Research Institutes

Prof Nick Wright
Types of Institute

• The University maintains different types of Institute:
  – In the Faculties of HASS and SAgE, Institutes are used to nurture significant areas of cross-disciplinary activity.
  – In Faculty of Medical Sciences, Institutes are the basic academic unit for staff with the exception of Ageing.
  – We have 3 special Institutes to support the Societal Challenge Themes
Faculty of Medical Sciences

- Scientists and clinicians work together in research institutes with a collective aim to make groundbreaking discoveries, to lead to the development of new medicines in the areas of:

  - Ageing
  - Cell and Molecular Biosciences
  - Cellular Medicine
  - Health and Society
  - Genetic Medicine
  - Neurosciences
  - Cancer

- Central Scientific Services support the research of all the institutes and links are maintained with the clinical specialities, maintaining access to stable and well characterised patient cohorts.
Faculty of Humanities and Social Sciences

- **Newcastle Institute for Creative Arts Practice** (NICAP)
  - The Institute for Creative Arts Practice is a hub for the creative arts at Newcastle University. It stimulates interaction between our creative practitioners and showcases their work, exploring ideas and challenging perceived boundaries between academic disciplines.

- **Newcastle Institute for Social Renewal** (NISR),
  - The Newcastle Institute for Social Renewal is the University’s response to the challenges facing society today. By bringing together our research with a social purpose we can make a difference to how individuals and communities thrive in times of rapid transformational change. As one of Newcastle University’s three Societal Challenge Themes it brings to life the University vision of a *civic university* with a global reputation for academic excellence.
Faculty of Science, Agriculture and Engineering

- The University has two interdisciplinary research institutes associated with the SAgE Faculty to reflect its world-class research capability:
  
  - **Newcastle University Institute for Sustainability**
    Drawing on Newcastle University's world-leading expertise in the fields of natural and urban environments, agriculture, transport, water, energy, marine technology and clean industrial production, the Institute for Sustainability has been established to develop innovative solutions to some of the world's most pressing problems.
  
  - **The Digital Institute**
    The Digital Institute works closely with researchers from a wide range of disciplines to solve challenging, real-world problems. Society is increasingly dependent on advances in digital technologies, and Newcastle's researchers are at the forefront of shaping our future for everyone's benefit.
Societal Challenge Themes

- Profound challenges confront societies in the UK and throughout the world.
- Addressing those challenges has brought an enhanced sense of purpose and focus to research at Newcastle University.
- Three over-arching themes bring the principles of global interest, scientific expertise and public engagement to research being conducted in the University:
  - **Ageing** – Newcastle University Institute for Ageing
  - **Social Renewal** – Newcastle University Institute for Social Renewal
  - **Sustainability** – Newcastle University Institute for Sustainability