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Paul Fedak is a cardiac surgeon and translational scientist at the University of Calgary. Dr. Fedak is committed to the innovation and translation of new surgical therapies for patients with advanced heart disease. He has pioneered novel sternal closure techniques and is currently developing tissue engineering approaches to treat heart failure. He has expertise in surgery for bicuspid aortic valve and its associated aortopathy and leads a collaborative research effort with Northwestern University in Chicago to better understand mechanisms of progression and risk prediction.

Dr. Fedak is a graduate of University of Toronto medical school and completed further training in cardiac surgery (FRCS(C)) and biomedical science (PhD) in Toronto. He was awarded a Detweiler Fellowship from the Royal College of Physicians and Surgeons of Canada that supported advanced training in surgery for end-stage heart disease and complex valve repair at Northwestern University in Chicago. He was recruited to Calgary as a “Clinical Investigator” of the Alberta Heritage Foundation for Medical Research (AHFMR – now known as Alberta Innovates). He has published over 120 peer-reviewed original manuscripts and numerous book chapters. Dr. Fedak serves as an Invited Reviewer and/or Editorial Board Member for 16 leading biomedical publications. His research has been funded by the Heart and Stroke Foundation of Canada, Canadian Institutes of Health Research (CIHR), and National Institutes of Health (NIH/NHLBI). He is the recipient of numerous international and national research awards. Some of these include the C. Walton Lillehei Award (American Association for Thoracic Surgery), Vivien Thomas Young Investigator Award (American Heart Association), Paul Cartier Award (Canadian Society of Cardiac Surgeons), and Wilfred Bigelow Award (University of Toronto), Watanabe Distinguished Achievement Award (University of Calgary) and Calgary’s “Top 40 Under 40” (Avenue Magazine). He holds leadership positions in the American Association for Thoracic Surgery (AATS) and Society of Thoracic Surgeons (STS) and is a Fellow of the American Heart Association (FAHA). He is widely recognized as a knowledge and opinion leader in cardiac surgery.