

Dr. Alessandro Bertero is an Associate Professor in the Dept. of Biotechnology at the University of Torino, Italy. He first trained with the late Guido Tarone at the same institution, where he dissected the Melusin signalling pathway in cardiac hypertrophy and graduated for a BSci and an MSci. He then obtained an MRes and a PhD from the University of Cambridge by elucidating how TGF beta signalling controls the early differentiation of human pluripotent stem cells, working in the laboratory of Ludovic Vallier. Dr. Bertero performed his postdoctoral training with Chuck Murry at the University of Washington, where he determined the role of 3D chromatin organization dynamics during human cardiogenesis and in dilated cardiomyopathy. Dr. Bertero became a junior faculty member at UW in July 2019, and moved back to his alma mater in July 2021. His group aims to: (1) elucidate the gene regulatory mechanisms underpinning cardiac development and disease; and (2) leverage this knowledge to develop gene, cell, and tissue engineering strategies for cardiac therapeutics.