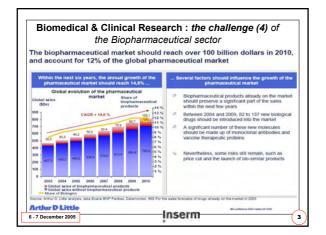
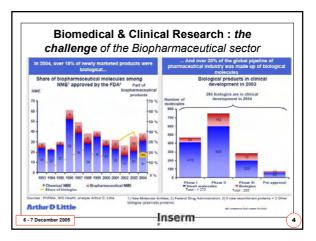


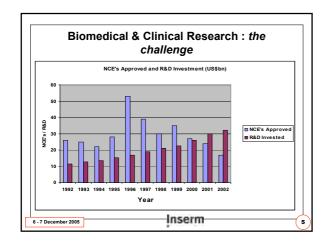
Biomedical & Clinical Research : the context High social & economical impacts : patients as end-users / Economic actors Drug discovery and development of new innovative therapeutic molecules Faster Cost-effectiveness

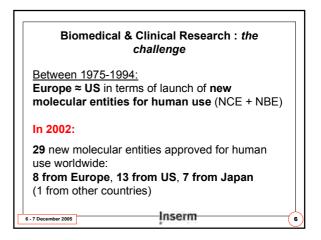
- Clinical benefit improvements
- Treatment of pathologies with strong unmet needs (Cancer, neurodegenerative diseases,...)

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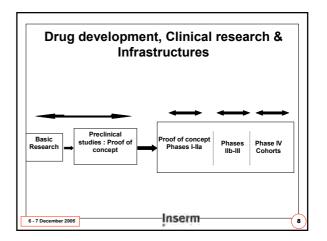




The new "challenges" of the Clinical research in Europe

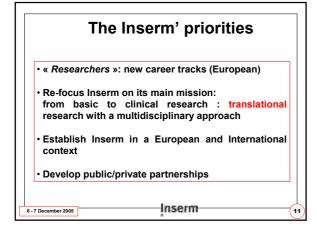
- To support development of new therapeutics molecules
 - > Innovative BASIC research approaches
 - > Innovative CLINICAL research : therapeutic and physio-pathologic studies
- To support Innovation and Biotechnology sector development
- To satisfy end-users (patients) requirements

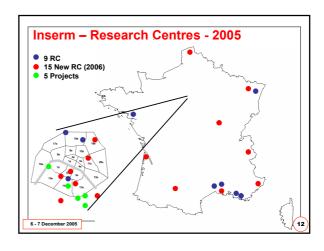
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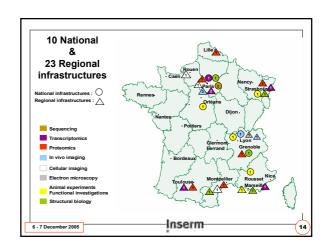
Proposals to ESFRI Steering Group on Research Infrastructures for Biological and Medical Sciences First fields identified for analysis: Linking gene sequencing facilities, structural biology of macromolecules and disease profiling Proteomics and protein production Proton therapy High security laboratories Clinical trials, related data banks and bio-process controls Imaging, neuroscience and mapping of the brain Systems biology, bio-informatics and enhanced computing capacity Biological banks Animal facilities and repositories







French Research Infrastructures Networks • National Genomic Research Consortium: CNRG National Sequencing Center National Genotyping center Regional Genopoles Core Facilities • Biosafety-level 4 laboratory • Local and regional technological infrastructures • Clinical Research Infrastructures • Cohorts, Biobanks and networks



Charter of research infrastructures (1) Open access > Platforms must be open to outside scientists whatever their affiliation (public or private) > Personnel specially devoted to the platform respond to requests for services and assistance Management > A scientific committee including the person in charge of the platform and off-site users and experts define services offered and methodological updates, condition of access and fees, project priorities Quality control > The functioning of the platform requires quality control management based on the ISO 9001 norm - version 2000

