



**Prelude**  
THERAPEUTICS

# **Clinical Development Plan & Future Directions**

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# Forward Looking Statements

This presentation contains “forward-looking” statements within the meaning of the “safe harbor” provisions of the Private Securities Litigation Reform Act of 1995, including, but not limited to, anticipated discovery, preclinical and clinical development activities for Prelude’s product candidates, the potential safety, efficacy, benefits and addressable market for Prelude’s product candidates, the expected timeline for proof-of-concept data and clinical trial results for Prelude’s product candidates including its SMARCA2 degrader molecules.

Any statements contained herein or provided orally that are not statements of historical fact may be deemed to be forward-looking statements. In some cases, you can identify forward-looking statements by such terminology as “believe,” “may,” “will,” “potentially,” “estimate,” “continue,” “anticipate,” “intend,” “could,” “would,” “project,” “plan,” “expect” and similar expressions that convey uncertainty of future events or outcomes, although not all forward-looking statements contain these words. Statements, including forward-looking statements, speak only to the date they are provided (unless an earlier date is indicated).





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These forward-looking statements are based on the beliefs of our management as well as assumptions made by and information currently available to us. Although we believe the expectations reflected in such forward-looking statements are reasonable, we can give no assurance that such expectations will prove to be correct. If such assumptions do not fully materialize or prove incorrect, the events or circumstances referred to in the forward-looking statements may not occur. We undertake no obligation to update publicly any forward-looking statements for any reason after the date of this presentation to conform these statements to actual results or to changes in our expectations, except as required by law. Accordingly, readers are cautioned not to place undue reliance on these forward-looking statements. Additional risks and uncertainties that could affect our business are included under the caption “Risk Factors” in our filings with the Securities and Exchange Commission, including our Annual Report on Form 10-K for the year ended December 31, 2023.

# Learning Objectives

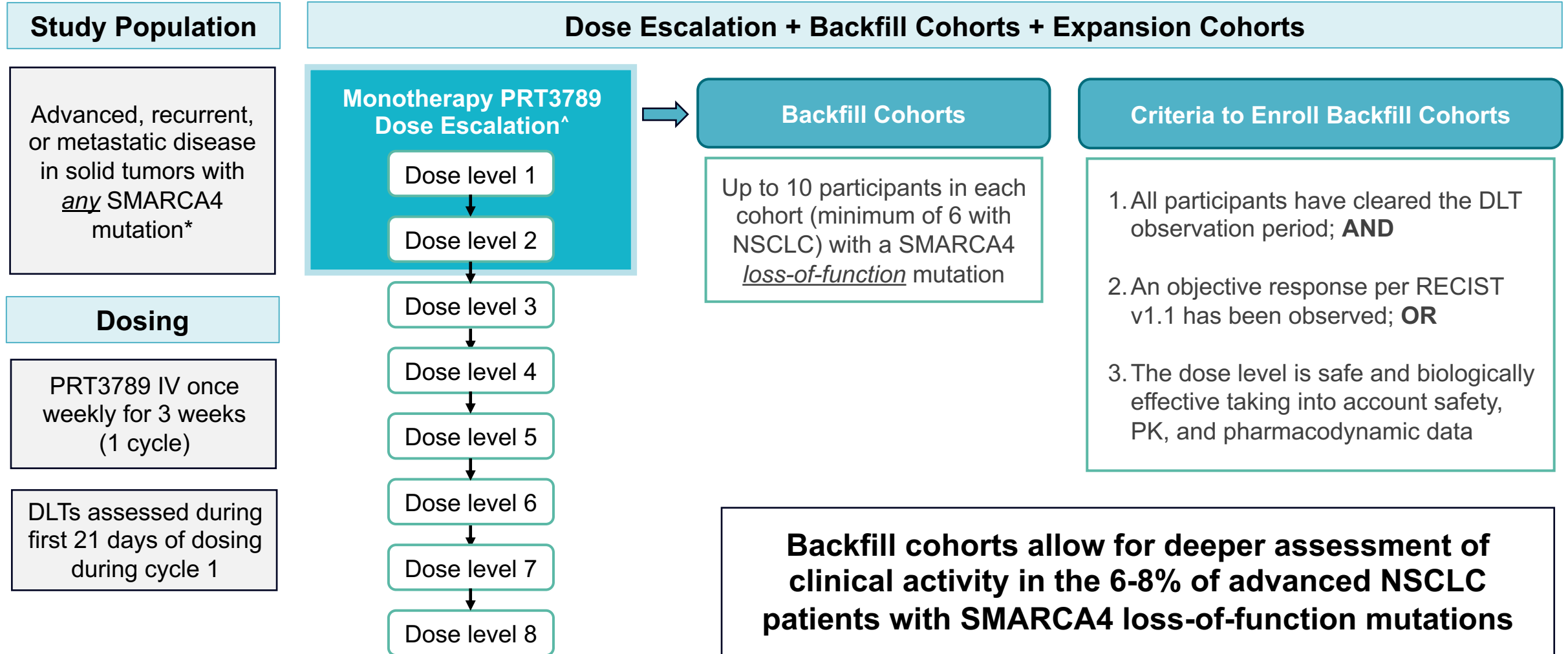
- What is the current clinical development status of our SMARCA portfolio?
- What is the design of the PRT3789 Phase I trial and what have we learned to date?
- How are we thinking about the potential for monotherapy and combination approaches?
- What should we expect to see when interim Phase I data is released later this year?
- What could the future hold for the development of SMARCA2 degrader therapies over time?

# Our first-in-class IV and oral SMARCA2 degrader programs are advancing

PROGRAM	POTENTIAL INDICATIONS	DISCOVERY	PHASE 1	PHASE 2/3	UPCOMING MILESTONES
<b>Lead SMARCA2 Degradar</b> <i>PRT3789</i>	Patients with SMARCA4- <i>mutated</i> advanced NSCLC and other cancers				<b>First Interim Phase I Data in 2H 2024</b>
<b>Oral SMARCA2 Degradar</b> <i>PRT7732</i>	Patients with SMARCA4- <i>mutated</i> NSCLC and other cancers				<b>File IND in 1H 2024; Phase I Start in 2H 2024</b>

+ Full pipeline includes programs against other cancer targets in active clinical or preclinical development

# What is the design of the PRT3789 Phase 1 trial?

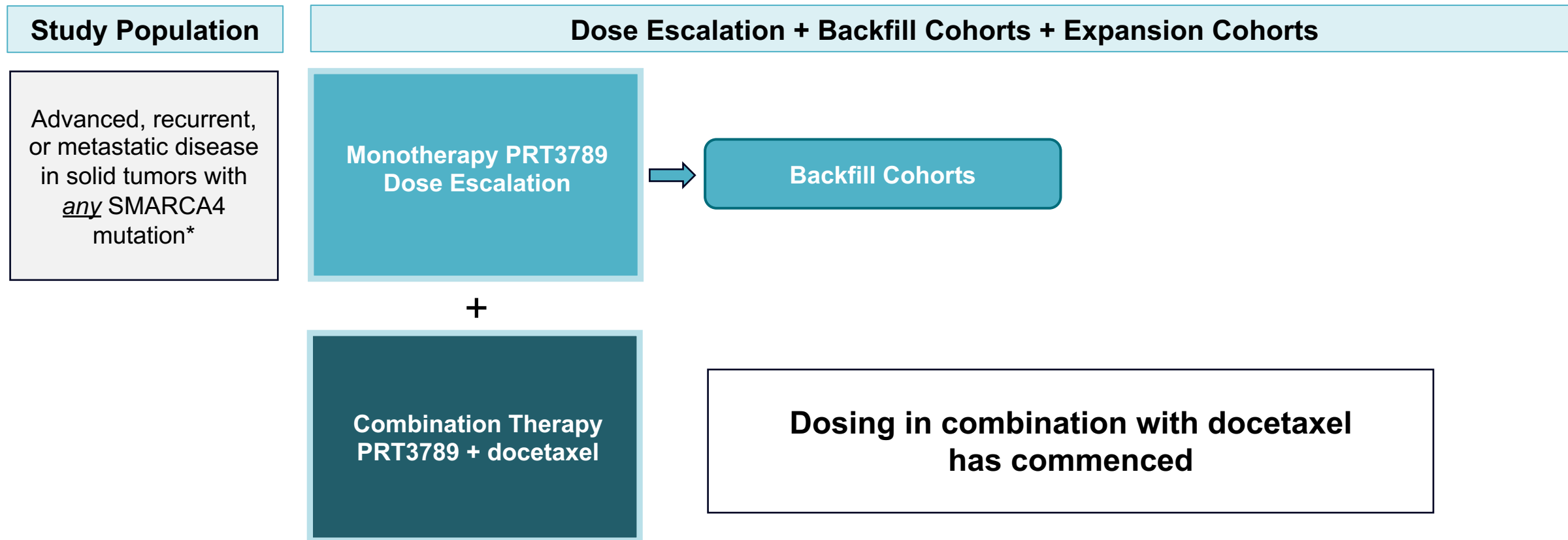


<sup>^</sup> Dose Finding: Bayesian Optimal Interval (BOIN) Design Method

\* any mutation (Class I or Class II), including participants with SMARCA4 *loss-of-function* mutation due to truncating mutation and/or deletion

ClinicalTrials.gov Identifier: NCT05639751; ESMO 2023 Poster: [https://preludetx.com/wp-content/uploads/2023/10/Dagogo-Jack\\_ESMO-2023\\_PRT3789-01-TiP-Poster\\_Final\\_9Oct2023.pdf](https://preludetx.com/wp-content/uploads/2023/10/Dagogo-Jack_ESMO-2023_PRT3789-01-TiP-Poster_Final_9Oct2023.pdf)

# Study expanded to evaluate potential for PRT3789 + docetaxel in combination



\*any mutation (Class I or Class II), including participants with SMARCA4 *loss-of-function mutation* due to truncating mutation and/or deletion.  
ClinicalTrials.gov Identifier: NCT05639751; ESMO 2023 Poster: [https://preludetx.com/wp-content/uploads/2023/10/Dagogo-Jack\\_ESMO-2023\\_PRT3789-01-TiP-Poster\\_Final\\_9Oct2023.pdf](https://preludetx.com/wp-content/uploads/2023/10/Dagogo-Jack_ESMO-2023_PRT3789-01-TiP-Poster_Final_9Oct2023.pdf)

# What do we hope to learn from the Phase I study?



To evaluate the safety, tolerability, and dose limiting toxicities of PRT3789 and to determine the biologically active dose



To evaluate the antitumor activity of PRT3789



To evaluate the pharmacokinetic profile of PRT3789



To evaluate the pharmacodynamic effect of PRT3789

# What should we expect to see when data is released later this year?

## Initial Data Readout: 2H 2024

1. Initial safety and tolerability data for monotherapy dose escalation cohorts
2. Initial assessment of clinical activity across different tumor types at the various dosing levels under evaluation
3. Early look at pharmacokinetic profile and pharmacodynamic effects

## Full Trial Results and Next Steps: 2025+

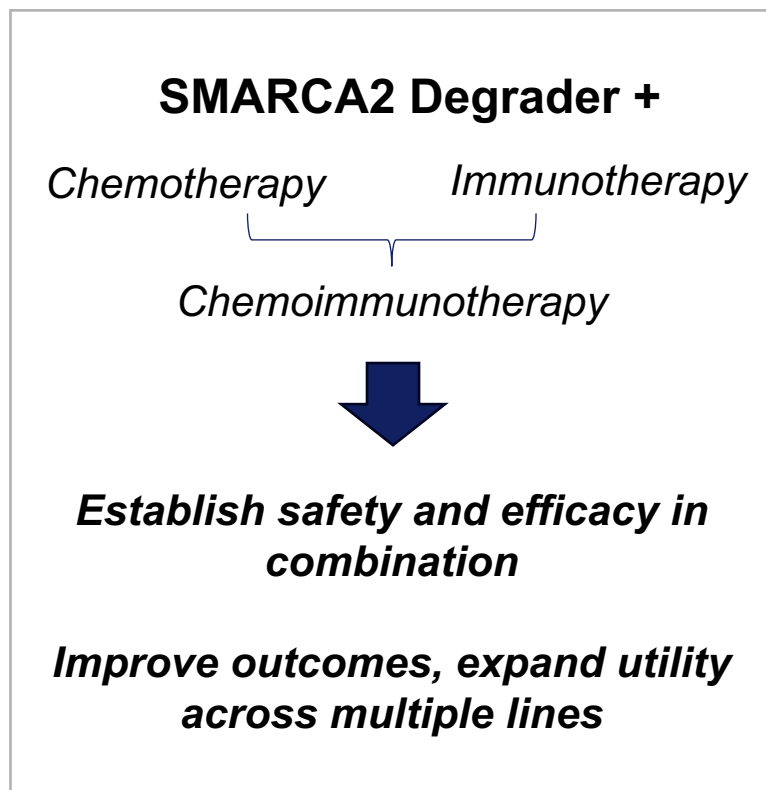
1. Full safety and tolerability data for monotherapy dose escalation, backfill, and chemotherapy combination cohorts
2. Detailed assessment of clinical activity for all trial participants
3. Detailed PK profile and PD effects including recommended Phase 2 dose
4. Engagement with regulators on potential registrational trial pathways



# Future Directions: Expanding the patient impact of selective SMARCA2 degraders

1

Assess Combinations with Chemo, I/O or Other Targeted Therapies



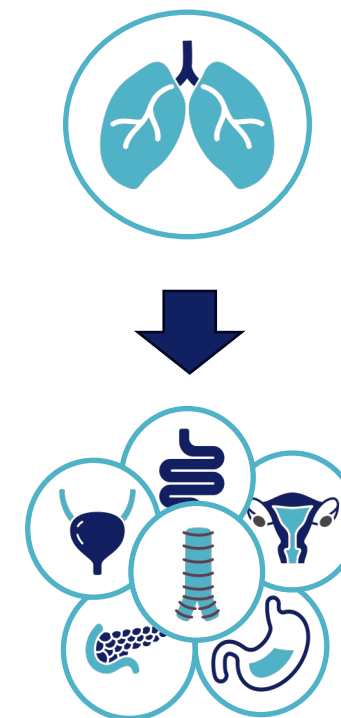
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Generate Evidence in Earlier Stages of NSCLC (Adj. / Neo-Adj.)

Stage at Initial Diagnosis	Incidence (% of Pts) <sup>1,2</sup>	Treatment Modalities
Stage I / Stage IIA	~20-30%	Radiation and/or Resection → Adjuvant Tx
Stage IIB / Stage IIIA	~20-30%	Neo Adj. Tx → Resection → Adjuvant Tx
Stage IIIB/ Stage IV	~40-50%	Systemic Treatment

3

Generate Evidence Across Additional Tumor Types



1. SEER 2022; 2. American Cancer Society – Cancer Facts & Figures

# Prelude's first-in-class SMARCA2 degraders are advancing

- Prelude's lead SMARCA2 degrader PRT3789 is advancing well in the clinic with no dose limiting toxicities observed to date
- Initial Phase I data in 2H 2024 will be the industry's first look at safety and clinical activity for the SMARCA2 targeted approach
- PRT3789 represents our fastest path to address the high unmet need in advanced NSCLC
- PRT7732, our first-in-class oral degrader, will advance to Phase I start in 2H 2024 pending IND approval

Key  
Takeaways