

Genopole, a Bio-Park created in 1998 with 2 missions



To promote Research in genetics, genomics and post genomics.

To implement a Technopole fostering creation and development of biotechnology companies.

Genopole, N° 1 French Bio-Park



The score so far

	1997	2008
Academic Laboratories (933 employees)	2	20
Biotech Companies (1023 employees)	3	69
Large scale facilities	0	19
 Funds raised by Companies (M€) 	0	208
Total headcount	411	2293
Indirect	1000	6000
 Molecules or biotherapies ongoing preclinical & clinical trials 	0	28
• Real estate offer (m ²)	19000	87298

Our mission



University

Academic research

Incubator & biotech

hospital

Our partners



Rely on Genomics centers

- National Sequencing Center
- National Genotyping Center
- Genethon (Gene therapy)
- Genoplante Program (Inra)

Rely on strong academic partnerships

• UEVE (University), CNRS, CEA, INSERM, INRA (4 research institutes)

Extend the partnerships when appropriate (PSEVS)

- **❖TMSP**, ENSMP, ENSIIE (3 engineers schools: IT, Materials, Electronics, Management)
- CHSF: the Hospital (1000 beds)

Genopole science & Major programmes





Bioinformatics

Post-genomics

Genomics

- Creation of an Institute for Stem Cells (2005)
- Creation of an Institute of Systems and Synthetic Biology (2009)
- Creation of an Institute for Biomaterials (2010)
- Creation of a Center for Clinical and Translational Research (2011)



Why SSB at Genopole

Education and training

The research

The core facilities

Genopole® Evry, France Scientific animation and networking



Epigenomics Project:

2000: Inception & cooperation with IHÉS

2003: Physical space

2006: Increased operations and space

2010: Move in new building, pending Genopole® funding

Systems Biology: 1999

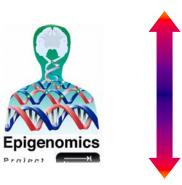
Synthetic Biology: 2005

Scientific Director: François Kepes (CNRS)

Scientific Adjunct Directors: Vic Norris (Univ Rouen); Gilles Bernot (Univ Nice)

Activities:

Research Network
(9 virtual laboratories)
Visitor's Programme
Scientific Events Programme
(~75 effective days per year)



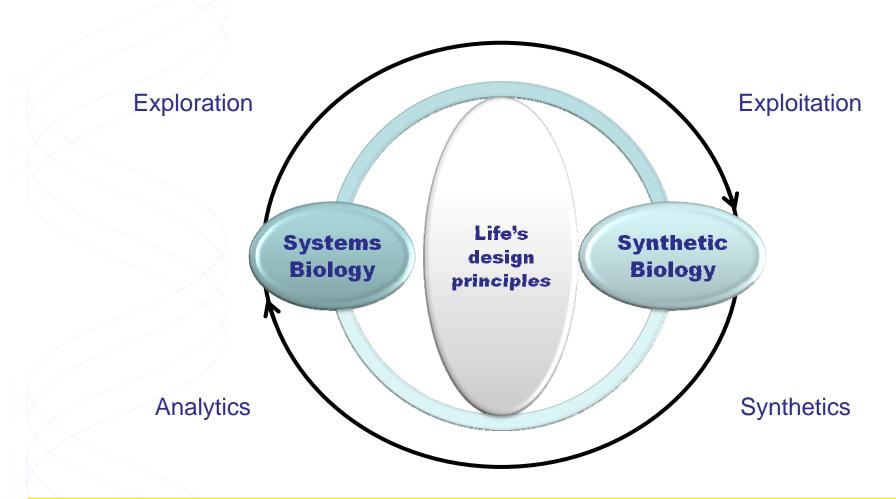
Partners:

France: Évry, Bordeaux, Montpellier, Brest, Rouen, Nice, Lyon, Grenoble, Orsay, Paris,

Foreign: UK, Spain, Belgium, ...

Coupling analytics and synthetics





The partners for iSSB







Why SSB at Genopole

Education and training

The research

The core facilities

Genopole® Evry, France Master 2 in Systems & Synthetic Biology



2010: Opening



Partners:

PRES UniverSud Paris: ECP, AgroParisTech; Telecom Sud Paris Europe: Negotiations with European partners



Why SSB at Genopole

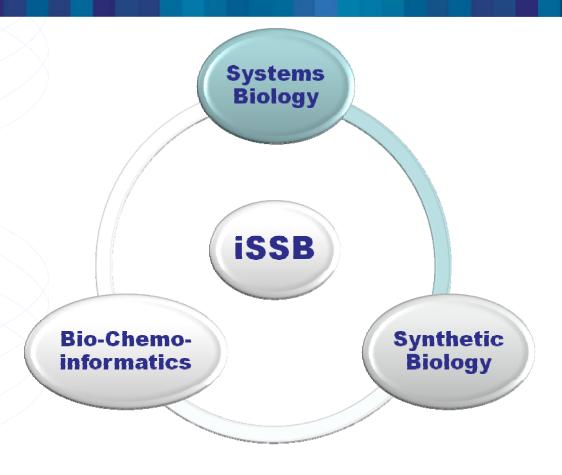
Education and training

The research

The core facilities

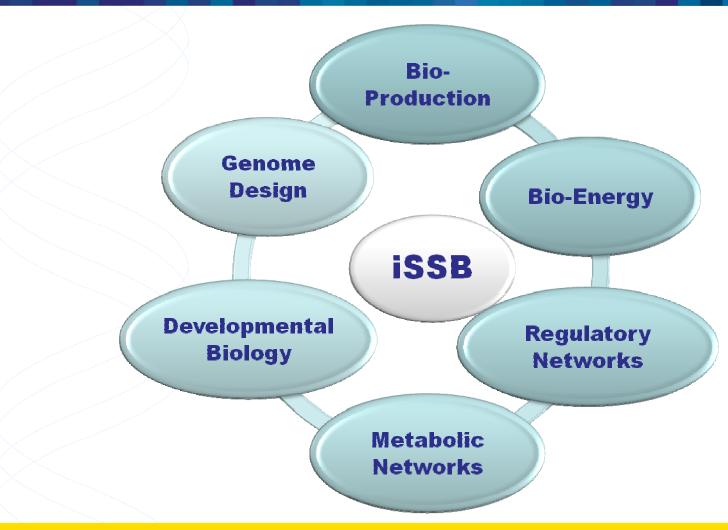
Teams: Subdisciplines





Teams: Objectives





The research teams



Metamorphosys

- P.I.: Nicolas POLLET
- Team
- (ATIGE 2007)
- CR1 9 people
- **CNRS UPS3201**
- **Epigenomics Project**
- since Jan 2009
- since March 2007

Modelling and Engineering Genome Architecture

• P.I.: François KEPES

- DR2
- **CNRS UMR8071**

since Feb 1999

Team

- 9 people
- **Epigenomics Project**
- since Feb 1999

Synth-Bio

- P.I.: Alfonso JARAMILLO
- CR1
- (Epigenomics Project)
- since Jan 2009

- Team
- (ATIGE 2008)
- 9 people
- Epigenomics Project
- since March 2008

Metabolic Engineering for Bioproduction

- P.I.: Jean-Loup FAULON
- PR2 UEVE
- **CNRS UMR8030**

since Sept 2008

- Team (ATIGE 2009)
- 8 people
- **Epigenomics Project**
- since April 2009



Why SSB at Genopole

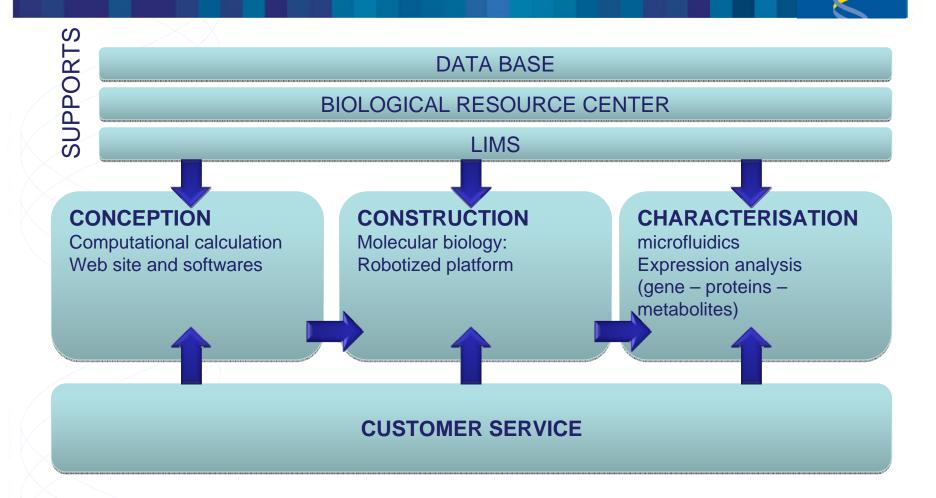
Education and training

The research

The core facilities

The core facilities







Why SSB at Genopole

Education and training

The research

The core facilities

The SME/Biotech



