using state-of-the art methods and new data science approaches including artificial intelligence to understand what causes the right side of the heart to fail.

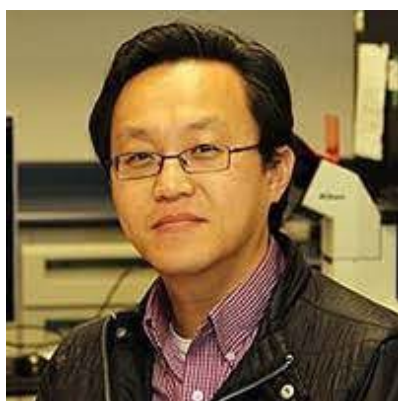
The CPVB COBRE led by Drs. Gaurav Choudhary and Elizabeth Harrington and has been based at the Providence, VA since 2013. The vision of the COBRE is effective therapies for blood vessel diseases, based on mechanistic understanding which is accomplished through research by a group of outstanding investigators who are using cutting edge tools to understand diseases of the blood vessels. Since the beginning of their funding the CPVB COBRE has funded 41 investigators from various Rhode Island academic institutions.



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