



The Genopole[®] Directory - March 2006



SUCCEED TOGETHER IN BIOTECHNOLOGY



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Succeeding together in biotech

Since its foundation in 1998, and thanks to unwavering support from its partners, Genopole® has won a name for itself as France's benchmark science cluster for genomics and postgenomics and as an acknowledged biotech business location. The Genopole® portfolio contains 54 innovative biotech companies - over half of which are located on the Evry-Corbeil campus, in proximity to 23 academic research labs.

Exchanging skills, pooling experience, sharing resources and assets - these are the key strengths which have guided the activities of the Genopole® teams. We have implemented a broad range of tools and shared facilities, in order to meet the needs of scientists and bio-entrepreneurs.

The company and lab profiles assembled in this Directory will enable you to discover the diversity and richness of France's leading, genomics-dedicated biocluster.

Therapeutic innovation is a prime concern for the Genopole® stakeholders. The forthcoming establishment of a University Medical Center Unit on the Evry campus will complete the shaping of a biocluster from which novel drugs and innovative medical practices have already emerged.

Today, Genopole's® activities form part of a broader, dynamic process involving all of the Paris Ile-de-France region's key players in the healthcare and pharmaceuticals sectors. Within the MediTech Healthcare Competitiveness Hub, we are all pursuing the same objective: enabling the Paris Region to affirm itself by 2010 as Europe's leading industrial center for therapeutic innovation.



Thierry Mandon,
President
of Genopole®



Pierre Tambourin,
Chief Executive
of Genopole®

A common goal



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Inventing tomorrow's medicine, today

Launched in 1998 (on the initiative of the AFM, the French Muscular Dystrophy Association) by the French government and local authorities, Genopole® is a biopark devoted to genomics and postgenomics research and to the development of the biotech industry.

The Genopole® campus at Evry (just south of Paris) will soon benefit from the addition of a clinical research dimension, with the forthcoming initiation of the new South Ile-de-France Medical Center at the heart of the biopark.

In legal terms, Genopole® is a "Groupement d'intérêt public" (a form of public/private joint venture) whose founder members are:

- The French Ministry for Higher Education and Research
- The Ile-de-France Regional Council
- The Essonne County Council
- The Evry Centre-Essonne Metropolitan Area
- Evry City Council
- The University of Evry-Val d'Essonne
- AFM



Genopole®, at the heart of the MediTech Healthcare Paris Region competitiveness hub

This world-class cluster federates all the Paris Ile-de-France region's stakeholders in the hi-tech healthcare and pharmaceutical sectors. Its ambition is to turn the region into Europe's leading business hub for healthcare technologies and therapeutic innovation by 2010.

Our missions



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- **Building and stimulating a centre of excellence dedicated to genome science**

Establishing and hosting public- or private-sector research laboratories in genomics, post-genomics and related sciences, thanks to support from government research organizations (CNRS, CEA, INSERM, INRA) and in collaboration with the University of Evry-Val d'Essonne.



- **Reinforcing education in the life sciences and related disciplines**

Contributing to the development of life science education, the creation of joint research units between universities and government research organizations and the implementation of top-class teaching (in genomics, gene therapy and bioinformatics, etc.); establishing links with other university-based clusters in the Paris Ile-de-France region.



- **Promoting the creation and expansion of biotech companies**

Providing support to budding entrepreneurs for the creation and development of their biotech companies; attracting investors; putting together corporate finance projects; helping existing companies to relocate to the Genopole® campus.

- **Profile-raising and representing the campus and genomics**

Promoting debate between scientists and the general public; implementing ethical, social dialogue on issues in genetics and genomics; promoting the Evry-Corbeil business location internationally.



Genopole® Enterprises



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Facilitating and accelerating the creation and development of biotech companies



Three operational fields

- start-up assistance and financial support for biotech companies.
- promoting the relocation of existing companies to the Genopole campus.
- business development support.

Genopole's® key assets

Personalized, high value-added management: from the lab bench to the conquest of world markets

A multidisciplinary team with complimentary profiles, supported by a network of experts and working synergistically with bio-entrepreneurs. Genopole Enterprise's expertise

covers all aspects of a biotech company: proof of concept, intellectual property strategy, the industrialization process, market vision, competitive positioning, management, leverage of financial resources, business development, PR and advertising support, etc.

A committee of independent experts

The Genopole® Expert Committee - composed of renowned scientists and businesspeople - helps assess a project's scientific aspects and its technical and economic feasibility.

Early-stage financial support

The Genopole 1^{er} Jour pre-seed fund can invest sums of between €30,000 and €100,000 in the earliest development stages of a start-up project.

Appropriate business accommodation, infrastructure and services

Genopole® has more than 86,000 sqm of modular accommodation (start-up offices, a business incubator, business centers) specially adapted to meet a bio-entrepreneur's needs, a broad range of shared technology platforms and technical facilities and funding for the acquisition of heavy/semi-heavy equipment.

A stimulating environment and novel solutions for skills sharing

- The Biosupport Employers Group, enables a start-up to share the services of an administrative and financial director with other companies.
- The Biochip Innovation Group, brings together a dozen or so companies in this sector, with preferential access to the campus technology platforms (Open Biochip Center, Silanization Facility).
- A biomanufacturing center, due to open in 2007.
- A wide range of events (seminars, business clubs) promoting interaction and dialogue.

Genopole® - an economic reality

- A total of nearly **55** companies created or established in a range of business sectors.
- Nearly **€120 million** in finance raised over the last 6 years. More than **15** products in preclinical and clinical trials.
- The first Genopole-generated therapeutic products are due to reach the market in **2008**.
- More than **20** enterprises with revenue streams.

The Genopole 1^{er} Jour Pre-Seed Fund



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Meeting biotech's early-stage financing needs



Genopole 1^{er} Jour is a biotech-dedicated pre-seed fund. Since its creation in 1999, G1J has invested in 25 companies (with investments ranging from €30,000 to €100,000).

To date, G1J portfolio companies have raised 70 million euros in equity (seed finance, in first-, second-, and third-round financing) by institutional investors.

The G1J shareholders are as follows:

- CDC Entreprises
- Groupe Industriel Marcel Dassault
- Association Française contre les Myopathies (the French Muscular Dystrophy Association)
- Banque Populaire Rives de Paris
- SGF
- FTQ
- Matignon Développement 3
- The Essonne Chamber of Commerce and Industry
- Biogemma
- Crédit Agricole Ile-de-France
- Servier
- ACCOR
- Crédit Agricole Private Equity Holding
- IBM
- Proxidev
- Agro Partenaires Participations 2.

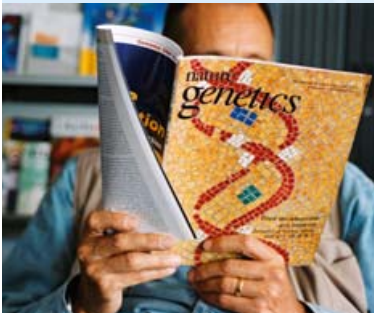


Genopole® Research



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Developing and stimulating a dedicated, multidisciplinary research and teaching cluster



Thanks to active collaboration with government research organizations and the Paris Ile-de-France region's universities, Genopole® is acknowledged as a top-class academic research site.

The campus hosts 23 research labs (including two national research centers, the Genoscope National Sequencing Center and the National Genotyping Center) in four major domains: **genomics/post-genomics**, **biophysics/biochemistry**; **bioinformatics/mathematics** and the **engineering sciences**. Innovative research themes such as **cellular medicine**, **gene therapy** (with Généthon and I-Stem) and **epigenomics** are strongly encouraged.



Genopole® has a **dedicated team and high-performance tools** for facilitating the establishment and development of research laboratories by offering researchers i) personalized assistance, ii) operational and discipline-specific accommodation iii) equipment grants and iv) access to shared infrastructure.

In addition to a pro-active prospecting approach, Genopole® has implemented **encouraging measures for attracting** top-class researchers, research groups and academic labs (from the Paris Ile-de-France region, other parts of France or even internationally) to the campus.

- **Establishment of new laboratories and support for fast-emerging research programs:**

- **stem cells and biotherapies.**
- **integrated systems biology** based on the interactions between physics, mathematics, computing and biology.
- **large-scale post-genomics.**

- **Reinforcement of skills and research potential.**

A variety of tools have been (or will shortly be) implemented:

- **Genopole® Research Group Establishment ("ATIGE") Grants.**
- **return grants for postdocs.**
- **high-level faculty appointments.**
- **visiting fellowships for foreign researchers (*under development*)**

- **Stimulation of the campus's research and teaching cluster:** high-level courses - a Thematic Spring School, the Epigenomics Program, multidisciplinary discussion workshops, seminars, colloquia, and so on.

- **Support for the creation of the University of Evry's Institute of Biology**

This institute will:

- promote closer links between campus-based university labs performing biology research.
- encourage shared use of lab equipment.
- facilitate access to specifically equipped premises.



The South Ile-de-France Medical Center



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Bringing therapeutic innovation to the patient's bedside



Construction of the new Evry–Corbeil Medical Center is set to start on a site neighboring the Genopole® campus. The establishment of this new hospital (due to open in 2010) will favor the implementation of a skills spectrum linking life science researchers, bio-entrepreneurs and medical practitioners.

The objective is clear: **rapid transformation of research results into innovative medical therapies.**

A University Medical Center Unit

The powerful move towards ever-closer collaboration initiated by the Genopole® and the South Ile-de-France Medical Center (“Centre Hospitalier Sud Francilien”, CHSF) will manifest itself through creation of a University Medical Center Unit within the new hospital. The Unit will perform high-level clinical research and care provision by capitalizing on the presence of biotech companies, the French Muscular Dystrophy Association and the many research labs (Généthon, Genhotel, the Molecular Neurogenetics Unit, etc.) on the Genopole® campus. In return, the Unit will enable fundamental research to benefit from progress in clinical research.



Two further actions have been implemented in order to promote synergy with the CHSF:

MD-PhD fellowships

In order to help train the University Medical Center Unit's future leaders, Genopole® is offering to fund medical practitioners wishing to enroll on a PhD course in a campus research lab. The 3-year MD-PhD fellowship will enable practitioners to devote themselves to a part-time PhD research program.

Clinical research/fundamental research days

Since 2003, Genopole® and the CHSF have organized an annual meeting which enables scientists and medical practitioners from the Evry-Corbeil site to discover each other's work and to identify potential collaborations.



Genopole® grants and support services



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Multidisciplinary teams for high added value, personalized support in an exceptional environment



Backed up by a network of experts, the “Genopole® Research”, “Genopole® Enterprises”, “Global Infrastructure and Platforms”, “Genopole® International” and “Genopole® Communication” teams offer researchers and entrepreneurs the following services:

- support for budding and confirmed bio-entrepreneurs.
- company start-up and financing.
- national and internationally business development support.
- company hosting/relocation and the fitting-out of operational, personalized premises.
- equipment grants (including heavy/semi-heavy equipment).
- installation of new technology platforms and technical facilities.
- access to joint infrastructure and shared services.
- individualized grants for researchers.
- reinforcement of scientific skills (postdoc grants, return grants, research group establishment grants, etc.).
- scientific events and networks.
- participation in European Union-funded programs.
- PR and advertising support and consultancy.

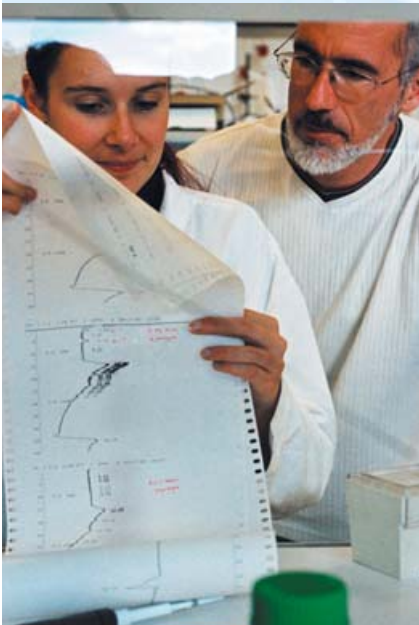


Genopole's Research Group Establishment Grants



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Contributing to the emergence of tomorrow's scientific leaders



- The Genopole® Research Group Establishment Grants (“ATIGE” grants, created notably thanks to funding from the Ile-de-France Regional Council) offer young researchers with permanent posts - tomorrow's scientific leaders - the possibility of establishing and developing a research group within an academic lab **located on the Evry campus**.

- The grantholders' research projects must meet at least three essential criteria:
 - acknowledged scientific quality.
 - an innovative or high-priority theme or a field of strategic interest for Genopole®.
 - the selected researchers must join a Genopole® campus lab with which they have not previously developed any research activity.

- The head of the host laboratory explicitly undertakes to provide specific lab/office space and access to the lab's experimental resources.

- An “ATIGE” Research Group Establishment Grant involves a financial commitment from Genopole® of around **€230,000 over a 3-year period**, corresponding to the group's basic funding and, in some cases, technical assistance.

Genopole® has awarded **11 ATIGE grants** since 2001.



Genopole's return grants



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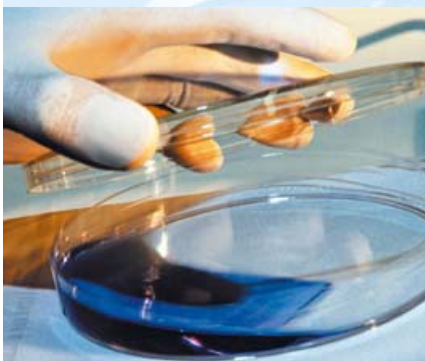
Encouraging expat researchers to return to France



This action (enabled by financial support from the Ile-de-France Regional Council) is exclusively targeted at **young researchers trained in France and who, after having performed postdoc training abroad, wish to be hosted in a Genopole® lab or company.**

Genopole® offers them the possibility of receiving a **€53,000, one-year return grant (renewable for a further year)** for developing a research program within the host organization.

Since its implementation, **42 post-docs researchers** have benefited from this scheme.



Scientific and industrial infrastructure



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Sharing expertise, skills and resources



Thanks to funding from the French Ministry of Research, government research organizations, local authorities (notably the Ile-de-France Regional Council and the Essonne County Council) and many other partners (notably the AFM, the French Muscular Dystrophy Association; the Regional Directorate for Industry, Research and the Environment and the University of Evry-Val d'Essonne) Genopole® has adopted a strong policy in favor of shared access to scientific infrastructure. The biopark offers a large range of technology platforms and facilities open to campus researchers and bio-entrepreneurs:

2 National Centers

- the Genoscope National Sequencing Center
- the National Genotyping Center

2 National Facilities

- the National DNA Microarray Production Facility
- the Plant DNA Microarray Platform

7 Technology Platforms

- the Center for Exploration and Experimental Functional Research
- the Imaging and Preclinical Evaluation Platform
- the Open Biochip Center
- the MicroScope Platform: databases for bacterial genome annotation
- the Mass Spectrometry Platform
- the EVR@ Platform: Virtual Environment and Augmented Reality
- the Optics Platform.

Opening soon

- the Genopole® -Mabgene Biomanufacturing Center
- the Biological Resource Center
- the Silanization Facility

In the planning stage

- the Small Animal Imaging Service.

6 Technical Facilities

- a cell irradiator
- transmission electron microscopy
- an NMR workstation
- atomic force microscopy
- a cell-sorting workstation
- the Business Incubator's technical facilities.

A international convention center: the Genocentre.

A private electronic library for Genocentre campus members.

An urban broadband network (Evry-Val d'Essonne Network).



Genocentre



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A forum for dialogue and knowledge sharing at the heart of Genopole®



As a meeting place, a forum for dialogue and an ideal venue for organizing conventions, colloquia and seminars, the Genocentre has been funded by the Ile-de-France Regional Council, the Essonne County Council and the AFM (the French Muscular Dystrophy Association).

Genocentre welcomes French and overseas participants in scientific, medical, business and charitable/voluntary sector activities.

Cutting-edge technology

- a 5,700-sqm convention center comprising a divisible, indoor amphitheater (from 270 to 700 seats) with a 100-300 sqm stage area, a television studio, 7 modular meeting rooms (from 12 to 400 sqm), a 400-sqm multipurpose area and a versatile 700-sqm plaza. Parking lots nearby.
- easy access for visitors with reduced mobility - Genocentre is the first convention center in the Ile-de-France region to have been awarded the "Tourism and Handicap" label of excellence by the French government.
- a building which is fully equipped with video, data and telephone networks for flexible use and interactive links between rooms and with the outside world.
- top-class audiovisual equipment: video projection, conference translation and video conferencing.
- furniture and fittings designed for optimal comfort of use, plus high-performance acoustic treatments in all areas.
- personalized "à la carte" services delivered by a team of professionals who will help you organize your event.

Over and above reserving a suitable room and the appropriate audiovisual services for you, the Genocentre team will advise you and, if necessary, contact external services providers (catering, transport, accommodation, decoration, fitting out, etc.).

Contact:

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Business accommodation



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A rich, diverse selection



With more than **86,000 sqm** dedicated to biotech, Genopole® is France's benchmark biopark. Space (from just 10 sqm up to several thousand sqm!) is immediately available.

The Genopole® Enterprise/CCIE business incubator

- **2,500 sqm** of biotech-dedicated premises.
- Space from **10 to 300 sqm** - rapidly available and excellent value for money.

The Genavenir business centers

- Made-to-measure business accommodation from **300 to 3,000 sqm**, ready for rental or hire-purchase and with complete freedom to fit out the lab/office space as required.
- Landscaped grounds and particularly stylish architecture.
- A full range of services within a radius of less than 2 km (hotels, company restaurants, schools, etc.); new projects planned in the immediate neighborhood (kindergarten, 3-star hotel) and the proximity of a 700-seat international convention center (the Genocentre).



22,000 sqm of real estate in the Evry and Corbeil urban areas

The **Leonardo de Vinci Business Park**, developed by the Evry-Central Essonne Metropolitan Council and the Paris Region Real Estate Agency:

- an easy-access, landscaped **33-hectare** (80-acre) business park.
- lots from **5,000 sqm to more than 10 hectares (25 acres)**.
- a quality environment, bordering a wooded area.



The Genopole® Enterprise business incubator



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Get your start-up project off to a good start. By choosing the Genopole® Enterprise incubator (funded and managed by the Essonne Chamber of Commerce and Industry and certified ISO 9001 (version 2000), you will benefit from rapid, easy access to:

- made-to-measure business accommodation and pre-equipped, modular lab space.
- shared facilities such as autoclaves, centrifuges, SpeedVac, spectrophotometers, freezers (-80°C and -20°C), a glass washing room, a cell culture room (37°C), a cold room (4°C), a photolab, a phosphoimager and other research equipment.
- reception, mailroom, secretarial, IT, cleaning, waste management and maintenance services, plus meeting rooms.

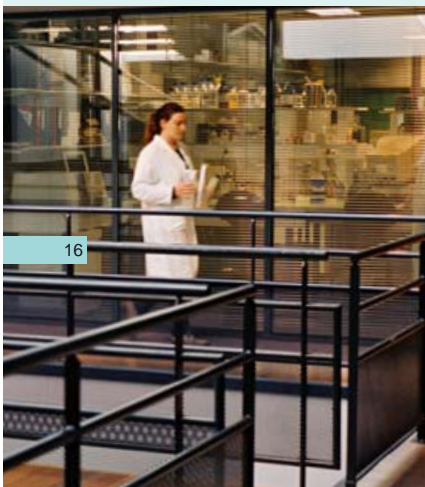


Incubating your start-up project at Genopole® enables you to:

- gain from the expertise of a committed, top-class, multidisciplinary team working side-by-side with you (regardless of your project's state of development) to optimize your chances of success.
- benefit from shared-access technological infrastructure suited to your activity and the immediate proximity of major national resource centers, CNRS, INSERM, INRA and CEA labs, as well as the campus's biotech companies and an international convention center.

**Contact: The Genopole® Enterprise Incubator
Jean-François Mistou - Director**

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The "Genavenir" Business centers



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At the heart of **Genopole® Campus 1 - France's leading biotech location**, with 48,000 square meters of existing lab space and service-sector accommodation and a further 32,000 sqm in preparation - Genopole® has exceptional business hosting capacity: 5 buildings are already in service (with 20,400 sqm of rental space) and 5 more are to be phased in over the 2006-2008 period (10,200 sqm for rental or hire-purchase).

These buildings benefit from an exceptionally auspicious immediate environment:

- landscaped grounds.
- a company restaurant.
- a hotel.
- 700-seat convention center.
- site video surveillance.



The stylishly-designed **Genavenir business centers** have facilities that are perfectly suited to the specific characteristics of biotech start-ups:

- highly modular surfaces, meeting a broad range of needs from **300 to 3,000 sqm**.
- complete freedom to fit out the lab/office space as required.
- a dedicated machine room and extensive technical installations in the basement.
- easy access for deliveries.
- parking lots.



SEM Genopole® (the mixed private-public real estate company which constructs and manages these buildings for boosting Genopole's® development) helps companies implement and finance their installations from day one. The company maintains a friendly, trusting relationship with its corporate tenants and is able to provide effective help as they grow and prosper.



SEM Genopole®

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Genopole® International



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Giving global exposure to the biopark



In collaboration with our partners at MediTech Healthcare Paris Region, BioTeam Paris Region, the Essonne Economic Development Agency and the Essonne Chamber of Commerce and Industry, the Genopole® International team strives to:

Promote Genopole's® potential to the international biopharmaceutical industry, research organizations, investors and foreign bio-incubators.

Help campus start-ups and academic labs to better manage their international activities.

Actively promote participation in European Union-funded programs.

Genopole® is a member of three European consortiums:

- **BioLink** with Oxford, Munich, Cagliari, Cardiff and Jerusalem.

Goal: good business incubation practice.

- **NATIBS** with Barcelona, Berlin, Ramat Gan, Stockholm, Tallinn, the Essonne CCI and Inno-TSD.

Goal: helping start-ups participate in the major European Union research and technological development programs

- **CEBR** (Council of European BioRegions) with the leading European bioclusters (Cambridge, Oxford, Berlin, Munich, Heidelberg, Barcelona, Uppsala, Tallinn, Flanders Bio, etc.).

Goal: organization of a major, pan-European biocluster conference.

Providing assistance to Genopole® members during major international meetings such as BIO, Biosquare-Biovision, Bio-Japan, BioForum Shanghai, etc.

Co-organizing targeted events such as Forum USA (for encouraging top-flight, French-trained researchers to return to the country) or FAID (the French-American Innovation Day).

Consolidating existing relationships in Europe, the USA, Canada, Japan, Taiwan, Russia, etc.

Prospecting for new collaborations in China, Korea and Brazil, amongst others.



Genopole® Communication



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Promoting Genopole® and its campus members

- Every year, Genopole® participates in major scientific and business-focused healthcare and biotech events in France and worldwide: the BIO (Biotechnology Industry Organization) convention, the European Biotech Crossroads, the European Research & Innovation Exhibition, the Capital-IT event and the BioMEDEC meetings, amongst others.
- In order to promote and add value to Genopole's® activities and to the results of campus labs and companies, the Genopole® Communication team has established close links with the media in general and the biotech press in particular.
- The Genopole® Communication department also places its skills at the disposal of campus companies and labs by providing logistical support and advice on public relations and advertising.
- A wide range of promotional tools has been put together for increasing the profile of the Genopole® location and the campus stakeholders: directories, activity reports, presentation brochures, newsletters, a web site, event booths, etc.
- Specific actions have equally been implemented in order to promote dialogue between site residents and to reinforce our campus culture - notably an intranet/extranet and a campus festival.



Developing socially responsible communication

Genopole® is deeply involved in civic debate on the life sciences. This socially responsible approach translates into a range of activities:

- organization of the "Junior Gene Cafés", enabling high school students to dialogue with campus researchers and businesspeople.
- regular site visits and an annual open day giving the general public access to campus labs and companies, as part of France's nationwide Science Festival.
- promotion of the public understanding of science via publications on a range of topics: GMOs, cloning, gene therapy, sequencing, and so on.
- Genopole's® participation in a number of civic communication actions alongside various partners, notably the "Knowledge Bank" with Essonne County Council, the "Ethics Rendezvous" with the Evry City Council and regular meetings with Evry's Neighborhood Councils.

