



Developing Cures with Less Time & Capital: A New Research Model to Accelerate Drug Development

March 25, 2010

Margaret Anderson



- ⌘ Executive Director, *FasterCures*
- ⌘ Catalyzing efforts across sectors to improve the effectiveness and efficiency of the medical research enterprise
- ⌘ Committed to analyzing barriers to progress and overcoming them through action

Agenda

- ⌘ Overview of Research Development Process
- ⌘ Panel Discussion
- ⌘ Open Questions

Participants

- **Scott Johnson**, President and Founder, Myelin Repair Foundation
- **Lesa Mitchell**, Vice President, Advancing Innovation, Kauffman Foundation
- **Nancy Barrand**, Special Adviser for Program Development, Robert Wood Johnson Foundation
- **Scott Cook**, Co-founder of the Scott Cook & Signe Ostby Foundation and co-founder of Intuit Inc.
- **Host: Margaret Anderson**, Executive Director of *FasterCures*

Scott Johnson



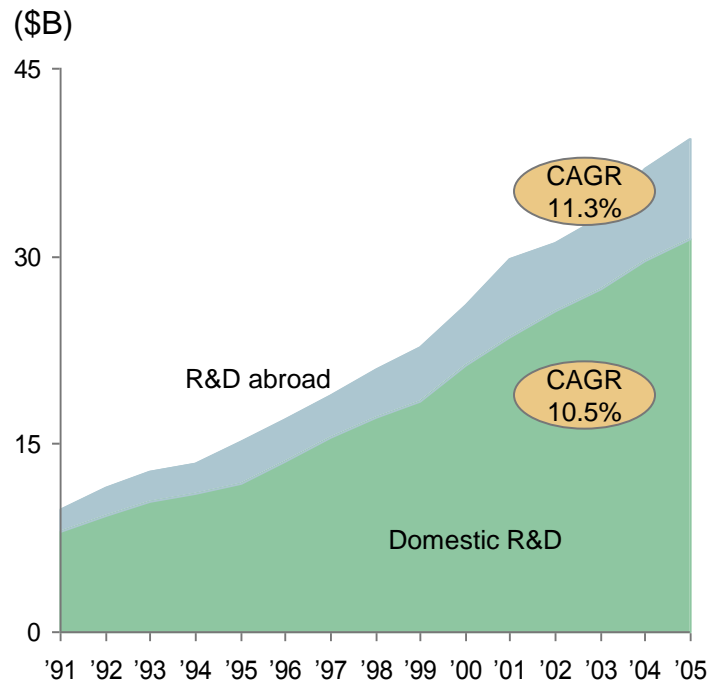
- ⌘ Founder and President, Myelin Repair Foundation
- ⌘ Waiting for a cure for MS since 1976
- ⌘ Leading the way toward faster development of new treatments and cures for ALL diseases

Crisis in Health Care

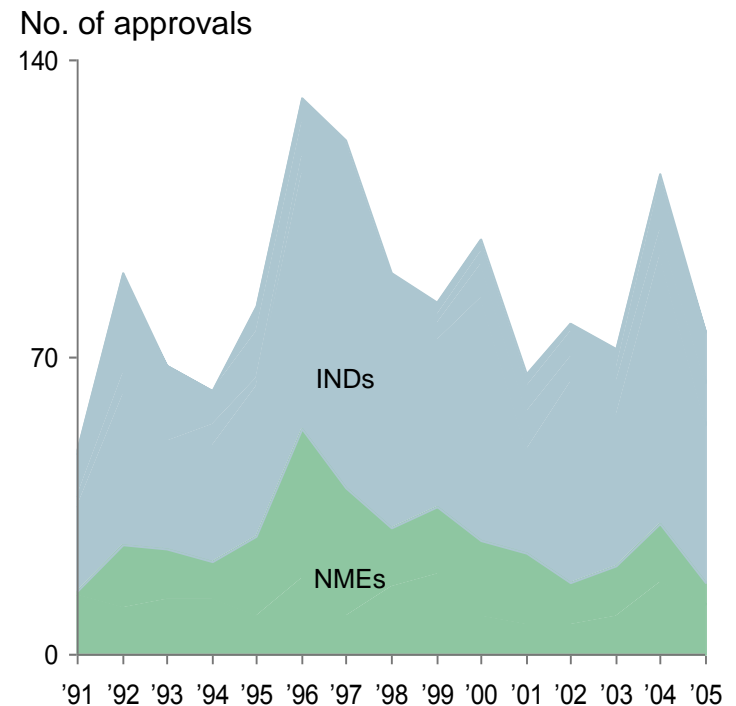
- ❖ Effective new treatments for difficult diseases are far too slow in reaching patients who can't afford to wait.
- ❖ The economic impact in the U.S. of these untreated diseases is estimated at \$1.3 trillion annually.
- ❖ Shrinking pharma pipeline threatens industry.
- ❖ Shrinking venture capital funding for biotech startups.

Increasing R&D Spend, but Flat Results

R&D spending has grown steadily...

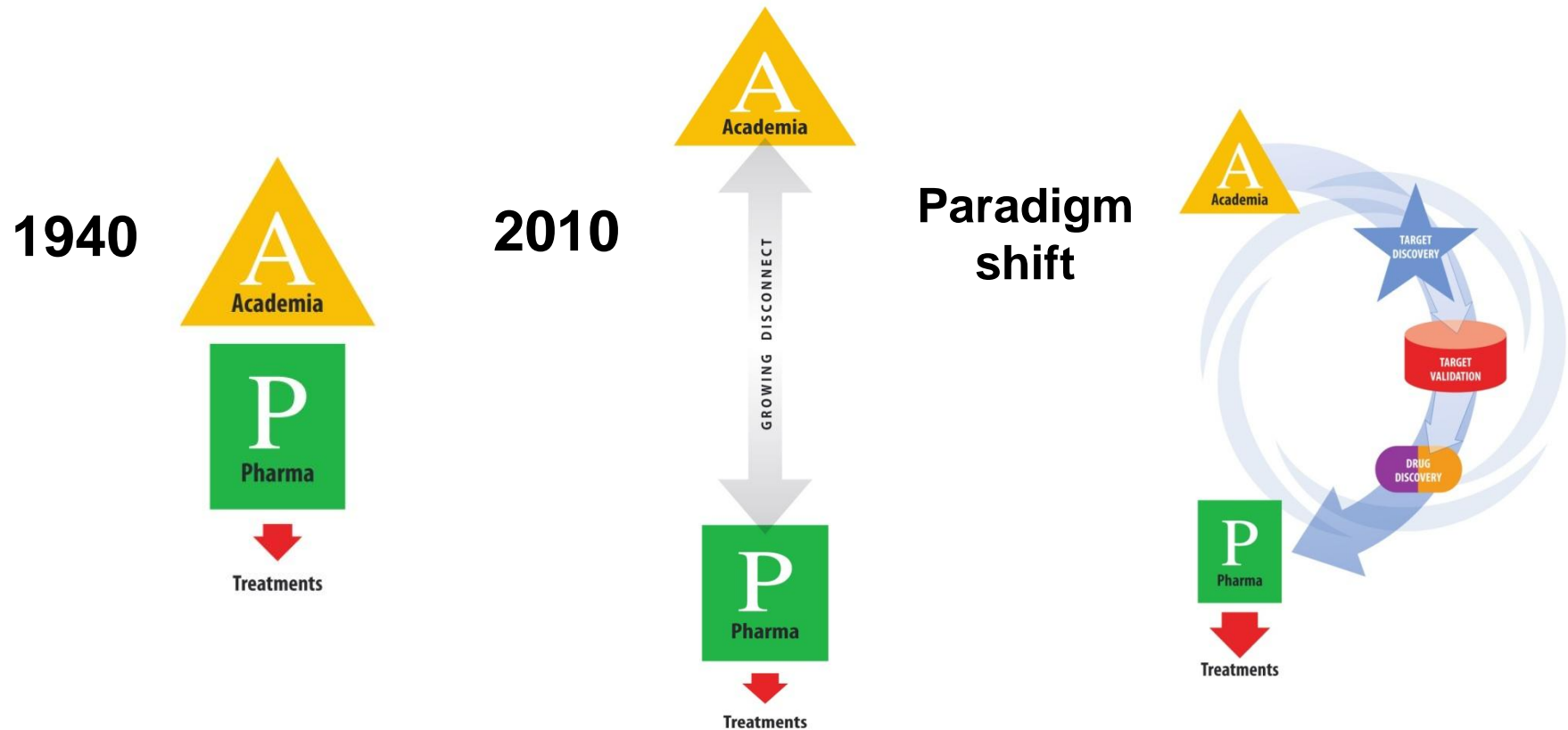


...but NME approvals relatively flat



1. IMDs (Incrementally Modified Drugs) are new derivatives, formulations and combinations
 2. NME (New Molecular Entities) include both chemical and biological therapeutic agents, excludes contrast agents and diagnostics
 Source: FDA, PhRMA 2005 Yearbook

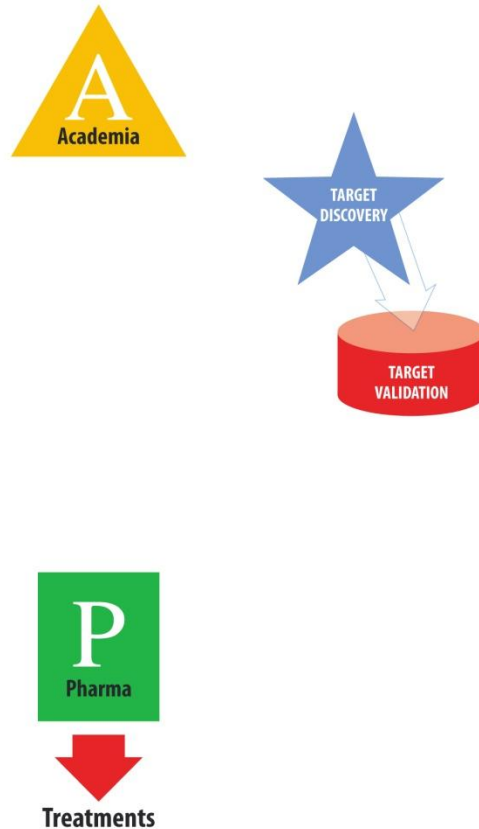
Evolution of the Medical Research Enterprise



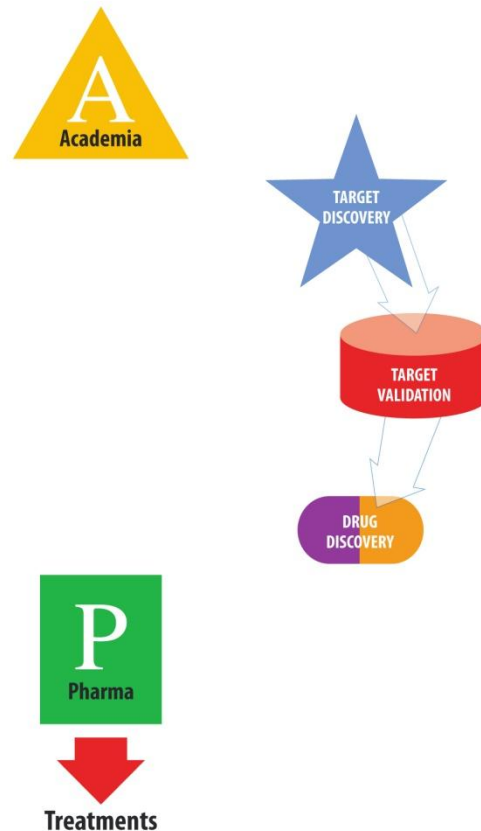
Holistic Approach Manages to Milestones: Accelerating Basic Science



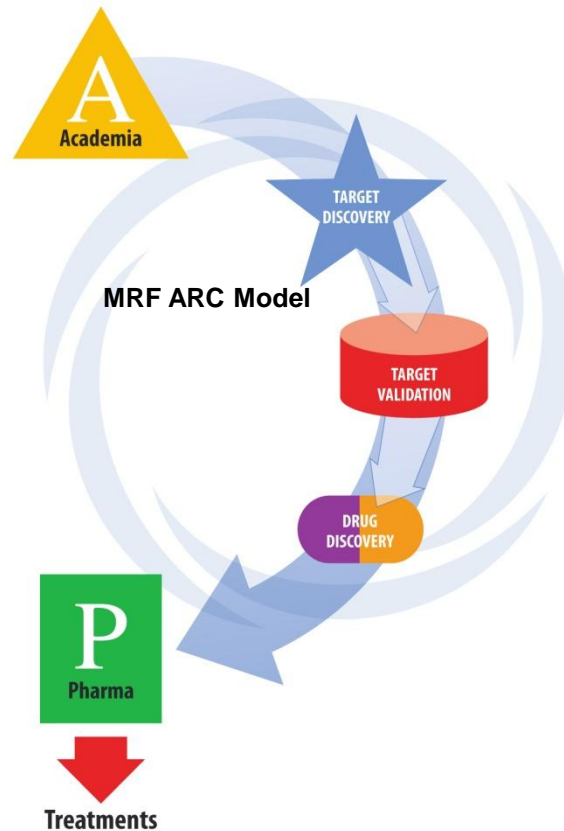
Holistic Approach Manages to Milestones: Building a Network of CROs



Holistic Approach Manages to Milestones: Building Partnerships with Biopharma



Holistic Approach Manages to Milestones



Shifting the Paradigm: Rapid Results at Far Lower Cost

- Published > 75 peer-reviewed scientific articles.
- Established first partnership with pharmaceutical company to review and validate academic discoveries.
 - Demonstrated that myelin can be repaired in animal models of MS.
 - Identified 144 discoveries that have the potential to repair myelin; prioritized top 20 discoveries to develop further.
 - Developed 24 new research tools.
 - Created significant intellectual property; 20 patentable inventions

Panelists

- **Scott Johnson**, President and Founder, Myelin Repair Foundation
- **Lesa Mitchell**, Vice President, Advancing Innovation, Kauffman Foundation
- **Nancy Barrant**, Special Adviser for Program Development, Robert Wood Johnson Foundation
- **Scott Cook**, Co-founder of the Scott Cook & Signe Ostby Foundation and co-founder of Intuit Inc.

Nancy Barrand



- Special Adviser for Program Development, Robert Wood Johnson Foundation
- Works to ensure health coverage for all Americans, improve the social factors that shape health for vulnerable populations, and support innovative ideas that can transform the future of health and health care
- Wants to make the research enterprise work faster and more openly to accelerate treatment discoveries and cures

Lesa Mitchell



- ⌘ Vice President of Advancing Innovation, Ewing Marion Kauffman Foundation
- ⌘ 20 years experience in biotech and pharmaceutical entrepreneurship
- ⌘ Committed to improving pathways that shepherd research from universities and labs through commercialization

Scott Cook



- ⌘ Founder & Chairman of the Executive Committee - Intuit
- ⌘ Board Member – Procter & Gamble, eBay, Intuit
- ⌘ Catalyst of paradigm change in health care, education, and Internet access for the developing world

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