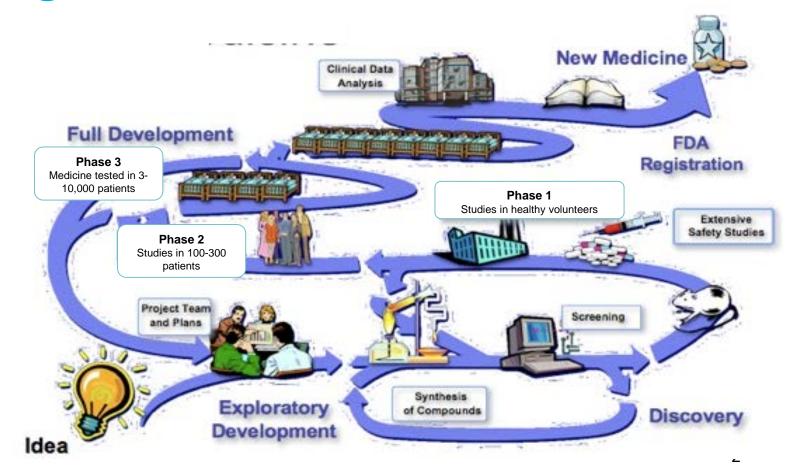
Using data to reimagine clinical trials

Diane Stephenson, PhD

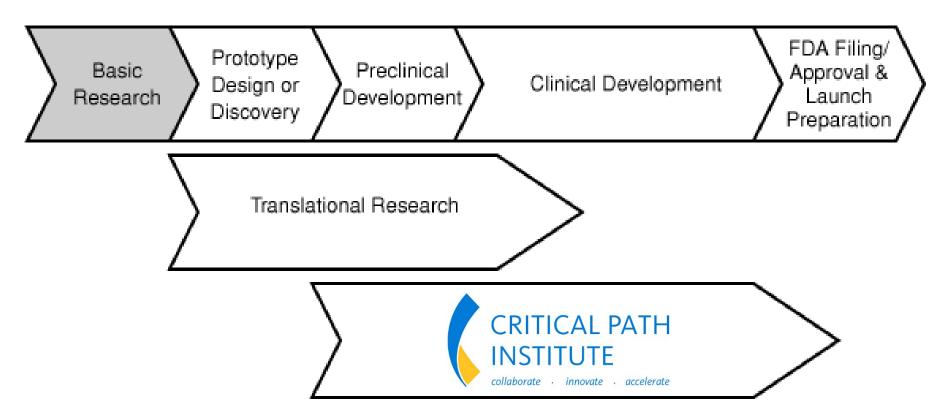
Executive Director, Critical Path for Parkinson's Critical Path Institute

Wednesday 15 November 2017

The long road to a new medicine

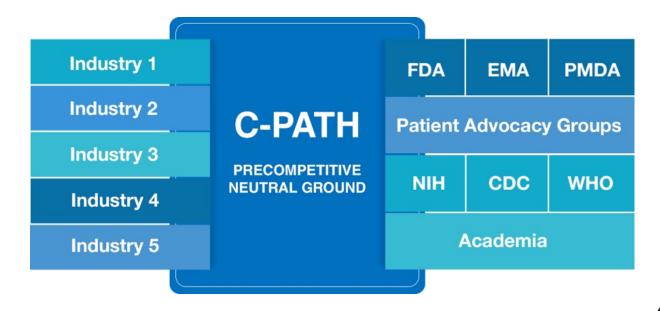


What is Critical Path research?

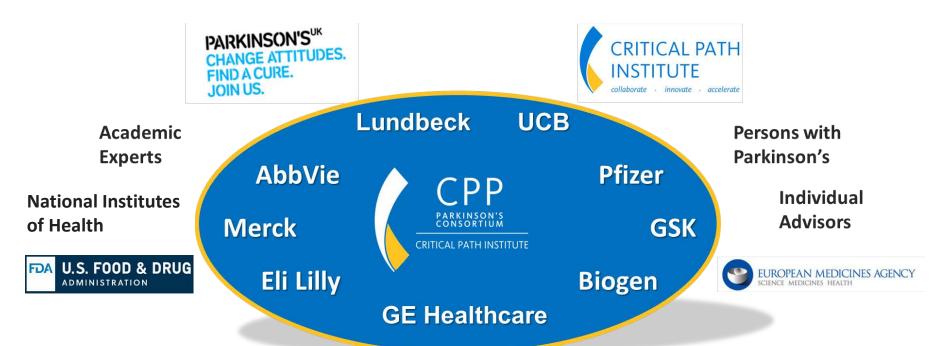


What is the Critical Path Institute?

A trusted, neutral third party delivering new methods and tools for clinical trials which benefit the whole community.



Critical Path for Parkinson's



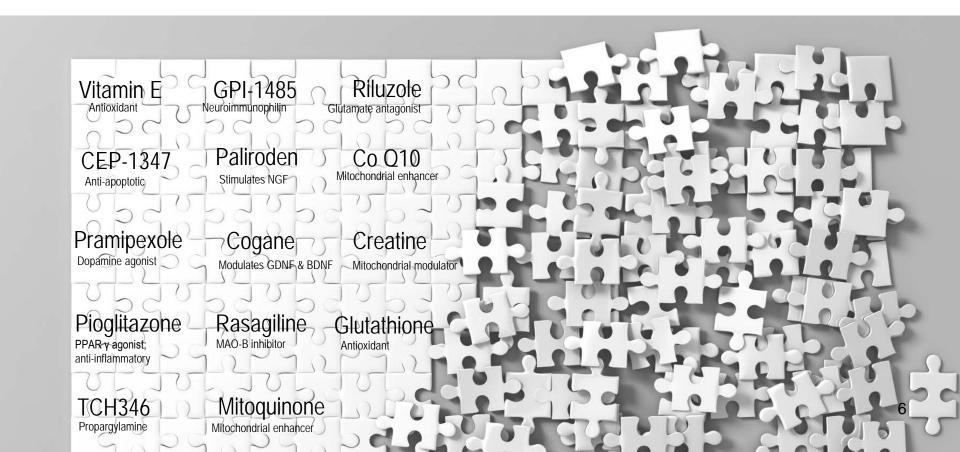
Patient-Advocacy Organizations

- · Parkinson's Foundation
- Michael J. Fox Foundation
- Davis Phinney Foundation
- The Cure Parkinson's Trust

UK Academic Institutions

- University of Oxford
- University of Cambridge
- Newcastle University
- University of Glasgow

We can learn from past clinical trials



What could we do if we had all the data from Parkinson's studies in one place?

Data from clinical trials and cohorts

Standardization and integration

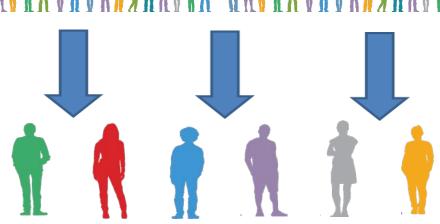
Researchers Regulators Industry

CDISC Data Standards

Future model of Parkinson's therapies

Parkinson's -Not all one flavor

Personalized Medicine targeted treatments

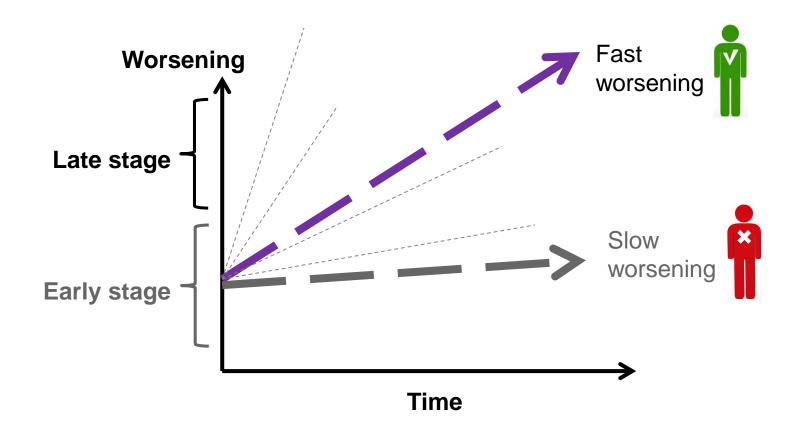


Up to 15% of people with early Parkinson's who take part in trials may not have the condition at all.

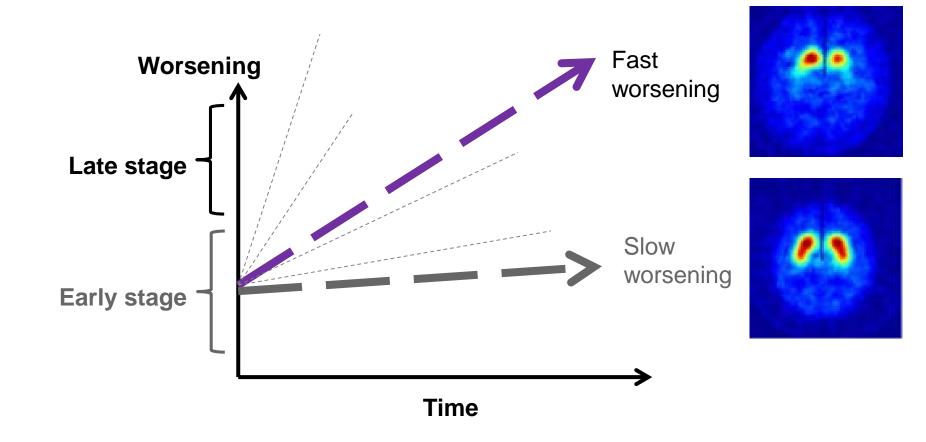


Beth Vernaleo, Parkinson's Disease Foundation

Some people worsen fast, others slowly...

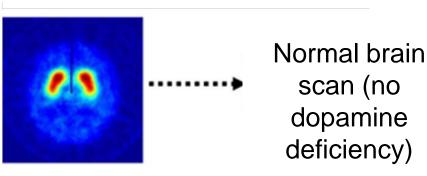


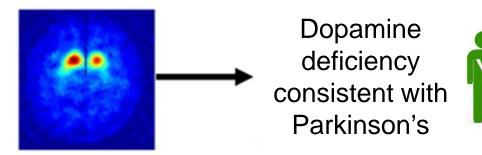
Using imaging to predict the future



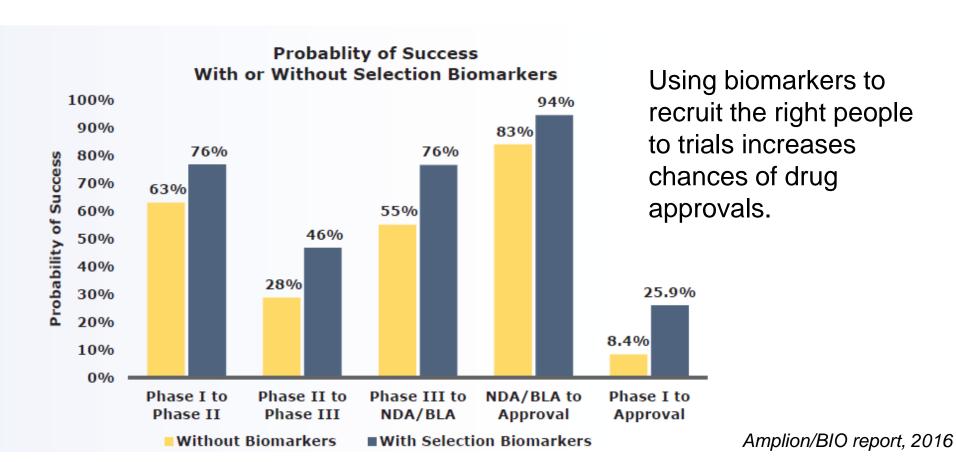
Using imaging as a biomarker in trials endorsed by EMA







What impact could this make?



What's next for the Critical Path for Parkinson's?



Integrate data from around the world to help create tools that bring:

The right drug
To the right person
At the right time