

Barbara Casadei is a *British Heart Foundation* (BHF) Professor of Cardiovascular Medicine at the University of Oxford and Honorary Consultant Cardiologist at the Oxford University Hospitals NHS Trust where she leads the *Cardiovascular Theme* of the *National Institute for Health Research (NIHR) Biomedical Research Centre*.

Professor Casadei graduated in Medicine (*cum Laude* & Gold Medal) at the University of Pavia, Italy and moved to Oxford in 1989 to undertake her clinical and research training. She was awarded the *Joan and Richard Doll Fellowship* at Green College in 1991, a DPhil in Cardiovascular Medicine in 1995, and a *BHF Senior Research Fellowship* in 2001.

Professor Casadei is a Fellow of the UK *Academy of Medical Sciences* and the current Immediate Past President of the *European Society of Cardiology* (ESC). As Vice-President of the ESC, she established the *Women in the ESC (WinESC)* initiative and the Society's *5-yr Strategic Plan on Research*, initiated a partnership with the *National Initiative on Gender, Culture and Leadership in Medicine*, Brandeis University, US, and with the Said Business School of the University of Oxford (*The Women Transforming Leadership Course*). More recently, she has established the *ESC Patient Forum* <https://www.escardio.org/The-ESC/What-we-do/esc-patient-engagement>, which has embedded patients with CVD in most ESC activities, and founded *EuroHeart*, an initiative supporting the assessment and improvement of quality of cardiovascular care in Europe <https://doi.org/10.1093/eurheartj/ehz599>.

She is member of several scientific advisory board (e.g., *CiberCardiovascular, Spain; Scuola Superiore Sant'Anna, Italy; LIRYC Research Institute, France; Fondation Leducq, France/USA*) and editorial boards (e.g., *Cardiovascular Research; Circulation; European Heart Journal; JACC: Basic to Translational Science; Circulation Research*).

She has delivered several keynote lectures including, *The William Harvey Lecture* on Basic Science and Silver Medal of the ESC, 2013; *The Thomas Lewis Lecture* and Silver Medal of the British Cardiovascular Society, 2014; *The Carmeliet-Coraboeuf-Weidmann Lecture* of European Heart Rhythm Association, 2015; *The Frontiers in Cardiovascular Biology Keynote Lecture*, 2016; *The Brutsaert Lecture* of the European Heart Failure Association, *The William H Gaasch Lecture*, University of Massachusetts, 2017 and *The Michael Sole Lecture* of the University Health Network & Sinai Health System Division of Cardiology, Toronto, 2019.

Professor Casadei provides a clinical service at the Oxford University Hospitals NHS Trust's John Radcliffe Hospital and leads a bench-to-bedside translational research programme, which spans from clinical trials to bench-based investigation in human tissue and cells.

Selection of publications illustrating her work

Mafham MM et al: COVID-19 pandemic and admission rates for and management of acute coronary syndromes in England. **The Lancet**. 2020 Jul 14;S0140-6736(20)31356-8.

Wijesurendra RS, et al: Lone Atrial Fibrillation Is Associated With Impaired Left Ventricular Energetics That Persists Despite Successful Catheter Ablation. **Circulation**. 2016 Oct 11;134(15):1068-1081. *Published with an Editorial*

Zheng Z, et al: Perioperative rosuvastatin in cardiac surgery. **New Engl Med J** 2016;374(18):1744-53

Reilly SN, et al: Atrial-specific upregulation of miR-31 in human atrial fibrillation begets the arrhythmia by depleting dystrophin and neuronal nitric oxide synthase. **Science Transl Med** 2016 Vol. 8, Issue 340: 340ra74

Carnicer R, et al: Cardiomyocyte GTP Cyclohydrolase 1 and Tetrahydrobiopterin Increase NOS1 Activity and Accelerate Myocardial Relaxation. **Circ Res.** 2012 Aug 31;111(6):718-27

Zhang YH et al. A reduced phospholamban phosphorylation contributes to the impaired myocardial relaxation in nNOS knockout mice. **Circ Res** 2008;102:242-249 *Published with an Editorial*