



September 2023 | NASDAQ: BYSI



# Disclaimer

This presentation has been prepared for informational purposes only. No money or other consideration is being solicited, and if sent in response, will not be accepted. This presentation shall not constitute an offer to sell, or the solicitation of an offer to buy, any securities, nor shall there be any sale of these securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction. The Company is not under any obligation to make an offering. It may choose to make an offering to some, but not all, of the people who indicate an interest in investing. The information included in any registration statement will be more complete than the information the Company is providing now, and could differ in important ways.

This presentation and any accompanying oral commentary contain forward-looking statements about BeyondSpring Inc. (“BeyondSpring” or the “Company”). Forward- looking statements are based on our management’s beliefs and assumptions and on information currently available to our management, including those described in the forward-looking statements and risk factors sections of the Company’s 20-F filed on April 18, 2023 and other filings with the United States Securities and Exchange Commission (SEC).



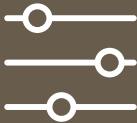


Such statements are subject to known and unknown risks, uncertainties, and other factors that may cause our or our industry’s actual results, levels of activity, performance, or achievements to be materially different from those anticipated by such statements. In some cases, you can identify forward-looking statements by terminology such as “may,” “will,” “should,” “expects,” “plans,” “anticipates,” “believes,” “estimates,” “predicts,” “potential,” “intends,” or “continue,” or the negative of these terms or other comparable terminology. Forward-looking statements contained in this presentation include, but are not limited to, (i) statements regarding the timing of anticipated clinical trials for our product candidates and our research and development programs; (ii) the timing of receipt of clinical data for our product candidates; (iii) our expectations regarding the potential safety, efficacy, or clinical utility of our product candidates; (iv) the size of patient populations targeted by our product candidates and market adoption of our product candidates by physicians and patients; and (v) the timing or likelihood of regulatory filings and approvals.

Except as required by law, we assume no obligation to update these forward-looking statements publicly, or to update the reasons why actual results could differ materially from those anticipated in the forward-looking statements, even if new information becomes available in the future.







The market data and certain other statistical information used throughout this presentation are based on independent industry publications, governmental publications, reports by market research firms or other independent sources. Some data are also based on our good faith estimates. Although we believe these third-party sources are reliable, we have not independently verified the information attributed to these third-party sources and cannot guarantee its accuracy and completeness. Similarly, our estimates have not been verified by any independent source.

By attending this presentation, you acknowledge that you will be solely responsible for your own assessment of the market and our market position and that you will conduct your own analysis and be solely responsible for forming your own view of the potential future performance of our business.

# Investment Highlights

	<b>Plinabulin: Safety &amp; Efficacy</b>	Lead Asset Plinabulin: >700 cancer patients treated with good tolerability; Positive Phase 3 data in 2 indications
	<b>Plinabulin Potential</b>	Plinabulin: Dual Benefit in anti-cancer and prevention of CIN; Potential in re-sensitizing in PD-1/PD-L1 progressed patients in multiple cancers
	<b>SEED: Novel TPD Platform &amp; Pipeline</b>	SEED: 7 Disclosed Pipeline Assets with 1 expected to enter IND in 2024
	<b>Premier Partnerships</b>	SEED: Investment and R&D Collaboration from Eli Lilly
	<b>Intellectual Property</b>	Strong Intellectual Property and Technology Protection

# Pipeline

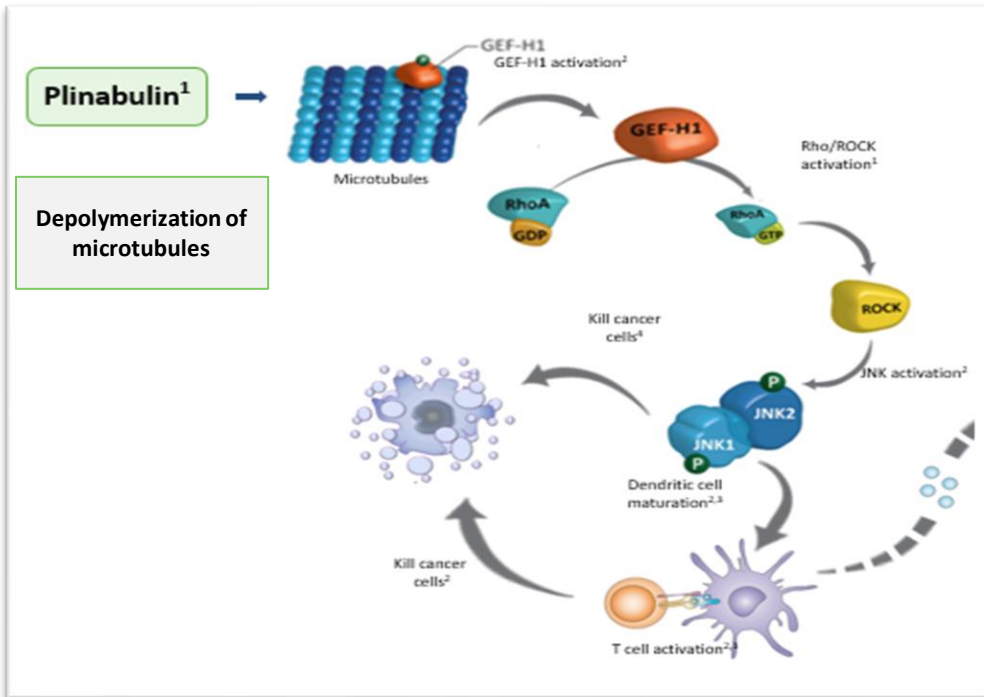
	Indication/Target	Program	Preclinical	Phase 1	Phase 2	Phase 3	Registration	Trial Name / Collaborator
Late stage	NSCLC (2 <sup>nd</sup> /3 <sup>rd</sup> line)	Plinabulin + Docetaxel						DUBLIN-3
	CIN Prevention	Plinabulin + Pegfilgrastim						PROTECTIVE-1 & PROTECTIVE-2
Investigator Initiated Trials	SCLC (2 <sup>nd</sup> /3 <sup>rd</sup> line)	Plinabulin + PD-1 + CTLA-4						 Bristol Myers Squibb 
	NSCLC (2 <sup>nd</sup> /3 <sup>rd</sup> line PD-1 failed)	Plinabulin + PD-1 + Docetaxel						
	7 cancers (PD-1/PD-L1 failed)	Plinabulin + PD-1/PD-L1 + Radiation						THE UNIVERSITY OF TEXAS 
	AHCT (hematopoietic stem cell transplantation) in Multiple myeloma	Plinabulin + Pegfilgrastim						 Memorial Sloan Kettering Cancer Center
Early Stage	Preclinical assets	BPI-002, BPI-003, BPI-004						
SEED	7 Disclosed Targets (Internal & Collaboration)	Targeted Protein Degradation (TPD) Molecular Glue Platform						



# Plinabulin: Induce Innate and Adaptive Immunity

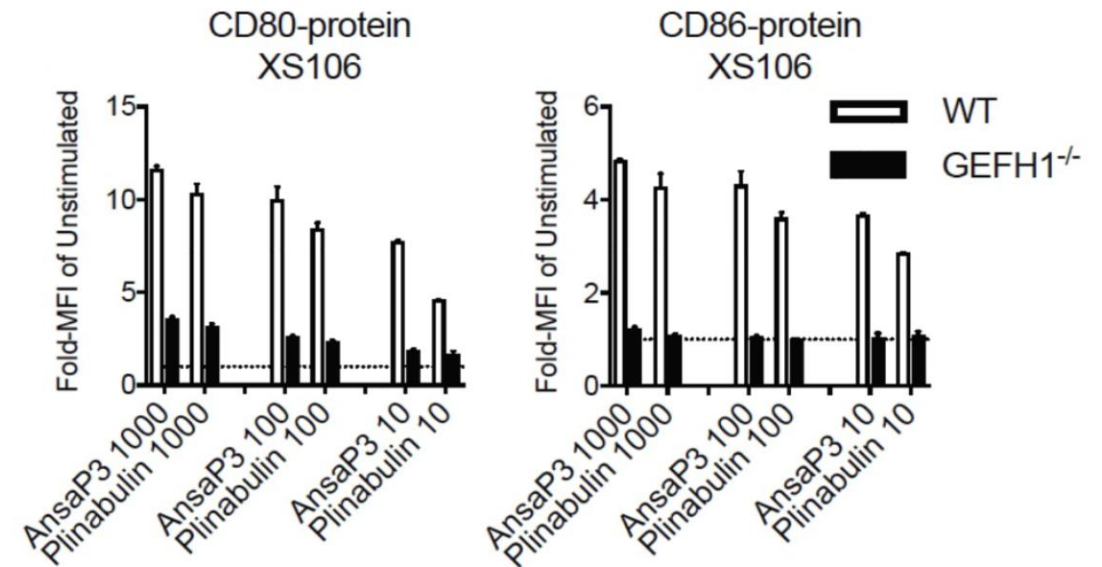
By depolymerizing microtubules, plinabulin releases, or activates, immune-defense protein GEF-H1. This leads to dendritic cell maturation (the most potent APC).

## Plinabulin Novel Target: Immune Defense Protein GEF-H1<sup>1</sup>



In WT DC cells, plinabulin can induce DC maturation, but not in GEF-H1 deleted DC cells<sup>2</sup>. CD80 and CD86 up-regulation are biomarkers for DC maturation.

## DC activation in WT and GEFH1<sup>-/-</sup> XS106 cells

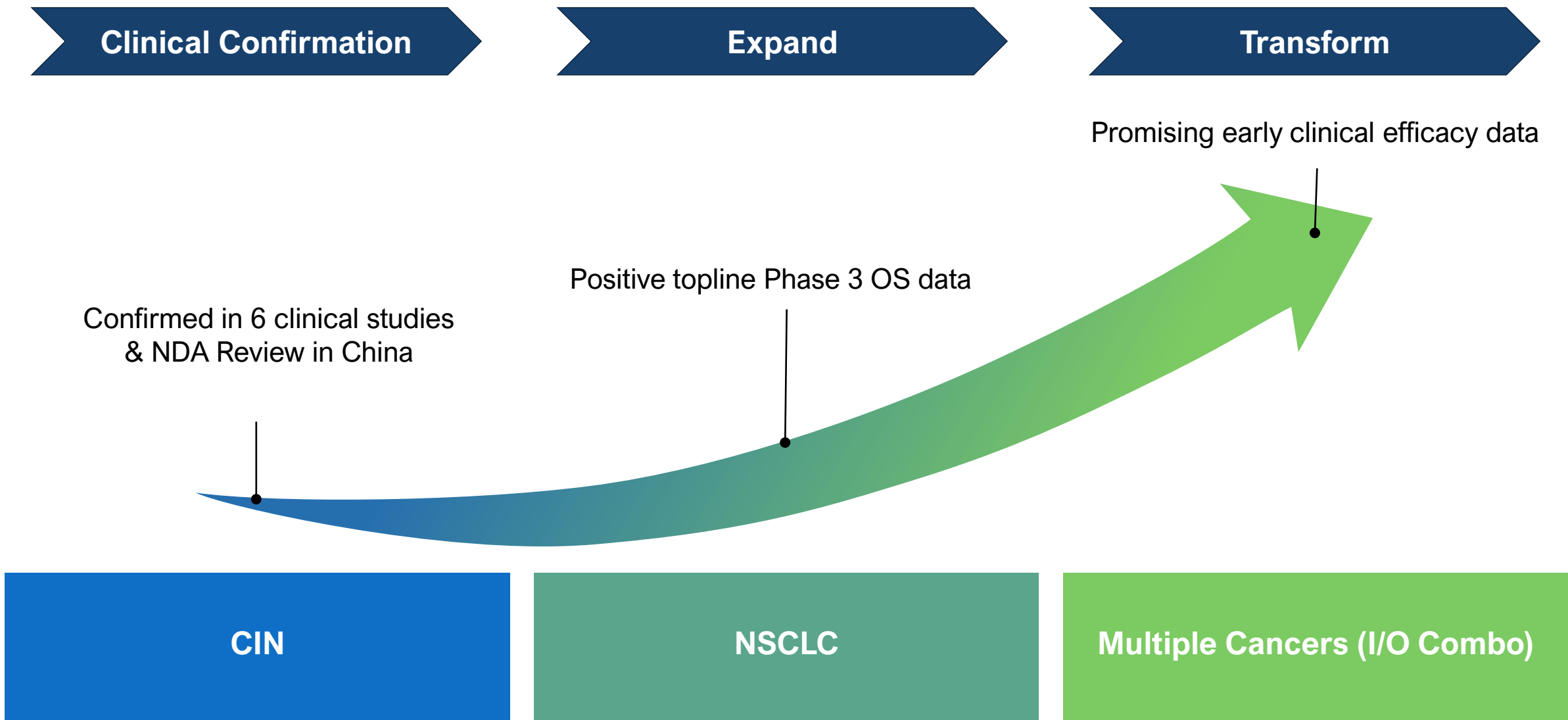


AnsaP3, Maytansinoid cytotoxic (positive control compound), too toxic for human study

<sup>1</sup> La Sala et al., Chem 5(11): 2969-2986 (2019)

<sup>2</sup> Kashyap et al., Cell Reports 28(13): 3367-3380 (2019)

# Plinabulin Franchise





## SEED Therapeutics: Target Protein Degradation (TPD) Company





# SEED Therapeutics

## Founders:

- Avram Hershko, MD PhD (Nobel Prize Winner, Technion), a world expert in ubiquitin-mediated TPD research;
- Ning Zheng, PhD (HHMI, Pharmacology Dept, University of Washington), a pioneer in structural biology of ubiquitin E3 ligases;
- Michele Pagano, MD (HHMI, Chairman, Biochemistry and Molecular Pharmacology Dept, NYU School of Medicine), a pioneer in the biology of TPD research;
- Lan Huang, PhD (Scientist and entrepreneur, CEO of SEED), expert in TPD field by solving the first E3 ligase structure and biotech company operation.

**Company Focus:** Development of innovative precision medicine using proprietary and unique TPD platforms.

**Drug Pipeline:** The platform has been translated into a robust pipeline with 7 disclosed development programs including a drug candidate advancing to IND filing in 2024.

## Investors and R&D Collaborator:

- Seed Financing: Led by Eli Lilly and Company (\$10M), joined by BeyondSpring Inc. (\$6M)
- Additional Eli Lilly R&D collaboration on multiple targets, with upfront \$10M and up to \$780M milestone payments, and tiered sales royalties.



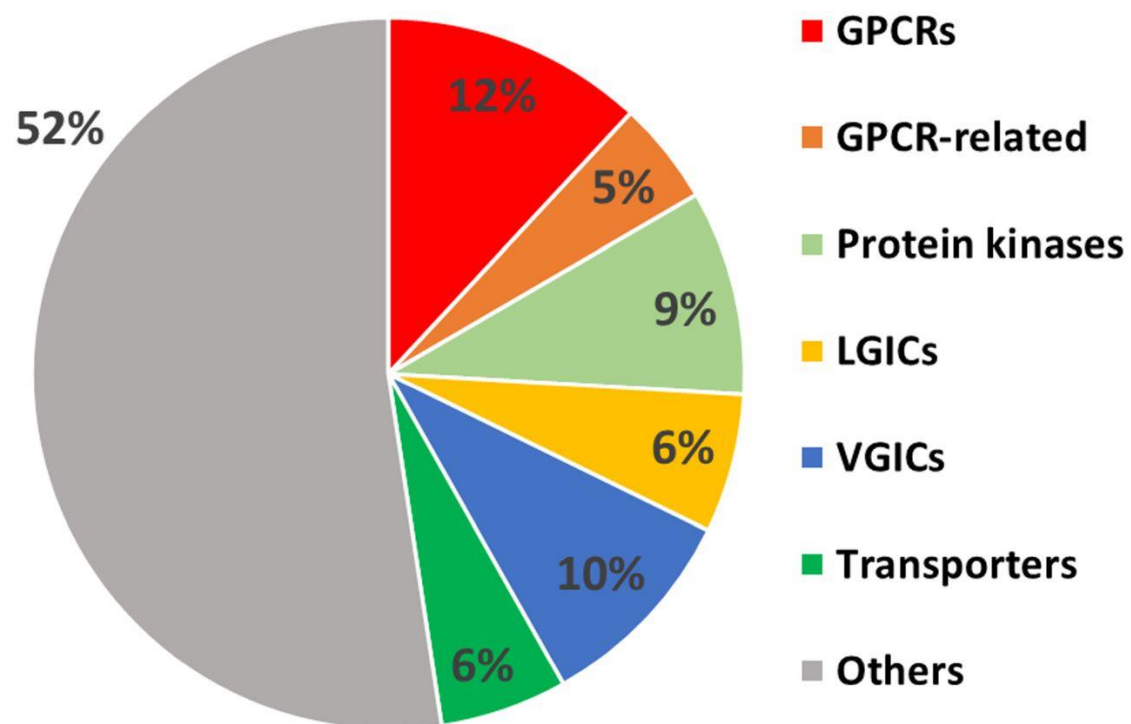
## Built Infrastructure and Organization

- 10,000 lab and office space in King of Prussia, PA
- Scientific team with precious experience of >40 IND filings and >12 drug approvals.



# Targeted Protein Degradation (TPD) Targets 80% of Disease-Causing Proteins That are Currently Undruggable

Druggable Proteins

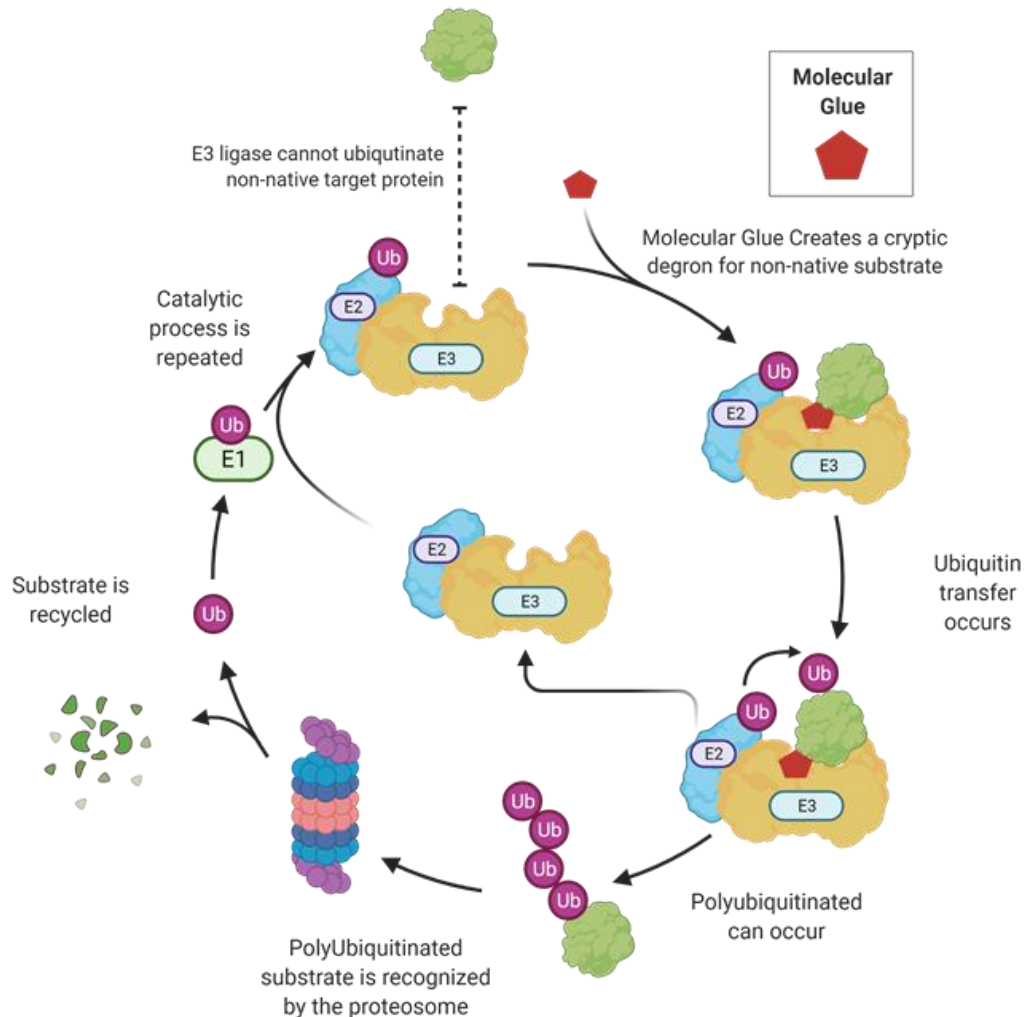


<https://doi.org/10.1124/mol.117.111062>

TPD for Undruggable Proteins



# Nature Derived TPD Molecular Glue Approved To Degrade Cancer-causing Proteins



## Normal cell protein regulation via proteasomal degradation

- Natural method for selective protein degradation
- Nature derived IMiDs are approved molecular glues that hijack E3 ligases to degrade cancer causing proteins

## SEED opportunity to capitalize on Nobel Prize winning biology to bring de novo designed molecular glues to patients



**Avram Hershko, MD, PhD**

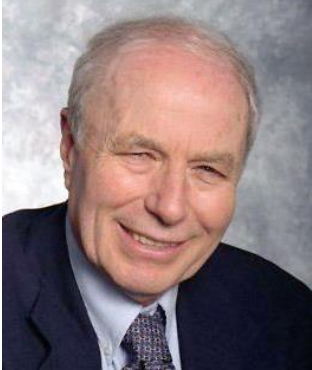


The Nobel Prize in Chemistry 2004

Prize motivation: "For the discovery of ubiquitin-mediated protein degradation."

**SEED Therapeutics Co-Founder and SAB member**

# Strong Scientific Foundation With Proven Execution Capability to Timely Deliver Drug Pipeline for Multiple Unmet Medical Needs

World-Leading Scientific Expertise → **Translate to Drug Pipeline**

<b>Avram Hershko MD, PhD</b>	<b>Ning Zheng, PhD</b>	<b>Michele Pagano, MD</b>	<b>Lan Huang, PhD</b>	<b>James Tonra, PhD</b>
				
Pioneer in the ubiquitin proteasome system  <b>Nobel Prize Recipient</b>	Pioneer in Molecular Glue discovery and scientific structural rationale	World leader in the discovery and application of ubiquitin ligase biology and cancer biology	Ubiquitin ligase expert and proven biotech entrepreneur at BYSI and Seed	Translating Science into the Clinic at Regeneron, Millennium, ImClone, Kadmon, and BYSI
SEED co-Founder and SAB Member	SEED co-Founder and SAB Member	SEED co-Founder and SAB Member	CEO, SAB Member and co-Founder	President and CSO

# Exceeding Seed Financing Expectations

## SEED Internal Program Milestones

### Development of SEED's unique TPD platforms and filed patents

- Multi-dimensional platforms to select the right E3 for any target;
- HTS screening and medicinal chemistry platforms which incorporate AI-predicted blood brain barrier penetration properties for CNS drug development,
- Proprietary statistical learning algorithms and neural networks (AI)

### Infrastructure and Organization Building

- Renovated and occupied 10,000 sq ft SEED Headquarter, with 7,000 sq ft lab space;
- Hired full time drug R&D personnel, with significant focus on expertise in early-stage drug discovery and development

### Translation of SEED Platforms into Drug Pipeline of 7 disclosed programs in various disease areas

**Project X:** POC in cell and animal models; lead candidate advancing to 2024 IND



**Nov. 2020:** SEED received investment and entered into a research collaboration and license agreement with Eli Lilly on targeted protein degradation.





**Jun. 2022:** Received additional investment payment

**Feb. 2023:** Received milestone payment for 1<sup>st</sup> R&D target

**2H 2023:** project to earn additional milestone payments for significant advancement for partner targets

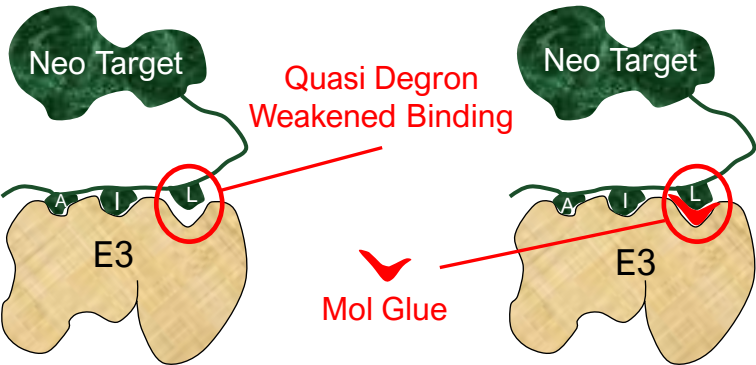
## Eli Lilly Partner Program Milestones

# How SEED Differentiates Itself in Surmounting Challenges

	<b>Unique Challenges</b>	How to identify the right E3 for protein of interest (POI)?
	<b>Target-Centric Differentiation</b>	Identify the right E3 for POI to increase the success rate in drug discovery: Platforms using <b>Quasi-degron, LumID, and Basal Affinity</b>
	<b>Pioneering Effort</b>	World-leading scientific founding team, Talent acquisition, infrastructure development, intellectual property expansion and platform discovery
	<b>Two Prong Approach</b>	De-risked revenue model: R&D partnership and internal program development

# SEED's Multi-dimensional, Proprietary Platform for E3 Selection

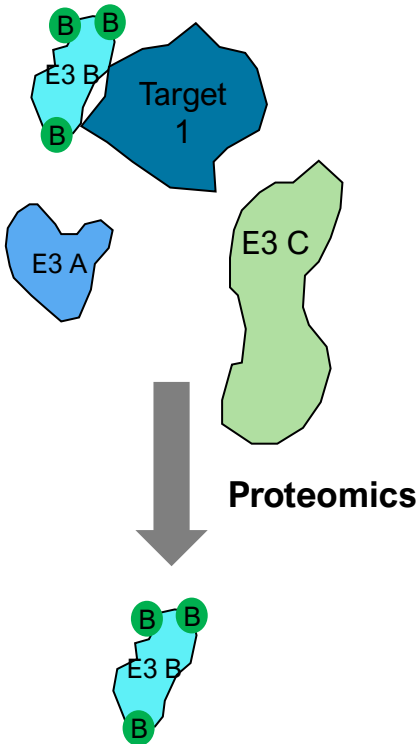
## Knowledge-based Quasi Degron Approach



## Direct Binding Validation

E3	Target	Interaction
E3 A	Target 1	✗
E3 B	Target 1	✓
E3 C	Target 1	✗

## LumID: Identify the right E3 in the “living cell” near protein of interest





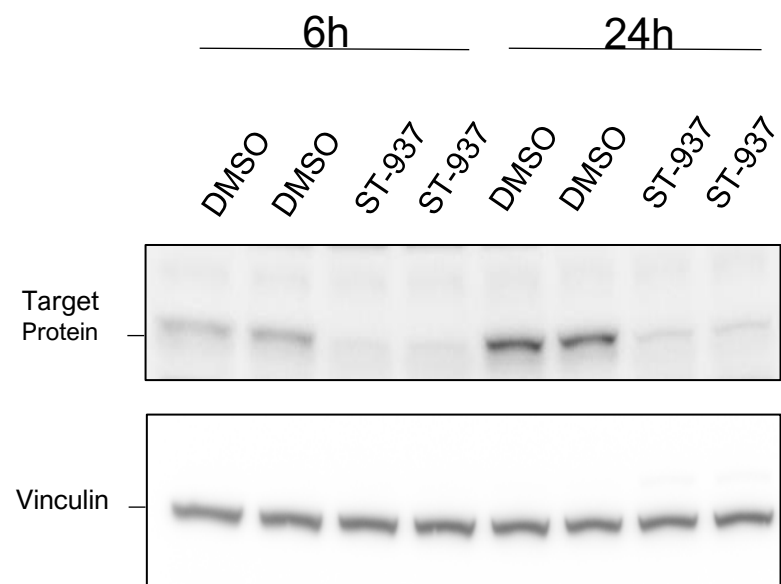
# 7 Drug R&D Pipeline in Multiple Disease Areas

Indication / Target	Target Protein Initiative*	Target Selection	E3 Ligase ID	Molecular Glue HTS	Lead ID	IND Candidate	IND Filing
NeuroD	Target Alpha						
	Tau						
Cancer	Project X						1 <sup>st</sup> IND 2024
	KRAS-G12D						
	Target Beta						
	FEN1						
Antiviral	HBx						

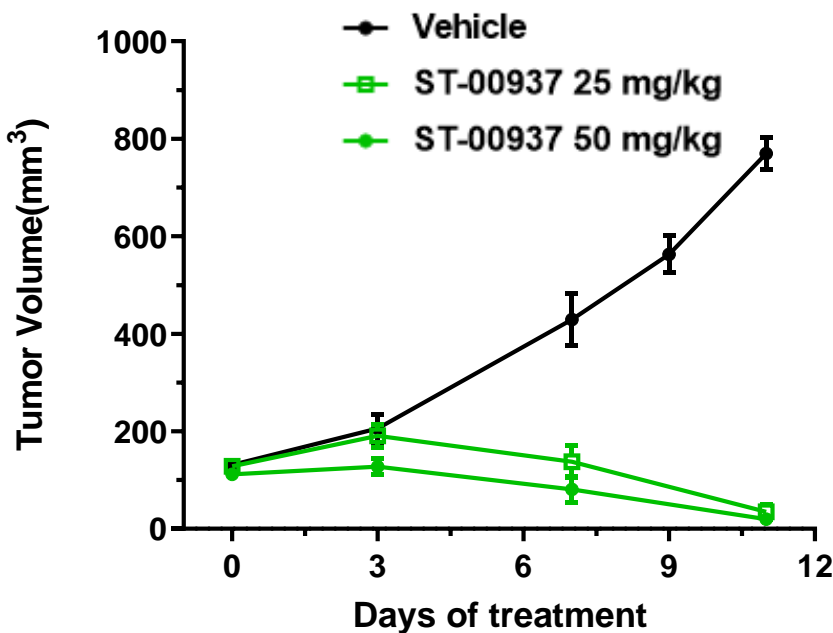
\* 6 of 7 Targets Unpartnered

# Project X: Lead ST-00973 Expected to Enter IND in 2024

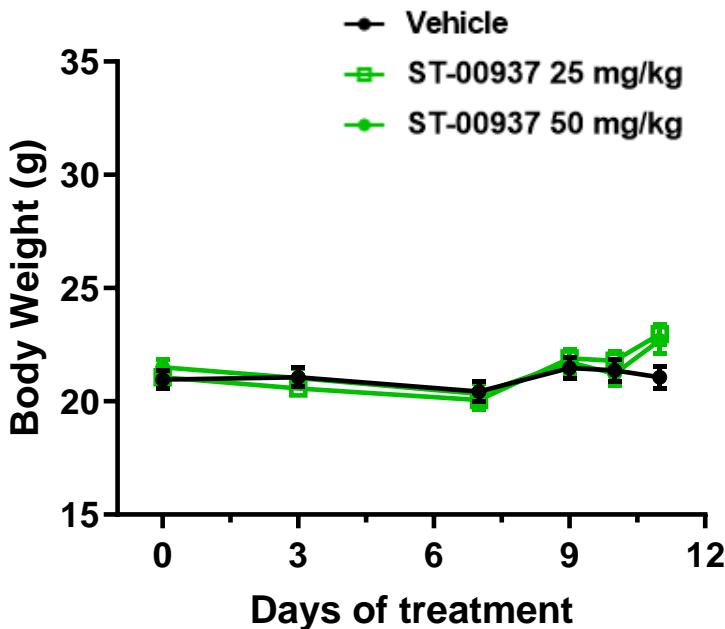
## POC: Degradation of Target protein in Cell



## Superb In Vivo Efficacy: Complete Tumor Regression

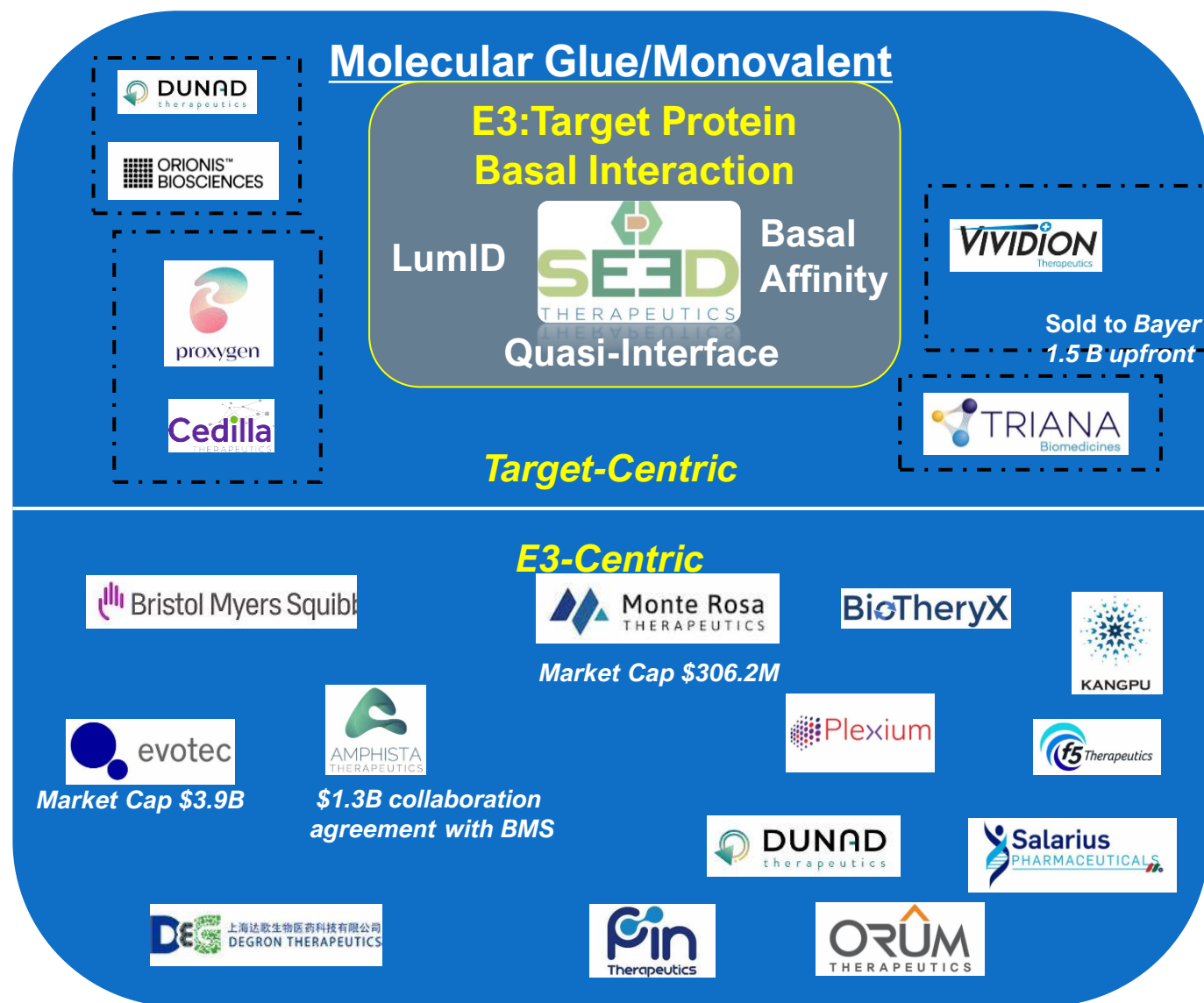


## Good In Vivo Safety: No Weight Loss



Human colorectal cancer cell line, colorectal xenograft in immunodeficient mice (Oral dose, twice daily)

# SEED (TPD 2.0) - Differentiated among High-value TPD Companies



## Pharma Companies Licensing Deals in TPD Assets

### Discovery:

- Deal Size
  - Upfront: \$40 - \$415 M
  - Milestone: \$500 M to \$5 B
- Collaborators:
  - BMS & Evotec
  - Genentech & Jemicare
  - Roche & Vividion
  - Sanofi & Nurix

### Pre IND Stage:

- Deal Size:
  - Upfront: \$100 - \$300 M
  - Milestone: \$1.3 B
- Collaborators:
  - Eli Lilly & Foghorn
  - GSK & IDEAYA

# Summary: First to Market and Best in Class

## 1. Target-centric SEED Breakthrough TPD Platforms Employ Multi-dimensional Proprietary Platforms for E3 Selection

- 80% of disease-causing proteins are undruggable, presenting a tremendous medical opportunity for SEED's new drug development platform;
- With over 600 E3 ligases to choose from, SEED's platforms will identify and validate molecular glues with high probability of success to accelerate towards clinical testing, and to realize commercial potential in multiple disease areas, including cancer and neurodegeneration.

## 2. SEED Breakthrough TPD Platforms Assure Successful Translation to Robust Pipeline with Near-term Value Creation

- Development candidate selected for expected 2024 IND;
- Currently disclosed 7 programs in multiple disease areas.

## 3. SEED is among the Leaders in the Industry in MG R&D for Undruggable Targets for Unmet Medical Needs

- Have exceeded seed financing expectations in talent attraction, infrastructure development, intellectual property, platform discovery, partner milestone achievement, and drug pipeline growth and advancement towards clinic;
- Unmatched team of seasoned, highly motivated experts: Founders, Drug Developers, BOD.



## Plinabulin: Chemotherapy-Induced Neutropenia (CIN) Prevention Indication

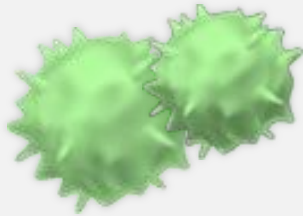


# CIN: Unmet Medical Need in Low White Blood Cell Count (depth of Neutropenia) in Week 1 After Chemotherapy

Despite widespread G-CSF use, CIN is #1 reason for FN, ER visits, hospitalization, sepsis, mortality, and chemotherapy dose reduction and disruption<sup>1</sup>

## Short-term

G-CSF can reduce the duration of severe neutropenia, **but not depth of neutropenia**, which still happens in week 1 after chemo use.



**Patients less Protected  
in week 1  
after Chemotherapy  
with G-CSF**

## Long-term

Chemotherapy's anti-cancer effectiveness is linear to its dose exposure. **The objective to prevent CIN is to sustain optimum dose of chemo.**

**Reduction in  
Relative Dose  
Intensity (RDI)  
of Chemotherapy**



**Reduction in  
Overall Survival<sup>2</sup>**

**The Unmet Medical Need: Neutropenia Depth or Low ANC Nadir in Week 1, “Neutropenia Vulnerability Gap” (NVP)**

- >75% clinical complications occur in week 1 after chemo, which G-CSF cannot protect;
- The depth of severe neutropenia has not been improved by G-CSF, which Plinabulin can Improve.



# Six Clinical Studies Confirm Plinabulin's Neutropenia Prevention Benefit

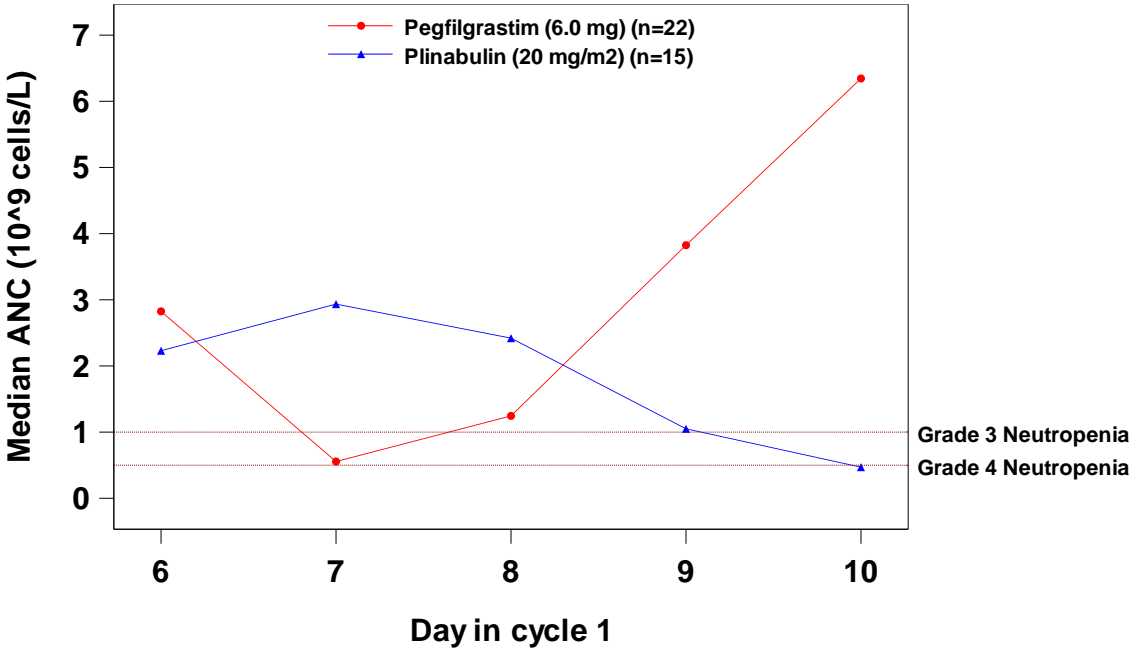
## Plinabulin enables more use of chemotherapy

	ANC-based Benefit	Clinical Benefit
Study 101 (Phase 2) - Docetaxel, NSCLC	<b>Grade 3/4 Neutropenia (C1D8):</b> Plinabulin (n=90, 10% G-CSF): <b>7%</b> vs. Placebo (n=73, 30% G-CSF): <b>26%</b> , p=0.002	<b>Sepsis:</b> 0% Plinabulin vs. 3.6% Placebo <b>Severe Infection:</b> 0% Plinabulin vs. 3.6% Placebo <b>Docetaxel dose reduction:</b> 6.7% Plinabulin vs. 19.2% Placebo
Study 103 (Phase 3) - Docetaxel, NSCLC	<b>Grade 4 Neutropenia (SN, C1D8):</b> Plinabulin (n=278, 40% G-CSF): <b>5.3%</b> vs. Placebo (n=281, 50% G-CSF): <b>27.8%</b> (p<0.0001) <b>Grade 4 neutropenia in patients used G-CSF (C1D8):</b> Plinabulin + G-CSF (n=111): 7.21% vs. G-CSF (n=141): 38.3% (p<0.0001)	<b>FN:</b> 1.8% Plinabulin + G-CSF vs. 3.55% G-CSF <b>Infection with SN:</b> 0% Plinabulin + G-CSF vs. 6.38% G-CSF <b>More docetaxel exposure</b> in plinabulin vs. placebo <b>Overall survival (OS) extension</b> , double 2-year, 3-year OS rate in plinabulin vs. placebo
Study 105 (Phase 2) - Docetaxel, NSCLC	<b>DSN (Cycle 1):</b> Plinabulin (n=14): 0.36 day (non-inferior) vs. Pegfilgrastim (G-CSF): 0.15 day	<b>Bone pain:</b> minimum or no bone pain in plinabulin <b>Global QoL:</b> improvement in Plinabulin vs. G-CSF (p<0.001) <b>Platelet count decrease:</b> 0% Plinabulin vs. 35% grade 1 G-CSF
Study 105 (Phase 3) - Docetaxel, NSCLC, Breast, Prostate Cancer	<b>DSN (Cycle 1):</b> Plinabulin (n=52): 0.77 day (non-inferior) vs. Pegfilgrastim (n=53): 0.25 day	<b>FN:</b> 0% plinabulin vs. 1.9% G-CSF <b>Infection:</b> 7.7% plinabulin vs. 15.1% G-CSF <b>Bone pain:</b> less bone pain plinabulin vs. G-CSF (p=0.01)
Study 106 (Phase 2) - TAC, Breast Cancer	<b>Grade 4 Neutropenia (SN, Cycle 1):</b> Plinabulin + Pegfilgrastim (n=16): 38% vs. Pegfilgrastim (n=22): 59% <b>Median ANC Nadir (Cycle 1, x10<sup>9</sup> cells/L):</b> Plinabulin + Pegfilgrastim (Combo): 1.0 vs. Pegfilgrastim: 0.46	<b>Patients received &gt;85% TAC treatment:</b> 100% combo vs. 82% G-CSF
Study 106 (Phase 3) - TAC, Breast Cancer	<b>Grade 4 Neutropenia (SN, Cycle 1):</b> Combo (n=111): 68.5% vs. Pegfilgrastim (n=110): 86.4%, p=0.0015 <b>Profound Neutropenia (PN, Cycle 1)<sup>1,2</sup>:</b> Combo (n=111): 21.6% vs. Pegfilgrastim (n=110): 46.4%, p=0.0001	<b>FN:</b> 3.6% combo vs. 6.4% G-CSF <b>Duration of FN:</b> 1.3 day combo vs. 2.3 day G-CSF <b>Hospitalization for FN:</b> 3.8 day combo vs. 7.4 day G-CSF <b>Grade 4 Infection:</b> 0.9% combo vs. 3.6% G-CSF

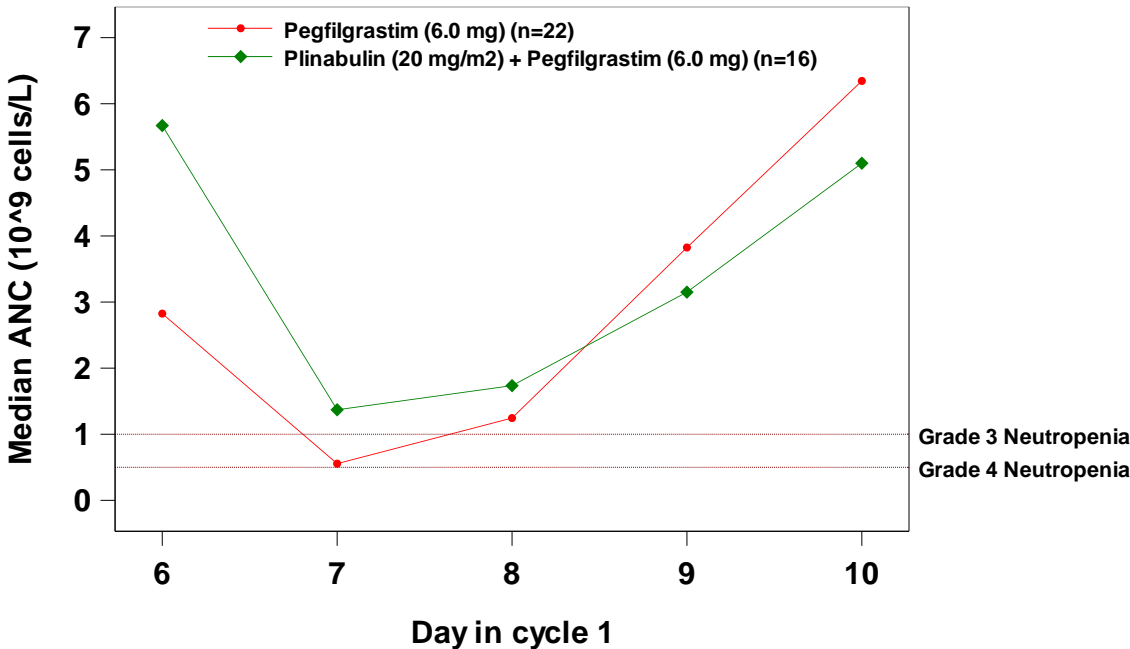
# PROTECTIVE-2 (106 Study, Phase 2): Rationale for the Combination

ANC in Cycle 1 After TAC for Breast Cancer  
- Pegfilgrastim Unmet need in ANC protection in Week 1 - Plinabulin fills the Gap

Pegfilgrastim vs Plinabulin



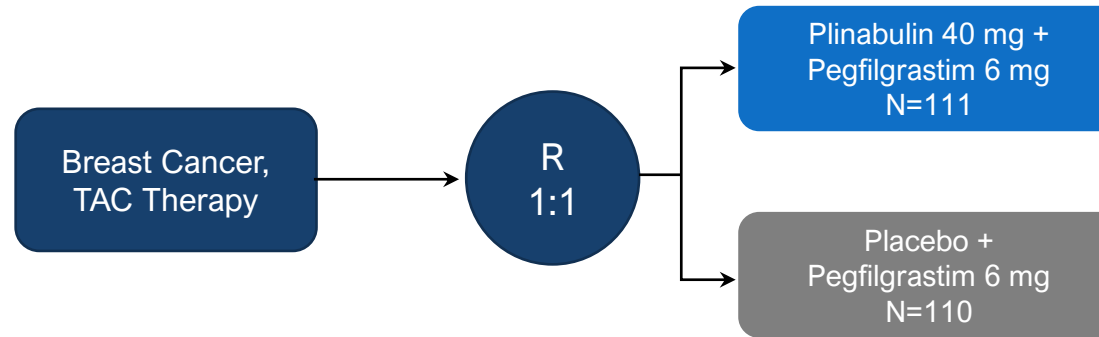
Plinabulin + Pegfilgrastim vs Pegfilgrastim



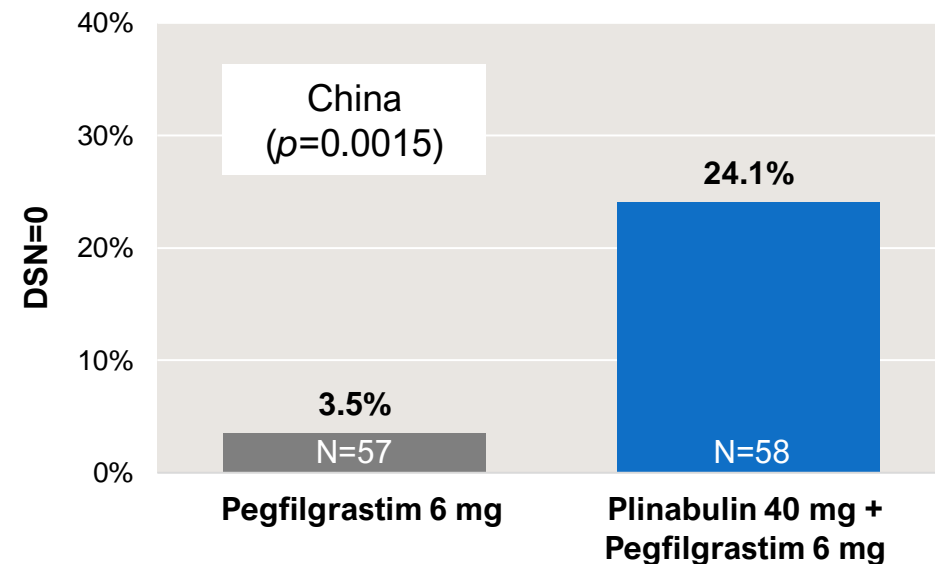
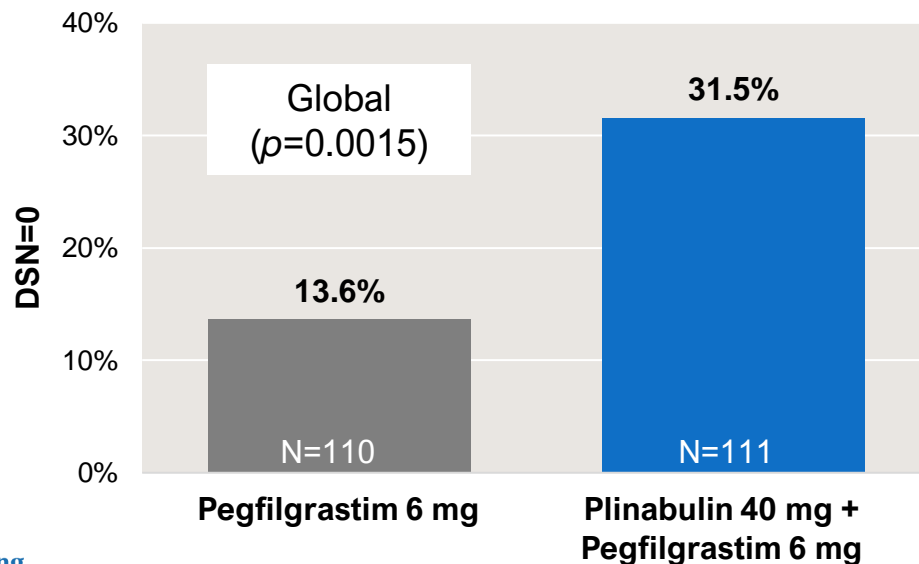
The depth of severe neutropenia has not been improved by G-CSF, which Plinabulin can Improve.

# Met Primary Endpoint in PROTECTIVE-2 (106 Study) Phase 3

**Design:** Double blind, global study (19 centers); 4 cycles



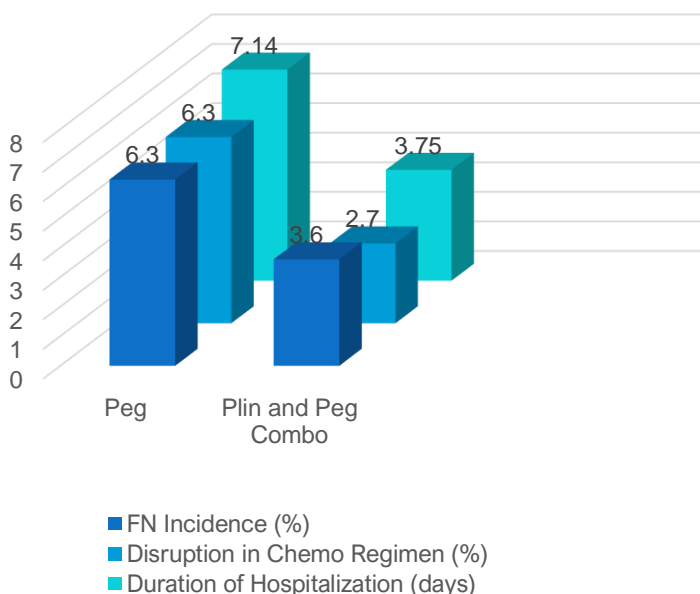
**Results:** Proportion of Patients with NO Grade 4 Neutropenia (or DSN= 0 Days) in Cycle 1



# 106 Phase 3: Superior Improvement Seen with the Combination in Clinically Meaningful Endpoints Compared to Pegfilgrastim Alone

## Reduction of Incidence and Severity of FN and Hospitalization

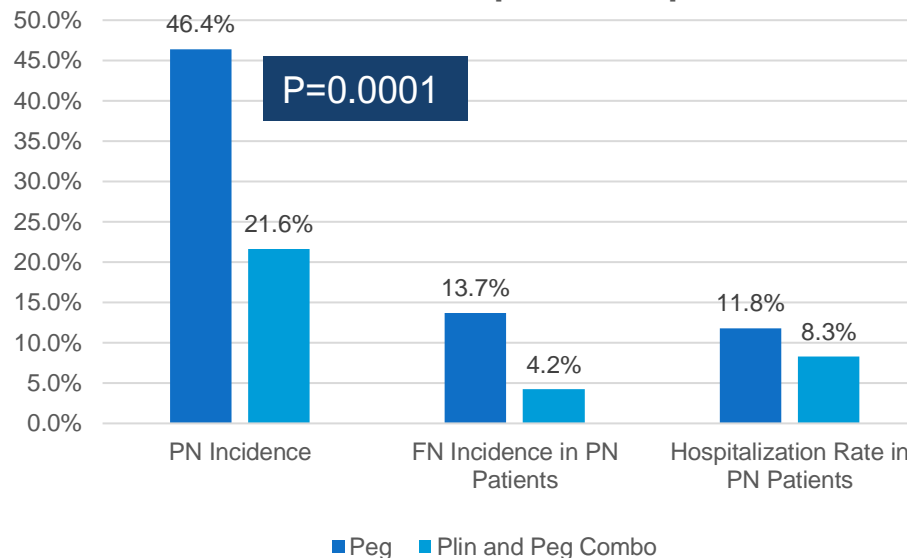
Clinical Endpoints



## Reduction of Profound Neutropenia (PN) Related Benefits

Plinabulin improves depth of neutropenia

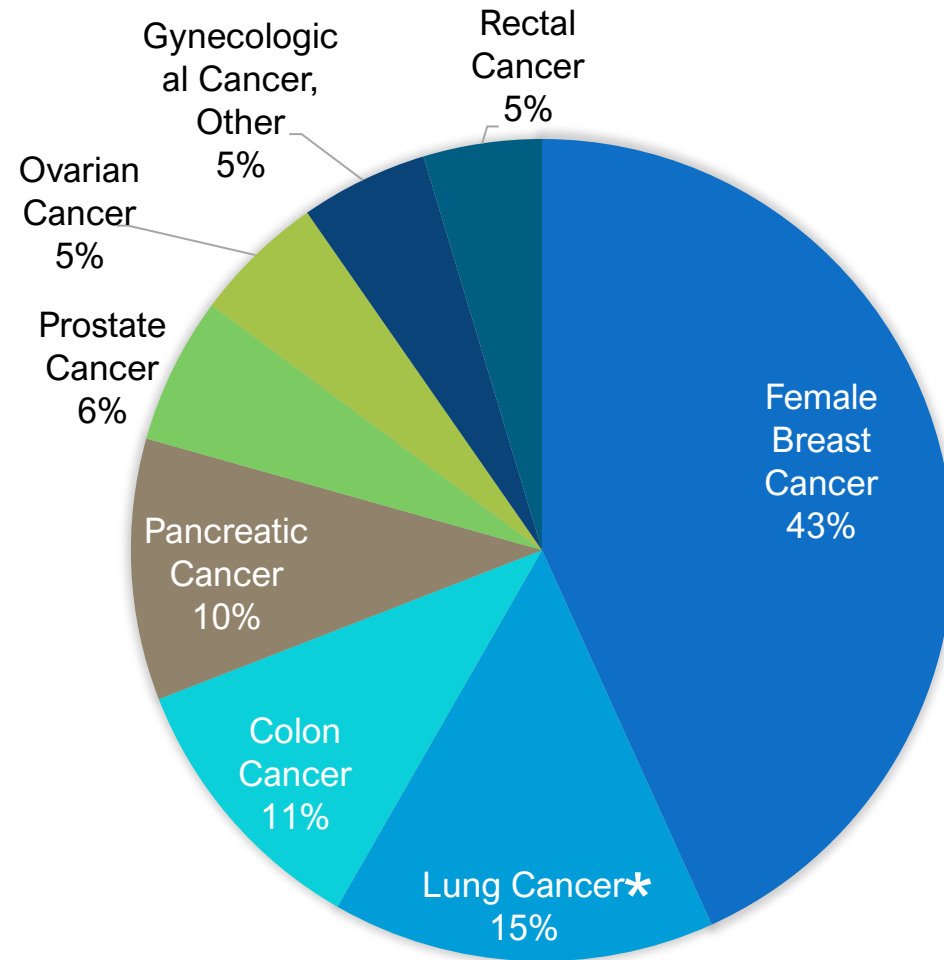
Profound Neutropenia Endpoints



**Profound neutropenia (ANC < 0.1) is the key contributor to death from FN, which causes 15% death\*.**

# Potential for Use Across the Spectrum of Solid Tumors

## G-CSF Administrations: Across Solid Tumor



## Plinabulin Differentiated Benefit for CIN Prevention compared with G-CSF

- Improve depth of neutropenia;
- First day dosing;
- Limited bone pain and limited thrombocytopenia;
- Potential in combination with PD-1/PD-L1 inhibitors and chemotherapy regimen to prevent CIN and increase anti-cancer benefit

\* SCLC ~15% of all lung cancer diagnoses

Source: IQVIA G-CSF Tumor Analysis; 7/19 – 6/20



2<sup>nd</sup>/3<sup>rd</sup> Line NSCLC Indication





# 2L/3L NSCLC, no Driver Mutation: Docetaxel as Standard of Care (SOC)

With PD-1/PD-L1 moving to 1L, Docetaxel remains SOC for 2L/3L NSCLC

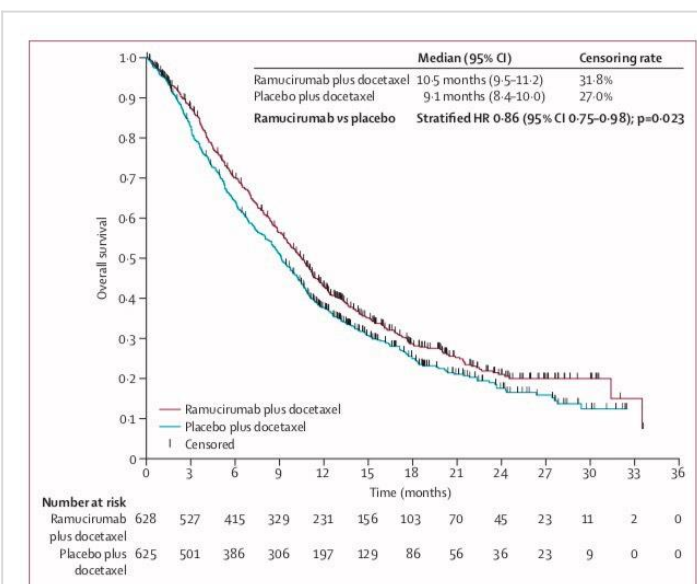
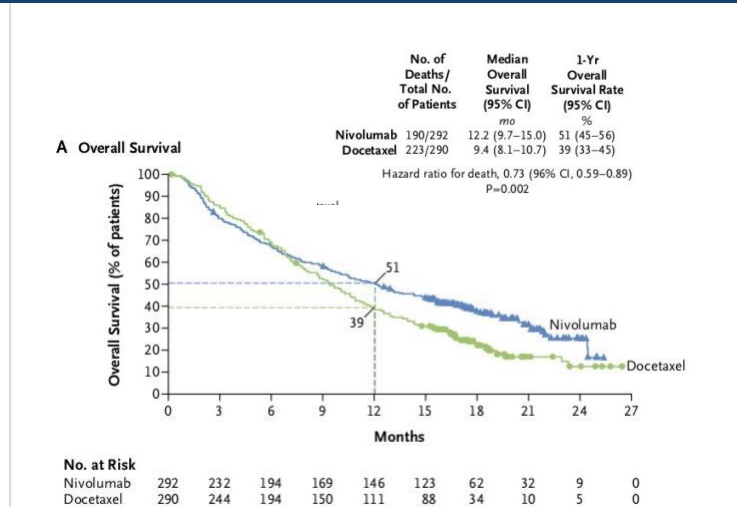
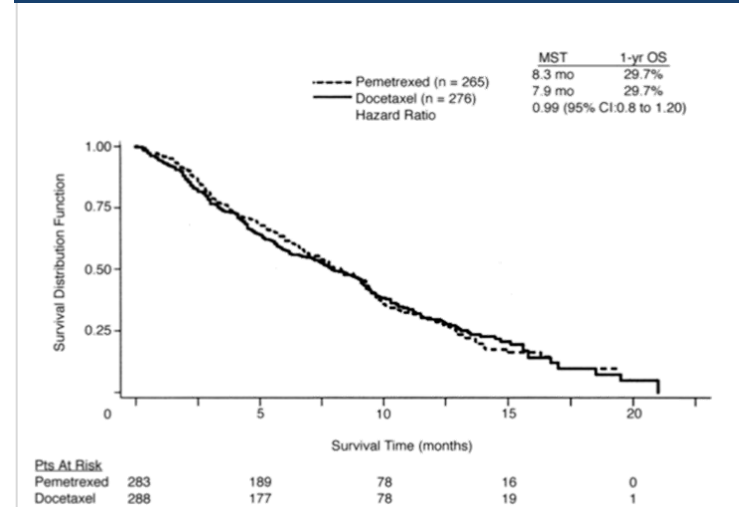


Figure 2: Kaplan-Meier estimates of overall survival in the intention-to-treat population  
HR=hazard ratio.

## Pemetrexed and PD-1/PD-L1 Moved To First Line



Treatment	Ramucirumab + Docetaxel vs. Docetaxel <sup>1</sup>	Pemetrexed vs Docetaxel <sup>2</sup>	Nivolumab (PD-1 Ab) vs. Docetaxel <sup>3</sup>
Pros	Limited efficacy; HR for mOS: 0.86 (1.4 M mOS benefit vs. Docetaxel)	Low CIN risk	Improved efficacy; HR for OS: 0.73 (2.8 M mOS benefit vs. Docetaxel)
Cons	High CIN risk (49% severe neutropenia)	Low Efficacy, HR for mOS: 0.99 (no survival benefit vs. Docetaxel)	Moved to 1st line, current clinical data does not support its use in PD-1 failed/progressed patients

<sup>1</sup> Lancet 384 (9944): 665-673 (2014). <sup>2</sup> JCO 22(9): 1589-1597 (2004). <sup>3</sup> NEJM 373: 1627-1639 (2015).

# DUBLIN-3 (Study 103) Trial Design

## Docetaxel + Plinabulin vs. Docetaxel + Placebo in Patients with EGFR Wild-Type NSCLC

### Study Plan:

- Global, randomized, single-blinded (patients only)
- Stratified by region (Asia/non-Asia), prior line(2L or 3L), ECOG (0-1/2), Prior PD-1/PD-L1 (yes/no)
- 58 sites across U.S., China and Australia
- CRO: ICON; LabCorp central lab for PK & ANC

### End Points:

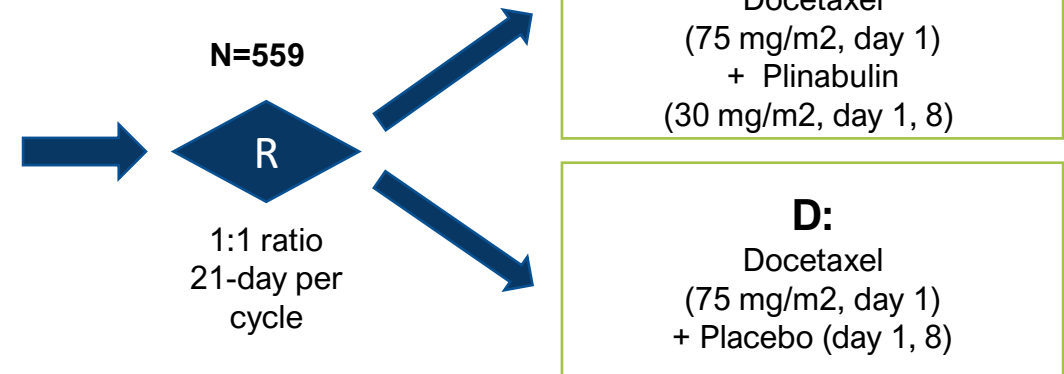
Primary Endpoint: OS

Secondary Endpoints:

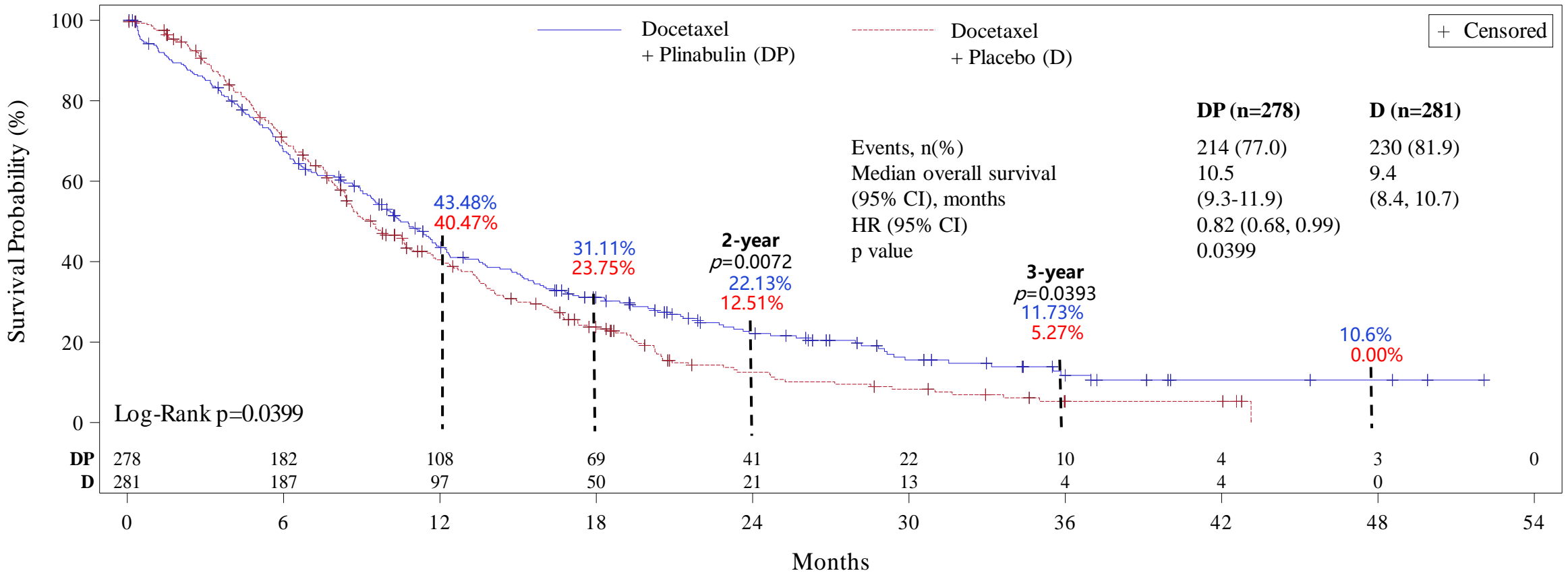
- ORR, PFS
- Percent of patients without severe neutropenia on Day 8 of cycle 1
- Month 24 and 36 OS rate
- DoR
- Q-TWiST (QoL)
- Proportion of patients who received docetaxel >8 cycles, >10 cycles and >12 cycles

### Inclusion Criteria:

- Non-squamous or squamous NSCLC
- Stage IIIb/IV
- ECOG  $\leq 2$
- Progression during or after treatment with one or two treatment regimens containing a platinum
- Must have at least one measurable lung lesion
- Prior checkpoint inhibitor therapy allowed



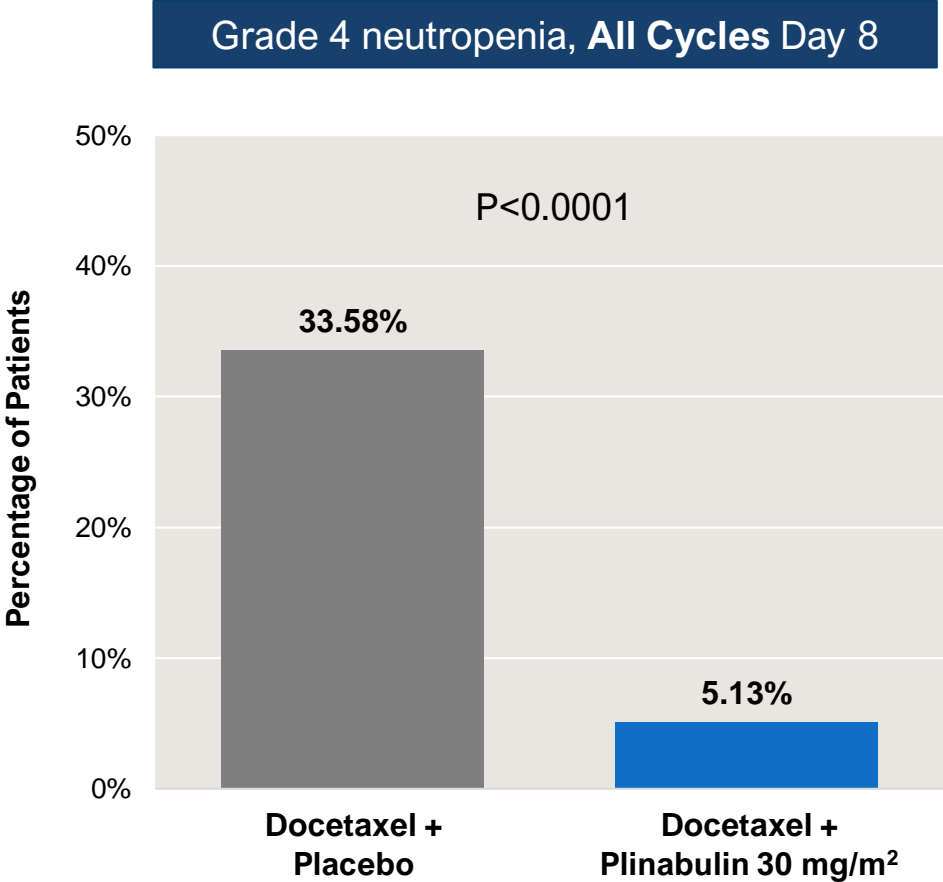
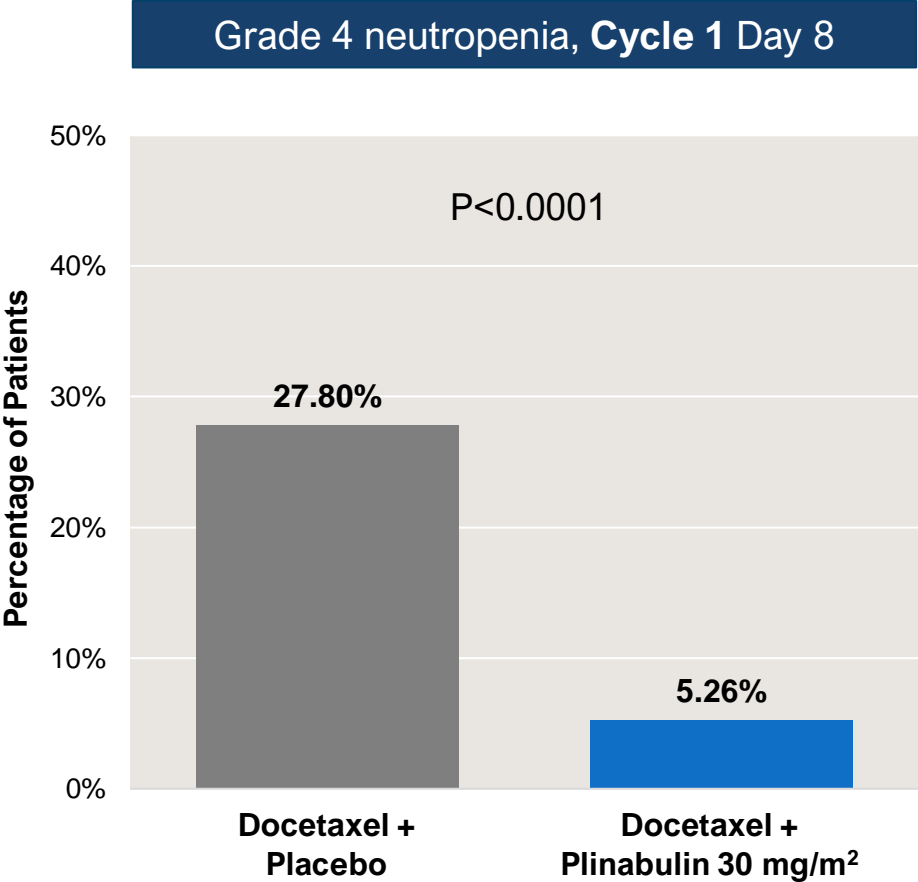
# Met Primary Endpoint of OS; Significantly Improve 2-, 3-year OS Rate



Treatment	Subjects	Event	Censored	Median (95% CI)	HR (95% CI)
Docetaxel + plinabulin	278	214 (77.0%)	64 (23.0%)	10.49 (9.34, 11.87)	0.822(0.681, 0.991)
Docetaxel + placebo	281	230 (81.9%)	51 (18.1%)	9.40 (8.38, 10.68)	

# Significant Reduction in Grade 4 Neutropenia

Cycle 1 Day 8 and All Cycles Day 8

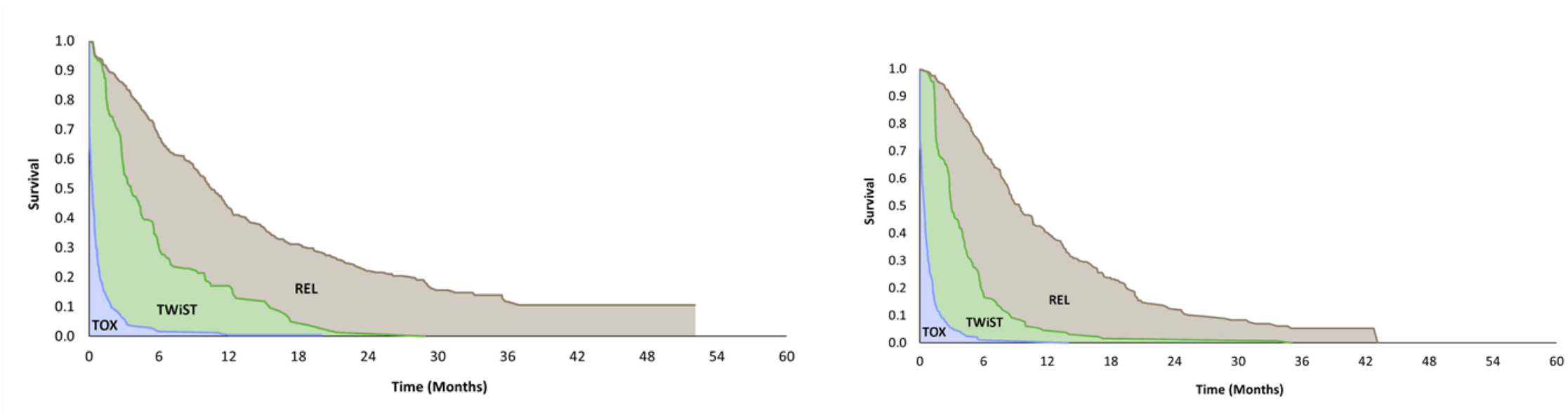


# Significant Improvement in Quality of Life Benefit

- Q-TWiST (Quality-Adjusted Time Without Symptoms of Disease and Toxicity)

Plinabulin + Docetaxel

Twist alone



Q-TWiST Gain	Relative Gain to OS Restricted Mean	Relative Gain to Q-TWiST
1.93	15.11%	18.43%
	(1.72% to 30.63%)	(2.07% to 37.20%)
	p-value=0.0396	p-value=0.0393



Clinically Meaningful Improvement of >18% in Q-TWiST.

# Potential Benefit of Plinabulin + Docetaxel in 2L/3L NSCLC, No Driver Mutation

With PD-1/PD-L1 moving to 1<sup>st</sup> line NSCLC, plinabulin + docetaxel could be the potential choice.

Benefits compared to SOC Docetaxel:

## **Efficacy:**

- Significant survival benefit in ITT (OS HR=0.82), with more pronounced survival benefit in non-squamous NSCLC (OS HR=0.76);
- Significant neutropenia reduction;
- Significant QoL benefit.

## **Safety:**

- The regimen is well tolerated. Side effects include transient hypertension which resolves in 4-6 hours, nausea, vomiting and GI side effects.





**BeyondSpring**

# Immuno-Oncology Combinations



# Mechanism with Broad Applications

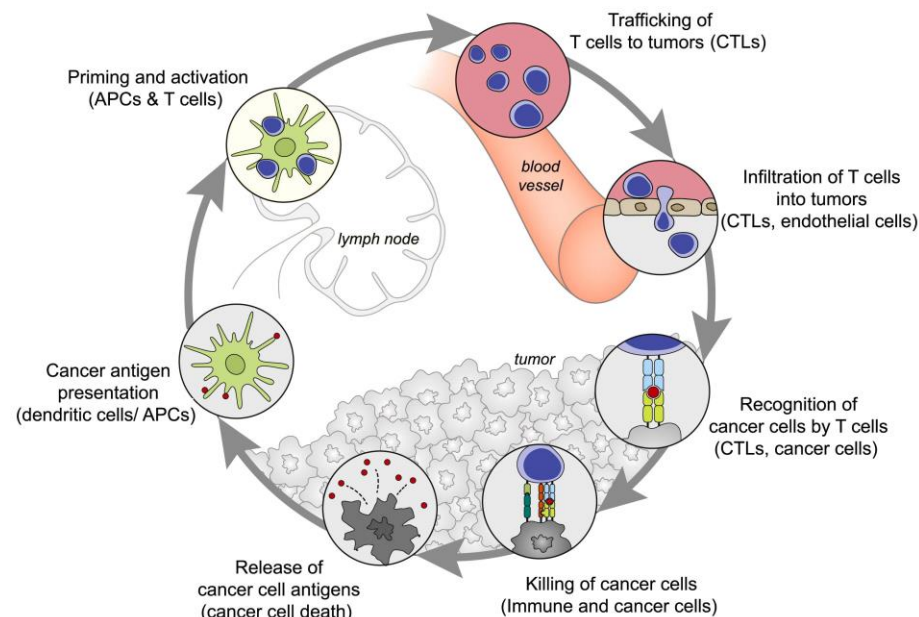
Plinabulin Induces Dendritic Cell Maturation (the most potent APC), a Key Step in Initiating Anti-Cancer Durable Response

## 2 Plinabulin

### Hit the Gas

Stimulates maturation of dendritic cells to increase antigen presentation

Dendritic cells are the most important antigen-presenting cells



## 3 Checkpoint Inhibitors

### Release The Brakes

Optimize T cell response





## 1 Radiation/Chemotherapy

### Release Tumor antigens

For more potent anti-cancer effect

1 + 2 + 3 = Optimal Immuno-Oncology Response

# Clinical POC in Triple Plinabulin IO Combination Regimen

Indication / Target	Program	Preclinical	Phase 1	Phase 2	Phase 3	Collaborator
7 cancers (PD-1/PD-L1 progressed)	Plinabulin + PD-1/PD-L1 + Radiation					THE UNIVERSITY OF TEXAS <b>MD Anderson</b> <del>Cancer Center</del>
NSCLC (2L/3L, PD-1/PD-L1 progressed)	Plinabulin + PD-1 + Docetaxel					 

MD Anderson Phase 1 study clinical data and biomarker studies had been submitted for presentation at SITC conference in November 2023.

# Plinabulin as Potential Add-on Therapy to Current I/O Regimens to Address Severe Unmet Medical Needs

PD-1/PD-L1 Inhibitors  
- \$30B global annual sales

Potential to greatly expand the  
addressable market

## Current Severe Unmet Medical Needs

**2/3<sup>rd</sup> Line:** PD-1/PD-L1 resistant patients

**1<sup>st</sup> Line:** PD-1/PD-L1 + chemo double efficacy of PD-1, but with CIN risk

**“Cold” Tumor:** PD-1/PD-L1 non-responsive tumor

**Plinabulin:**  
APC Inducer  
with easy  
administration

## Plinabulin Clinical Development

**Re-sensitize:** Plinabulin + PD-1/PD-L1 + chemo/radiation

**Increase chemo dose and IO combo efficacy:** Plinabulin + PD-1/PD-L1 + chemo

**Turn “cold” into “hot” responding tumor:**  
Plinabulin + PD-1/PD-L1 + chemo/radiation



## Regulatory Pathway



# Regulatory Pathway

## Near-Term



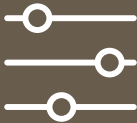


CIN: Ongoing discussion with NMPA in China and FDA in the US;

NSCLC: Ongoing preparation to file for NDA approval in China and the US.

## Long-Term

Seek regulatory clarity and additional approvals in countries around the world.

# Investment Highlights

	<b>Plinabulin: Safety &amp; Efficacy</b>	Lead Asset Plinabulin: >700 cancer patients treated with good tolerability; Positive Phase 3 data in 2 indications
	<b>Plinabulin Potential</b>	Plinabulin: Dual Benefit in anti-cancer and prevention of CIN; Potential in re-sensitizing in PD-1/PD-L1 progressed patients in multiple cancers
	<b>SEED: Novel TPD Platform &amp; Pipeline</b>	SEED: 7 Disclosed Pipeline Assets with 1 expected to enter IND in 2024
	<b>Premier Partnerships</b>	SEED: Investment and R&D Collaboration from Eli Lilly
	<b>Intellectual Property</b>	Strong IP and technology protection

thank you!

[www.beyondspringpharma.com](http://www.beyondspringpharma.com)