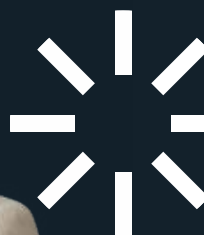
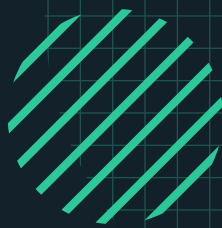


Dotmatics

# Making your Small Molecule Drug Discovery Work Flow



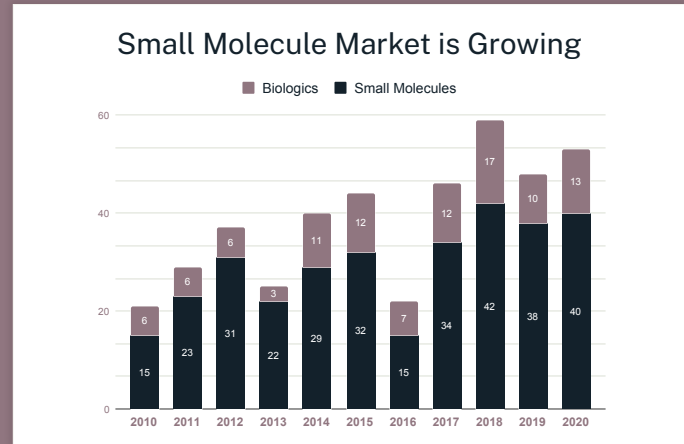
# Partnering with R&D Enterprises to Make the World Healthier, Cleaner, Safer

2M+  
Scientists

10K+  
Customers



# New R&D Markets and Roles for Small Molecules

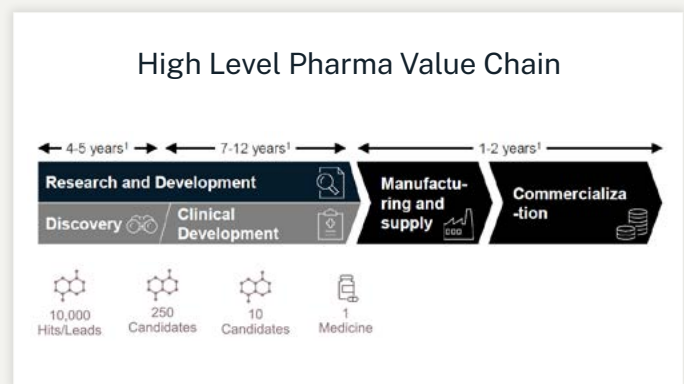


FDA approvals for small molecules and biologics 2010-2020

## The Challenge

### Need to Make Better Candidates, Faster

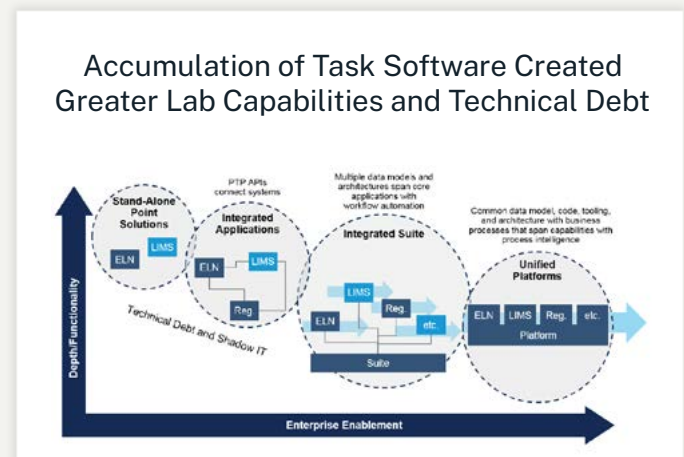
- Cost to develop new drug \$1.4 Bn (\$1 Bn in Clinical)
- 12% increase in small molecule drug discovery costs
- Declining research productivity stabilized by CRO outsourcing
- Discovery workflows have become more complicated
- Optimize discovery and reduce downstream costs



Source: Pharmaprojects Oct 2020, Nature Reviews Drug Discovery (NRDD), Journal of Health Economics (J. Health Econ)

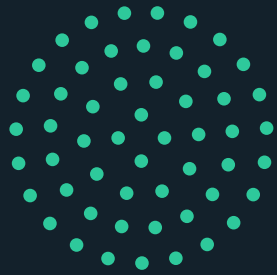
### New Informatics Ecosystem Required

- Explosion in data requires new software and capabilities
- Data and analysis is fragmented across functions
- Vendor software codes at end of life
- Increased technical debt and cost of ownership
- Lab IT sponsorship competing with digitalisation projects



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We are building the world's most powerful **scientific R&D Platform** connecting best-of-breed applications to enable collaboration, automation and analysis.



Best-of-Breed  
Applications

+



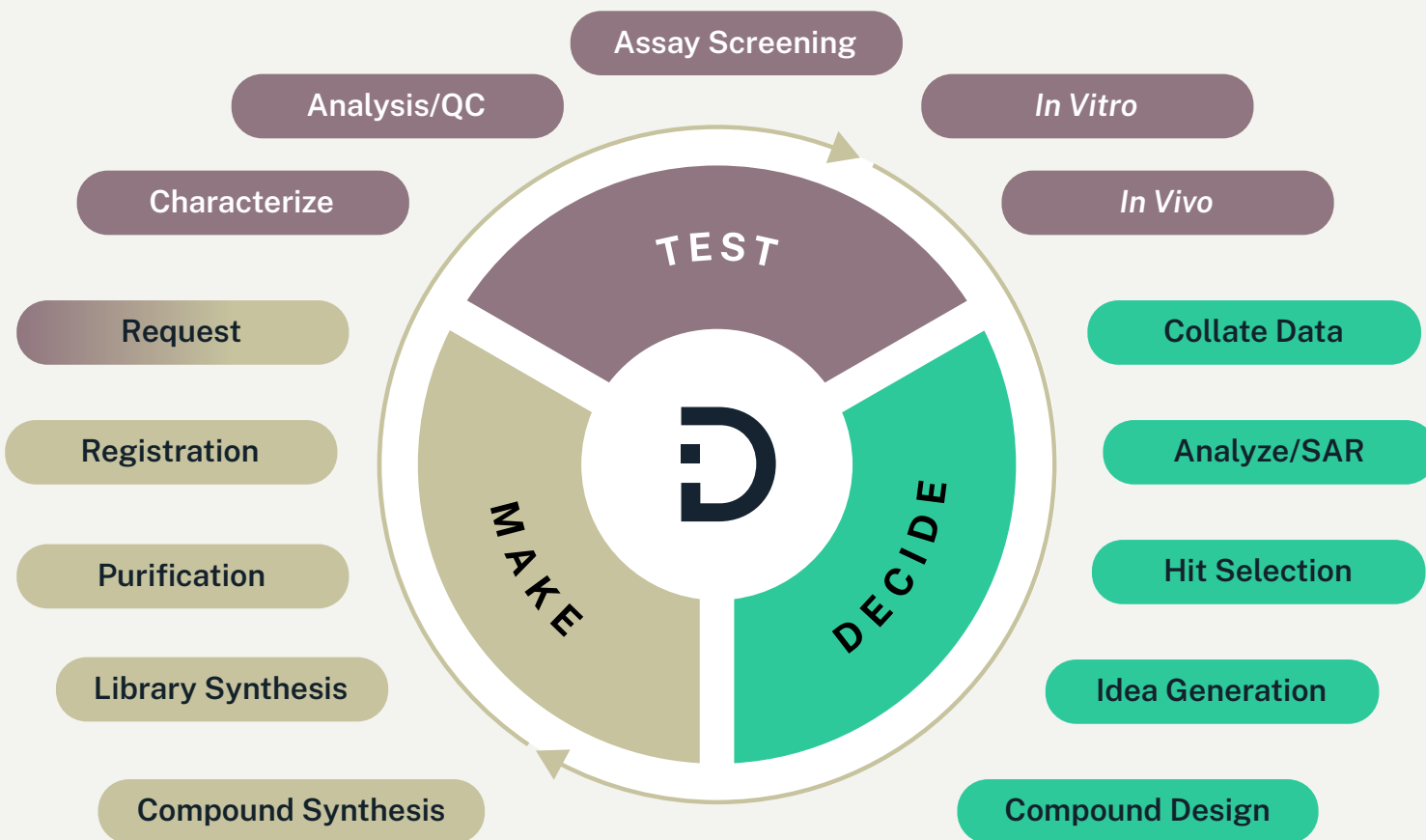
Scientific Data  
Platform

=



Unparalleled  
Insights

- Dotmatics' Small Molecule Drug Discovery workflow supports discovery from hit and lead identification, through lead optimization, to candidate selection.
- Fully integrated laboratory informatics software captures experiments, molecules, samples and assays.
- Decision support tools enable gathering, analysis and visualization of project data.
- Together, these help project teams be more efficient and make better informed decisions, faster.



Reuse Prior Chemistry	Integrated Chemical Inventory
Automated Stoichiometry Table	Accurate Procedure Capture
Data Import	Compound Registration
Analytical Requests	CRO Requests

Connect Scientific Data	Purpose-Built Views
Visual Analysis	R-Group Analysis
Statistical Modeling	Library Enumeration
Uncover Promising Compounds	

# Dotmatics

Save time and costs while enabling better-informed, faster decision making.



## Productivity and Collaboration

- Integrate capabilities and simplify data workflows
- Increase collaboration via transparent communication
- Increase scientists' focus on discovery



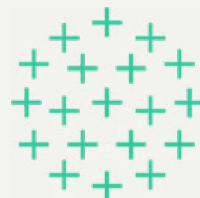
## Insights and Innovation

- Real time insights to drive better discovery strategies
- Advanced, guided visualisation and data analytics tools
- Optimised planning and design capabilities



## Operational Efficiency

- Reduce workflow inefficiency time and costs
- Reduce technical debt and total cost of ownership
- Reduce informatics solution implementation time



## Quality and Compliance

- Standardize data and improve integrity
- Improve data governance and regulatory compliance
- Automated data capture and audit tracking