CANADIAN WOMEN'S HEART HEALTH CENTRE | NATIONAL ALLIANCE

Canadian Women's Heart Health Alliance

Knowledge Translation and Mobilization Working Group | Member Profile

Stephen Wright, B.PHE, M.Sc., PhD
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University of British Columbia
Kelowna, BC | **@TheWrightHeart**
Member since 2021

Biography

Stephen is a member of the Integrative Cardiopulmonary Physiology Laboratory at the University of British Columbia – Okanagan Campus. He previously completed his Ph.D. in Medical Science and M.Sc. in Exercise Science at the University of Toronto and Mount Sinai Hospital.

Stephen's integrative human cardiovascular physiology research is focused on interactions between the heart and the lungs, the cardiovascular adaptation to exercise, and sex-related differences in cardiorespiratory physiology. His Ph.D. work included cardiac catheterization-based studies describing hemodynamic responses to exercise in healthy older adults. Current projects include the characterization of right ventricular systolic function in the setting of heart failure and pulmonary hypertension, and cardiac effects of altered breathing mechanics in chronic obstructive pulmonary disease.

Highlighted Publications

Wright, SP., Dawkins, TG., Eves, ND., Shave, R., Tedford, RJ., and Mak, S. (2021). Hemodynamic function of the right ventricular-pulmonary vascular-left atrial unit: Normal responses to exercise in healthy adults. In press, *Am J Physiol Heart Circ Physiol.*

Wright, SP., Groves, L.,Vishram-Nielsen, JKK., Karvasarski, E., Valle, FH, Alba, AC., and Mak, S (2020). Elevated pulmonary arterial elastance and right ventricular uncoupling are associated with greater mortality in advanced heart failure. *The Journal of Heart and Lung Transplantation*, 39(7):657-665.

Wright, SP., Opotowsky, AR., Buchan, TA., Esfandiari, S., Granton, JT., Goodman, JM., and Mak, S. (2019). Flow-related right ventricular to pulmonary arterial systolic pressure gradients during exercise. *Cardiovascular Research*, 115(1): 222-229.

Highlighted Recognitions

2019 **Siminovitch-Salter Award** *for outstanding scholarly contributions by a Ph.D. graduate*
Institute of Medical Science, University of Toronto

2018 **Team Innovation Award** *for The BREATH Program.*
Peter Munk Cardiac Centre, Toronto General Hospital

2017 **3rd Place Research Competition Finalist, Canadian Cardiovascular Congress**
Canadian Cardiac Transplant Network/Canadian Heart Failure Society