

Innovative Medicines Initiative: Current Status And Future Calls

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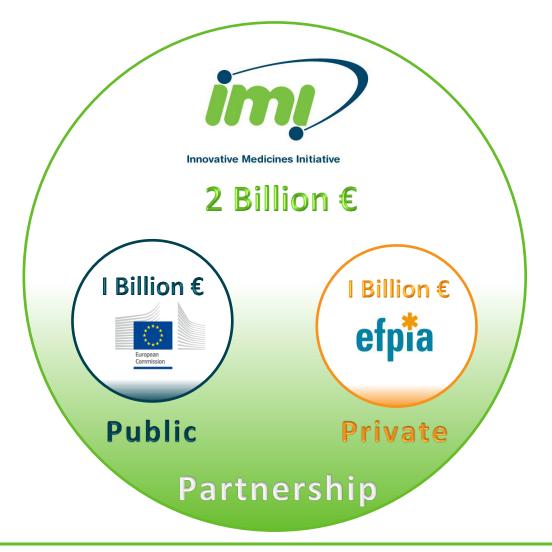




Innovative Medicines Initiative:

imi

Joining forces in the healthcare sector







Key challenges addressed by IMI



- Disease heterogeneity
- Need for new standards for drug development
- Lack of predictive biomarkers for drug action
- Outdated clinical designs and regulatory processes
- Insufficient incentives for industry
- Need for mindset shift in stakeholder communities





Key concepts underlying IMI





Open innovation in public-private consortia

Non-competitive collaboration between large pharma companies

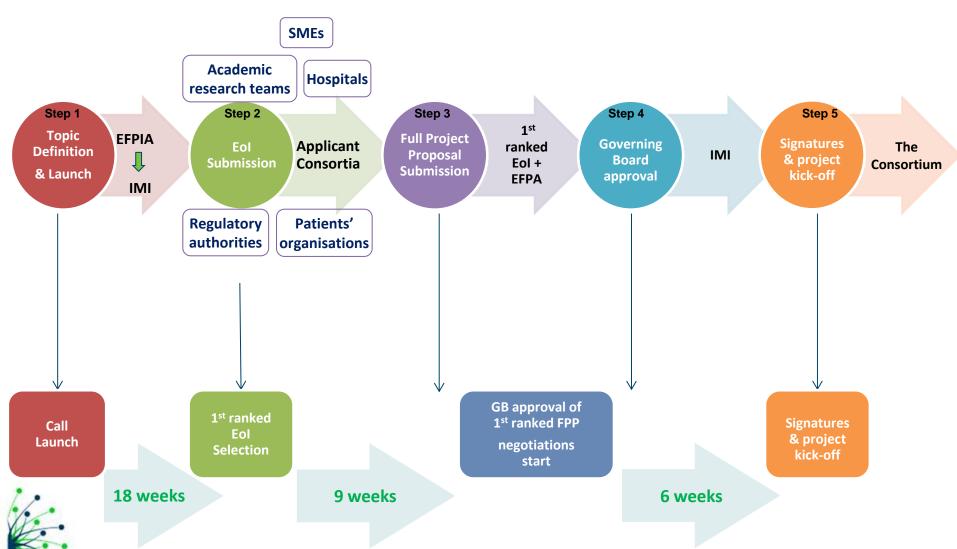
A new ecosystem for sustainable healthcare across Europe, involving all stakeholders





How it works - Optimized timelines



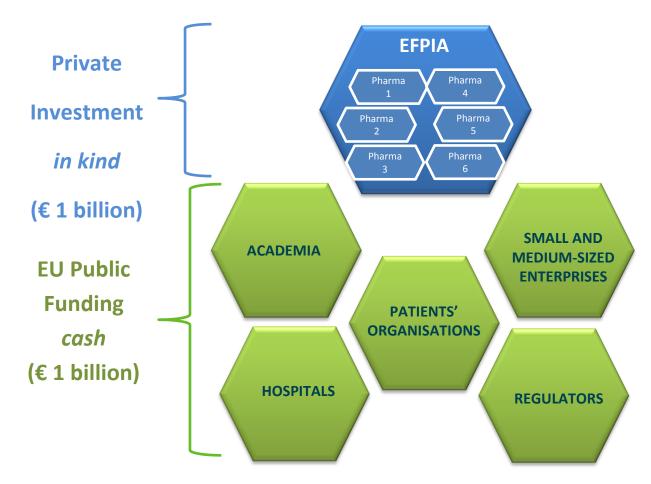




How IMI works – Project architecture



A Typical IMI Consortium

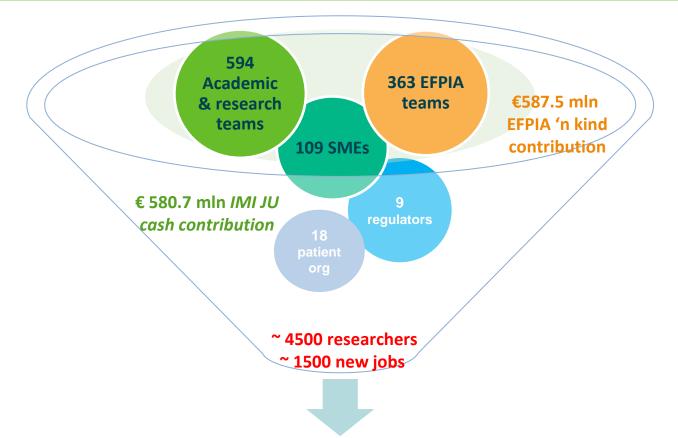






Key Figures of 40 on-going Projects





Collective intelligence networks
Improved R&D productivity of pharma industries
Innovative approaches for unmet public health needs





IMI's ongoing projects

















































































COMBACTE

TRANSLOCATION



Impact on regulatory guidelines



- ✓ EU-AIMS collaboration with EMA triggered drafting a concept paper on the development of medicines in autism
- ✓ PROactive submitted qualification advice documents to the EMA on their patient reported outcome tool
- ✓ Identification of IMI projects with potential regulatory impact :

Safety projects: MARCAR, eTOX, SAFE-T, MIP-DILI

Efficacy in neurology: NEWMEDS, PHARMA-COG

Efficacy in diabetes: IMIDIA, SUMMIT, DIRECT





Proposed Topics For Launch 2013



Call 11 Topic

- 1 Identification and validation of innovative clinical endpoints for osteoarthritis
- 2 European platform for proof of concept for prevention in Alzheimer's disease
- Blood-based biomarker assays for personalised tumor therapy: the value of circulating tumor cells, tumor DNA, and miRNA
- 4 Zoonoses anticipation and preparedness Initiative (ZAPI)
- Generation of research tools to translate genomic discoveries into drug discovery projects
- ND4BB Topic 6 Clinical development of novel systemic antibacterial molecules
- against healthcare-associated infections (HAIs) caused by Pseudomonas aeruginosa and other Gram-negative bacterial pathogens
- ND4BB Topic 7 Development of novel inhaled antibiotics treatment regimen in
- patients with cystic fibrosis (CF) and patients with chronic obstructive pulmonary disease (COPD)
- 8 EcoRiskPrediction (ERP)



The measures of success



SUCCESS

New models developed & published

Setting new standards

In house implementation by industry

Impact on regulatory guidelines

Better Science = Better Decisions





Science is leading to a revolution in healthcare:



- The conventional "notion" of diseases will break-down
 - Every disease will be a molecular "fault" defined 'orphan disease'
- The molecular "fault" directs treatment
 - Diseases with similar molecular 'faults' will have common therapies
- Therapies will target a smaller group of individuals
 - Diagnostic tests will determine who is 'right' and thus will benefit from the new treatment
- Testing/evaluation of new treatments requires better use of data
 - Capturing data from the 'real world'



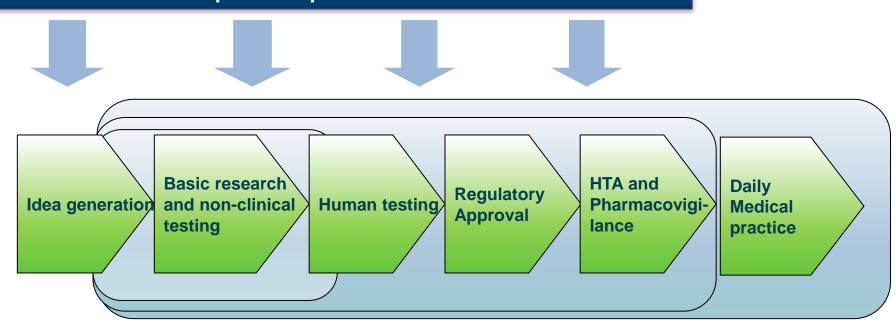


The Evolution of IMI: From bottlenecks in industry

- to bottlenecks in Industry and Society



Make Drug R&D processes in Europe more efficient and effective and enhance Europe's competitiveness in the Pharma sector



Primary focus of early IMI calls
2007 SRA

Shift to also addressing challenges in in society and healthcare 2011 SRA

IMI 2 includes real life medical practice 2013 SRA









Innovative Medicines Initiative 2: Europe's fast track to better medicines

- Next generation vaccines, medicines and treatments, e.g. new antibiotics;
- Faster roll-out of effective and sustainable healthcare;
- Leveraging public and private research funding to lower investment barriers;
- Supporting the global competitiveness of Europe's pharmaceutical industry.







IMI - The Neutral Trusted Party



Fosters large scale industry collaboration and engagement with scientific community

Promotes active involvement of patients, regulators and payers

Enables innovation via join effort where singular approach has failed so far

Facilitates Intellectual Property agreements







Thank you www.imi.europa.eu

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