

Duncan Casey  
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## Research interests

Dr Duncan Casey is Industry Fellow in the Bristol Centre for Functional Nanomaterials and a visiting lecturer at Imperial College, collaborating with Dr Nick Brooks on a range of biophotonics, instrumentation and soft matter projects. His role at the University of Bristol centres around developing industrially-linked research programmes with partners ranging from local SMEs to well-established multinational companies, as well as in commercialising the findings developed by researchers within the BCFN for maximum applicability and impact.

Duncan was formerly a post-doctoral researcher in the Proxomics group of the Institute of Chemical Biology, based at Imperial College. His research both then and now centres upon the development of tools for the manipulation and analysis of single cells and soft-matter structures, with a wider focus on the processes involved in cancer and aging. The Proxomics project was a collaboration between Imperial College, Aston University and the University of Glasgow, funded by the EPSRC.

He was also a member of the Membrane Biophysics group, where he completed his Ph.D. in 2012 after investigating the interactions between drug molecules and cell membranes in the movement of such molecules through the body. His lipid and surface chemistry experience have led to involvement in projects ranging in scope from medical imaging to diet and nutrition.

Outside his academic interests, Duncan is a founder member of anywhereHPLC, an Imperial Innovations-backed spin-out venture developing hand-held analytical tools for industrial, environmental and medical applications. The technology features a number of unique, proprietary features that allow the power and flexibility of traditional lab-based tools to be compressed into a pocket-sized platform, allowing reliable, rapid and affordable analysis at the point of sampling.

## Employment

### BCFN Fellow and Lecturer

School of Physics  
Faculty of Science  
United Kingdom  
1 Aug 2019 → 15 Sep 2020

### Founder

anywhereHPLC Ltd  
United Kingdom  
1 Jul 2014 → present