



# First Quarter 2024 Financial Results

MAY 2, 2024

# Agenda

---



## INTRODUCTION

**Kate Haviland**

Chief Executive Officer



## AYVAKIT PERFORMANCE

**Philina Lee, PhD**

Chief Commercial Officer



## THE POWERFUL MAST CELL

**Fouad Namouni, MD**

President, Research &  
Development



## Q1 2024 FINANCIAL PERFORMANCE

**Mike Landsittel**

Chief Financial Officer

# Forward-looking statements

---

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, as amended, including, without limitation, statements regarding plans, strategies, timelines and expectations for the company's future business growth, including that the company expects continued growth in breadth of prescribing, and that there is an approximately \$26B market for potential additional indications in 2030; statements regarding the continued reduction of the company's operating expenses and cash burn; statements regarding plans and expectations for the company's current or future approved drugs and drug candidates; the potential benefits of any of the company's current or future approved drugs or drug candidates in treating patients; and the company's financial performance, strategy, goals and anticipated milestones, business plans and focus.

The words "aim," "may," "will," "could," "would," "should," "expect," "plan," "anticipate," "intend," "believe," "estimate," "predict," "project," "potential," "continue," "target" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Any forward-looking statements in this presentation are based on management's current expectations and beliefs and are subject to a number of risks, uncertainties and important factors that may cause actual events or results to differ materially from those expressed or implied by any forward-looking statements contained in this presentation, including, without limitation, risks and uncertainties related the company's ongoing and planned research and discovery activities, ability to conduct ongoing and planned clinical trials, clinical supply of current or future drug candidates, commercial supply of current or future approved products, and launching, marketing and selling current or future approved products; the company's ability and plans to continue to expand a commercial infrastructure, and successfully launch, market and sell current or future approved products; the company's ability to obtain marketing approval for AYVAKIT/AYVAKYT in additional geographies in the future; the rate and degree of market acceptance of AYVAKIT/AYVAKYT and any future drug candidates for which we receive marketing approval; the delay of any current or planned clinical trials or the development of the company's current or future drug candidates; the company's advancement of multiple early-stage efforts; the company's ability to successfully demonstrate the safety and efficacy of its drug candidates and gain approval of its drug candidates on a timely basis, if at all; the preclinical and clinical results for the company's drug candidates, which may not support further development of such drug candidates either as monotherapies or in combination with other agents or may impact the anticipated timing of data or regulatory submissions; the timing of the initiation of clinical trials and trial cohorts at clinical trial sites and patient enrollment rates; actions of regulatory agencies, which may affect the initiation, timing and progress of clinical trials; the company's ability to obtain, maintain and enforce patent and other intellectual property protection for AYVAKIT/AYVAKYT or any drug candidates it is developing; the company's ability to successfully expand its operations, research platform and portfolio of therapeutic candidates, and the timing and costs thereof; and the success of the company's current and future collaborations, financing arrangements, partnerships or licensing arrangements; and the accuracy of our estimates of revenues, expenses and capital requirements. These and other risks and uncertainties are described in greater detail in the section entitled "Risk Factors" in the company's filings with the Securities and Exchange Commission (SEC), including the company's most recent Annual Report on Form 10-K, as supplemented by its most recent Quarterly Report on Form 10-Q and any other filings that the company has made or may make with the SEC in the future. The forward-looking statements in this presentation are made only as of the date hereof, and except as required by law, the company undertakes no obligation to update any forward-looking statements contained in this presentation as a result of new information, future events or otherwise. Accordingly, readers are cautioned not to place undue reliance on these forward-looking statements.

This presentation also contains estimates, projections and other statistical data made by independent parties and by the company relating to market size and growth and other data about the company's industry. These data involve a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. In addition, projections, assumptions and estimates of the company's future performance and the future performance of the markets in which the company operates are necessarily subject to a high degree of uncertainty and risk.

Blueprint Medicines, AYVAKIT, AYVAKYT and associated logos are trademarks of Blueprint Medicines Corporation.

# Blueprint Medicines Q1 2024 highlights



## Driving AYVAKIT® (avapritinib) Revenue Inflection

Achieved **\$92.5M in AYVAKIT revenue**, in Q1, representing >135% YoY growth

Raising **AYVAKIT revenue guidance** to **\$390-\$410M** for 2024

Continued **strength across revenue drivers**, including patient demand



## Building a Synergistic R&D Portfolio

Leveraging **mast cell expertise** to expand R&D in allergy and inflammation

**On track to submit BLU-808 IND** in Q2

ASCO data to show **BLU-222 is the first investigational CDK2 inhibitor to demonstrate combination safety** with an approved CDK4/6 inhibitor



## Maintaining Financial Strength

Strong and **durable financial position** with \$735.6M in cash

Continued **opex reduction and decline in cash burn**

# AYVAKIT revenue has grown more than 135% year-over-year

## AYVAKIT Global Net Revenues (\$, Millions)



### US Launch

- Strong and steady patient demand
- Growth in commercial patients; free goods ~20% since ISM approval
- Advanced SM duration of therapy trending at ~25 months; early days of ISM trending longer
- Majority of patients on therapy today have ISM

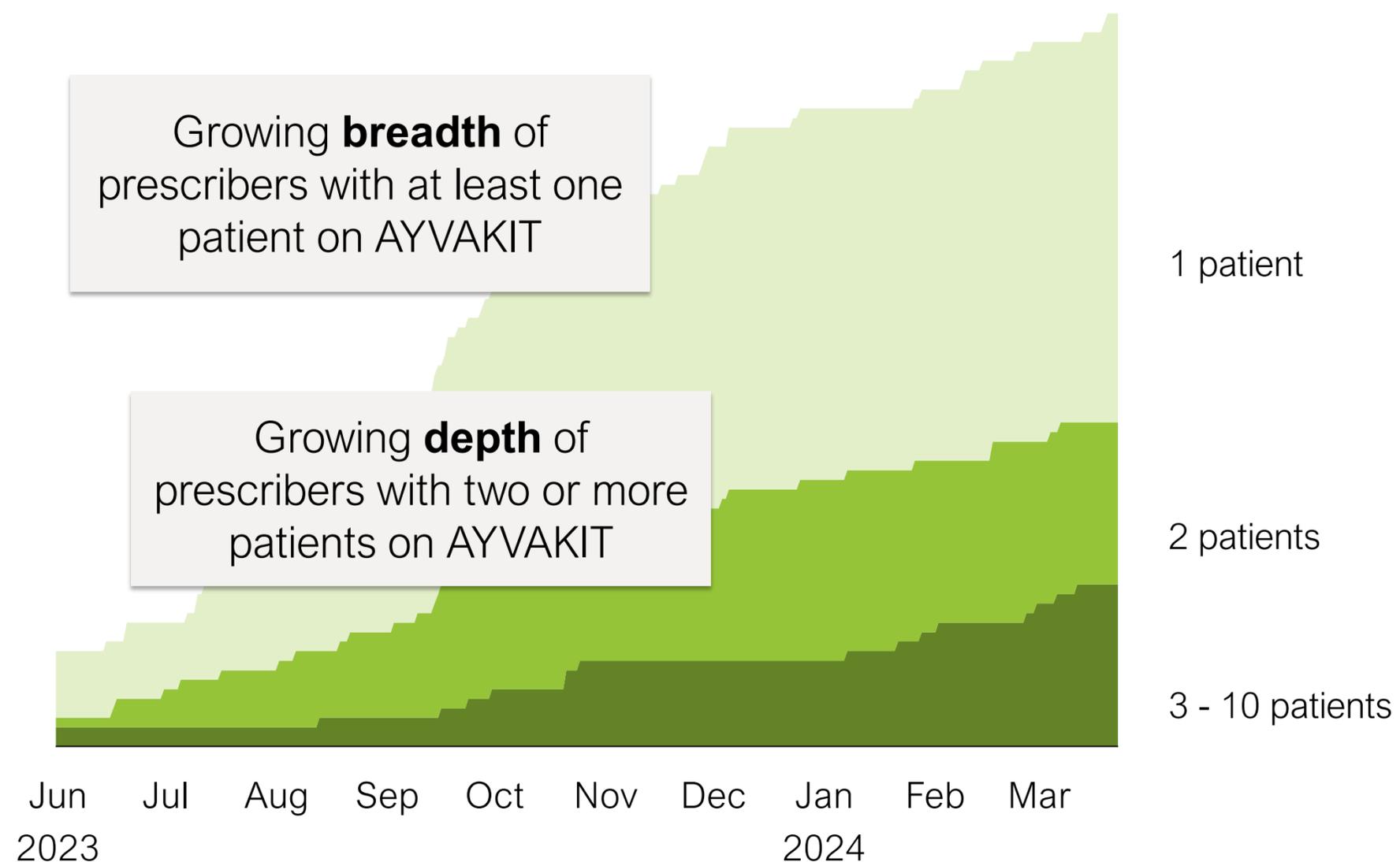
### EU Launch

- Strong start in Germany

ISM approval marks clear revenue inflection for AYVAKIT

# Driving breadth and depth with significant headroom for future growth

## GROWING BREADTH AND DEPTH AMONG TOP 400 TREATERS BY SM PATIENT VOLUME



- Continued **growth in overall breadth of prescribing**, including allergists
- **~50/50%** split in prescribing at **academic vs. community** accounts
- **45/55%** of volume driven by **new vs. existing prescribers**
- **~70%** of new SM starts at 25 mg dose

## Redefining what “well-controlled” means for people living with ISM



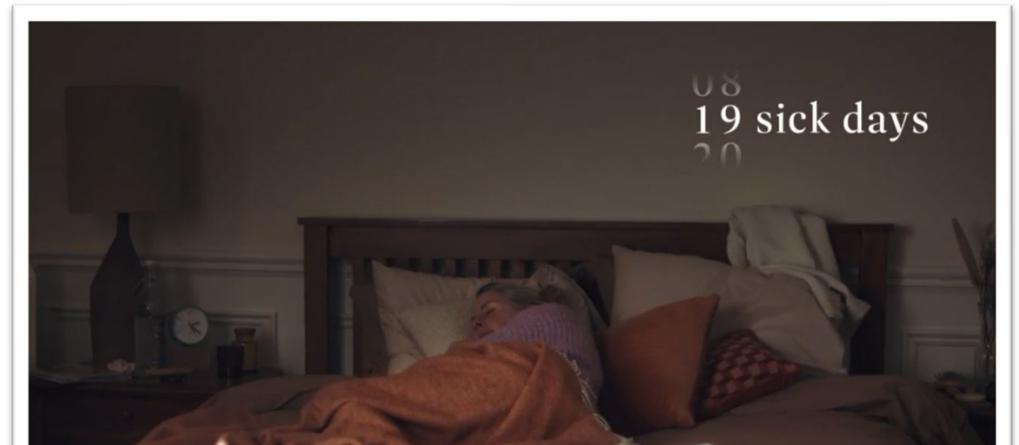
Minimize treatment burden

Achieve broad symptomatic responses

Regain control of their lives



Q2 launch of targeted, unbranded, direct-to-patient media campaign to further **raise awareness** on the *Toll of Living with ISM*

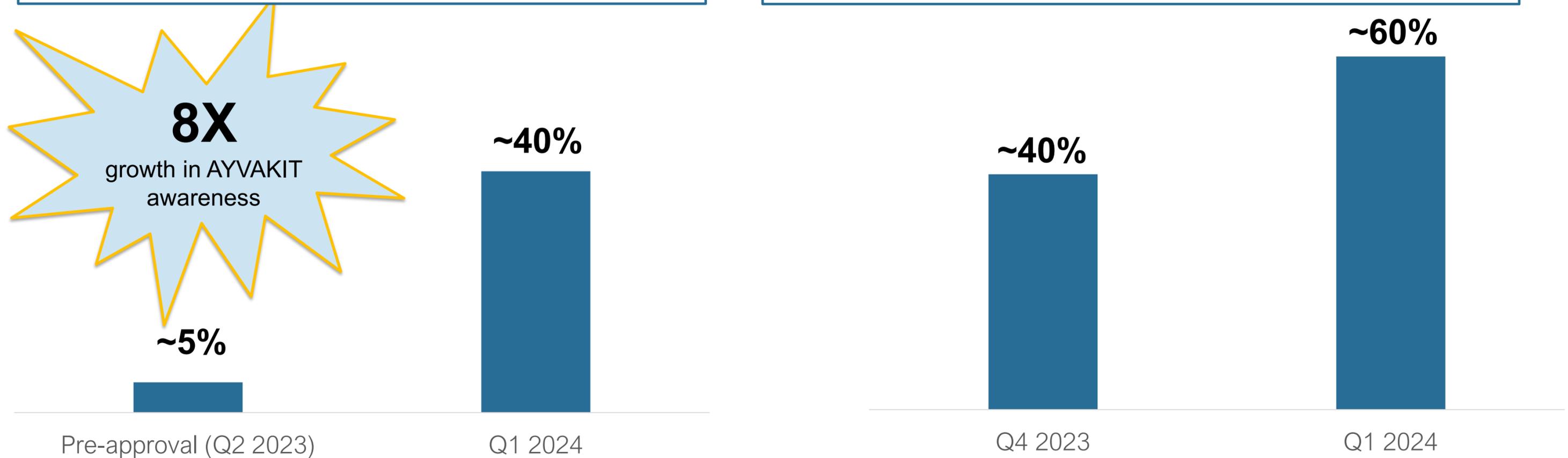


# Activating patients to seek treatment with AYVAKIT

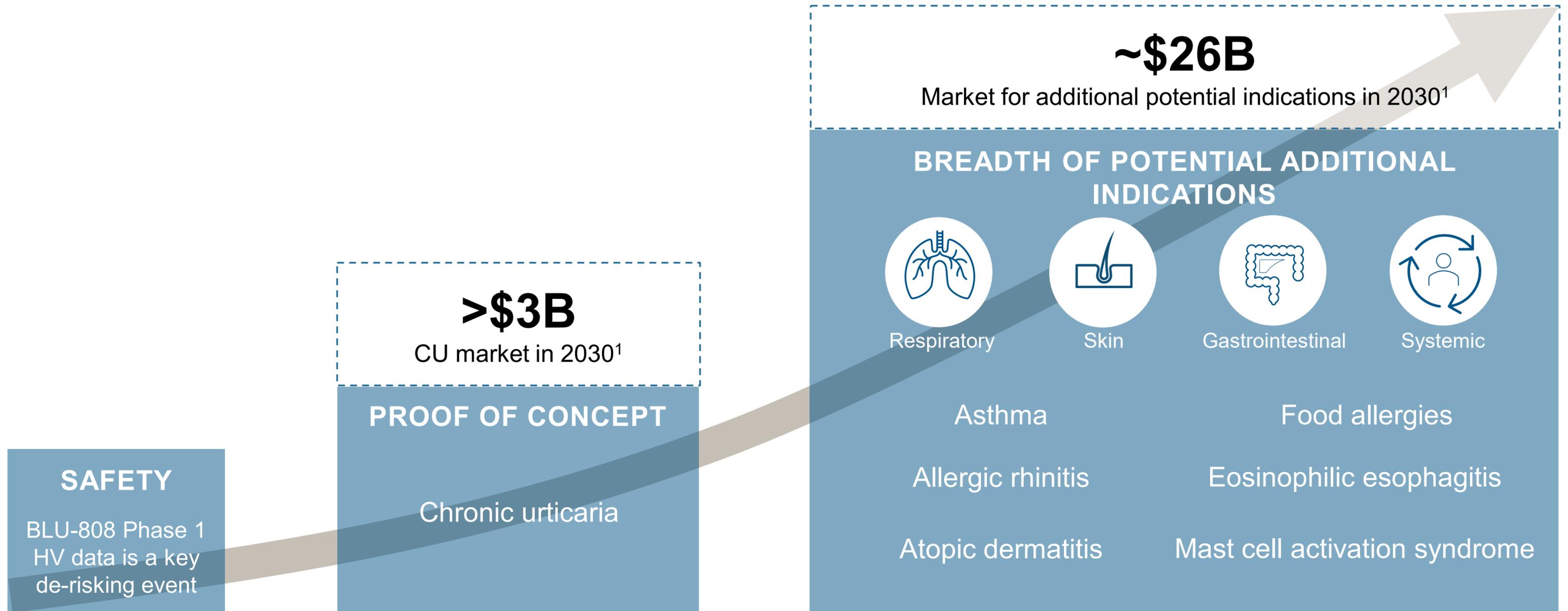


Unaided awareness of AYVAKIT (unprompted)

Patients' belief that they could benefit from AYVAKIT and that AYVAKIT may be an appropriate treatment option



# Mast cell diseases represent significant and growing market opportunity



## Strong financial position driven by growing product revenue and continued operating expense reduction

Statement of Operations (unaudited)	Three Months Ended 3/31/2024	Three Months Ended 3/31/2023
Total revenue	\$96.1M	\$63.3M
Net product sales	\$92.5M	\$39.1M
Collaboration revenue	\$3.6M	\$24.2M
Cost of sales	\$3.2M	\$3.2M
Collaboration loss sharing	\$0.0M	\$1.3M
Research & development expense <sup>1</sup>	\$88.2M	\$112.1M
Selling, general & admin expense <sup>2</sup>	\$83.6M	\$71.0M
Other income (expense), net <sup>3</sup>	\$168.1M	\$(4.8)M
Net income (loss) <sup>3</sup>	\$89.1M	\$(129.6)M
Balance Sheet (unaudited)	3/31/2024	12/31/2023
Cash, cash equivalents, and investments	\$735.6M	\$767.2M



Thank You