



Land and Expand





Landing and expanding meaningful partnerships

Landmark develpments at the beginning of 2022



• Land...

 Eli Lilly: Discovery of potential drug candidates for the treatment of diabetes and chronic kidney diseases from targets identified by Lilly or Evotec



• Land again...

 Boehringer Ingelheim: iPSC-based disease modelling for ophthalmologic disorders, supported by EVOpanOmics platform, to identify small molecules able to modulate disease



• ...and Expand

 BMS: Massive extension and expansion of partnership with Bristol Myers Squibb in targeted protein degradation, originally signed in 2018



Delivering breakthrough therapies via targeted protein degradation

Drugging the undruggable via molecular glues





"Our breakthroughs in the understanding of the mechanism of action of CELMoDs® will enable the discovery of more drugs that can direct the degradation of proteins known to be causing disease."

Rupert Vessey, BMS



"Molecular glue degraders represent the most important innovation in small molecules in recent history. Industrialized omics combined with AI/ML will help garner the full potential."

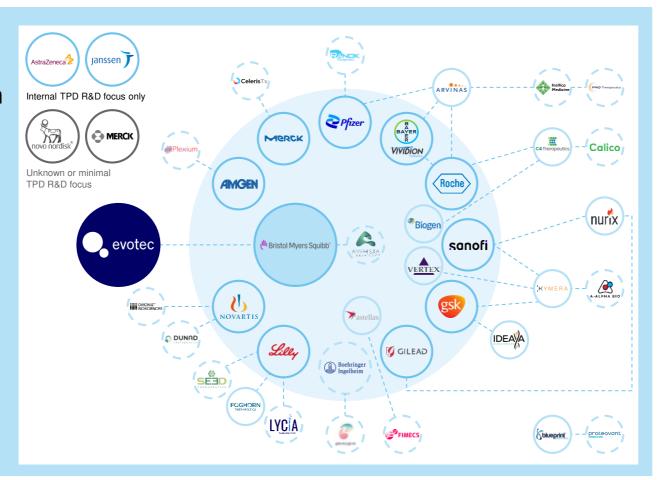
Cord Dohrmann, Evotec



Unique potential translates into a strong engagement industry

BMS & Evotec – Global Leadership in TPD

The expanding universe of Targeted Protein **Degradation**



- The targeted protein degradation enabling technologies market, anticipated to be worth over \$ 3.3 bn by 2030 (CAGR of around 27%)
- Partnership activity has grown significantly between 2014 and 2021 R&D agreements (25%) and research agreements (23%) emerged as the most popular types of partnership models
- > \$ 5 bn has been invested by private & public investors since 2014
- >180 investors have actively financed projects / initiatives in this domain

Public (> \$ 25 bn mkt. cap) Public (< \$ 25 bn mkt. cap)

Private / subsidiary

Strategic collaboration and/or license agreement



Moving from exploration to a long-term strategic partnership

Strategic expansion of a successful partnership in targeted protein degradation





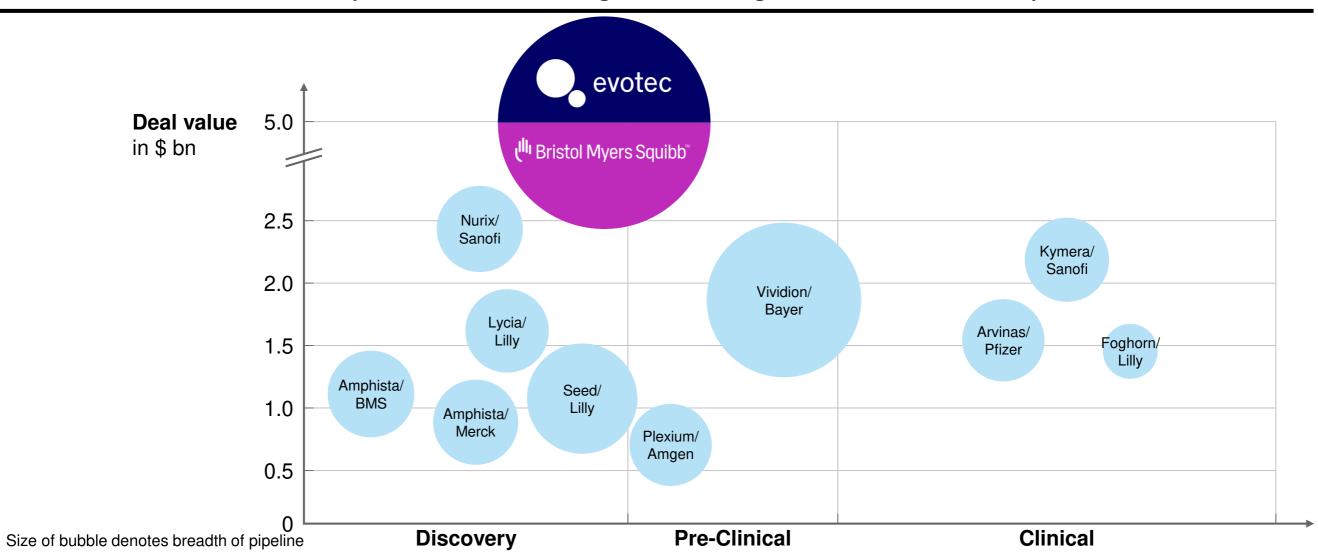
Developing a pipeline of breakthrough therapies based on molecular glue degraders

- 8-year extension and significant expansion of original agreement signed in 2018
- Collaboration leverages Evotec's **EVO**panOmics and **EVO**panHunter platforms including AI/ML capabilities
- Upfront payment of \$ 200 m
- Deal potential of > \$ 5 bn, milestone based payments
- Tiered royalties for each programme



Scope of deal places BMS & Evotec ahead of key players

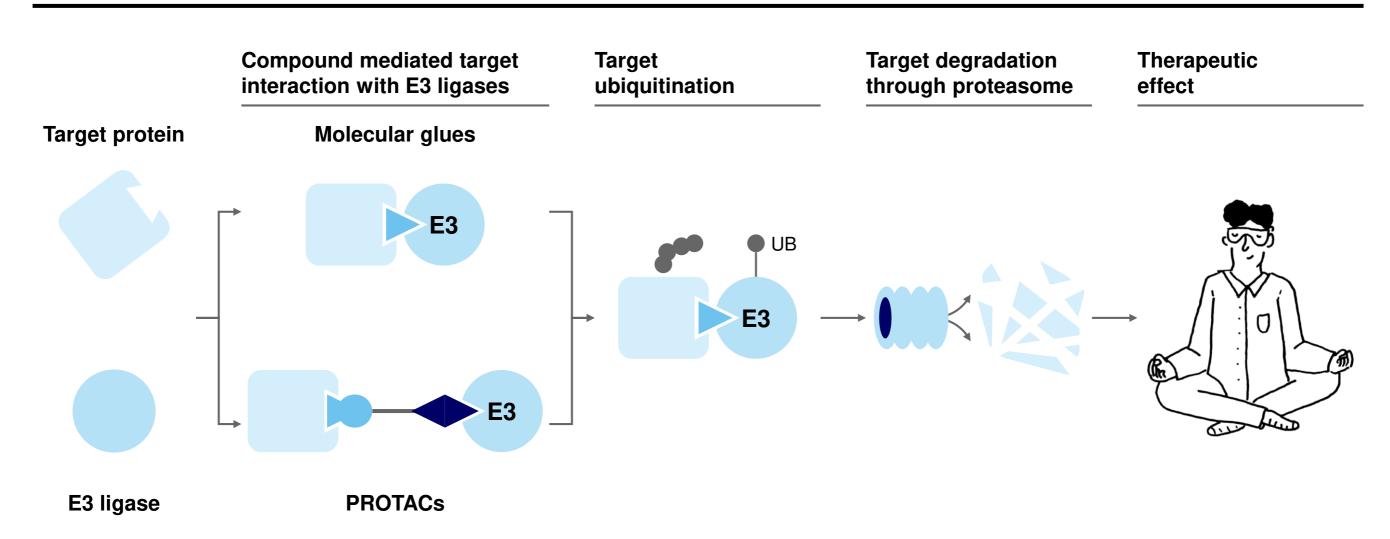
Analysis of selected licensing deals – strong momentum in the last 2 years





Targeted Protein Degradation opens a new path to fight disease

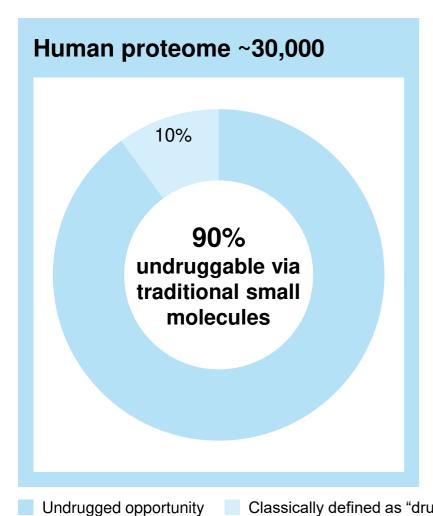
Mechanism of Action of targeted protein degraders

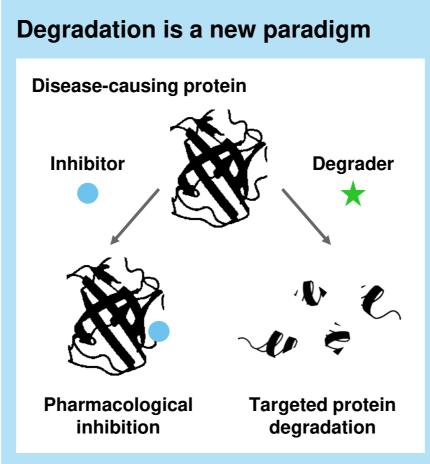




Drugging the undruggable harbours enormous potential

Vast majority of the proteome is currently not addressed by small molecules





Major advantages of degraders

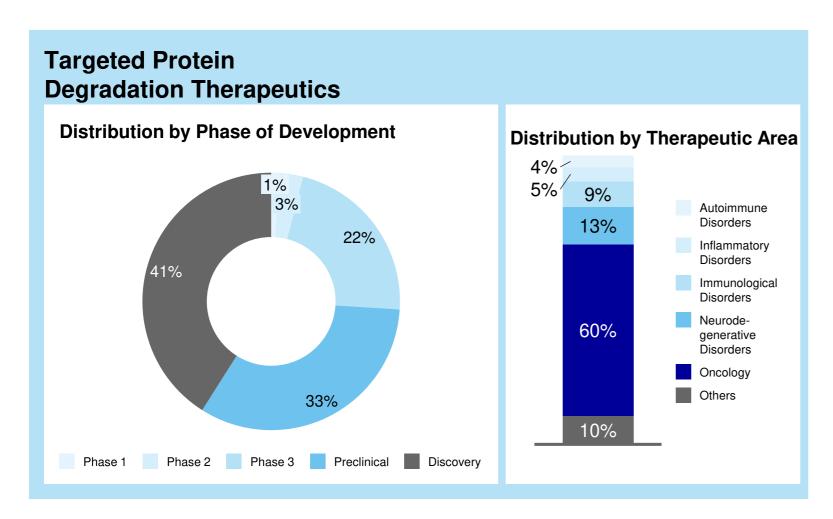
- Degrader compounds rely primarily on binding
 - Rather than binding and activity inhibition
- Catalytic, event driven, pharmacology
 - Enabling responses at lower exposures over longer intervals
- Degradation of target proteins
 - Less likely to lead to resistance

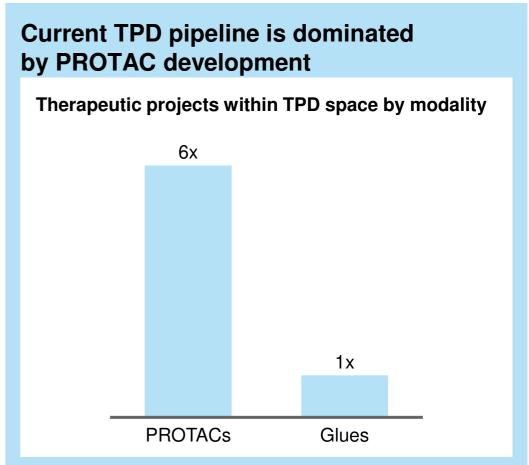
Classically defined as "druggable" by small molecules / targeted by approved drugs



Rapidly expanding therapeutic space reflects the potential of TPD

150 TPD projects currently in development







Molecular glues are the more attractive degraders

Glues are currently under-represented in the TPD pipeline

	Molecular glues	PROTAC
Drug like-ness		
Pharmacological properties		
Synthetic tractability		
Discovery path	Challenging	Rational design



BMS is a leader in targeted protein degradation

Molecular glue targeted protein degraders on market and in clinical development

Company	Degrader	Target	Indications	E3 ligase	Highest phase
Ull Bristol Myers Squibb [™]	CC-220 (Iberdomide)	IKZF1/3	Multiple Myeloma	CRBN	Phase II
رااا Bristol Myers Squibb™	CC-92480	IKZF1/3	Multiple Myeloma	CRBN	Phase II
l Bristol Myers Squibb [™]	CC-90009	GSPT1	AML	CRBN	Phase I
رااً Bristol Myers Squibb [™]	CC-99282	IKZF1/3	Chronic myeloid leukaemia, non- Hodgkin lymphoma	CRBN	Phase I
ull Bristol Myers Squibb [™]	CC-91633	CK1a	AML	CRBN	Phase I
C4 Therapeutics	CFT7455	IKZF1/3	MM	CRBN	Phase I
biotheryx	BTX1188	IKZF1/3 GSPT1	HM, Solid tumours	CRBN	Phase I
b NOVARTIS	DKY709	IKZF2	Solid tumours (NSCLC)	CRBN	Phase I

Strong sales

- Revlimid & Pomalyst together\$ 15 bn Sales in 2021
- Strong pipeline
 - 5 CELMoD®s and 1 PROTAC in clinical development
 - 2 PROTACs and 5 CELMoDs in full discovery



Unbiased and systematic discovery of molecular glues

From exploratory to strategic partnership

Bristol Myers Squibb

evotec

Strategie evnergien

Exploratory proteomics driven approach



2018

- Exploratory proteomics-driven approach to discover novel molecular glues
- Proved to be highly productive

Strategic expansion

May 2022

- Extend and expand unbiased and systematic approach to discover new molecular glues
- Driven by **EVO**panOmics and **EVO**panHunter
- Goal to build an extensive pipeline of breakthrough therapies based on molecular glues



Selecting the most promising molecules via Omics profiling

EVOpanOmics – High performance transcriptome and proteome analysis as the starting point

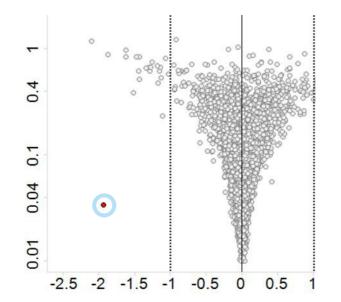
EVOpanOmics



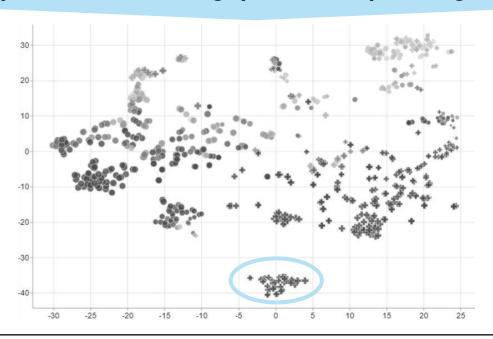
High performance proteomics

ScreenSeq High performance transcriptomics





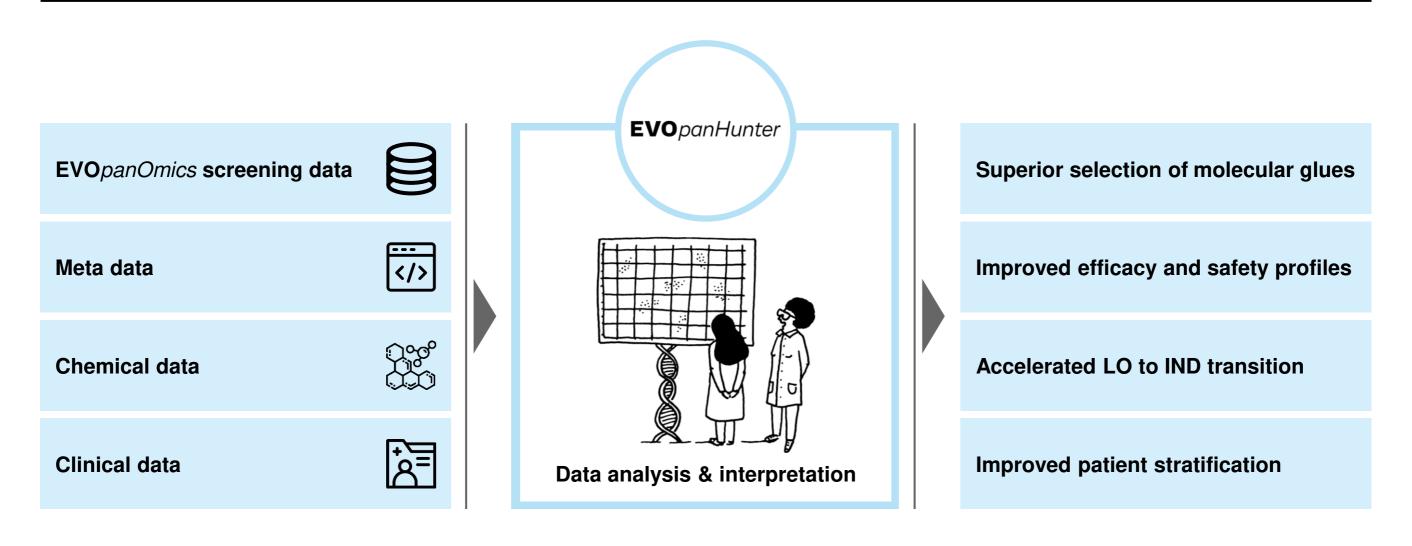
Unprecedented throughput and sequencing depth





Billions of datapoints require AI/ML-driven analytics

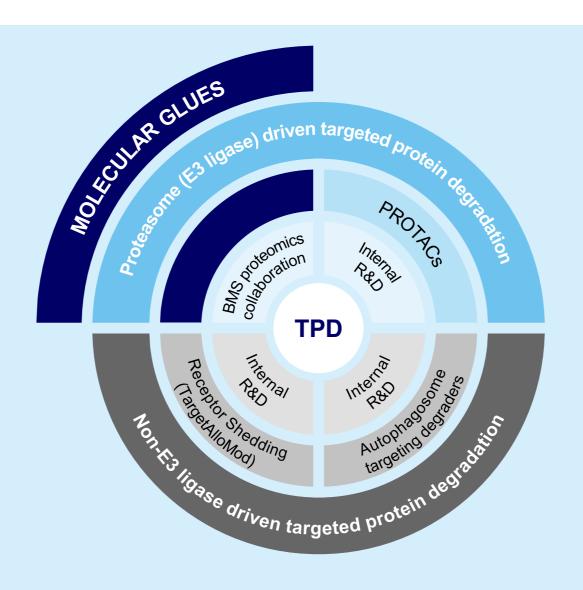
EVOpanOmics & **EVO**panHunter





Systematic pursuit of TPD just at the beginning ...

Harnessing various mechanisms of protein degradation





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