



Science Capital Presentation

22nd September 2012

Our challenge!

- How to create an expert CRO with no equity investment and no capital?
- How to build the capabilities of a fully enabled pharma within a small company?



The beginning...

- 2004 We established Sygnature at BioCity
 - Mission to build a world class contract research organisation where science drives the business
 - 5.5 Staff and 300 ft² space in BioCity Nottingham
 - No external investment
 - 80% of work US based in first year
 - USA clients recognised UK's drug discovery track record

Facility

- Based in BioCity Nottingham, one of Europe's largest bioscience incubators
- Modern, purpose-built laboratories & offices
- Prominent city centre location
- Easy access to
 - ✓ Major UK airports (EMA & BHX)
 - ✓ Mainline rail system
 - ✓ Motorway network



Newly built laboratories



Human Resources

- 68 Employees
- 50 Medicinal chemists
 - ✓ 75% have PhDs
 - ✓ 75% Pharmaceutical industry experience
 - AZ, Merck, Pfizer, OSI, Evotec etc
- 2 Analytical chemists
- 2 Computational chemists
- 7 Bioscientists
 - ✓ 80% have PhDs
 - ✓ Considerable 'big pharma' drug discovery experience



Drug Discovery Capabilities

- Medicinal Chemistry
 - Lead generation
 - Hit-to-lead projects
 - Lead optimisation programs
 - Early process development and tech transfer
- Computational Chemistry
 - Virtual screening
 - Structure based design
 - Ligand based design/pharmacophore searches
 - QSAR and CoMFA
- Bioscience
 - Develop and run tailored biochemical and cell-based assays (multiple formats and modalities)
 - Set-up target or assay specific counter-screens, e.g. cytotoxicity
 - Establish complete screening cascades, e.g. recombinant target activity -> native cell biological effect





SYGNATURE
discovery

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