**Biography: Professor Charmaine Childs**

Professor of Clinical Science, College of Health Wellbeing and Life Sciences.

Charmaine obtained her bachelor’s degree (Nursing) with professional qualifications from the University of Manchester, Master of Philosophy (Child Health and Physiology) from University of Nottingham and PhD (Medicine), University of Manchester.

Research positions include: Scientist, Medical Research Council (1996-2000), Senior Research Fellow, School of Medicine, University of Manchester (2000-2009) and Associate Professor, Yong Loo Lin School of Medicine, National University of Singapore (2009-2013), returning to the UK and her current appointment in June 2013. Charmaine works with a diverse group of clinicians, scientists, engineers, architects, and designers, bringing a rich national/international cross-disciplinary perspective to her research programme: Clinical and Imaging Biomarkers of Health and Disease

Currently, the focus is non-invasive imaging using long-wave infrared thermography in two specific aspects of disease prognosis. The first, early forewarning of surgical wound infection in women giving birth by caesarean section has won four international awards in the field of wound care. At the extremes of age, thermography is also being used as a novel technique to identify frail older people, with/without dementia, in a state of thermal discomfort.

With over 120 peer reviewed publications, work is available in scientific/clinical journals and book chapters. <https://www.shu.ac.uk/about-us/our-people/staff-profiles/charmaine-childs>. In 2020 Charmaine was invited as Editor of the European Wound Management Association (EWMA) publication: Birth-related Wounds <https://www.magonlinelibrary.com/doi/full/10.12968/jowc.2020.29.Sup11a.S1>

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**Web links**

<https://dunhillmedical.org.uk/success-stories/too-hot-too-cold-or-just-right-thermal-imaging-in-care-homes/>

<https://www4.shu.ac.uk/mediacentre/thermal-imaging-study-shortlisted-research-project-year>

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