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# Agenda

- . Introduction to Genetrix
  - Definition
  - History
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  - IP at Genetrix
- . Research patents in Biotech SMEs: positive and negative effects
  - Doorways
  - Obstacles
  - Fortifications
  - Bridges

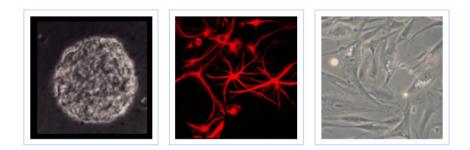
Alternative strategies, IP Resources for SMEs Summary: Pros & Cons of Research Patents



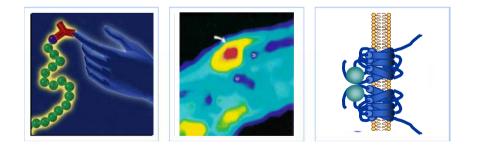
# Introduction to Genetrix



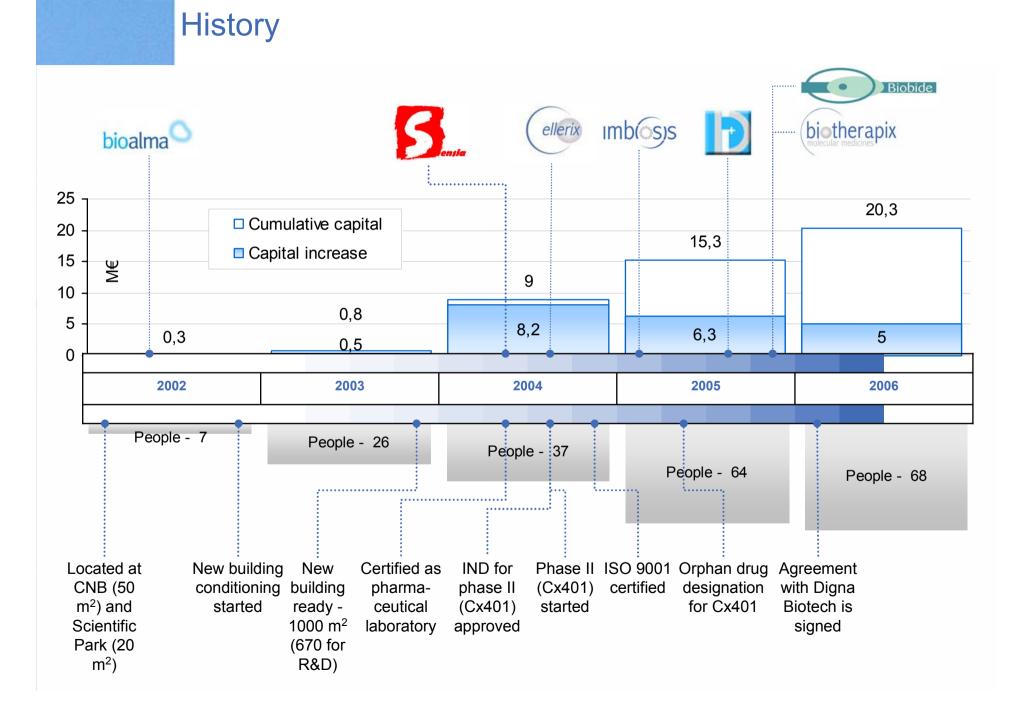
## Definition



Genetrix is a group of biotechnology companies specialising in biomedicine and engaged in the promotion of leading biopharmaceutical business initiatives. Genetrix's main goal is the translation of basic and clinical research results into Medicine.







# IP at Genetrix

- Genetrix collaborates in the creation of a knowledge-based society, attracting and developing IP to promote wealth and social benefits.
- Genetrix's objective is the generation of mid-term economic and financial wealth to its shareholders, through the promotion of new companies in the Life Sciences sector.

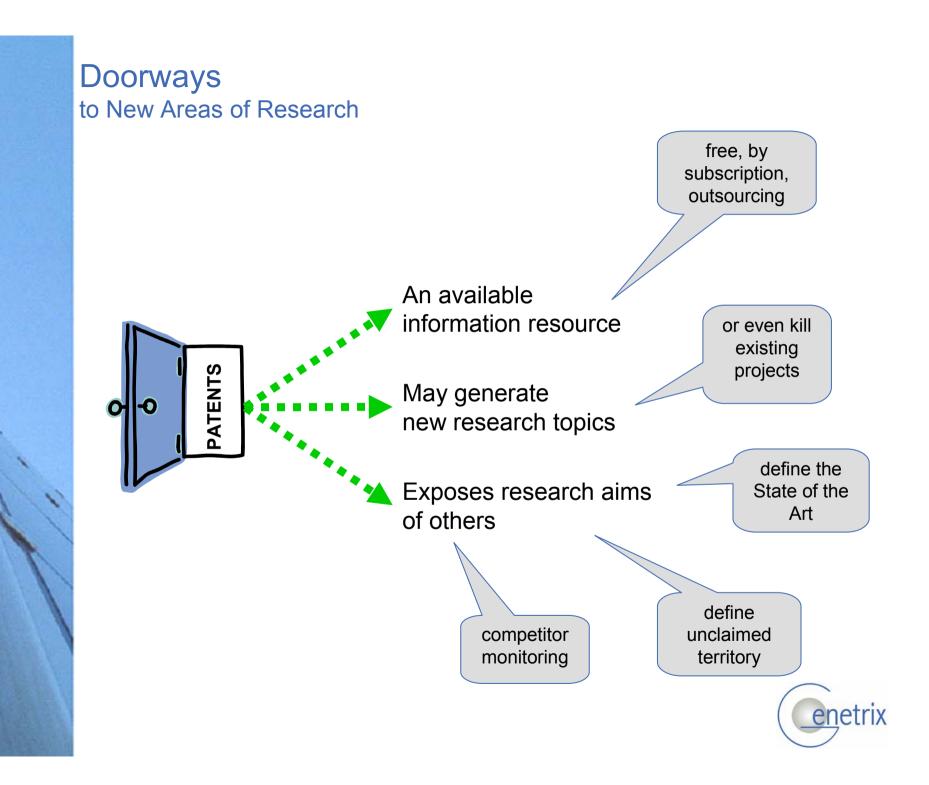
Spin-out company

- Genetrix has its basis on IP and aims to develop and exploit this IP commercially.
- The start-up of its activity was dependent on licensing or technology assignments.
- Genetrix's value is connected to its long-term growth potential, which is derived from knowledge, IP and management.

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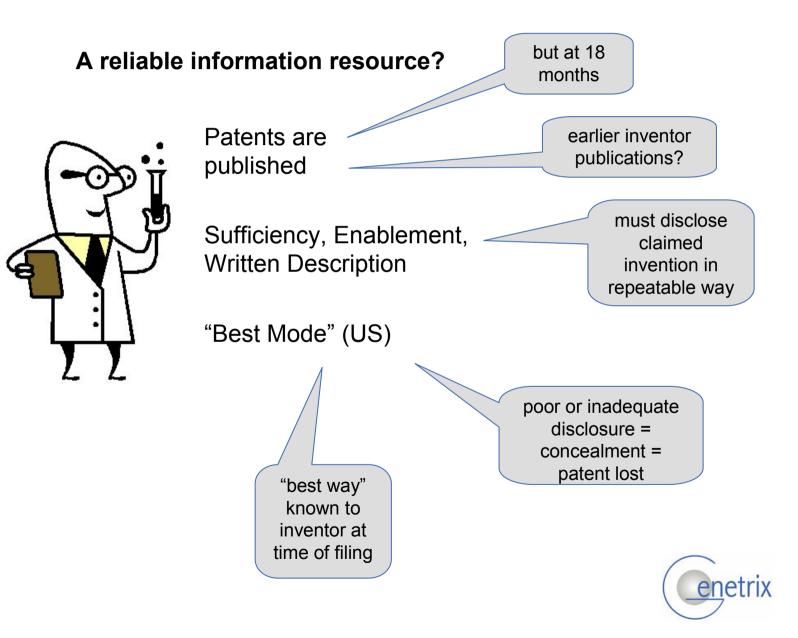
# Research patents in Biotech SMEs: positive and negative effects

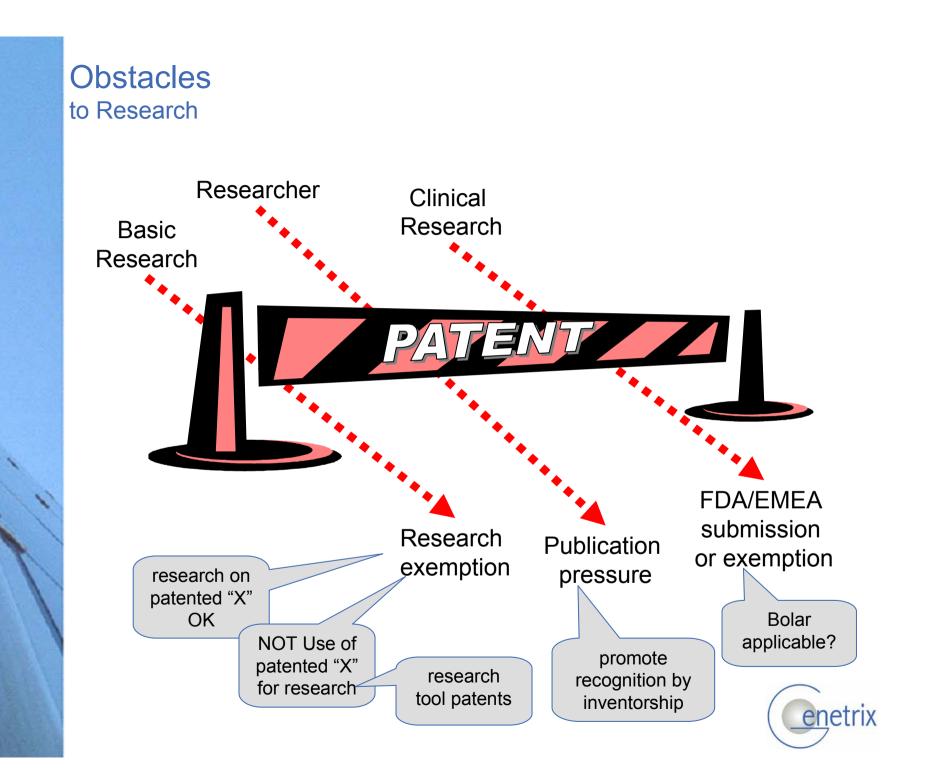


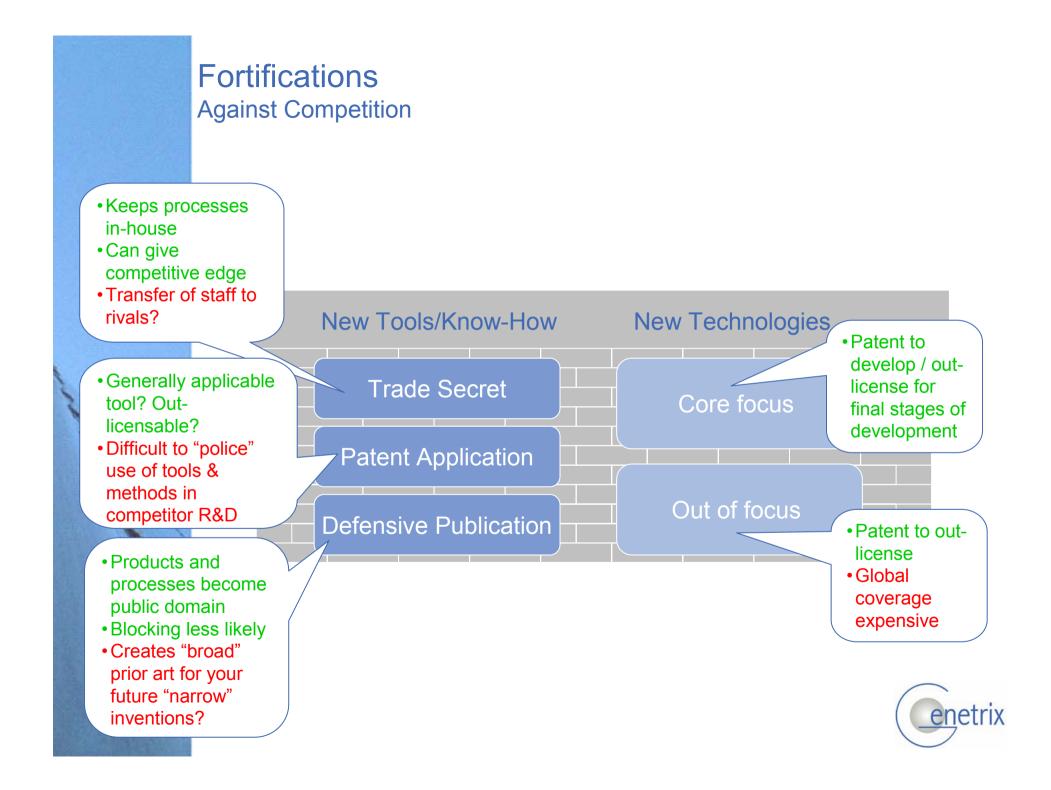




### Doorways to New Areas of Research







## Bridges

to Finance and Partnering

- The business use of patents
  - to protect the intellectual capital of a company
  - to defend against competition
  - in raising finance
- Forming research and development partnerships
  - "Pre-agreement" discussions of patent applications safer subject matter and ownership crystallised
  - In-licensed "Academic" patents can be packaged with out-sourced research for SMEs and royalties for the Institute
  - Out-licensed "SME" patents to other SME's and "BigPharma" can share R&D costs and risks on route to market and royalties
     Securing "know-how" assets in recognisable and reassuring form
    - to attract investors portfolios and IP awareness attractive
    - to demonstrate ownership and scope of protection of technology to potential partners

# Alternative Strategies to Patenting for Biotech SME's

- Securing a monopoly position in the market without patents:
  - first to market approval data exclusivity periods (10y EU; 7y US)
  - orphan drug status exclusivity (10y EU; 7y US)
  - specialised production capability e.g. GMP facilities
  - database/library creation access licences
- Other alternatives applicable/useful?
  - open source models from IT, Human Genome Project
  - can these give a return on huge investment to bring a drug to market?
  - unlikely: 20 year monopoly and patent extension system for drugs preferred
  - Some IP Resources
- o for SMEs:
- <u>http://sme.european-patent-office.org/</u>
- http://www.wipo.int/sme/
- http://cordis.europa.eu/lifescihealth/sme/rights.htm



#### Summary: Research Patents Pros and cons for biotech SMEs

#### Academic Patents

- Transform science into product possibilities
- TTO's eager to license to SMEs for development on reasonable terms

#### SME Patents

- Secure intellectual assets
- Attract funding
- Allow exploitation or licensing

#### •Big Pharma Patents

 Non-core patents often licensed to SMEs

#### Academic Patents

- Patenting mindset?
- Expensive
- Filed after publication if at all?
- Ownership clear?
- SME Patents
  - Expensive to extend globally
  - Can disclose early stage
    information
- •Big Pharma Patents
  - Can block SME R&D



# **Research Patents in Biotech SMEs**

### Doorways, Obstacles, Fortifications & Bridges

# Visit us at <u>www.genetrix.es</u>

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