



A quick overview on R&I in health & ICT in the Ile-de- France Region

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An exceptional industrial et academic environment

Private companies

- 1st EU region in number of businesses in the **pharmaceutical** sector
- 2nd in number of businesses in the **medical equipment** sector: very high concentration in the field of **biomedical imaging** (major industrial groups : Siemens Medical Solutions France, Guerbet, Philips France, GE Healthcare, and a series of SMEs)
- 3rd rank for **biotech companies**.

Academic research & HE institutions

- about 40% of the national public research capacities in the field of health
- half of the INSERM research units, around 2 300 CNRS researchers,...
- 9 of the region's universities have programmes in the area of life sciences
- The bigger hospital network in the EU : **AP-HP = 39 hospitals** (more than 90 000 staff) and 24 000 beds → an ideal structure for clinical trials
- AP-HP = the 1st national institution for medical training and clinical research
- 90% companies specialized in the conduct of clinical trials in France are based in Ile-de-France.

World-class infrastructures and platforms for R&D in health

- **NeuroSpin** : research centre dedicated to neuroimaging

<http://www-dsv.cea.fr/en/institutes/institute-of-biomedical-imaging-i2bm/departments/neurospin-neurospin>

- **MIRCent** (Molecular Imaging Research Center): a preclinical research facility developed by the CEA and INSERM

<http://www-dsv.cea.fr/en/institutes/institute-of-biomedical-imaging-i2bm/departments/mircen-mircen>

- **l'Institut du Cerveau et de la moëlle épinière (ICM)**, R&I for better understanding and treatment of nervous system diseases and traumas (19.000 m² of research labs, technology platforms, a clinical research center and a business incubator) - http://icm-institute.org/menu/research/pathologies_eng?lang=en

- **Genopole** : the 1st French bioparc dedicated to genetics, genomics / post-genomics and biotechnologies : gathers public (21) and private labs, biotech companies (73) and 1 university - <http://www.genopole.fr/-About-Genopole-R-.html>

- **Canceropole**: pools cancer research in the region (7 members and 14 partner institutions) and includes more broadly all regional cancer research strengths. Multidisciplinary approach (medicine, biology, mathematics and computer science, physics, SSH,...) - <http://www.canceropole-idf.fr/en/research>

3 major clusters:

- **Cap Digital** : Digital content and services (robots, video games, knowledge engineering, e-learning and e-training, design...)
- **Medicen** : Innovative technologies for healthcare and new therapies
- **Systematic** : system design, complex infrastructure, embedded software (telecom, security, free software, optic, energy)

...joined forces to foster a regional ecosystem on ICT & Health

Together, they:

- federate **more than 400** companies, labs and medical services in the region
- challenge them in new R&D collaborative projects
- implement **a technology roadmap focusing on 4 areas**:
 - knowledge mngt, modeling and simulation, pharmacy and medicine ;
 - digital Imaging ;
 - medical devices ;
 - e-Health and telemedicine

The 3 cluster organisations regularly participates to EU projects: FP7, CIP, KICs, etc

Charles Foix Longevity Pole (<http://www.charlesfoix.fr/>)

A local partnership founded more than 10 years to propose innovative solutions to aging.

The cluster SOLIAGE (<http://www.soliage.com/english-version/>)

Based on the experience of the C. Foix Longevity Pole, SOLIAGE brings together regional (research, innovation & HE) stakeholders of the Gerontechnology sector and facilitates public-private collaboration.

SOLIAGE is involved in the regional bid for the Ile-de-France region to get the EIP AHA 'reference site' label

SOLIAGE main missions:

- promoting innovative solutions for the elderly and their assistants;
- encouraging/supporting the creation, development and dissemination of innovative solutions with social and economic added value;
- developing links between the diversity of actors by means of actions, tools and common services;
- contribute actively to the development of this emerging market by working with governments and local authorities;
- facilitating business for companies and raising users awareness of the knowledge and use of Gerontechnology.

Thank you for your attention !

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