

# 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  |
| <ul> <li>Molecules or biotherapies ongoing<br/>preclinical &amp; clinical trials</li> </ul> | 0     | 28    |
| • Real estate offer (m <sup>2</sup> )   | 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



Systemic & synthetic biology

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

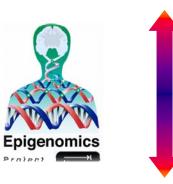
Synthetic Biology: 2005

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)



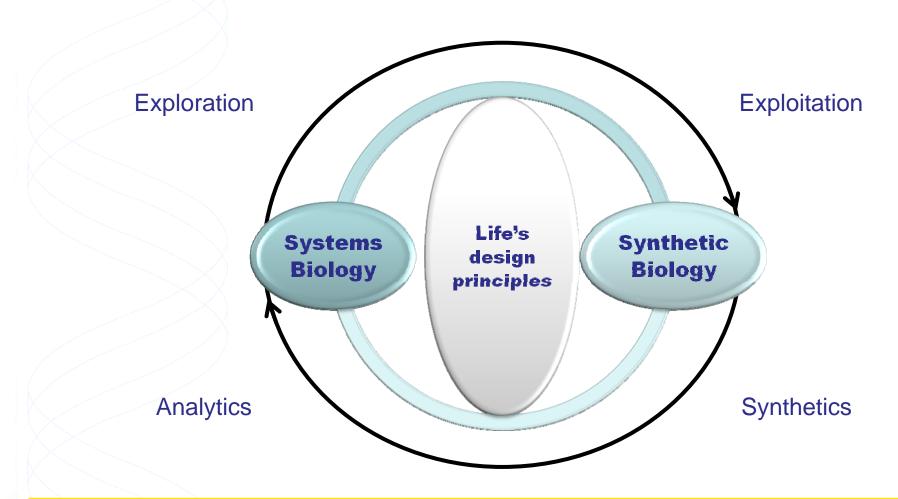
#### **Partners:**

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

Foreign: UK, Spain, Belgium, ...

### Coupling analytics and synthetics





## The partners for iSSB







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# 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

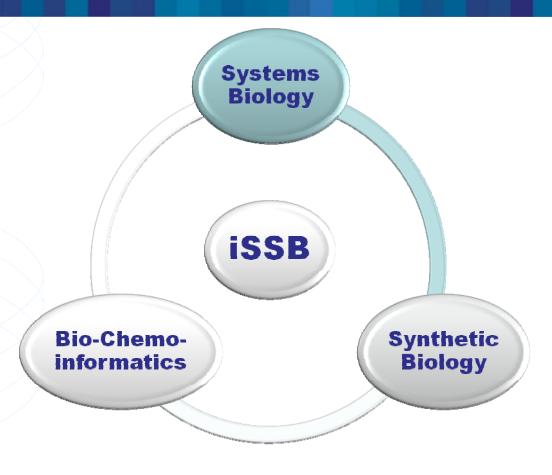
**Education and training** 

The research

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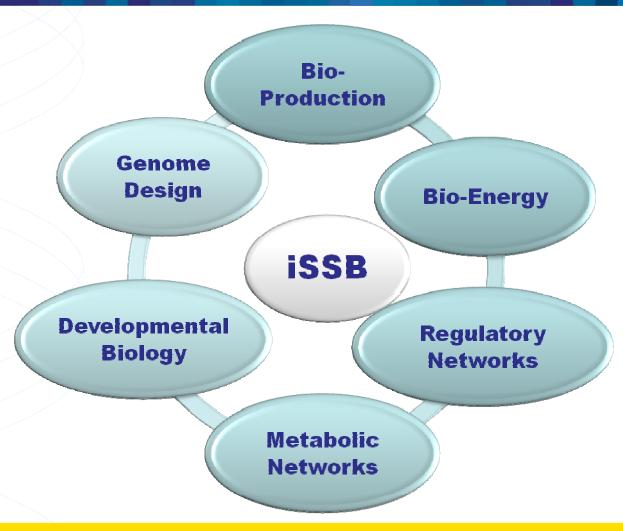
### **Teams: Subdisciplines**





### **Teams: Objectives**





#### The research teams



#### **Metamorphosys**

- P.I.: Nicolas POLLET
- Team

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
- Team

(ATIGE 2008)

- DR2
- 9 people
- CNRS UMR8071
- **Epigenomics Project**
- since Feb 1999
- since Feb 1999

#### **Synth-Bio**

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

- 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

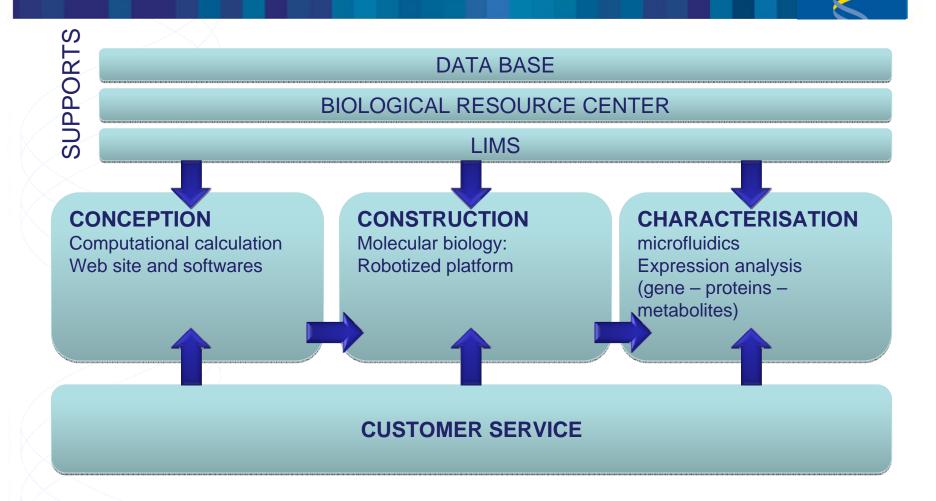
**Education and training** 

The research

The core facilities

#### The core facilities







Why SSB at Genopole

**Education and training** 

The research

The core facilities

#### The SME/Biotech



