

STEM TECHNOLOGY & TOOLS

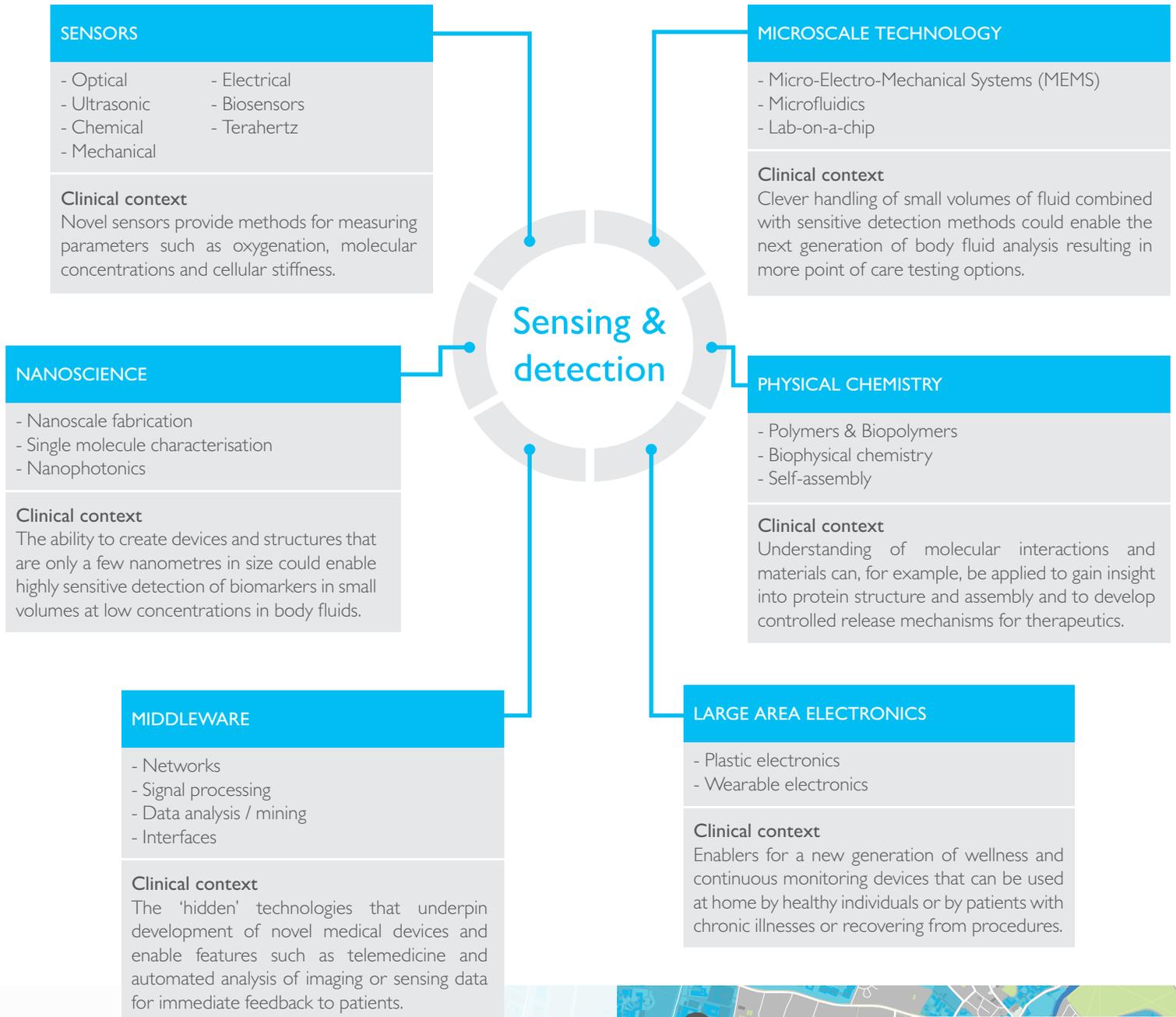
Sensing & detection capabilities

A common theme across many STEM research groups is the creation of new technologies and tools that could lead to a new generation of diagnostic tests and wellness monitoring. The work is wide-ranging, including novel sensors, microfluidics and nanoscience, all of which could enable more sensitive detection, as explained below.



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Overview

New STEM technologies and tools can be combined in a multitude of ways to provide new avenues for sensing and detection. To achieve success in this area, multidisciplinary collaborations combine, for example, optical detection expertise with physical chemistry knowledge and nanoscience fabrication to enable development of advanced molecular sensing. Extending such collaborations to include clinicians will enable further identification of where these technical solutions can meet clinical need.

To discuss opportunities contact EDadmin@hermes.cam.ac.uk



Locations

- 1 Physics
- 2 Electrical Engineering
- 3 Nanoscience
- 5 Engineering
- 6 Chemistry