

SUCCESS STORIES

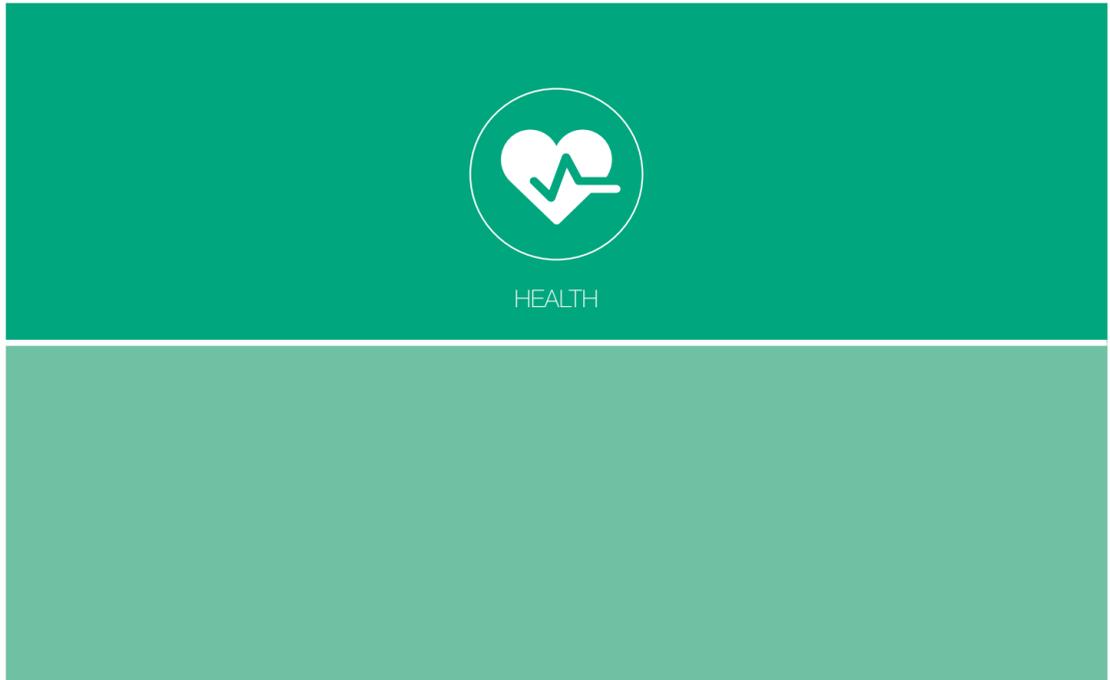
CAPSA	BAYER	IMOMA	OPHTHALMOLOGY INSTITUTE FERNÁNDEZ-VEGA
<p>Leading company in the national dairy sector and the first Spanish dairy company to be awarded the AENOR Healthy Workplace Certification. The company produces milk, enriched dairy products, cream, cheeses and yoghurts.</p> <p>Leadership in innovation is one of its cornerstones, working alongside other leading companies, universities and bodies to support R&D&i in projects with objectives such as discovering food products that may reduce the risk of chronic pathologies from middle age, and identifying factors which influence human microbiota and its role in obesity and associated disorders.</p>	<p>Multinational producer of raw materials for the pharmaceutical sector.</p> <p>The Bayer acetylsalicylic acid plant in Asturias is where 100% of the active ingredient for Aspirin is produced. Some 200 million units of aspirin are consumed around the world each day.</p> <p>Additionally, and as a result of its high levels of competitiveness, experience and quality, the Bayer plant in Asturias, plans to take on the worldwide production of an active ingredient for an anti-parasitic drug for pets.</p>	<p>The IMOMA is a private initiative by Corporación Masaveu, Cajastur and Medicina Asturiana to fight against cancer. Its care activities are based around three cornerstones: coordinated, relevant and personal attention towards patients, the integration of molecular biology advances in clinical protocol, and backing the very latest generation radiotherapy.</p>	<p>The Fernández-Vega Ophthalmology Institute undertakes specialised care activity in the field of Ophthalmology, attending around 100,000 patients annually, of which some 65,000 are from outside Asturias.</p> <p>Alongside this activity, it carries out clinical research to assess results, with a view to continuously improve and incorporate new medical-surgical treatments, improving traditional services and offering new products in the fields of ophthalmology and vision sciences, based on its R&D&i projects.</p>

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THE HEALTHCARE SECTOR IN ASTURIAS

The medicine and bio-sanitary industries are strategic sectors in Asturias.

With the drive of infrastructures such as the Central University Hospital of Asturias (HUCA), support for R&D projects from the University of Oviedo and the notable innovative activities undertaken by the Fernández-Vega Ophthalmology Institute, Asturias demonstrates its marked support for the development of biotechnology, bio-information and biomedicine.

1,433
Million euros

2015
budget

16,000
Jobs

Direct employment
positions

38 %
Regional budget

250
Companies

Connected to over
250 companies
from various
sectors

The Principality of Asturias Healthcare Service (SESPA), with a Budget of 1,433 million euros registered in 2015, has become one of the top "companies" in the Autonomous Community, with 16,000 direct employment positions and almost 38% of the regional budget. The SESPA is linked to over 250 companies in diverse production sectors with a turnover figure of over 400 million euros. Among them feature companies from the healthcare sector for the direct purchase of sanitary and medication products, but also generalised service companies such as surveillance, cleaning, the hotel industry, sanitary transportation, electrical supply, etc.



Asturias is a point of reference in Europe for active ageing.

The European Commission has chosen Asturias as one of the Reference Sites of Europe in innovation regarding Active and Healthy Ageing.



INNOVATION & TECHNOLOGY

HUCA. CENTRAL UNIVERSITY HOSPITAL OF ASTURIAS

The HUCA was created in 1989 through an agreement between the Autonomous government and the National Healthcare Institution (INSALUD), fusing the management of three centres: the Hospital Nuestra Señora de Covadonga, the Instituto Nacional de Silicosis, both from the Social Security, and the Hospital General de Asturias, owned by the Autonomous Community. HUCA is currently accountable to the SESPA.

The specific agreement signed between the University of Oviedo, the INSALUD and the Principality of Asturias which was approved in 1990, gives the HUCA its title as a University Hospital.

In 2013 the HUCA finalised the construction work undertaken on its current building in Oviedo. **The new HUCA forms a unique space for attendance, teaching and research**, generating synergies with the surrounding infrastructures: FINBA, the Public Healthcare Laboratory and the Vivero incubator of health science companies.

It has an outstanding strategy for **developing Healthcare Information Systems (EDESIS) at the core of the project to computerise the region's healthcare centres**. Among the projects launched by EDESIS are the integrated care information, the identification system for people and resources, departmental applications for pharmacies, laboratories and digital radiology image, and electronic prescriptions.

Regarding the care aspect, a particular emphasis is placed on development of devices and sensors used in the follow-up of distance biological indicators and their indication within the centre HIS system and the remote control of environmental parameters.

FINBA. FOUNDATION FOR BIO-SANITARY RESEARCH AND INNOVATION ASTURIAS

The FINBA is the body which controls the bio-medical research of excellence in Asturias. The organisation is backed by the Principality of Asturias in alliance with the University of Oviedo, supported by various companies which participate either as employers or benefactors.

It emerged with the aim of driving forward bio-medical research, benefitting from synergies with the Central University Hospital of Asturias (HUCA), with the objective of taking full advantage of the Asturian healthcare's wealth of knowledge and promoting collaborative work between the research teams.

BUSINESS INCUBATOR FOR HEALTH SCIENCES

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BIOBANCO

The BioBanco has over 60,000 human biological samples available to be used in research projects. It belongs to the National network of BioBanks from the Instituto de Salud Carlos III, which also forms a part of the European biobancosBBMRI network-Biobanking and Biomolecular Resources Research Infrastructure.

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The regional government promotes three fundamental lines within the OSBA: **the generation of a knowledge area about health information in Asturias; the guarantee that this information is comprehensible and that it reaches as many social representatives as possible, and finally to link health information from indicators to the different community activities undertaken in the field of health that are being developed in Asturias.**

It is a project undertaken in collaboration with the School of Public Health and Medicine at the University of Wisconsin, which are currently participating in the County Health rankings model in the United States.



Bio-printing: the Asturias Technological Production and Industrial Design Centre (PRODINTEC) is a benchmark in the field of 3D bio-printing in terms of technological development and experience in R&D projects through its roll to roll pilot line, thanks to over 10 years of experience in additive manufacturing technologies.

The objective is to one day use the same additive manufacturing techniques to produce human tissue and organs.

THE UNIVERSITY OF OVIEDO

Education in Biomedicine and Health at the University of Oviedo is among the most prestigious in Spain and houses numerous researches related to bio-technology, in particular at the heart of the IUBA (University Institute of Bio-Technology), the IUOPA (University Institute of Oncology of the Principality of Asturias) and the INEUROPA (University Institute of Neurosciences of the Principality of Asturias).

The Cluster of Biomedicine and Health, brings together over 70 groups that work at the forefront of current knowledge, following five basic lines of research:

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EDUCATION

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The following University of Oviedo Master's Degrees related to the development of the health sector are outstanding:

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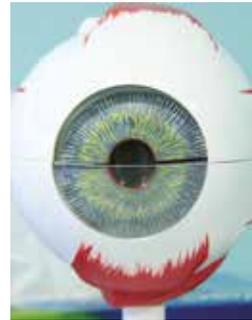


HEALTH

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EIP ON AHA
REFERENCE SITE



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