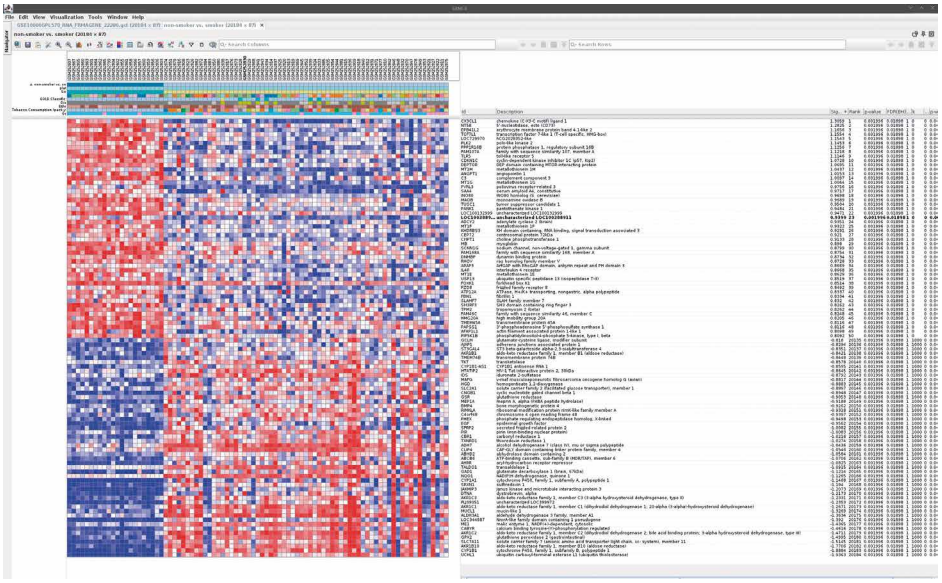
INSILICO
GENOMICS AT YOUR FINGERTIPS

Spin-off of the VUB research group COMO & ULB research group IRIDIA.

Established in July, 2012.

Milestones

- **July 2012**: Company Established.
- **November 2012**: InSilico DB bioinformatics platform published in scientific journal Genome Biology.
- **January 2013**: More than 1,000 online users subscribed to the free services online.
- **January 2013**: Licensing deal with ULB and VUB and start of commercialization.
- **March 2013**: Capital Increase of 1.2M€.



Further analysis of genomic data like finding most diffentially expressed genes between smokers and non-smokers, can be done with InSilico DB in one click.

InSilico DB: the smart way to manage genomics data

Genomics datasets are increasingly useful for gaining biomedical insights, with adoption in the clinic underway. However, multiple hurdles related to data management stand in the way of their efficient large-scale utilization. The absolute necessity of software tools to make sense of this huge amount of data and to manage it, causes medicine to be increasingly driven by IT and web-based solutions.

The InSilico Genomics Bioinformatics platform 'InSilico DB' is the foundation upon which to build a pioneering role in 21st century biology, taking care of the data aspects of modern biology and medicine. InSilico DB is used by bench and computational roles alike, which allows each to work independently and together to collaborate powerfully, resulting in a new level of possible results.

InSilico DB is a no-risk, turnkey solution for implementing or expanding genomics capabilities quickly and inexpensively. Using InSilico DB gives peace of mind as data are secure from competitor's view and safely stored and retrieved whenever needed. A fast, example-based blog makes it easy to get started using InSilico DB (https://insilicodb.org/blog).

InSilico DB has been published in top peer-reviewed journals such as Genome Biology and Bioinformatics, which makes InSilico DB the leading standard, citable, peer-reviewed solution to genome data analysis. By using InSilico DB, you can spend the time you need to contribute to the advancement of medicine through genomics.

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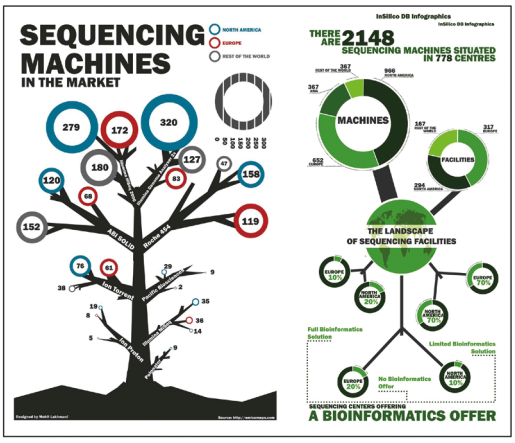
InSilico Genomics

Spin-off
Vrije Universiteit Brussel



Left: Type and number of sequencers per continent.
Right: Number of sequencers and sequencing centers per continent, and the completeness of their service.

History

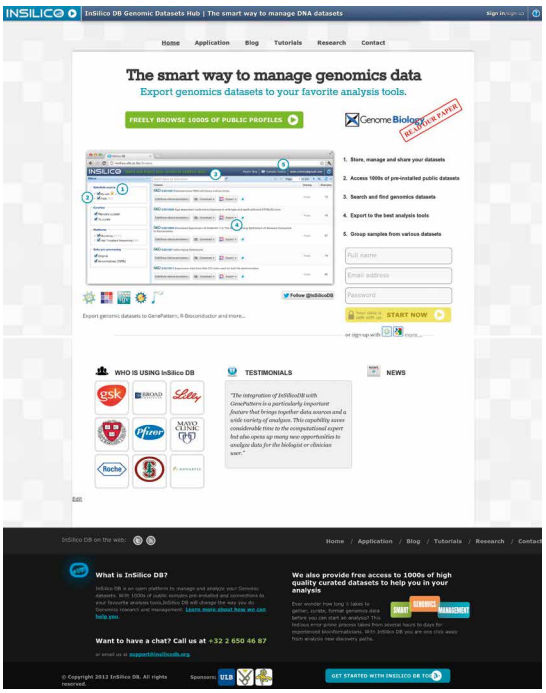
InSilico Genomics S.A. was founded in July 2012 by David Weiss and Alain Coletta. This spin-off initiative grew in the framework of the Impulse Program of Innoviris and the SOIB program in which the VUB research group CoMo (Prof. Ann Nowé) and the IRIDIA research group of ULB (Prof. Hughes Bersini) were involved. The main goal of the project at the start was discovering genetic markers of cancer aggressiveness and radiosensitivity in order to develop personalized prognostic tests. While developing the initial applications a centralized database was developed and used to help ease collaboration within the consortium as well as the collection and sharing of public datasets within the consortium. This database was the precursor of InSilico DB, the current industry-grade bioinformatics platform of InSilico Genomics S.A. Today InSilico DB has the largest ready-to-use biomedical relevant genome-wide datasets. InSilico DB supports the main genomics technological platforms, legacy and emerging and is integrated with the main free and paid tools for genome data visualization and analysis.

Handling genome and patient data

InSilico DB provides the following services to medical and research institutions handling genome and patient data ("Data"):

- Data storage
- Data archiving
- The computation on the data
- The security of the data
- Collaboration and data-sharing functions.
- Specialized "big data" hardware
- Tier-1 Internet connection
- Documentation: example-based blog and scientific papers describing the software.

Insilico is proud of its impressive client reference list. Leading companies such as Pfizer, GSK, Novartis, Roche, Mayo Clinic, Lilly... make use of the InSilico DB platform.



Preview Insilico DB platform:
1. Store, manage and share your datasets
2. Access 1000s of pre-installed public datasets
3. Search and find genomics datasets
4. Export to the best analysis tools
5. Group samples from various datasets

'Users of InSilico DB are riding the genomics wave!'

David Weiss, CEO

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