

Atos establishes Life Sciences Centre of Excellence to support researchers worldwide

London, UK; Paris, France - July 8 2020 – Atos, a global leader in digital transformation, in agreement with the Wellcome Genome Campus, in Cambridgeshire, UK, today announces its global **HPC, AI & Quantum Life Sciences Centre of Excellence** in order to provide organisations on Campus, and global genome and bio-data institutes worldwide, access to emerging HPC, AI & Quantum technologies.

The **Atos Life Sciences Centre of Excellence** will complement the existing Campus compute facilities with access to leading-edge technologies, such as Quantum, High Performance Computing and AI, supported by Atos' products, services and expertise in these sectors. Atos experts will collaborate directly with genome and biological data research scientists to help boost Life Sciences discovery and innovation.

"I am delighted that Atos is joining our Campus community, delivering greater insight into biodata at superior speeds and efficacy will lead to innovative new methodologies and products, as well as reducing the research-to-product development journey creating a significant positive impact for the various areas of life sciences", said **Dr Julia Wilson, Associate Director, Wellcome Genome Campus**.

"With significant development plans in place Atos will quickly become a valuable partner within our Campus community. Now is the time to power our research through the applied use of innovative technology that could greatly advance biodata research. This will lead to greater opportunities to translate research into tangible societal benefits", added **Dr Jo Mills, Entrepreneurship and Innovation Centre Manager, Wellcome Genome Campus**.

In this Centre, researchers and technologists worldwide will explore the different usages of technologies such as Quantum, High Performance Computing and AI through a broad range of activities such as proof of concept production, innovation workshops, courses and conferences.

[Atos Quantum Learning Machine](#), the [world's highest-performing commercially available quantum simulator](#), is already assisting the research analysis capability of organizations including [Bayer](#) in Germany, the [Computing Center for Research and Technology](#) (CCRT) at the CEA in France, The [Hartree Centre](#) in UK and [Oak Ridge National Laboratory](#) in the US.

Researchers will also be able to benefit from Atos' powerful [BullSequana X](#) supercomputers, which deliver high-performance computing power to support researchers achieve results faster. They are [being used today](#) across the globe to support the current fight against Covid-19.

Pierre Barnabé, Senior Executive Vice-President, Head of Big Data & Cybersecurity at Atos, said: "We are delighted to establish the Centre, as the potential for collaborative opportunity with Life Sciences institutes globally is enormous. Quantum, High Performance Computing as well as edge computing assisted by artificial intelligence hold exciting, transformative potential for the life sciences sector, and we are looking forward to applying these in real world scenarios by combining research expertise with our technological expertise to unlock opportunity."

The Centre is already operating remotely and is providing support to researchers worldwide studying many different aspects of Covid-19 such as characterizing the structure of SARS-CoV-2 to better understand its mechanisms of infection or modelling the spread of the disease by using mathematical methods.

Additionally, two demos are being developed which unlock the value of HPC and AI to model cardiovascular anomalies and to accelerate the interpretation of medical procedures. These will be showcased as soon as the Centre opens its doors.

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About Atos

Atos is a global leader in digital transformation with 110,000 employees in 73 countries and annual revenue of € 12 billion. European number one in Cloud, Cybersecurity and High-Performance Computing, the Group provides end-to-end Orchestrated Hybrid Cloud, Big Data, Business Applications and Digital Workplace solutions. In the UK & Ireland Atos delivers business technology solutions for some of the country's largest public and private sector organisations. The Group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and operates under the brands Atos, Atos|Syntel, and Unify. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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