

Opportunities and challenges in funding research and development : Translational Funding at the Wellcome Trust

Innovations Division

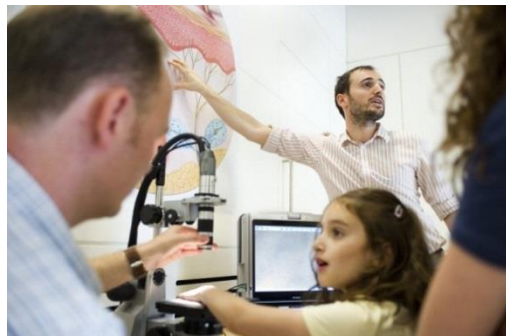
Dr. Shirshendu Mukherjee
Senior Strategic Advisor
Wellcome Trust

Cardiovascular Combination Pharmacotherapy Global Summit, 2014:
From concept to reality

8th May 2014

About us

We are a global charitable foundation dedicated to achieving extraordinary improvements in health by supporting the brightest minds.



Our history

- Independent charity with strong international presence
- Supports over 3000 researchers in more than 40 countries
- Endowment at the time of Sir Henry Wellcome's death in 1936 £73,048
- Endowment 2012 ~£13.3 billion



Wellcome Trust funding

- Our funding focuses on supporting outstanding researchers, accelerating the application of research and exploring medicine in its historical and cultural contexts.
- From young researchers to renowned scientists, we support those with the brightest ideas addressing fundamental problems in medicine.
- This research is improving our understanding of human biology and identifying treatments for major killers of the world, such as cancer and malaria.



Wellcome Trust challenges



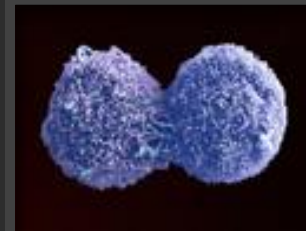
Maximising the health
benefits of genetics
and genomics



Understanding
the brain



Combating
infectious disease



Investigating
development, ageing
and chronic disease

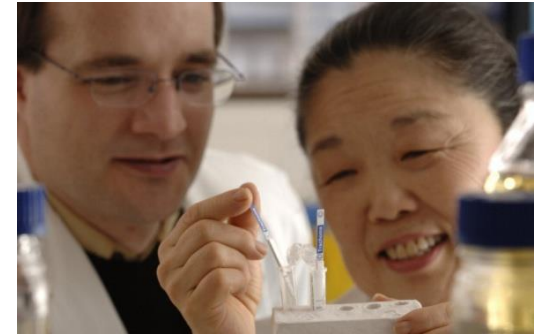


Connecting
environment,
nutrition and health

Innovations: Our Purpose

We help to bridge the gap between fundamental research and commercial application.

We fund applied research and development projects to a stage where they are attractive to a follow-on funder, such as venture capital firms, industry and public-private partnerships.



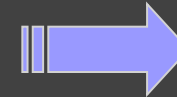
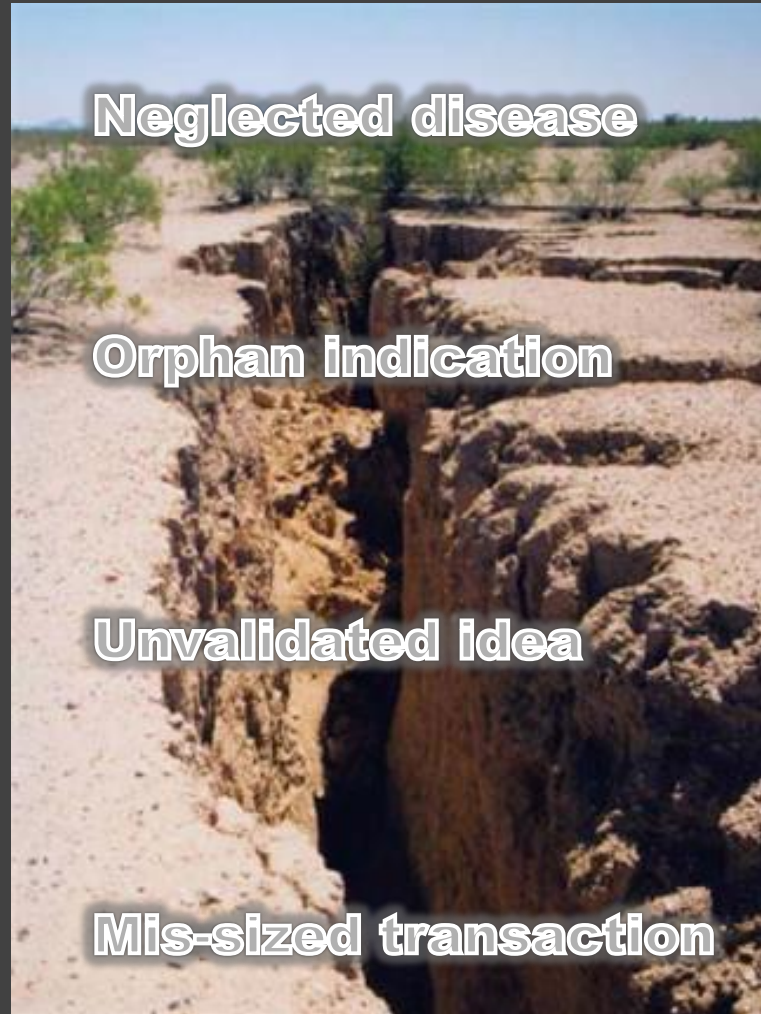
Challenges to Innovation

Discovery	Development	Delivery
Understanding Problem	Translation to a product	Product uptake
Limited market pull and push in non-commercial indications	Need to understand market to inform product development	Limitations and high costs of distribution network especially in rural areas
Risky programmes for PPPs	Complex IP and regulatory pathways	Limited understanding of DW markets
Lack of local research infrastructure	Lack of local development infrastructure	Complex delivery Infrastructure and lack of purchasing power

4 types of gap

Basic
research

Grant Funds



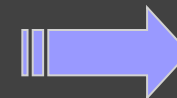
PD-PPP



Disease charity/
some companies

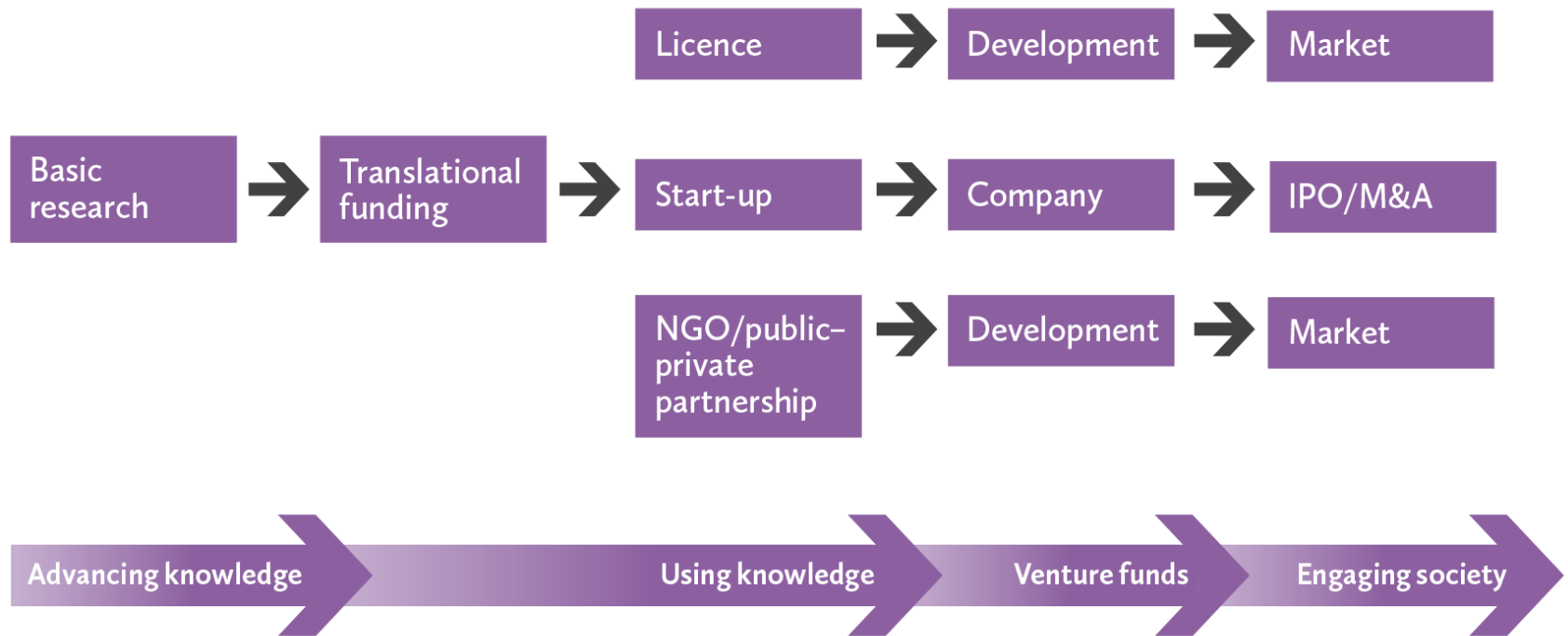


Biotech/Pharma



Biotech/Pharma

The translation gap



The path from basic research to deliverable product

Top tips – what to consider



Dispelling the myths

- Schemes are Global –
Exceptions HICF (UK only) and AHI (Indian based PI)
- Companies and Academics
- No requirement for previous Wellcome Trust funding
- Not just biology
- Not just tropical, neglected or orphan diseases

For further information



Technology Transfer Division

The Wellcome Trust

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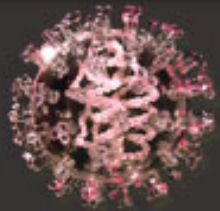
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Email us to join our mailing list.

Funding schemes



Translation Fund



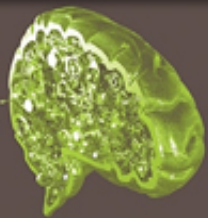
Health Innovation
Challenge Fund
(with Department
of Health)



Affordable Healthcare
in India



Seeding Drug
Discovery



Innovative
Engineering for
Health (with EPSRC)



Pathfinders

Funding model

Academia

- Revenue and Equity sharing

SME

- Unsecured Convertible loan
- Equity conversion at 20% discount at an investment round

Pharma/listed companies

- Milestone / Royalty based funding