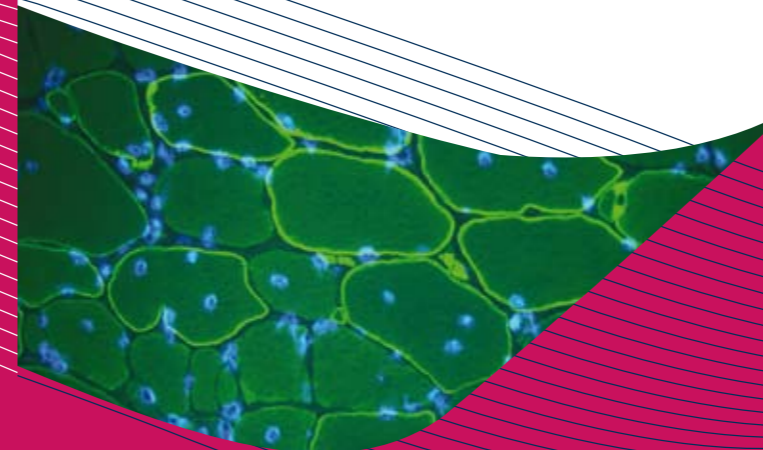




Driving the business
of life sciences



Ageing and Health
Capabilities in North East England



Cels' aim is to support and bring together the strengths of the region's research, clinical and industrial expertise and create a compelling environment for business development and growth.

- Biopharmaceutical Supply Chain
- Drug Discovery and Bio markers
- Regenerative Medicine

The exciting developments shown in this leaflet are just a small part of what is taking place in North East England and we are also active in these other key sub-sectors:



For more information on any of these areas,
email us at info@celsatlife.com or visit

www.celsatlife.com



Cels is the trading name for
The Centre of Excellence for Life Sciences Ltd

North East England is one of the most dynamic regions in Europe and we are driving the growth of its flourishing healthcare and life sciences economy.

Building on regional excellence in Ageing and Health, we support the development, adoption and availability of technology and practice designed to maintain or improve quality of life.



Creating a productive environment... offering seamless support.



Cels Group Initiatives

We work in collaboration with partner organisations to develop regional infrastructure in ageing and healthcare and provide support to companies and institutions engaged in commercialising related products and technology. Projects include:

ActiveAge

Our engagement with major corporate partners via ActiveAge, the international collaborative research consortium, is helping regional businesses address issues preventing the application and adoption of pertinent technology.

Academic Research

Newcastle University Institute for Ageing and Health

This world class facility brings basic, clinical and social scientists together in research on ageing, age-related disorders, and the health and welfare of older people.

Newcastle University Institute of Health and Society

Conducts internationally recognised research on population health, health services and health related social science.

Newcastle University Institute of Neuroscience

Fosters novel and integrative neuroscience research, collaboration, training and constitutes one of the largest groups of brain scientists in Europe.

Durham Centre for Biomedical Engineering

Heads a multi-disciplinary research team with members from mechanical, material, electrical and electronic engineering, plus orthopaedic surgery, rheumatology and rehabilitation.

Northumbria University Human Cognitive Neuroscience Unit

Internationally respected for its research into the effects of nutritional interventions on behaviour and for its specialism in diet, cognition and the elderly.

Northumbria University PACT Lab

Helps designers create everyday tools and technologies for older people and carries out focus groups, on-line and off-line research.

Clinical Expertise

National Institute for Health Research (NIHR)

The UK's outstanding NHS and University partnership, Newcastle upon Tyne Hospitals NHS Foundation Trust and Newcastle University, offers the UK's only Biomedical Centre specialising in ageing. The leaders in scientific translation here will be early adopters of new insights in technologies, techniques and treatments for improving health.

The Newcastle Magnetic Resonance Centre

Based in the Campus for Ageing and Vitality and undertakes research application of magnetic resonance spectroscopy and imaging. It also contains a high resolution 3 Tesla MRI scanner as well as a clinical PET - CT scanner for diagnosis of cancer.

Clinical Ageing Research Unit (CARU)

One of the Newcastle Biomedicine Clinical Research Platforms, the primary aim of CARU is to facilitate the development of early assessment and intervention strategies targeted at age-associated degenerative conditions. The facility also provides an ideal high-quality patient-friendly environment for phase II-IV clinical studies in the older patient.

County Durham Primary Care Trust

Delivers the County Durham Telecare Strategy and pilots telehealth equipment, examining its potential benefits.

Infrastructure

The Campus for Ageing and Vitality

Established to support interdisciplinary research on ageing across Newcastle University.

The Newcastle Brain Tissue Resource

A partnership between the Medical Research Council, local NHS trusts and Newcastle University, and stores donations of pre-mortem assessed and post-mortem brain.

Cels at Newcastle

Managed by Cels, this bio-incubator within the Newcastle University Medical School provides laboratory space and specialised business support for emerging biotech companies.

NETPark

County Durham based and offering specialist incubator space and services for start-up Biotechnology ventures.

The Industrial Base

Today, 16% of the North East's total employees work in healthcare and life sciences, the sector has a turnover of £8bn a year and the region generates 30% of the UK's economic output of pharmaceuticals.

Every kind of business, from multinationals to innovative spin outs and start ups is to be found here, including over 20 assistive technology companies.

They include companies involved in the design, manufacture and supply of equipment and medical devices as well as the design and manufacture of telehealth, care and security systems.

For a full picture of the organisations now operating in North East England, please consult our Directory.

Newcastle Science City

Capitalising on the world-class scientific research being conducted in Newcastle for the economic and social benefit of the City and the region, Newcastle Science City aims to create an environment that enables science and business to work together effectively by developing Newcastle's scientific research base, developing research sites, promoting science related subjects in schools and encouraging the commercial exploitation of scientific research within the Region.