

## International conference in Bangkok on cutting-edge nanotechnologies for health and wellbeing

Together with the University of Chulalongkorn in Thailand and the CDTI, CIC biomaGUNE is co-organizing a conference on nanoscience to be held from July 9 to 12

The aim is to report on the latest advances in nanotechnologies and biomaterials for the treatment of cancer, aging, neuroregenerative diseases, etc., and to build bridges between academia and industry between Spain and Thailand

**Donostia-San Sebastian. 9 July, 2024.** CIC biomaGUNE is the co-organizer of the international conference [Cutting-Edge Nanotechnologies for Good Health and Wellbeing](#), to take place in Bangkok (Thailand) from 9 to 12 July, 2024. This event, organized in collaboration with the [University of Chulalongkorn](#) (Thailand), [The Embassy of Spain in Bangkok](#) and the Center for Technological Development and Innovation ([CDTI](#)) of the Ministry of Science, Innovation and Universities of Spain, aims to present the most recent research findings on nanotechnologies and biomaterials for the treatment of cancer, aging and other health issues.

The conference will also serve as the final meeting of the [OXIGENATED](#) consortium, an EU-funded Horizon 2020 project aimed at improving the effectiveness of anti-cancer photodynamic therapy, which uses photosensitizer molecules and light to induce reactive oxygen species. The consortium comprising teams from across the world hopes to improve therapeutic efficacy by developing oxygen-delivering protein carriers that can target tumors (further information available [here](#)). OXIGENATED is coordinated by [Sergio Moya](#), lead researcher at CIC biomaGUNE's Soft Matter Nanotechnology Laboratory, which focuses on the development of biomaterials and polymer-based nanosystems for medical applications.

The conference will bring together more than a hundred research professionals and students from across the world. "This conference will be reviewing the state of the art and the latest research outcomes in nanotechnologies and biomaterials not only to treat cancer, but also to fight against aging and to improve the general wellbeing of the population," said Sergio Moya, president of the international organizing committee. The conference has invited speakers of international renown, including [Aitziber L. Cortajarena](#), the scientific director of CIC biomaGUNE and Ikerbasque Research Professor who will present their results in eight unique session themes.

The participation of the Center for the Development of Industrial Technology (CDTI) in the conference will enable bridges to be built between academia and industry through a symposium in which industrial links will be established between research centers, institutes, organizations and companies from both Thailand and Spain, and various opportunities for innovative and

technological collaboration to be explored. The event will include visits to Thai companies and institutes working in nanomedicine.

Also heading to Bangkok together with CIC biomaGUNE and the CDTI are representatives of research centers such as [NANOMED](#), [CIPE](#), [IMDEA Nanociencia](#), [INMA](#) and [VHIR](#), and enterprises such as [BioKeralty](#), [Curapath](#), [DIVERSA](#), [Nanoligent](#) and [NANOMOL](#), whose areas of expertise range from nanodiagnostics and nanomaterials with biomedical applications to nanodrug delivery, nanoformulation and the use of nanoparticles to achieve more effective therapies and more targeted and effective treatments for diseases. The Thai delegation, on the other hand, will include industry representatives of, among others, [KronoLife](#), [Nabsolute](#), [Sahara Dry](#), [Siam Bioscience](#), [Spike Architectonics](#), and government bodies, such as the [MHSRI](#) and the [PMUC](#).

## About CIC biomaGUNE

The Center for Cooperative Research in Biomaterials CIC biomaGUNE, member of the Basque Research and Technology Alliance ([BRTA](#)), conducts state-of-the-art research at the interface between Chemistry, Biology and Physics, devoting particular attention to studying the properties of biological nanostructures at the molecular scale, and their biomedical applications. It was recognized in 2018 as a “María de Maeztu” Unit of Excellence for meeting requirements of excellence, which are characterized by a high impact and degree of competitiveness in its field of activity on the global scientific stage.