From Serendipity to Rational Design

Taking Molecular Glue Degraders to New Heights | 2nd Annual TPD Europe Summit, March 17, 2022

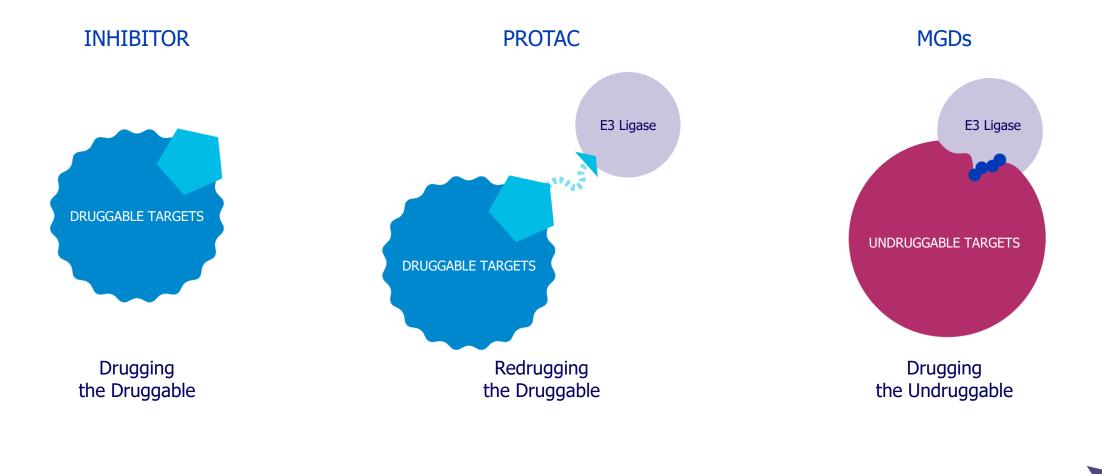
Amine Sadok, PhD Sr Director - Head of Discovery Technologies



Forward-Looking Statements

These materials include express and implied "forward-looking statements," including forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward looking statements include all statements that are not historical facts, and in some cases, can be identified by terms such as "may," "might," "will," "could," "would," "should," "expect," "intend," "plan," "objective," "anticipate," "believe," "estimate," "predict," "potential," "continue," "ongoing," or the negative of these terms, or other comparable terminology intended to identify statements about the future. Forward-looking statements contained in these materials include, but are not limited to, statements about our product development activities, including our expectations around the ongoing development of our QuEEN[™] platform and in silico tools, the advancement of our pipeline and the various products therein, including -the timing for filing our IND for our GSPT1 program and the advancement of additional programs, the expansion of our compound and degron libraries, our ability to identify additional molecular glue degraders, and our scientific predictions around clinical opportunities for our programs, including for GSPT1 program. By their nature, these statements are subject to numerous risks and uncertainties, including the impact that the current COVID-19 pandemic will have on our development activities and operations, as well as those risks and uncertainties set forth in our Quarterly Report on Form 10-Q for the third quarter ended September 30, 2021 filed with the US Securities and Exchange Commission, and any subsequent filings, that could cause actual results, performance or achievement to differ materially and adversely from those anticipated or implied in the statements. You should not rely upon forward looking statements as predictions of future events. Although our management believes that the expectations reflected in our statements are reasonable, we cannot guarantee that the future results, performance or events and circumstances described in the forward-looking statements will be achieved or occur. Recipients are cautioned not to place undue reliance on these forwardlooking statements, which speak only as of the date such statements are made and should not be construed as statements of fact. We undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, any future presentations or otherwise, except as required by applicable law. Certain information contained in these materials and any statements made orally during any presentation of these materials that relate to the materials or are based on studies, publications, surveys and other data obtained from third-party sources and our own internal estimates and research. While we believe these third-party studies, publications, surveys and other data to be reliable as of the date of these materials, it has not independently verified, and makes no representations as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. In addition, no independent source has evaluated the reasonableness or accuracy of our internal estimates or research and no reliance should be made on any information or statements made in these materials relating to or based on such internal estimates and research.

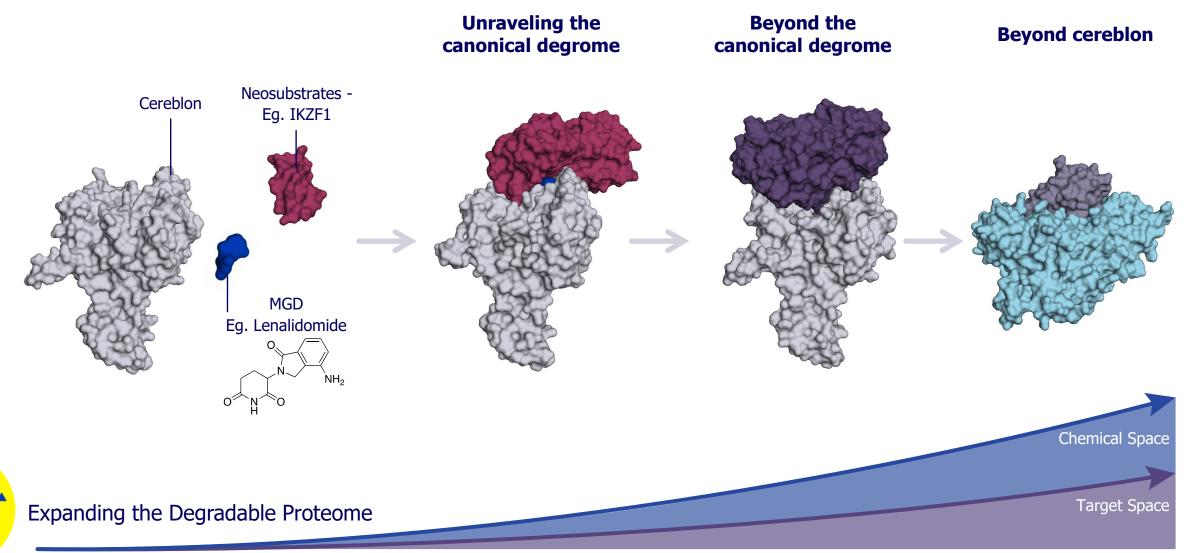
Molecular Glue Degraders (MGDs) Expanding target space, fostering a new generation of drugs



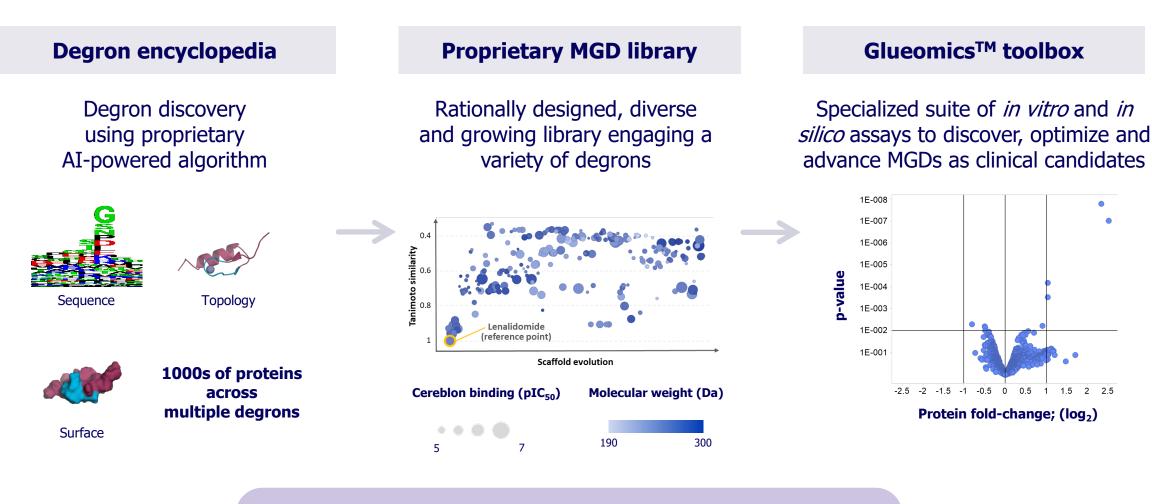


Target Space

Our Rational Approach to Unleash the Full Potential of MGDs

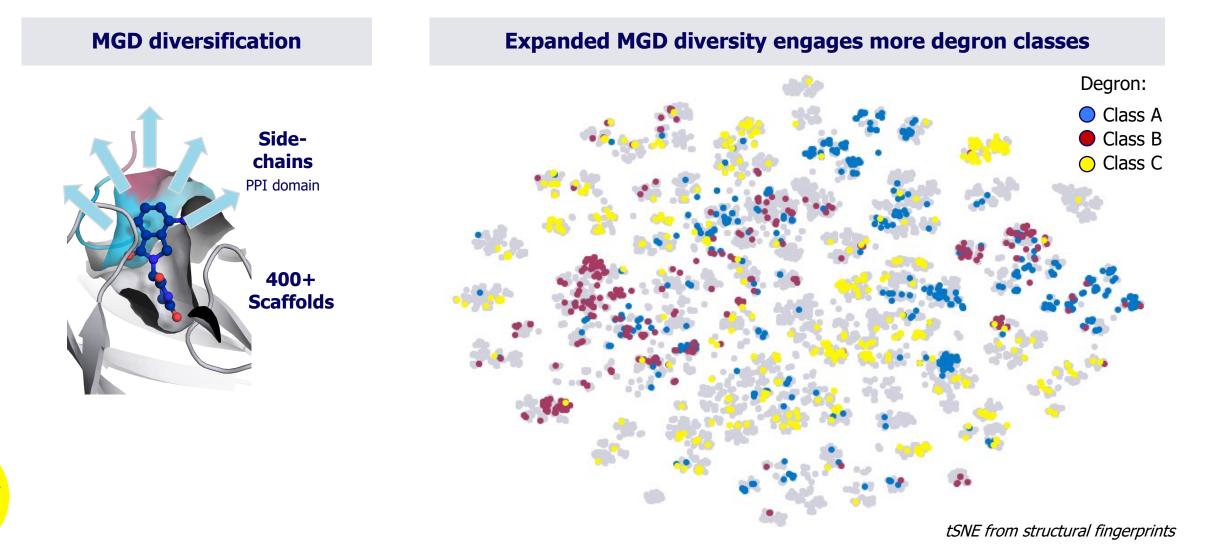


QuEEN[™] Discovery Platform: A Target-Centric Approach to MGDs



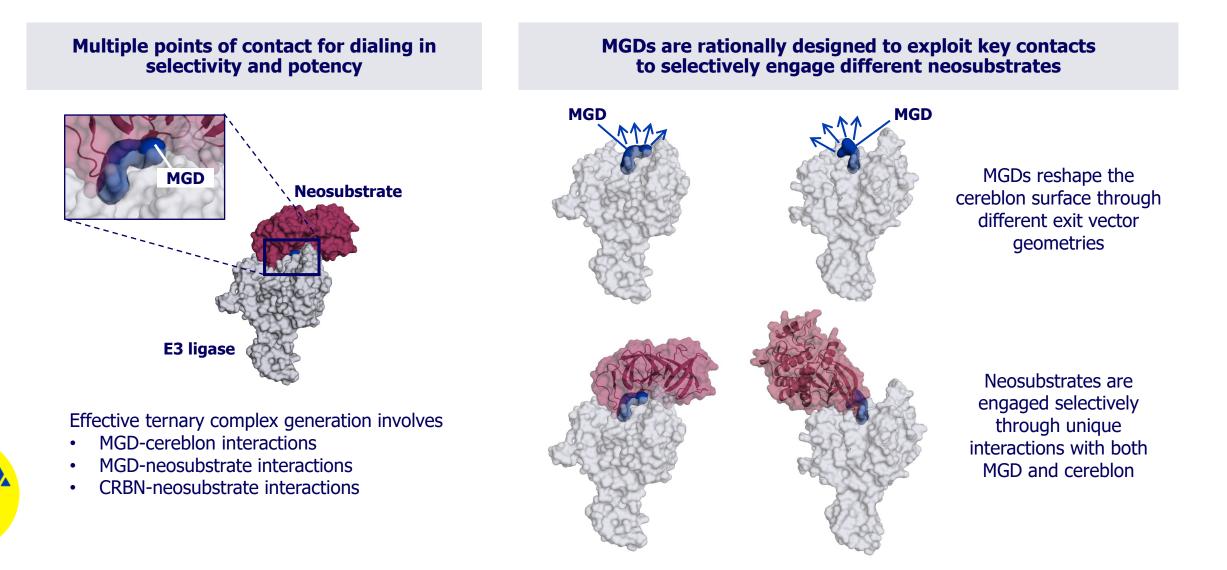
Accessing a large pool of undruggable targets with a diverse MGD library

Expanding MGD Exit Vectorology Engages Novel Degron Classes

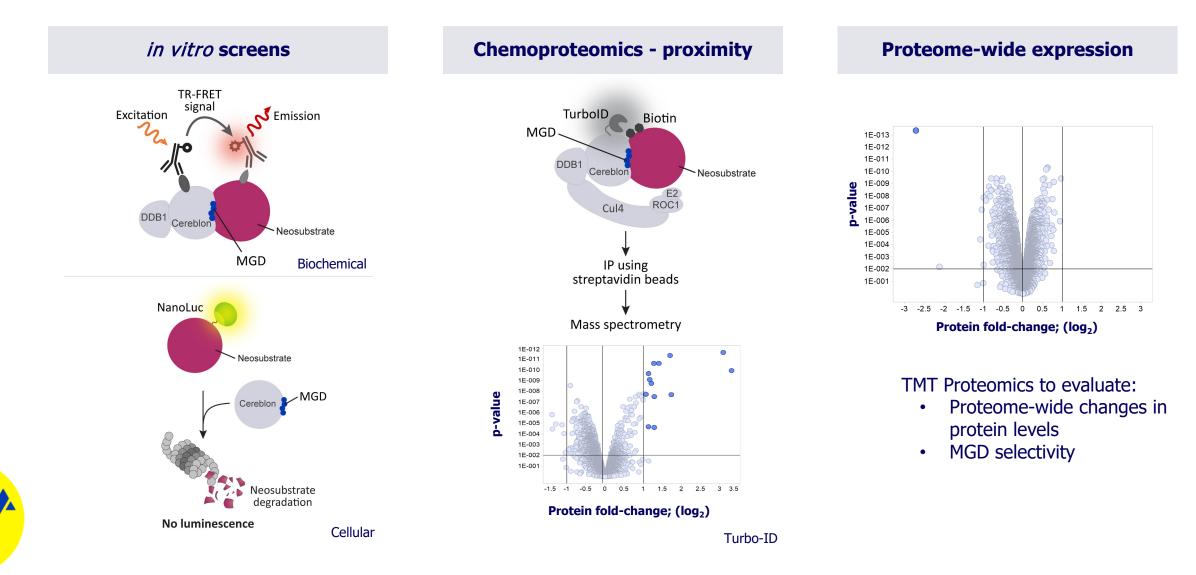


MGDs Reprogram the Cereblon Surface

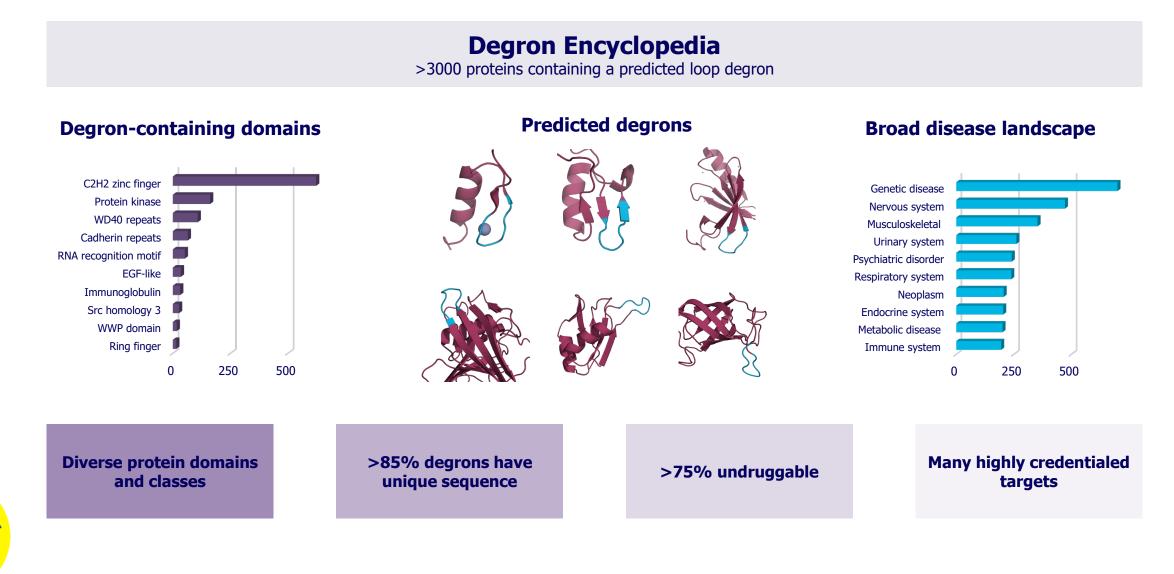
Remodeled MGD-CRBN surface enables selective engagement of neosubstrates



Glueomics[™] Toolbox Accelerates Identification of MGDs Multiple assays enable rapid identification and validation of MGDs for novel targets

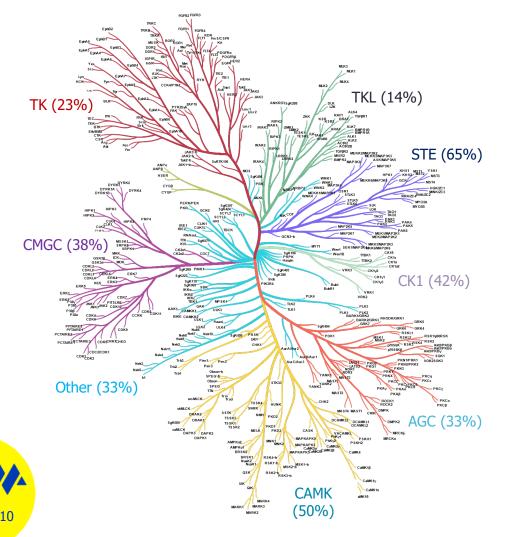


A Rich, Differentiated Target Space Across Protein Domains and Diseases



Degron Encyclopedia Predicts Degrons in Specific Kinases An opportunity to selectively degrade tough-to-selectively inhibit proteins

Degrome



Kinases with degrons

- Over 170 human kinases have predicted degrons
- Degrons occur in kinase, SH3 and other domains
- Includes multiple kinases with scaffolding functions

Degrons provide a unique selectivity handle Uniqueness

- Degrons typically occur outside conserved regions
- Sequence homology is more diverse than binding pockets, allowing for more selective engagement

[%] kinase families with a predicted degron

Degron Encyclopedia Predicts Degrons in Specific Kinases Chemoproteomics confirm neosubstrate induced proximity and degradation

1E-013

1E-012

1E-011

1E-010

1E-009

1E-008

1E-007

1E-006

1E-005

1E-004

1E-003

1E-002

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1E-011

1E-010

1E-009

1E-008

1E-007

1E-006

1E-005

1E-004

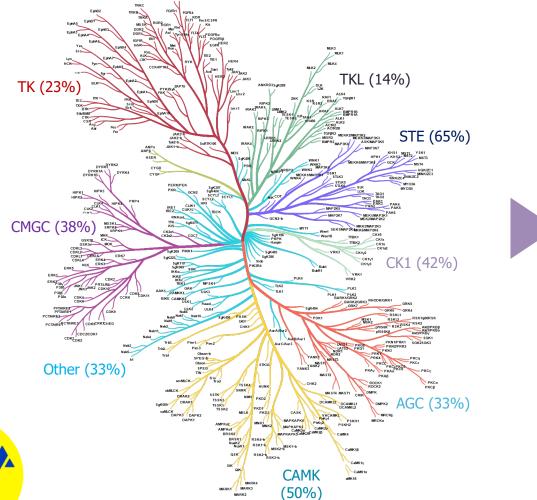
1E-003

1E-002

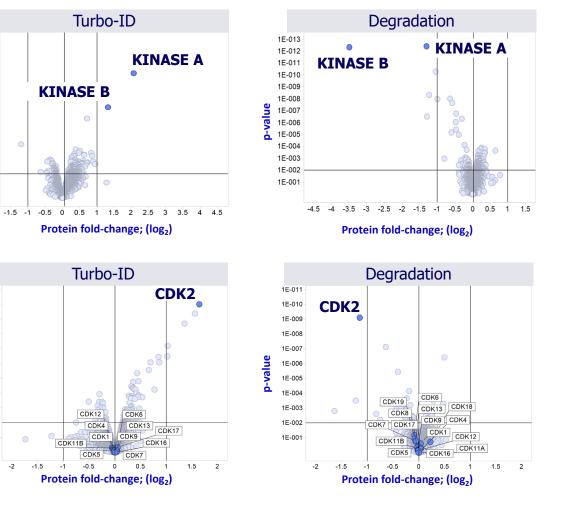
1E-001

value

value

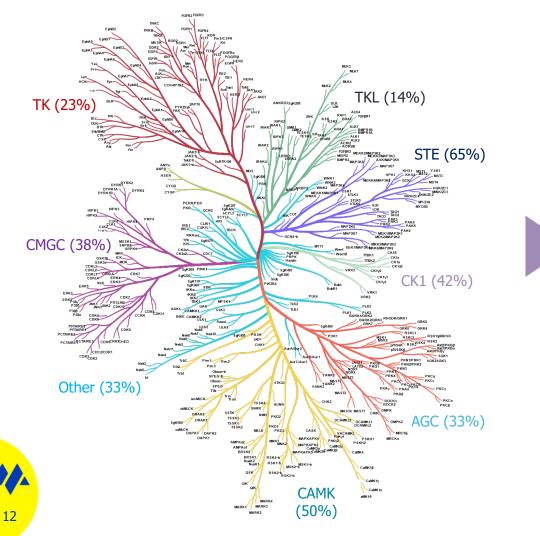


> 30 kinases identified from Turbo-ID

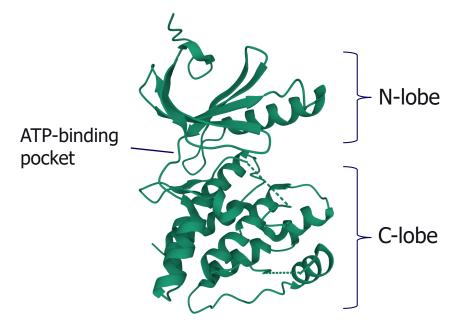


% kinase families with a predicted degron

Degron Encyclopedia Predicts NEK7 has Unique Degron An opportunity to selectively degrade tough-to-selectively inhibit proteins



NEK7 degron sequence is unique among NEK family

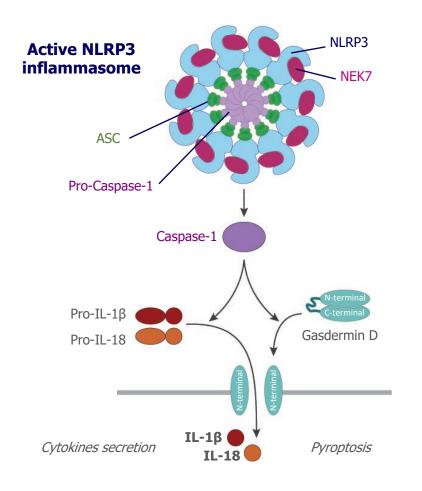


- High sequence conservation in ATP-binding pocket
- Low homology in the degron sequence

% kinase families with a predicted degron

NEK7 (NIMA-Related Kinase 7) as a Target for Inflammatory Disease

NEK7 is an essential regulator of the inflammasome



Therapeutic hypothesis: Diseases with over-activated or mutated NLRP3 inflammasome

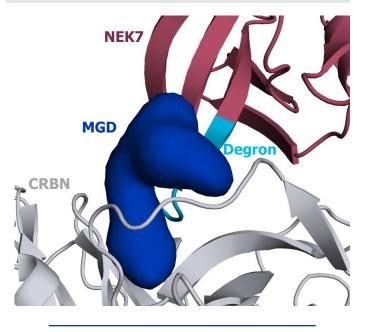
- NEK7 licenses NLRP3 assembly in a kinase independent manner
- NEK7-deficient macrophages are severely impaired in IL- 1β and IL-18 secretion

Clinical opportunity: First-in-class NEK7 degraders for

- Over-activated NLRP3 inflammasome: metabolic pathologies, cardiovascular diseases, inflammatory issues and neurologic disorders
- NLRP3 activating mutations: Cryopyrin-associated periodic syndromes (CAPS)

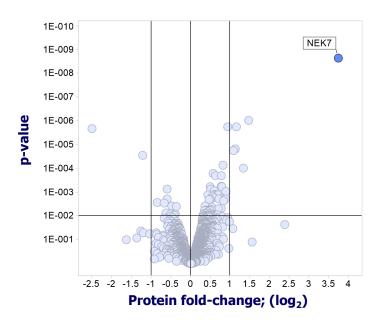
Rationally Designed NEK7-Directed MGDs are Selective

Rhapsody model enables rapid chemistry optimization

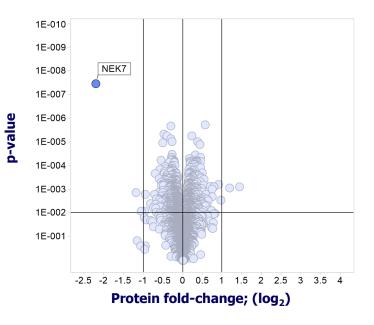


in vitro data		
CRBN binding, K _i	48 nM	
Ternary complex, EC ₅₀	20 nM	
Degradation, DC ₅₀	10 nM	

Rationally designed MGDs promote selective CRBN proximity

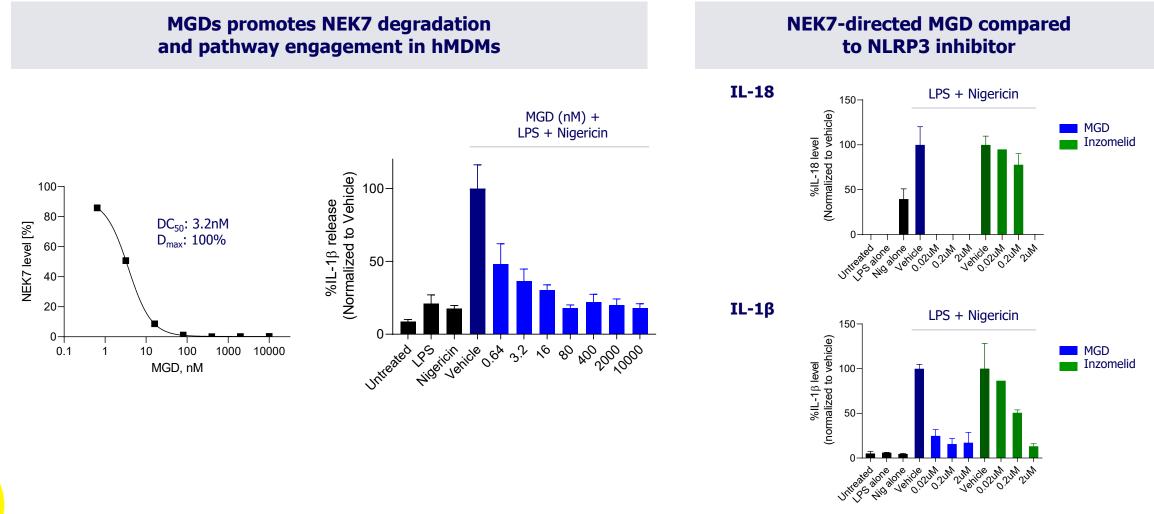


NEK7-directed MGD promotes selective degradation of NEK7



Turbo-ID – 6hr post treatment

NEK7-directed MGDs Modulate NLRP3 Pathway in Human Macrophages



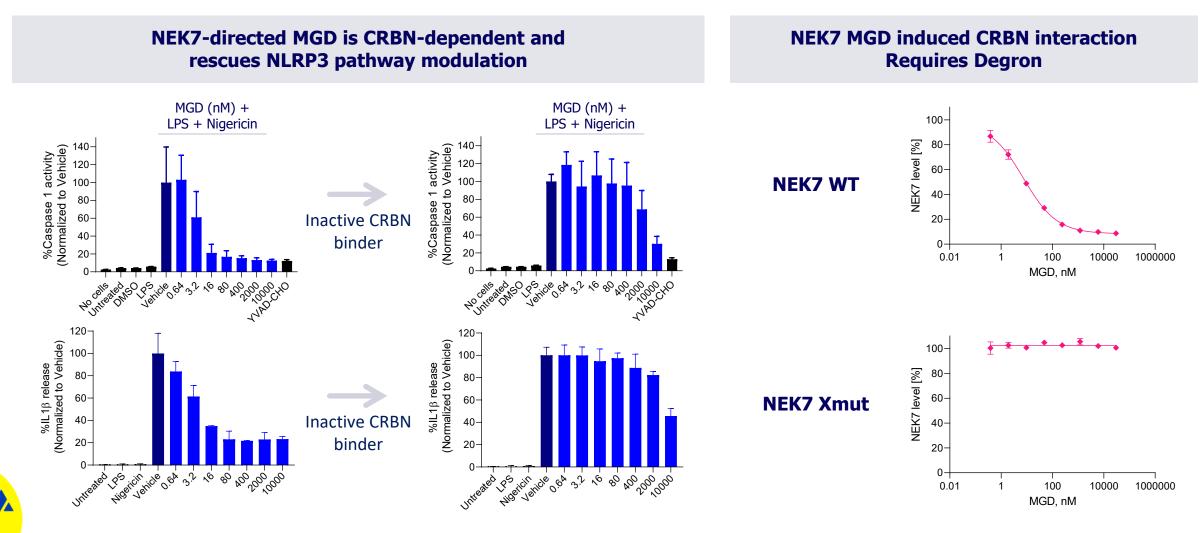
Western blot – 24 hr

15

Treatment (6hr) of primed hMDMs

Treatment (20 hr) of primed hMDMs CASP1 and LDH showed similar profile

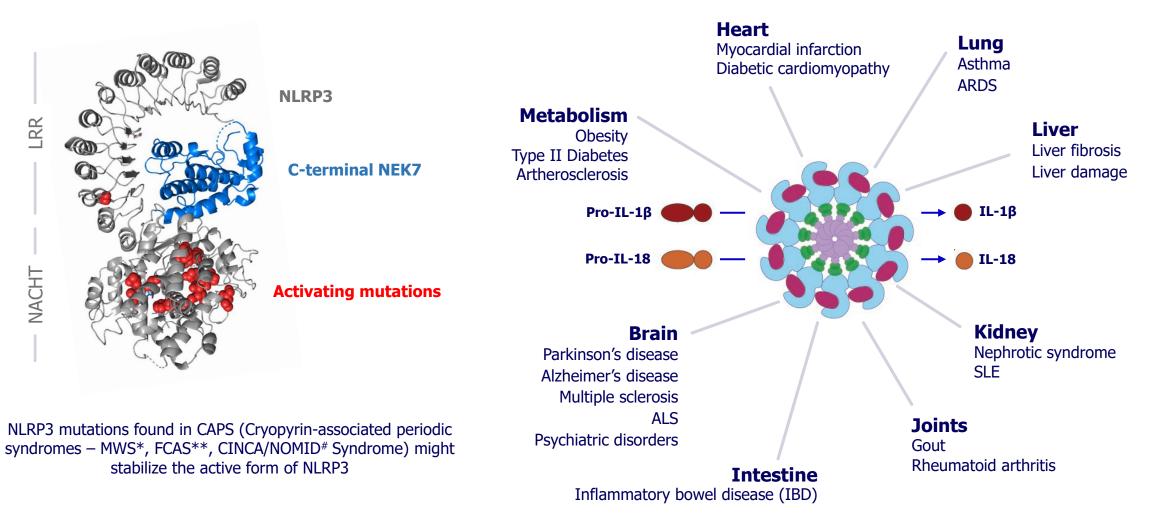
MGD Induced NEK7 Degradation is CRBN- and Degron-Dependent



Overactivation of the NLRP3 Inflammasome in Diseases

NLRP3 activating mutations

Over-activated NLRP3 inflammasome



*Muckle-Wells Syndrome

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** familial cold autoinflammatory syndrome, #Chronic infantile neurological cutaneous and articular/neonatal onset multisystem inflammatory disease

Monte Rosa Pipeline Rapidly advancing wholly owned MGD programs targeting undruggable proteins

Target / Program	Indication(s)	Discovery	IND-Enabling	Clinical	Next Anticipated Milestones	Ownership
GSPT1	NSCLC, SCLC and other MYC-driven Malignancies				IND filing mid-2022	
NEK7	Inflammatory Diseases				IND-Enabling	
CDK2	Ovarian Cancer, Breast Cancer				Studies	
VAV1	T and B Cell Malignancies, Autoimmune Disease					
BCL11A	SCD, β -Thalassemia				Lead Optimization	
Undisclosed	Multiple					

Thank You

