

WHY NANOTEMPER MATTERS

nanoTEMPER

2008



LMU Munich



Fast thermo-optical
particle characterization
PCT Patent
2008/061706

2010

Monolith
NT.115




Red Dot
Design Award


German
Innovation Award

2012

Monolith
NT.Automated



Prometheus
NT.48




German Founders
Prize

2014

2016

Solutions for full
automation




Top 100 - Germany's
most innovative
company

2017

2018

Dianthus NT.23



Tycho NT.6




Growth
Champion

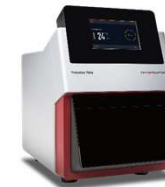

Top 10
Innovations

2019

Monolith



Prometheus Panta




Growth
Champion

2021

Andromeda




Top 100 - Germany's
most innovative
company


Red Dot
Design Award


iF Design
Award





9
offices

>150
employees

>1000
instruments

>5000
publications

>30 million
experiments



Drug development – the stats are stacked against you



12 years

average time
to bring a drug
to market



10%

of candidates make
it through pre-
clinical testing



0.2%

of drugs candidates
get approved for
human usage



\$359M

the cost to
develop a
new drug



Drug discovery workflows more efficient

NanoTemper Drug Discovery Workflows



Faster
time-to results



Cost savings
without
compromising
quality



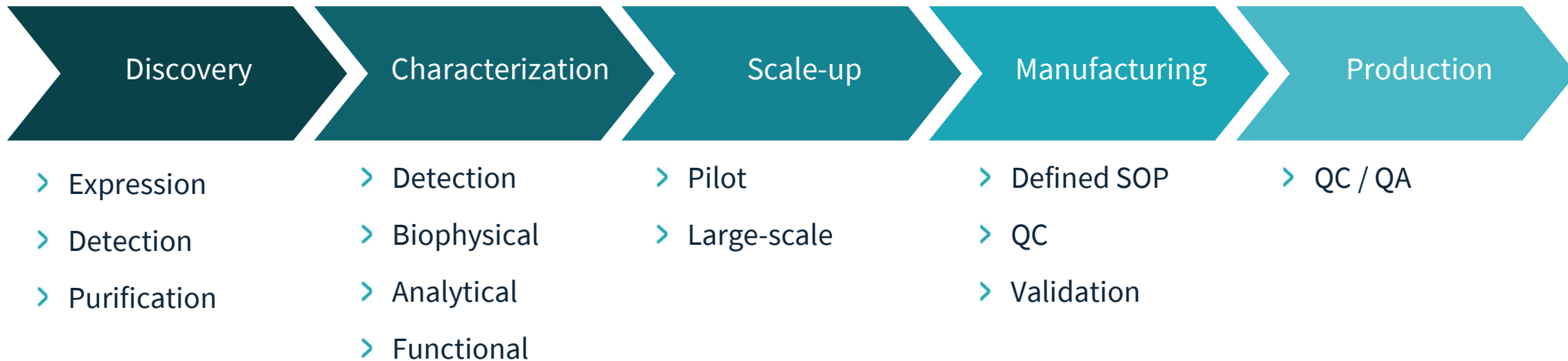
Selecting
quantitative
over qualitative
results



Making better
decisions faster



Solutions for protein characterization



MONOLITH

PROMETHEUS



Improves biologics workflows

Upstream processing

- > Assay development
- > Construct screening
- > Pilot scale
- > Target characterization
- > Expression

Downstream processing

- > Stability prediction
- > Formulation
- > QC
- > Scale up
- > Process development

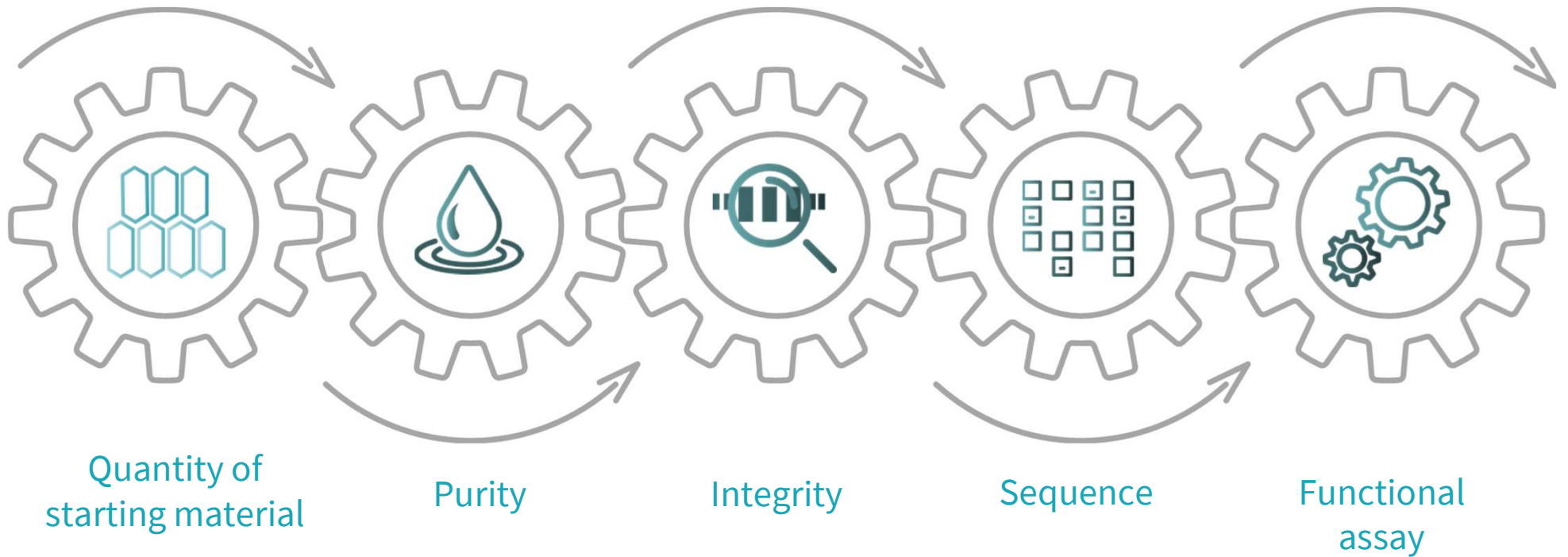
Drug product

MONOLITH

PROMETHEUS



Requirements for successful protein characterization assays



Dramatic time and FTE cost savings with Prometheus NT.Plex



Stability screening study of 5 mAbs | Prometheus NT.Plex gets results in 12 hours



1000X

Faster time-to-results



\$83K

Savings in FTE* time
dedicated to one project

* Assumes \$125,000 annual salary for one Sr. Scientist based on results from Glassdoor , spending 3 hrs/day on this project during 5 day work week

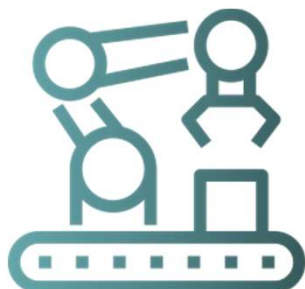


Dramatic time and FTE cost savings with Prometheus NT.Plex



SANOFI

MEK-1 kinase inhibitor screen



Fully-automated process

24 hours hand-free operation



Rapid K_d determination

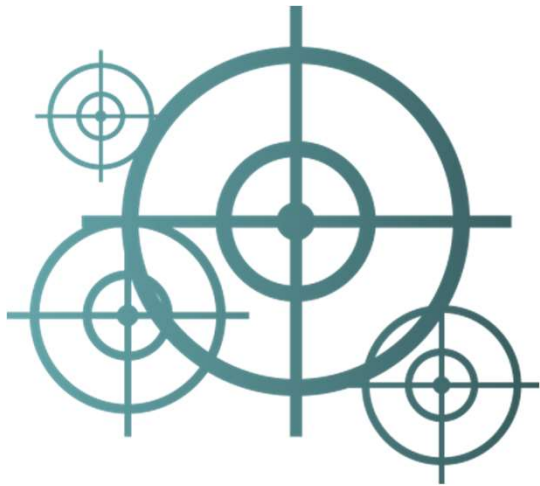
15 minutes or less



Cost savings



Important things to consider when assaying protein characterization



Precision



Efficiency



Speed

