

The Norwich Research Park

The Norwich Research Park Developments comprises the University of East Anglia, The John Innes Centre, The Institute of Food Research, The Norfolk and Norwich University Hospital, The Genome Analysis Centre and the Sainsbury Laboratory, in addition to an increasing number of companies. The Norwich Research Park aims to deliver solutions to the global challenges of healthy ageing, food and energy security, sustainability and environmental change. It is an international centre of excellence in life and environmental sciences research with world-class expertise in the research and development pipeline from genomics and data analytics, global geochemical cycles and crop biology, through to food, health and human nutrition. Our science transcends conventional boundaries by forging interdisciplinary links, with the social sciences and the cultural arts, thereby driving innovation, enterprise and promoting economic growth, and particularly underpinning a new bioeconomy.

NRP ENTERPRISE

The NRP will become one of the UK's leading Centres for Enterprise and Innovation in the Life Science and Creative Industries. Early stage enterprise activities will be driven out of the new Enterprise Centre that is located on the West side of the Research Park and grow in The Innovation Centre, The BioIncubator and the new Centrum Building all located on the East side of the Research Park and which will provide accommodation for companies in the range of 5 to 50 employees. By 2030, the Norwich Research Park will be:

- a world-renowned training ground for a new generation of entrepreneurial students and researchers that centres around enterprise, innovation and creativity in a new Enterprise Centre.
- an international exemplar of a 'next generation' science park, with a standard-setting, sustainable and excellent working environment that fosters co-operation, creativity, innovation and enterprise and is strongly integrated within the local community
- recognised as a world-leading centre for research and innovation by building on the uniquely powerful combination of the co-located world class life and environmental science research and teaching institutions, working to catalyse public-private sector interactions to address the global challenges of food and energy security, healthy ageing and environmental change
- a primary driver of the local, regional and national economy and an attractive destination for inward investment, resulting in a thriving community of high quality science, technology, agriculture and health related businesses providing an additional 5,000 jobs on 55 ha of development land that extends beyond the existing Park boundaries.

NRP SCIENCE

By 2030 Norwich Research Park will be the pre-eminent international science park conducting research in crops, food, health, genomics and environmental sciences. Utilising cross-park alliances to address the global grand challenges of the day, by integrating the activities of the world class bioscience, bioinformatics, physical, social and medical researchers and practitioners, the park will:

- be at the forefront of data-intensive biological and environmental sciences, a leader in bioinformatics innovation and in the application of genome technology
- develop strategies to address global food security through sustainable agriculture; improving crop yields; understanding how plants adapt to environmental stresses; understanding the mechanisms of disease resistance
- understand the physical, chemical and biological systems of the atmosphere, ocean and land and their interrelationship; discover the role human activity has had in modifying the natural environmental cycles and how mankind can adapt to these changes
- develop niche strengths in industrial biotechnology including methods to make use of agri-food waste for sustainable bioproducts, including fuels and for harnessing bioelectricity and energy transduction and storage
- discover the health potential of bioactives from plants as food constituents and investigate the relationship between diet and health, ageing and chronic disease

- explore microbial food-borne pathogens and their effect on food quality and health, and aim to discover and develop novel antibiotics and other bioactives from microbes and plants and improve therapeutic drug delivery
- develop foods with enhanced nutritional and functional properties that will underpin innovation within the commercial food sector to develop 'healthier' foods
- address the economic, social and presentational issues and that influence the adoption of science-based solutions to major global challenges by policy-makers and societies.

Norwich Research Park Creativity and Innovation in the Humanities

The NRP is developing a Centre for Creativity and Innovation in the Humanities (CCIH). UEA has consistently produced world-leading research in the humanities, fostering a research culture defined by interdisciplinarity and creativity. Norwich's designation as England's first UNESCO City of Literature builds on and enhances UEA's reputation for creative writing; the development of the International Writers Centre and the city's international accessibility make UEA particularly well placed to establish a world class research facility. Via the CCIH, UEA will develop an international exemplar of the intellectual and economic possibilities of interdisciplinary research in creativity and creative industries. As a base for the Humanities Graduate School, and its partners in the Consortium for Humanities and the Arts South-East England (CHASE), CCIH will showcase creative work, attracting practitioners, scholars and stakeholders from across the world, sustaining a programme of studentships, fellowships and visiting professorships. CCIH will generate opportunities for dialogue across humanities and science, providing an international showcase for UK research and cultural activities in creative writing; literary translation; digital history and heritage; digital humanities; film and media studies; world art history and world art studies; Japanese studies; liberal arts. The Centre will provide accommodation and interactive spaces for researchers, fellows and visiting Professors; facilities for the Virtual Past team enabling the expansion of digital heritage in conjunction with partners such as HEART/National Trust; access to UEA's literary archives; space for creative companies to operate and for creative entrepreneurship to benefit from research.

CCIH will facilitate new and/or expanded teaching initiatives and productive interdisciplinary interactions between researchers at all levels in areas including creative writing, media and visual cultures, history and heritage. It will:

- foster innovative interdisciplinary humanities research with an emphasis on creativity;
- build on world-leading research in the visual arts in East Asia and the Pacific to enhance research on/international links to South Asia, notably the arts/film/literary cultures of India;
- support the development of interdisciplinary research connections between humanities, sciences and social sciences (e.g. UEA Centre for Writing and Science; developing UEA's connections with Fudan University across climate science and creative writing);
- enhance an already outstanding AHRC-supported interdisciplinary postgraduate programme, providing an innovative postgraduate study centre incorporating production and studio space;
- facilitate public and researcher access to the literary archives donated to UEA;
- develop existing/foster new relationships with external partners in the areas of culture and heritage to ensure research with impact.
- Foster SMEs in the creative sector.

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