

## **Transforming the Treatment** of Inflammation and Cancer

January 2023 Corporate Presentation

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## **Oral Drugs Targeting Critical Immune Drivers of Disease**



- Proprietary discovery engine
- > Diversified pipeline
- > Large market opportunities
- Clinically de-risked assets
- Strategic collaborations

#### **RPT193** (Inflammation):

- Oral agent targeting inflammatory Th2 cells
- Phase 1b in AD: efficacy on all key exploratory endpoints with excellent safety and tolerability
- Phase 2b in AD ongoing, data expected Q4 2023
- Plan to initiate Phase 2a in Asthma Q1 2023

FLX475 (Oncology): SMERCK Hanni

- Selectively targets immunosuppressive tumor T<sub>reg</sub>
- PoC in Phase 2 with mono and combo activity
- Phase 2 data update expected 2H 2023

#### HPK1 (Oncology)

ISCOV

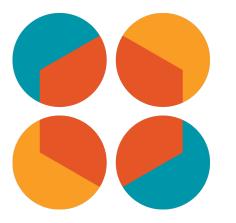
Other inflammation and oncology targets



## **Proprietary Drug Discovery and Development Engine**

Rapid	<ul><li>Drug discovery</li><li>Clinical development</li></ul>	Ē
Analytics	<ul> <li>Interrogating clinically-relevant big datasets to identify targets and biomarkers</li> </ul>	
Patient selection	<ul> <li>Driven by data to improve chances of clinical success</li> </ul>	
Targeting	<ul> <li>Critical immune drivers of cancer and inflammation</li> </ul>	





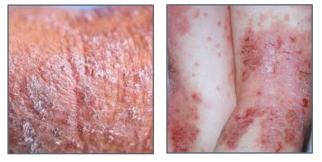
# **RPT193: CCR4 Antagonist** for Inflammatory Diseases

## **RPT193: Oral Th2 Inhibitor for Inflammatory Diseases**

- Highly potent and selective once-daily oral CCR4 antagonist designed to safely reduce Th2-inflammation in a broad range of allergic disorders
- Clear benefit on signs and symptoms in Phase 1b in moderate-to-severe atopic dermatitis
- Favorable safety and tolerability: no laboratory safety monitoring or black box warning expected
- Potential positioning as drug of first choice after inadequate response to TCS and prior to injectables
- US patent coverage through at least 2039
- Phase 2b AD data expected Q4 2023 and pivotal studies anticipated to start in 2024
- Plan to initiate Phase 2a asthma trial Q1 2023

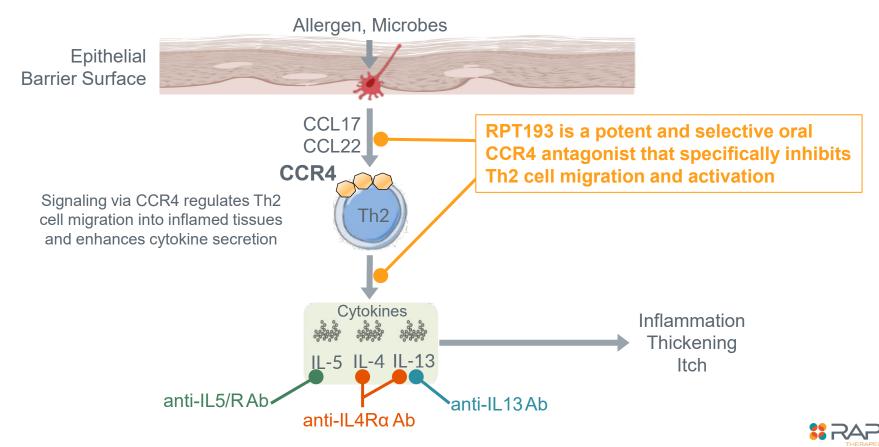
AD Lesional Skin



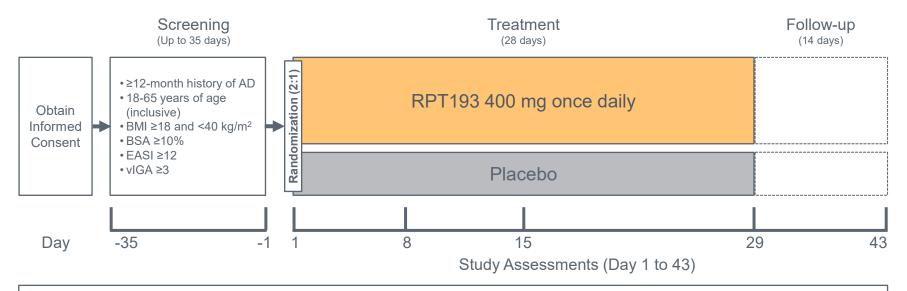




#### **RPT193 Targets Th2 Cells: Key Drivers of Inflammation in Atopic Dermatitis, Asthma and Other Diseases**



## Phase 1b Trial Explored RPT193 Activity in Patients with Moderate-to-Severe Atopic Dermatitis



- Enrolled 31 patients into a double-blind, randomized trial with 2:1 allocation of RPT193 to placebo
- Monotherapy study: steroid and immunosuppressant washout period; rescue steroids not permitted through Day 43
- Not powered for any specific endpoint
- Exploratory endpoints include: EASI, Pruritus Numerical Rating Scale (NRS), SCORAD and vIGA
- Data presented are from the Intent to Treat dataset



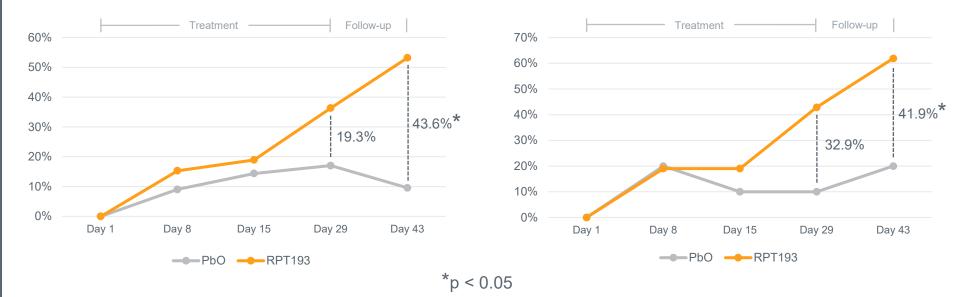
#### Phase 1b Baseline Demographics and Disease Characteristics

	Placebo	RPT193
Ν	10	21
Age, Mean (Range)	35.8 (22-64)	41.0 (19-63)
Female, n (%)	4 (40.0%)	12 (57.1%)
Baseline Characteristics		
EASI, Mean (Range)	21.07 (13.6-45.5)	18.49 (12-30)
BSA, Mean (Range)	24.5 (10-61)	23.3 (11-55)
vIGA 3, n (%)	8 (80.0%)	18 (85.7%)
Peak NRS, Mean (Range)	7.3 (3-10)	6.9 (3-10)
Peak NRS ≥4, n (%)	9 (90.0%)	20 (95.2%)



#### **RPT193 Differentiated from Placebo for EASI and EASI-50 at Day 29 with Further Improvement at Day 43**

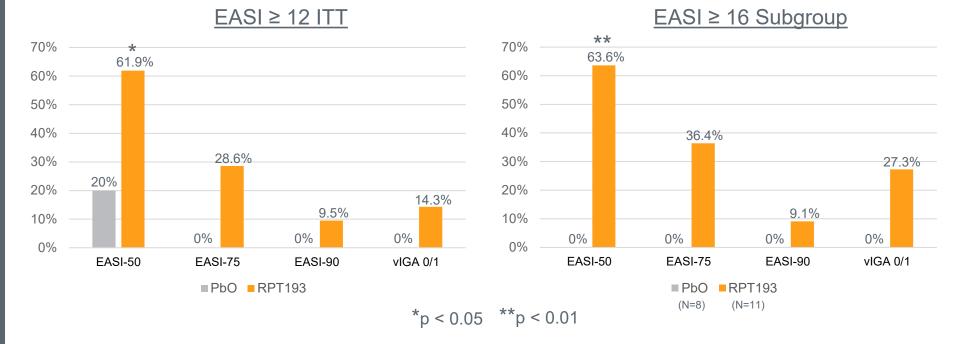
#### % Improvement in EASI



\$ RAPT

Proportion of EASI-50

# RPT193 Differentiated from Placebo on EASI-75, 90 and vIGA 0/1 at Day 43

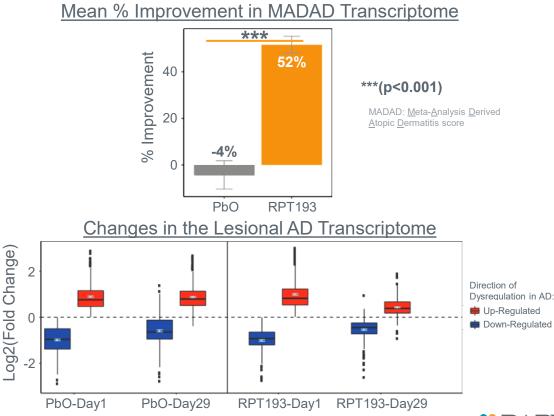


Similar efficacy between ITT and EASI ≥ 16 Subgroup



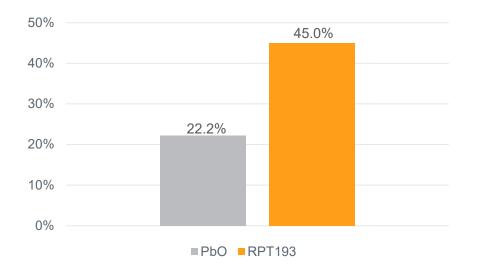
#### **RPT193 Demonstrated Significant Improvement in AD-Associated Gene Signatures in the Skin**

<b>RPT193</b>		PbO			
NL	Day1	Day29	NL	Day1	Day29



#### **RPT193 Demonstrated Improvement in Itch and Sleep**

#### Proportion of NRS-4<sup>†</sup>



#### % Change in Patient Oriented SCORAD

(Sleep Loss + Pruritus)

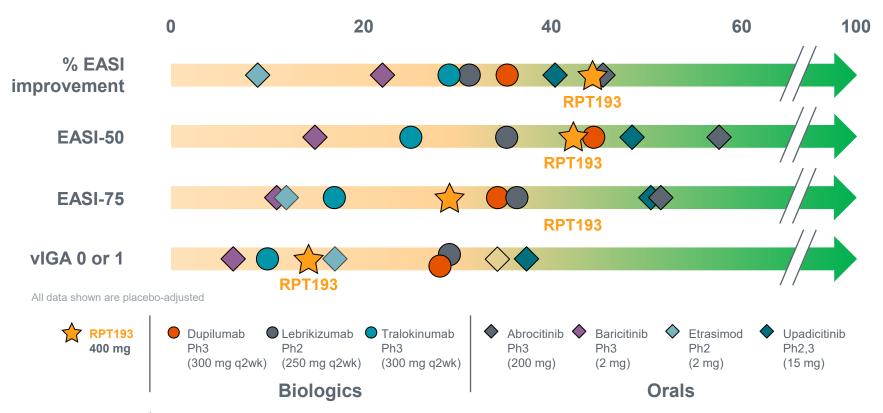


\*p < 0.05

<sup>†</sup>At least a 4-point improvement among patients with a baseline pruritus NRS ≥4



#### RPT193 6-Week Efficacy vs. Other Drugs at 12-16 Weeks\*



\* Comparisons are based on published data and relative properties of other agents and do not reflect a head-to-head comparative study or clinical trial

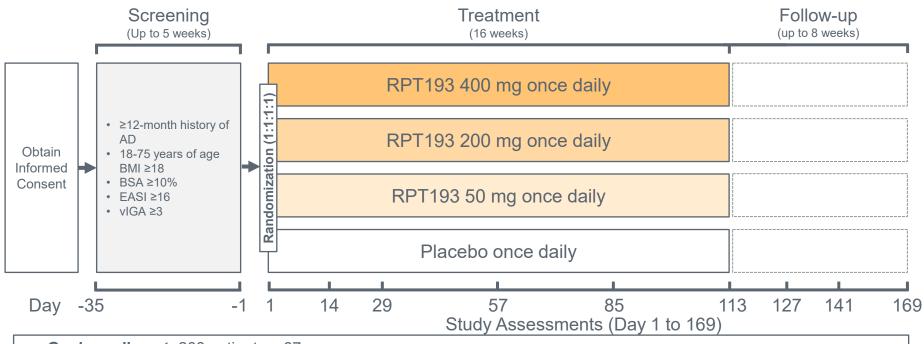


#### **RPT193 Phase 1b Safety**

- No SAEs reported
- All AEs reported were mild or moderate in intensity
- No clinically significant safety laboratory abnormalities observed
- Overall safety profile suggests a well-tolerated oral drug that should not require laboratory safety monitoring



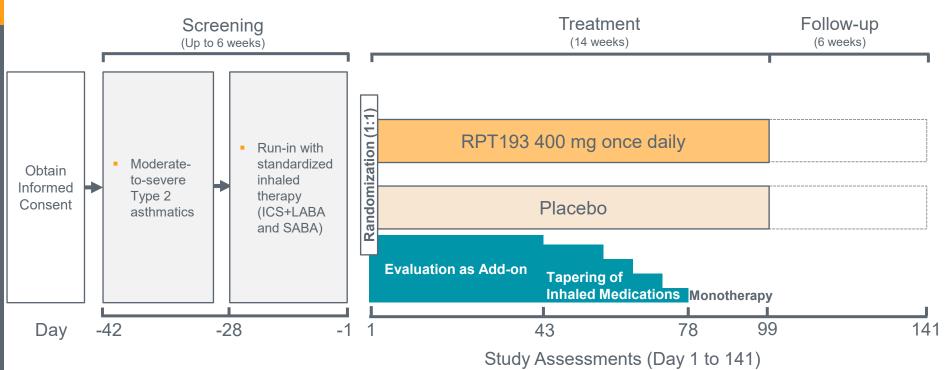
# Ongoing Dose-Finding Phase 2b Monotherapy Trial in Patients with Moderate-to-Severe Atopic Dermatitis



- Goal enrollment: 268 patients, ~67 per arm
- Monotherapy study: standard protocol to washout steroids/immunosuppressants and restrict rescue medications
- Primary endpoint: EASI
- Secondary endpoints: EASI-50/75/90, vIGA, Pruritus NRS



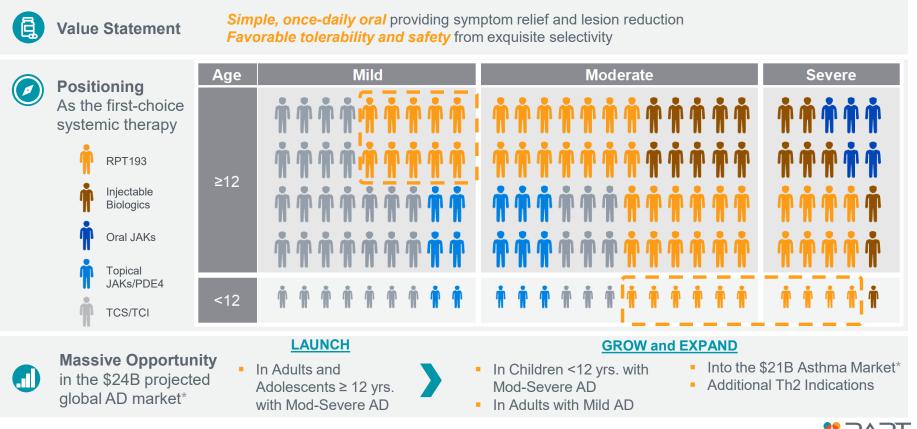
#### **Proposed Phase 2a Asthma Trial Design**



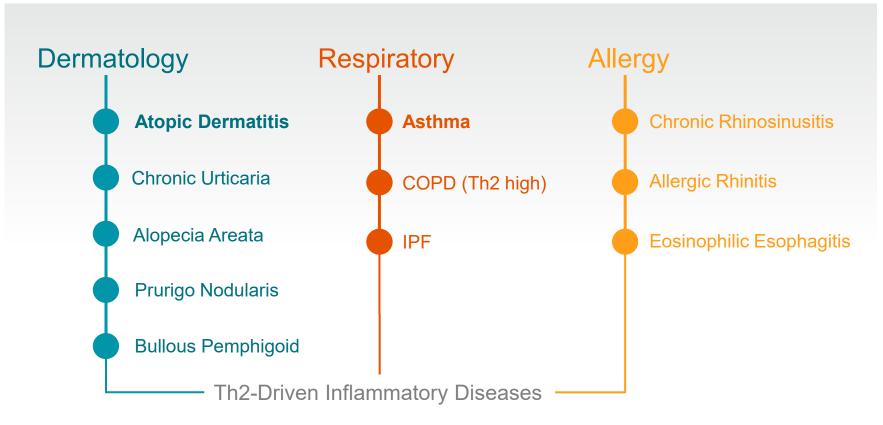
- Goal enrollment: ~100 patients, ~50 per arm
- Primary Endpoint: "Loss of Asthma Control"
- Secondary Endpoint: ACQ-5, FEV1, etc.



## **RPT193 Commercial Vision: Building a Global Blockbuster**



#### **Potential "Pipeline in a Product"**

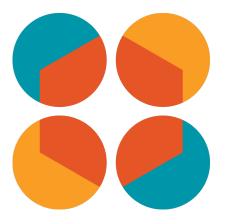




#### **RPT193 Program Summary**

- Oral selective Th2 inhibitor with clear benefit on signs and symptoms in AD
- Well tolerated with favorable safety
- Profile supports competitive positioning ahead of injectables and oral JAKs
- Massive commercial opportunity in AD, asthma and other Th2 indications
- 16-week Phase 2b study in AD ongoing, topline data expected Q4 2023
  - Biologic-like efficacy not required for commercial success
- Plan to initiate Phase 2a study in asthma Q1 2023

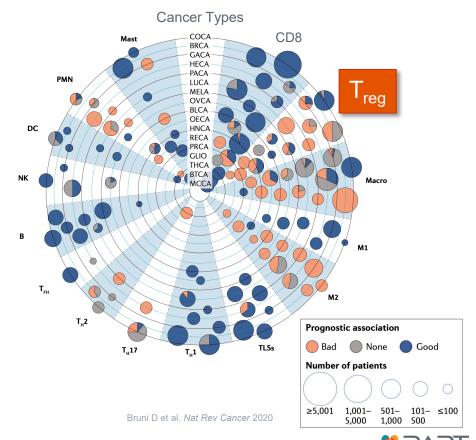




# FLX475: CCR4 Antagonist for Oncology

## T<sub>reg</sub> Are Key Targets in the Tumor Microenvironment (TME)

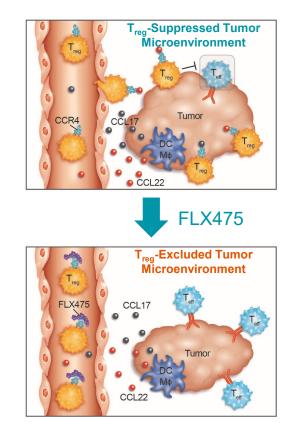
- Correlate with poor prognosis across most cancers
- Mechanism for immune evasion by viruses and tumors
- Barrier to checkpoint inhibitor efficacy
- Challenge: selective inhibition of T<sub>reg</sub> in the TME
  - Depleting antibodies targeting CD25, CCR4, etc. do not appear to have adequate selectivity





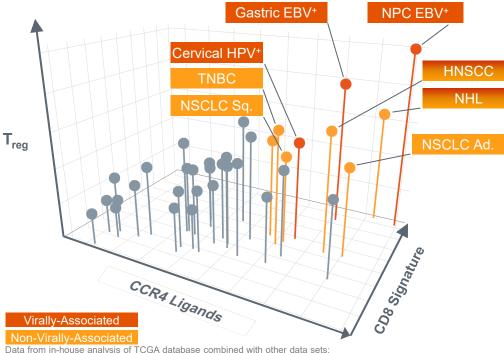
## FLX475: Tumor Specific T<sub>reg</sub> Inhibitor in Phase 2

- Chemically distinct potent and selective CCR4 small molecule antagonist
- Selectively blocks tumor T<sub>reg</sub> while sparing normal tissues and beneficial cells
- Potential for superior safety and efficacy compared to depleting antibodies
- US patent coverage through 2037
- Monotherapy and combination antitumor activity in charged cancers





#### **Identification and Characterization of Charged Tumors**

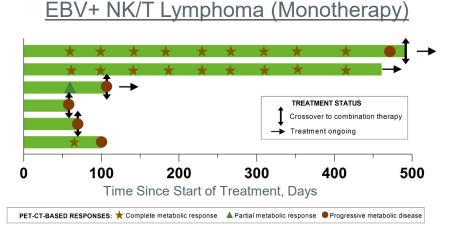


Data from in-house analysis of TCGA database combined with other data sets; Confirmed in > 400 tumor microarrays The graph above reflects a logarithmic scale on each axis NPC Nasopharyngeal; HNSCC Head & Neck Squamous Cell Carcinoma; NHL Non-Hodgkin Lymphoma; NSCLC Non-Small Cell Lung Cancer; TNBC Triple Negative Breast Cancer

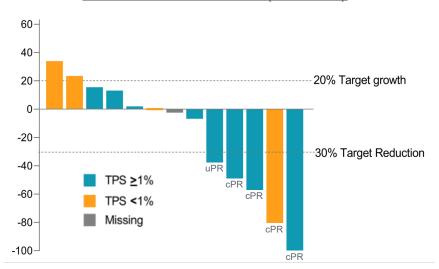
- "Charged" tumors: high CCR4 ligands, T<sub>reg</sub> and CD8 T cells
- Potential for both monotherapy and combination activity
- Include cancers with high unmet need and large markets
- Phase 2 trial expansions focused on charged cancers



## **Encouraging Monotherapy and Combination Efficacy**



 4 of 6 responses to FLX475 monotherapy including 2 confirmed durable CMR



#### ORR Comparison in PD-L1+\* NSCLC

- Design: Open-label Phase 2, Simon 2-Stage Design
- Indications: Charged tumors with ≥1 line of therapy
- Dose: FLX475 100 mg QD; pembro 200 mg Q3wk

Pembro Mono	Pembro+TIGIT	Pembro+FLX475		
18% <sup>†</sup>	31% (4/13)^	38% (3/8)		
*TPS ≥ 1% <sup>+†</sup> Keynote-010 <sup>+</sup> ^Niu et al. ESMO 2020				



#### CPI-Naïve NSCLC (Combo)

## **FLX475 Program Summary**

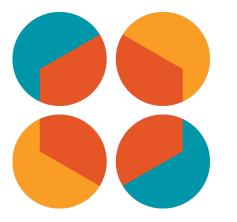
- Highly selective tumor T<sub>reg</sub> inhibitor differentiated from biologics
- Encouraging early efficacy as monotherapy and in combination with pembrolizumab
- Favorable safety and convenient oral dosing support broad combinability
- Enrolling Stage 2 expansions in 3 indications including CPI-naïve NSCLC
  - Partner Hanmi Pharmaceuticals is testing FLX475 + pembro in gastric cancer
- Data update expected in 2H 2023



## **Key Takeaways and Upcoming Milestones**

- RPT193: safe oral agent designed for a broad range of inflammatory diseases, in a definitive Phase 2b study in AD
- FLX475: highly selective tumor T<sub>reg</sub> inhibitor in multiple Phase 2 expansions as monotherapy and in combination with pembrolizumab
- Planned Key Milestones
  - Q1 2023: RPT193 Phase 2a asthma trial start
  - Q4 2023: RPT193 Phase 2b AD topline data
  - 2H 2023: FLX475 Phase 2 data update





# Thank You