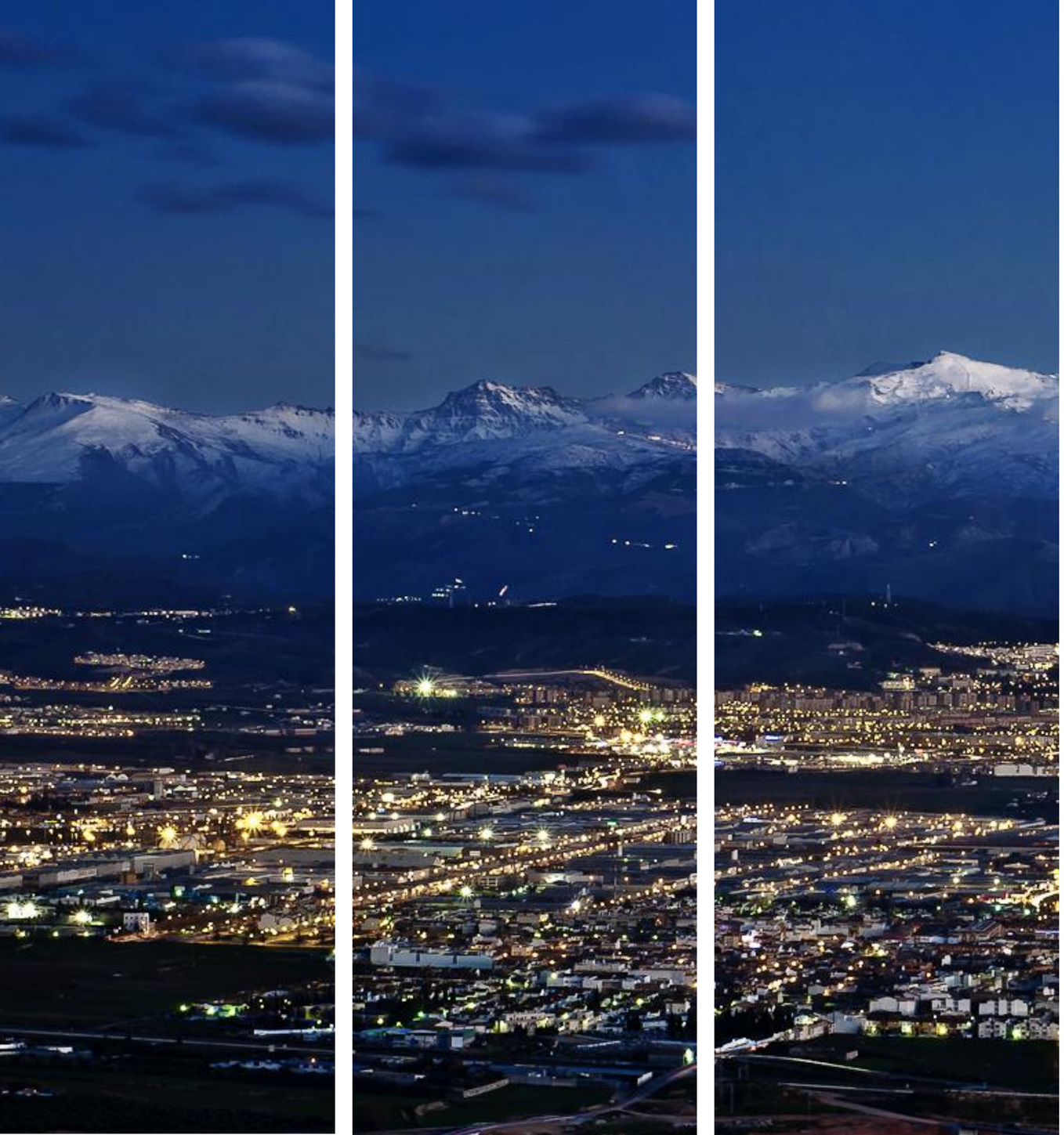

Biotechnology and Blockchain Innovations

How blockchain can be used in Biotech Companies?

María Ogáyar Luque

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ÍNDICE

1 PTS AT A GLANCE

2 APTE PERMISSIONED BLOCKCHAIN NETWORK

3 SECURITY CHALLENGES IN BIOTECH

4 EDIH- AIRAndalusia

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LOCATION

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BUSINESS MODEL

PATIENT CARE

TEACHING

RESEARCH

BUSINESS DEVELOPMENT

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ASISTENCIA
SANITARIA

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NEW UNIVERSITY HOSPITAL

www.ptsgranada.com

ASISTENCIA SANITARIA

ADVANCED MULTIFUNCTIONAL COMPLEX OF SIMULATION AND TECHNOLOGICAL INNOVATION C.M.A.T.

DOCENCIA

UNIVERSITY OF GRANADA

MEDICINE FACULTY

HEALTH SCIENCE FACULTY

- Nursery
- Physiotherapy
- Occupational therapy

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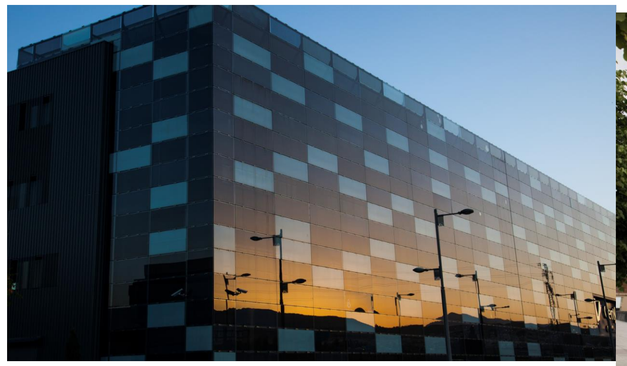
INVESTIGACIÓN



1 Center for Genetics and Cancer Research GENYO

2 MEDINA Fundation

3 Lopez Neyra Institute of Parasitology and Biomedicine

4 Biomedical Research Center

DESARROLLO
EMPRESARIAL

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Ideal space for the implantation of companies

- **Pharmaceuticals**
- **Biosanitary**
- **Agrifood**
- **Technologicals**

DESARROLLO EMPRESARIAL

SERVILENS

ROVI PHARMACEUTICAL LABORATORIES

VIRCELL

MASTER DIAGNOSTICA

INTERNATIONAL INSTITUTE OF PHLEBOLOGY

SUMMARY

The PTS in figures

25 **Buildings in operation**

109 companies and institutions

6.300 workers. 30% dedicated to R&D

130 M€ turnover in 2019

Committed Investment : ≈700 M€

Expansion of the Park: In phase of definitive approval PGOU Ogijares.

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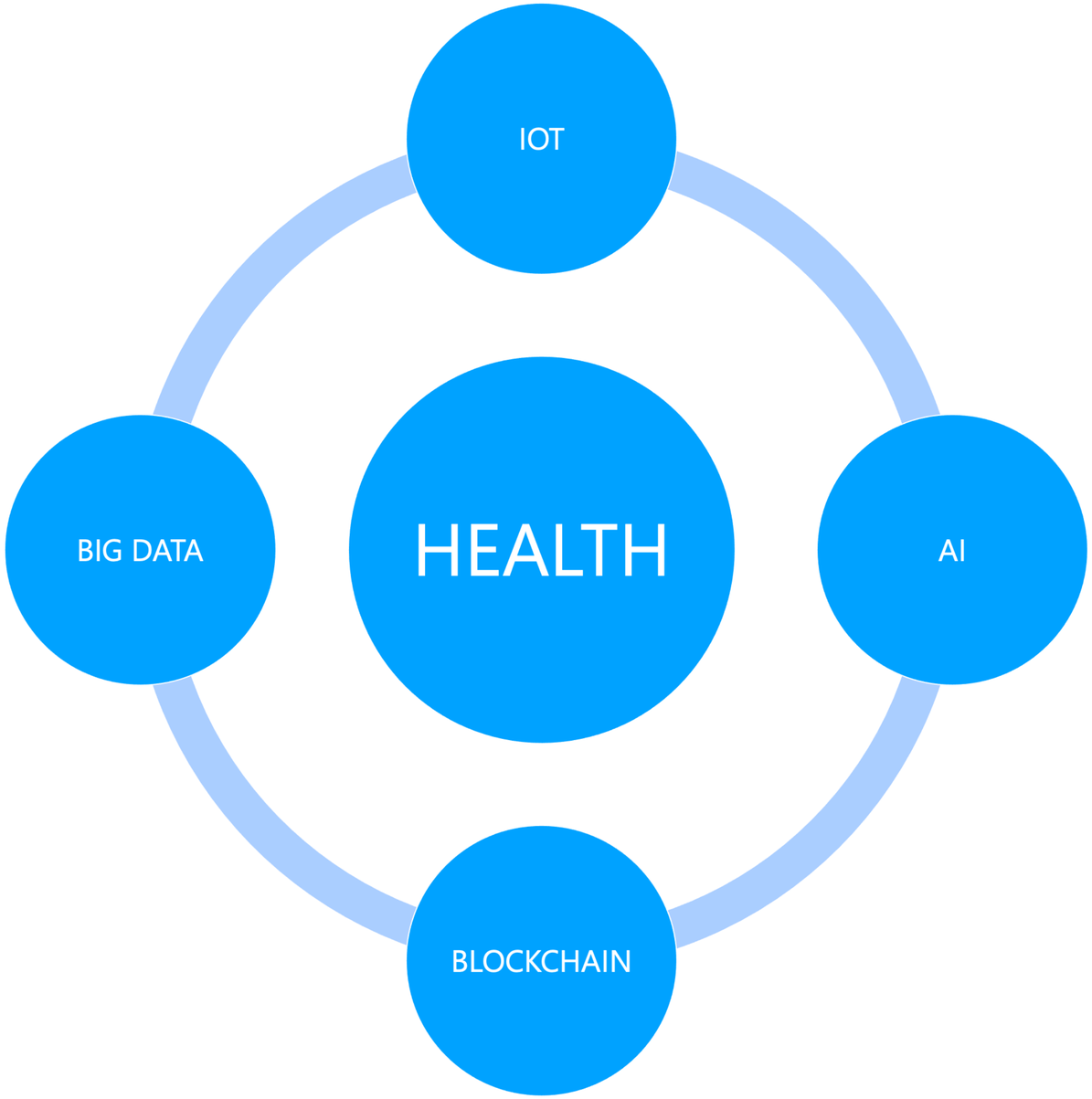

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EDIH for Innovation in Artificial Intelligence and Applied Robotics AIRAndalusia

Led by the University of Granada

Consortium between accredited Digital Innovation Hubs and other entities of interest

Offer services that facilitate innovation based on AI, robotics and disruptive digital technologies, to help in the process of adoption of the value chain, up to the end user

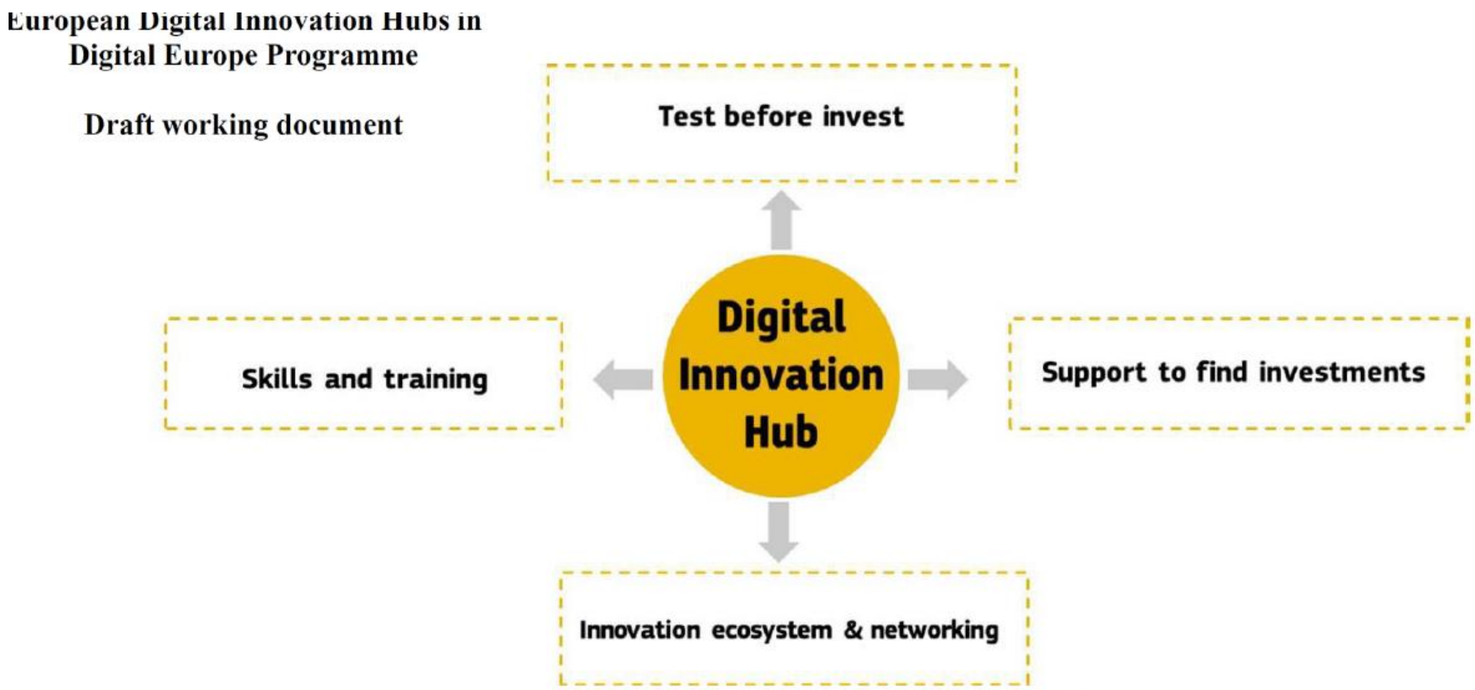
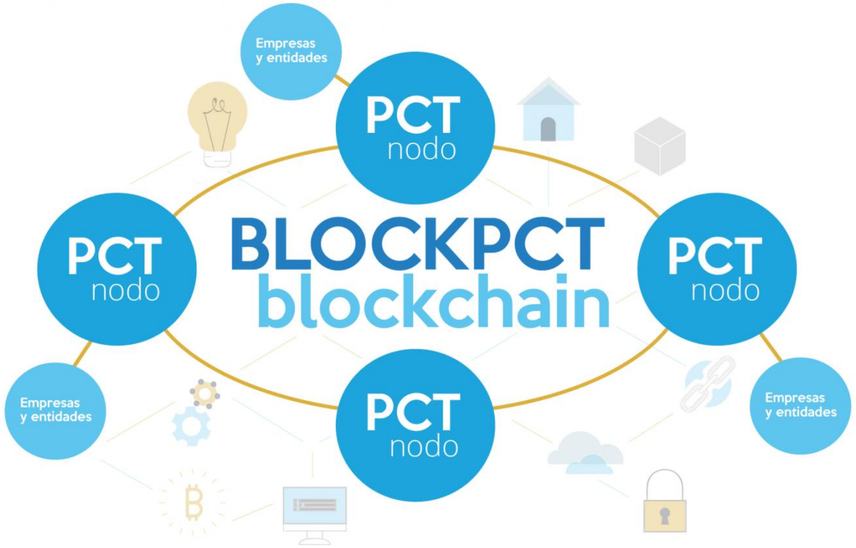


Figure 3. Main functions of European Digital Innovation Hubs

Red privada e independiente de blockchain de los parques científicos y tecnológicos españoles



APTE
Asociación de Parques Científicos y Tecnológicos de España

Con la colaboración de: Telefónica

1 Private and independent network will offer fast and secure access

2 With two use cases that will already be deployed

3 Easily test for which specific activities of your daily work you can use the APIs

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CYBER SECURITY IN HEALTH

1. ***Informatic security : Wide Wild West 2.0***

2. ***Security OT, IoT, IIoT, IoTM. Industry and The Art of Hacking Medical Data***

3. ***Demonstrating the cybersecurity of your products and systems through auditing and certification***

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