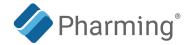


Pharming Group N.V.

**Corporate Presentation** 

## April 2024

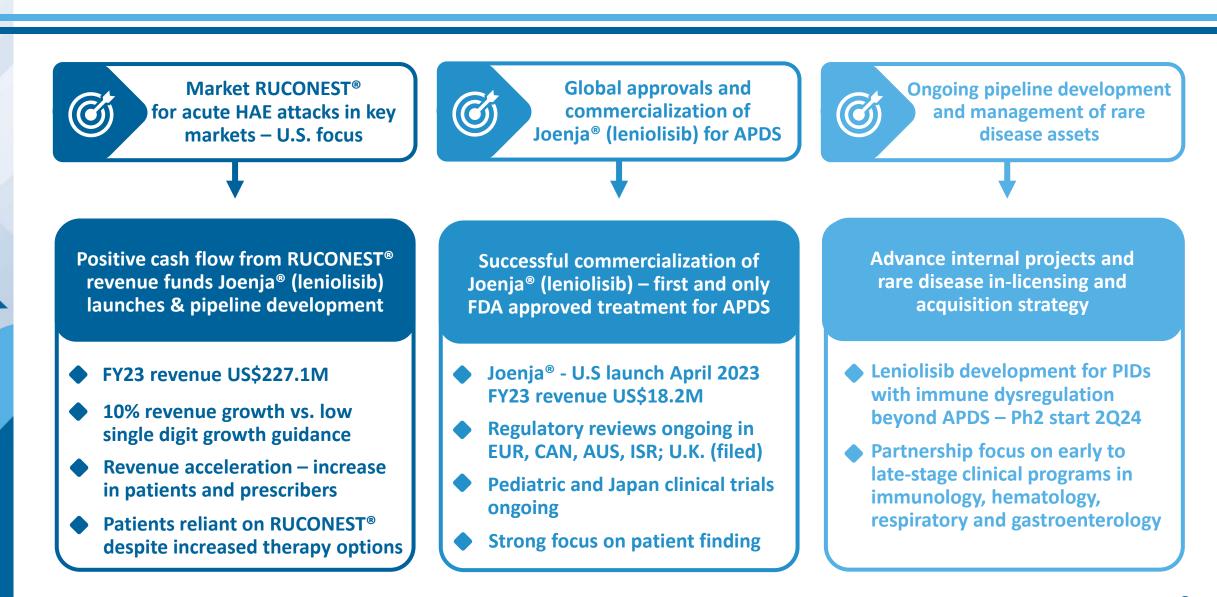
NASDAQ: PHAR | EURONEXT Amsterdam: PHARM



This presentation may contain forward-looking statements. Forward-looking statements are statements of future expectations that are based on management's current expectations and assumptions and involve known and unknown risks and uncertainties that could cause actual results, performance, or events to differ materially from those expressed or implied in these statements. These forward-looking statements are identified by their use of terms and phrases such as "aim", "ambition", "anticipate", "believe", "could", "estimate", "(expect", "goals", "intend", "may", "milestones", "objectives", "outlook", "plan", "probably", "project", "risks", "schedule", "seek", "should", "target", "will" and similar terms and phrases. Examples of forward-looking statements may include statements with respect to timing and progress of Pharming's preclinical studies and clinical trials of its product candidates, Pharming's clinical and commercial prospects, and Pharming's expectations regarding its projected working capital requirements and cash resources, which statements are subject to a number of risks, uncertainties and assumptions, including, but not limited to the scope, progress and expansion of Pharming's clinical trials and ramifications for the cost thereof; and clinical, scientific, regulatory, commercial, competitive and technical developments. In light of these risks and uncertainties, and other risks and uncertainties that are described in Pharming's 2023 Annual Report and the Annual Report on Form 20-F for the year ended December 31, 2023, filed with the U.S. Securities and Exchange Commission, the events and circumstances discussed in such forward-looking statements may not occur, and Pharming's actual results could differ materially and adversely from those anticipated or implied thereby. All forward-looking statements contained in this presentation are expressly qualified in their entirety by the cautionary statements contained or referred to in this section. Readers should not place undue reliance on forwardlooking statements. Any forward-looking statements speak only as of the date of this presentation and are based on information available to Pharming as of the date of this presentation. Pharming does not undertake any obligation to publicly update or revise any forwardlooking statement as a result of new information, future events or other information.

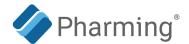
# Building a leading global rare disease biopharma company

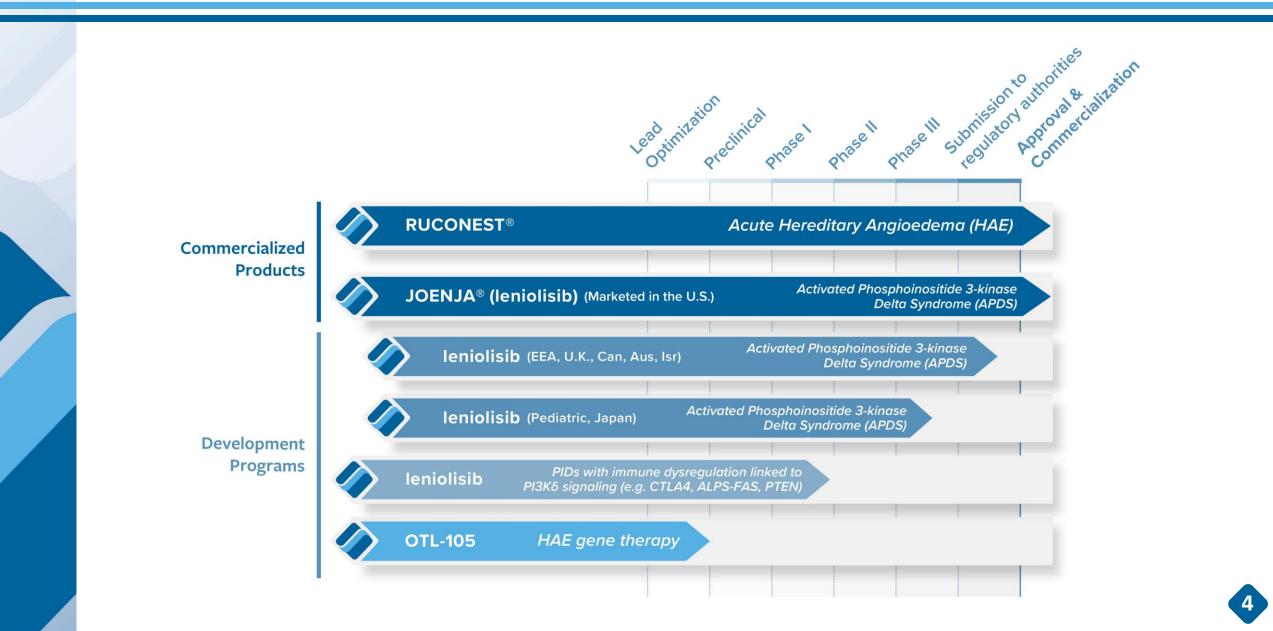




2024 Total Revenue Guidance - \$280 – \$295M – Driven by Joenja®

## **Pipeline – multiple commercial stage rare disease products**

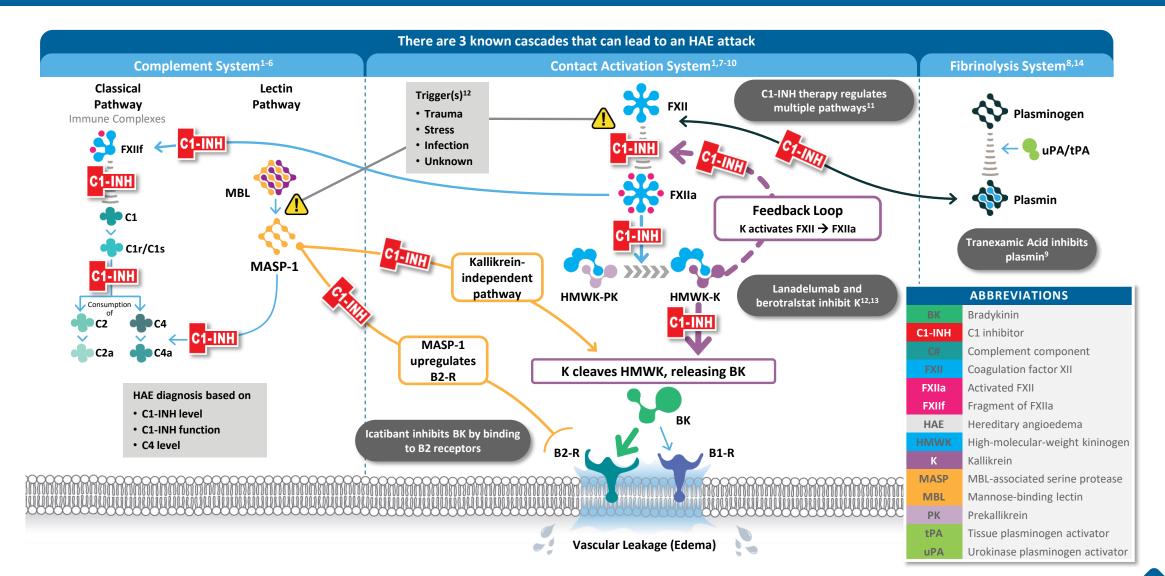




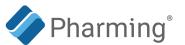


# **RUCONEST**<sup>®</sup>

## **C1-INH targets the root cause of HAE**



Adapted from a clinical cascade developed in partnership with Dr. Allen Kaplan. This is a current scientific understanding of the cascades. Clinical implications are unknown.



# **RUCONEST® (rhC1INH): trusted treatment cornerstone for HAE** *A* Pharming<sup>®</sup>

The only recombinant treatment that targets the root cause of HAE by replacing missing or dysfunctional C1-INH



Second most prescribed product for acute attacks



Well-tolerated and effective treatment option for acute hereditary angioedema (HAE) including breakthrough attacks

Strong U.S. in-market demand –

New patient enrollments up 25%

FY23 vs. FY22, >70 each quarter



97%: needed just 1 dose of
RUCONEST<sup>®1</sup>
93%: acute attacks stopped with
RUCONEST<sup>®</sup> for at least 3 days<sup>2</sup>



Performing well in leading revenue indicators in the U.S.: active patients, vials shipped, # physicians prescribing

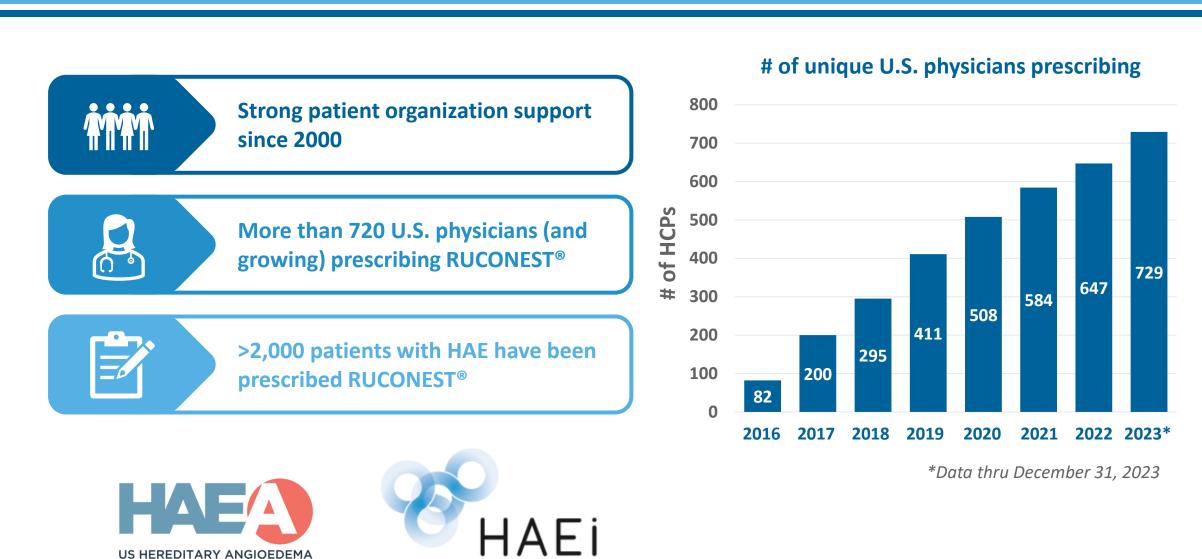
Revenue: FY23 US\$227.1M (+10%) 4Q23 US\$73.3M (+34%)



Continued growth in 2024, strong positioning vs. acute orals in late-stage development

References: 1. RUCONEST<sup>®</sup>. Prescribing information. Pharming Healthcare Inc; 2020. 2. Bernstein JA, et al. Ann Allergy Asthma Immunol. 2017;118(4):452-453. 3. Data on file. Pharming Healthcare Inc; 2019 The most common adverse reactions (incidence ≥2%) were headache, nausea and diarrhea. The most serious adverse reaction reported in clinical trials was anaphylaxis.

ASSOCIATION



HAE Internationa

Pharming®



# **APDS Overview**

# APDS is a rare, primary immunodeficiency (PID) first characterized in 2013





#### Activated phosphoinositide 3kinase delta (PI3Kδ) syndrome (APDS)

Global prevalence estimated at 1.5 patients per million population\*

To date, Pharming has identified >840 diagnosed APDS patients in select global markets\*\*

(as of December 31, 2023)



A genetic test can provide a definitive diagnosis of APDS



The signs and symptoms of APDS vary widely, even among family members with the same genetic variant, resulting in potential delays in diagnosis and care



Until now, treatments for APDS have addressed the symptoms of the disease which manifest early in childhood, but not the root cause of APDS

Without an indicated treatment specifically for APDS, physicians could only manage symptoms

\*Size based on available literature



## **APDS can impact many facets of life**



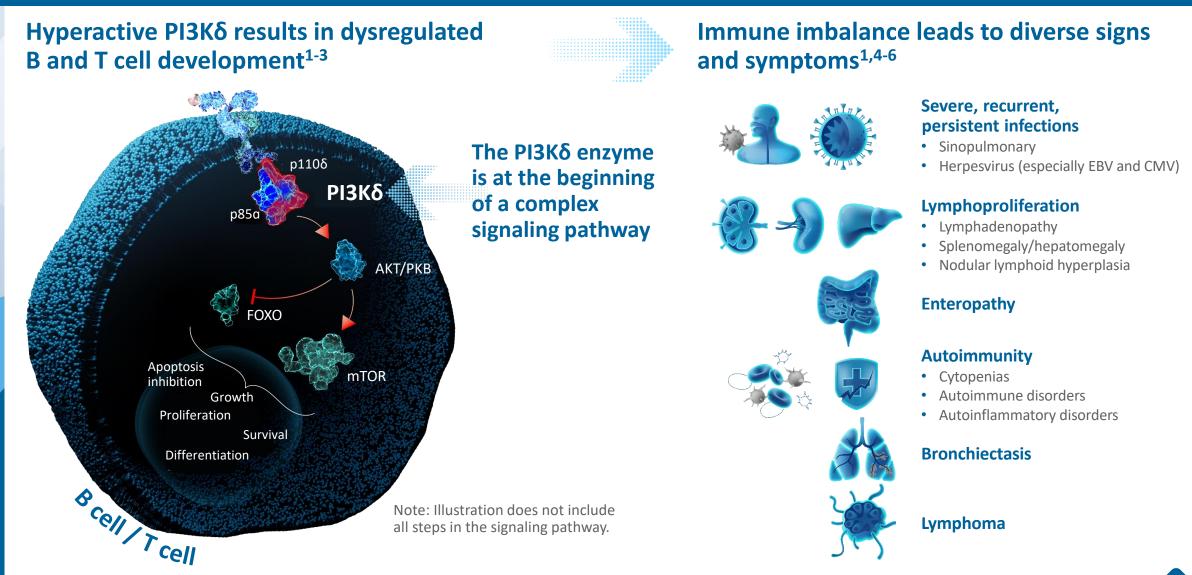


APDS, activated phosphoinositide 3-kinase  $\delta$  syndrome.

1. Coulter TI, et al. J Allergy Clin Immunol. 2017;139(2):597-606. 2. Elkaim E, et al. J Allergy Clin Immunol. 2016;138(1):210-218. 3. Rider NL, et al. J Clin Immunol. 2017;37(5):461-475. 4. Jiang F, et al. Allergy Asthma Clin Immunol. 2015;11:27. 5. Kuburovic NB, et al. Patient Prefer Adherence. 2014;8:323-330.

# Genetic defect leads to PI3Kδ hyperactivity, disrupting immune cell balance





FOXO, forkhead box O; mTOR, mammalian target of rapamycin; PI3K\delta, phosphoinositide 3-kinase delta; PKB, protein kinase B.

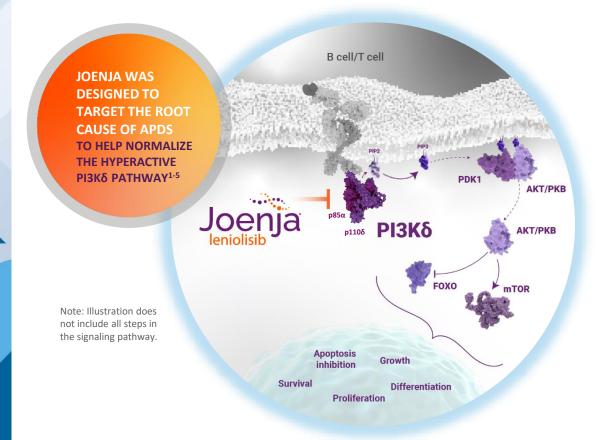
1. Lucas CL, et al. Nat Immunol. 2014;15(1):88-97. 2. Fruman DA, et al. Cell. 2017;170(4):605-635. 3. Okkenhaug K, Vanhaesebroeck B. Nat Rev Immunol. 2003;3(4):317-330. 4. Coulter TI, et al. J Allergy Clin Immunol. 2017;139(2):597-606. 5. Elkaim E, et al. J Allergy Clin Immunol. 2016;138(1):210-218. 6. Jamee M, et al. Clin Rev Allergy Immunol. 2020;59(3):323-333.



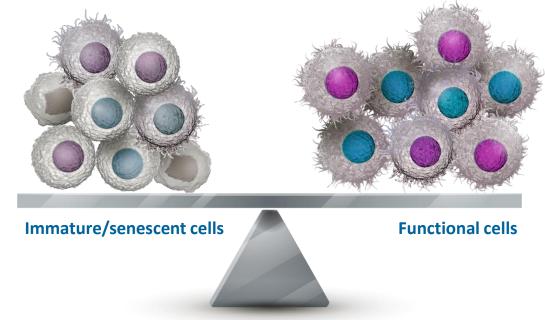
# Joenja<sup>®</sup> (leniolisib)

## Joenja<sup>®</sup>: immune modulator that targets the root cause of APDS





#### Joenja<sup>®</sup> facilitates a balanced PI3Kδ pathway to support proper immune function<sup>6</sup>



This is a graphical representation of a complex biological process.

AKT/PKB, protein kinase B; FOXO, forkhead box O; mTOR, mammalian target of rapamycin; p85α, the regulatory subunit of the PI3Kδ enzyme; p110δ, the catalytic subunit of the PI3Kδ enzyme. 1. Fruman DA, et al. *Cell*. 2017;170(4):605-635. 2. Okkenhaug K, Vanhaesebroeck B. *Nat Rev Immunol*. 2003;3(4):317-330. 3. Hoegenauer K, et al. *ACS Med Chem Lett*. 2017;8(9):975-980. 4. Rao VK, et al. *Blood*. 2017;130(21):2307-2316. 5. Rao VK, et al. *Blood*. 2017;130(21):2307-2316. 5. Rao VK, et al. *Blood*. 2023;141(9):971-983. 6. Nunes-Santos CJ, et al. *J Allergy Clin Immunol*. 2019;143(5):1676-1687.

NDC 71274-170-60

Ioenia

70 mg

(leniolisib) tab

70 mg

60 Tablets



Joenja<sup>®</sup> (leniolisib) is a prescription medicine that is used to treat activated phosphoinositide 3-kinase delta (PI3Kδ) syndrome (APDS) in adult and pediatric patients 12 years of age and older

In a randomized placebo-controlled trial of patients with APDS

- Joenja<sup>®</sup> met both primary end points with significant efficacy results
- Demonstrated significant improvement in other secondary and exploratory parameters

There were no drug-related serious adverse events or study withdrawals in Joenja<sup>®</sup> trials

Joenja<sup>®</sup> reported additional findings from an ongoing long-term openlabel extension study interim analysis: reductions/discontinuations in IRT and reduction in infection rates

Extension study interim analysis demonstrated safety consistent with the randomized, controlled trial. We continue to collect observational long-term data on lymphadenopathy, naive B cells and IgM







Strong commercial execution 9 months into U.S. launch



Continue to enroll patients and add patients on paid therapy in 4Q23 92 enrollments, of which 81 patients on paid therapy at end 4Q23



APDS Assist program ensures eligible patients have access to therapy



FY23 revenue US\$18.2M, including US\$7.9M in 4Q23



Significant focus on genetic family testing

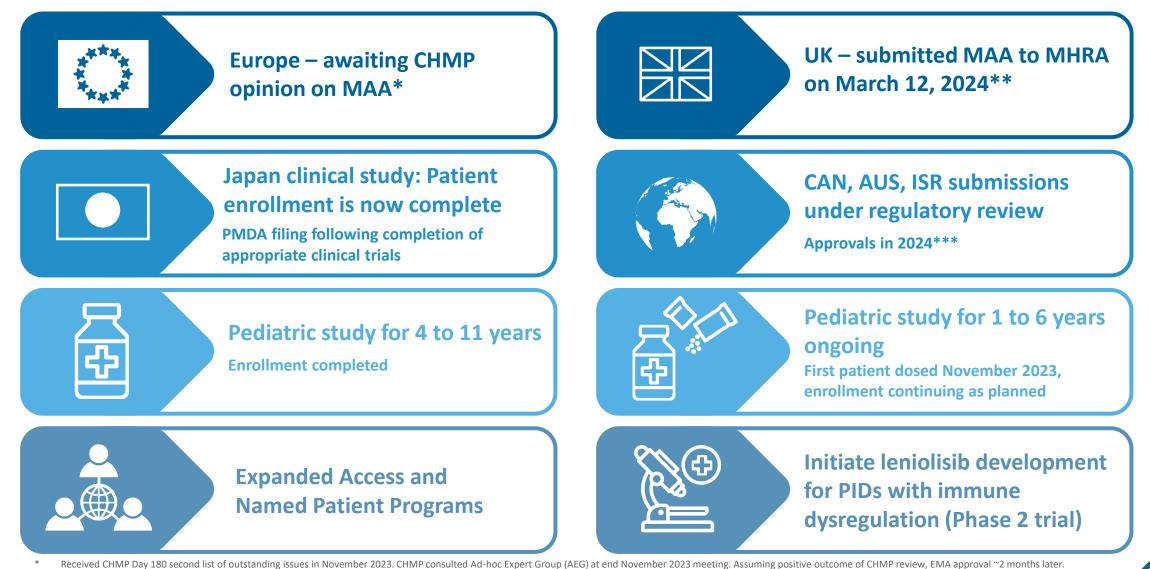


Validation studies to confirm which variants of uncertain significance (VUS) should be classified as APDS to complete in 4Q24, focused on >1100 patients identified in the U.S. with VUSs



# Joenja<sup>®</sup> – looking beyond FDA approval





\*\* Pharming filed an MAA through the International Recognition Procedure (IRP) on the basis of FDA approval. MHRA would have 110 days – with an option to enforce a 60-day clock stop, if needed - from the date the IRP submission is validated, to review and issue a decision.

\*\*\* Subject to positive regulatory agency decisions. Pharming filed regulatory submissions in Canada and Australia in the third quarter of 2023, and Israel in the second quarter





### Medical education to raise awareness of APDS and share leniolisib data

- Conferences and congresses
- Abstracts
- Publications





# IPIC2023

INTERNATIONAL PRIMARY IMMUNODEFICIENCIES CONGRESS







Sponsored, no-cost testing program

navigate by Pharming

- Genetic counselors to assist with testing and reviewing results
- Partnering with genetic testing companies to identify previously and newly diagnosed APDS patients



- Inherited disease\* but most APDS patients do not have diagnosed family members
- Patients may not be aware of genetics or have access to specialty physicians
- Cooperating with clinicians to encourage family testing
- Patients can request a genetic test through partner Genome Medical (if suspect APDS for themselves or family members)
- Reduces barrier for easier testing of those suspected with APDS





Genetic testing frequently leads to inconclusive results - previously unseen genetic variants:



Patients have clinical symptoms compatible with APDS, but genetic variant test is inconclusive



 Frustrating for patients and clinicians Need to determine if Variant of Uncertain Significance (VUS) causes APDS

## **Pharming initiatives/partnerships to resolve VUSs**



### **Variant Curation**

- ClinGen expert panels develop gene/disease specific thresholds and criteria for classifying variants
- Partnership with Genomenon to develop Genomic Landscape (comprehensive, systematic review of all published variant data)



## **Functional testing**

- Improve access to directly measure PI3K pathway activity in patient blood samples
- Sharing of results via public databases (ClinVar)

- Test nearly all possible variants in a single experiment
- Generate variant effect map, including variants already found and those not yet found (proactive)

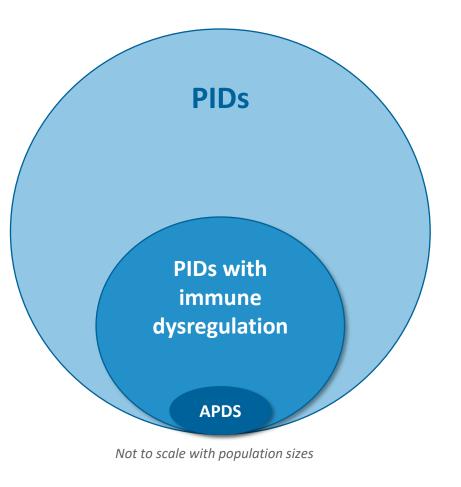
To date Pharming has identified more than 1,100 patients in the U.S. with VUSs. As results become available, patients with validated variants could be diagnosed with APDS and be eligible for Joenja<sup>®</sup> treatment. Completion of these studies is expected during 4Q 2024.



#### PIDs are a broad group of disorders<sup>1</sup> with key features:

- Genetic basis, i.e., not secondarily caused by another disease 'Inborn Errors of Immunity' (IEI) is used interchangeably with PID
- An increased risk of infection may be the predominant manifestation, due to poor immune system function
- PID patients may have a predominance of <u>immune</u> <u>dysregulation</u>, for example: lymphoproliferation and autoimmunity<sup>2</sup>

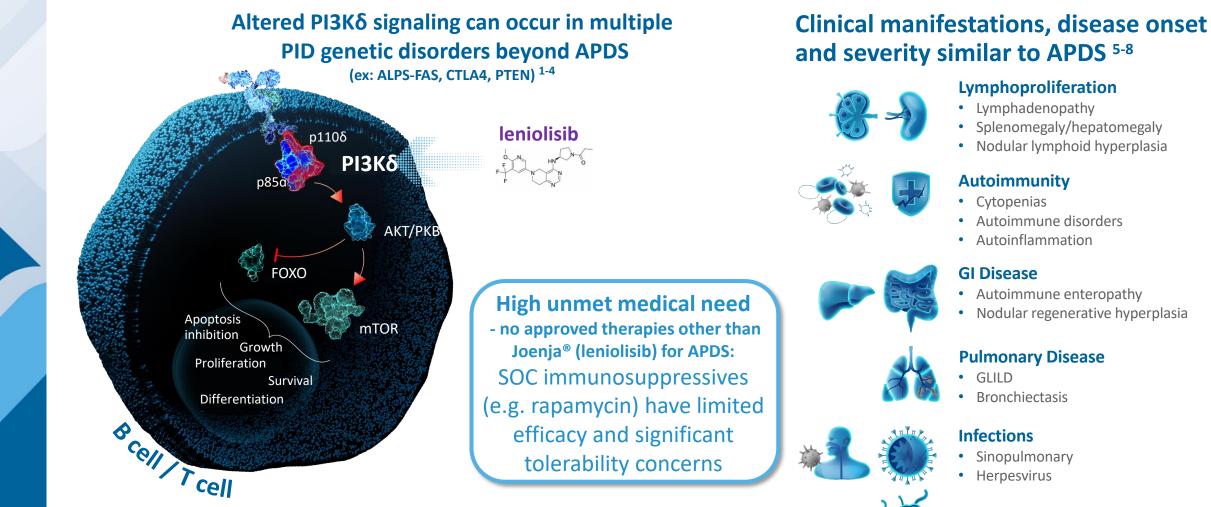
#### **APDS** is an example of a PID with immune dysregulation





## Given importance of PI3K\delta in B & T cells, immune dysregulation in PIDs can occur via alterations in PI3Kδ signaling





Note: Illustration does not include all steps in the signaling pathway.

FOXO, forkhead box O; mTOR, mammalian target of rapamycin; PI3Kδ, phosphoinositide 3-kinase delta; PKB, protein kinase B.

1. Volkl et al. Blood 2016; 128(2):227-238. 2.Tsujita, et al. J Allergy Clin Immunol. 2016;138(6):1872-80. 3. Browning et al. J Med Genet. 2015;52(12):856-59. 4. Heindl et al. Gastroenterology 2012;142:1093-96. 5. Coulter TI, et al. J Allergy Clin Immunol. 2017;139(2):597-606. 6. Rao VK and Oliveria JB. Blood 2011; 118(22):5741-51. 7. Westerman-Clark et al 2021; Schwab C, Gabrysch A, Olbrich P, Patiño V, Warnatz K, et al. J Allergy Clin Immunol. 2018;142(6):1932-1946. 8. Eissing M, Ripken L, Schreibelt G, Westdorp H, Ligtenberg M, Netea-Maier R, Netea MG, de Vries IJM, Hoogerbrugge N. Transl Oncol. 2019;12(2):361-367



- Splenomegaly/hepatomegaly
- Nodular lymphoid hyperplasia
- Autoimmune disorders
- Autoinflammation
- Autoimmune enteropathy
- Nodular regenerative hyperplasia





# Leniolisib development for PIDs with immune dysregulation



- Based on APDS experience, leniolisib has potential to be an effective & tolerable chronic treatment approach for PIDs with immune dysregulation
- Leniolisib, by reducing PI3Kδ activity, should help rebalance immune dysregulation in PIDs, positively impacting clinical manifestations including lymphoproliferation and autoimmunity
- Initial development in PID genetic disorders with immune dysregulation linked to PI3Kδ signaling in lymphocytes with similar clinical phenotypes to APDS, e.g. ALPS-FAS<sup>1</sup>, CTLA4 haploinsufficiency<sup>2</sup>, PTEN deficiency<sup>3</sup>
  - Epidemiology suggests prevalence of ~5/million<sup>4</sup>
  - FDA review / feedback received on clinical trial plans
- Phase 2 proof of concept clinical trial final stages of preparations to commence trial

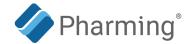


<sup>1.</sup> Rao VK and Oliveria JB. How I treat autoimmune lymphoproliferative syndrome. Blood 2011; 118(22):5741-51

<sup>2.</sup> Westerman-Clark et al 2021; Schwab C, Gabrysch A, Olbrich P, Patiño V, Warnatz K, et al. Phenotype, penetrance, and treatment of 133 cytotoxic T-lymphocyte antigen 4-insufficient subjects. J Allergy Clin Immunol. 2018;142(6):1932-1946

<sup>3.</sup> Eissing M, Ripken L, Schreibelt G, Westdorp H, Ligtenberg M, Netea-Maier R, Netea MG, de Vries IJM, Hoogerbrugge N. PTEN Hamartoma Tumor Syndrome and Immune Dysregulation. Transl Oncol. 2019;12(2):361-367

<sup>4.</sup> Size based on estimate of 5 patients per million (based on Pharming literature review, KOL feedback and review of patient registries)



Phase 2 proof of concept clinical trial – single arm, openlabel, dose range-finding study (N=12)



- Patients with PIDs linked to PI3Kδ signaling, e.g. ALPS-FAS, CTLA4 haploinsufficiency, PTEN deficiency
- Primary: Safety & Tolerability
- Secondary/Exploratory: PK/PD, efficacy measures
- 10/30/70 mg: 4/4/12 wks treatment, respectively
- Pick Best Dose regimen for Ph3



National Institute of Allergy and Infectious Diseases

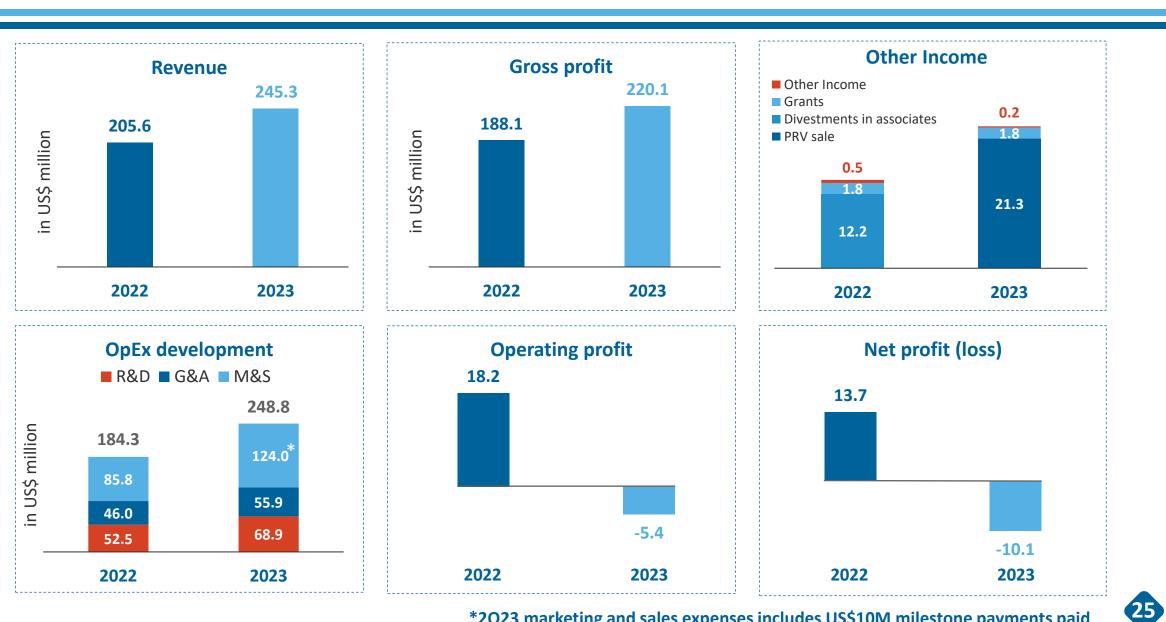
Lead Investigator: Gulbu Uzel, M.D., Senior Research Physician

Co-Investigator: V. Koneti Rao, M.D., FRCPA, Senior Research Physician Primary Immune Deficiency Clinic (ALPS Clinic)



# **Financials and Outlook**

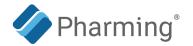
# Financial highlights: FY 2023 vs FY 2022

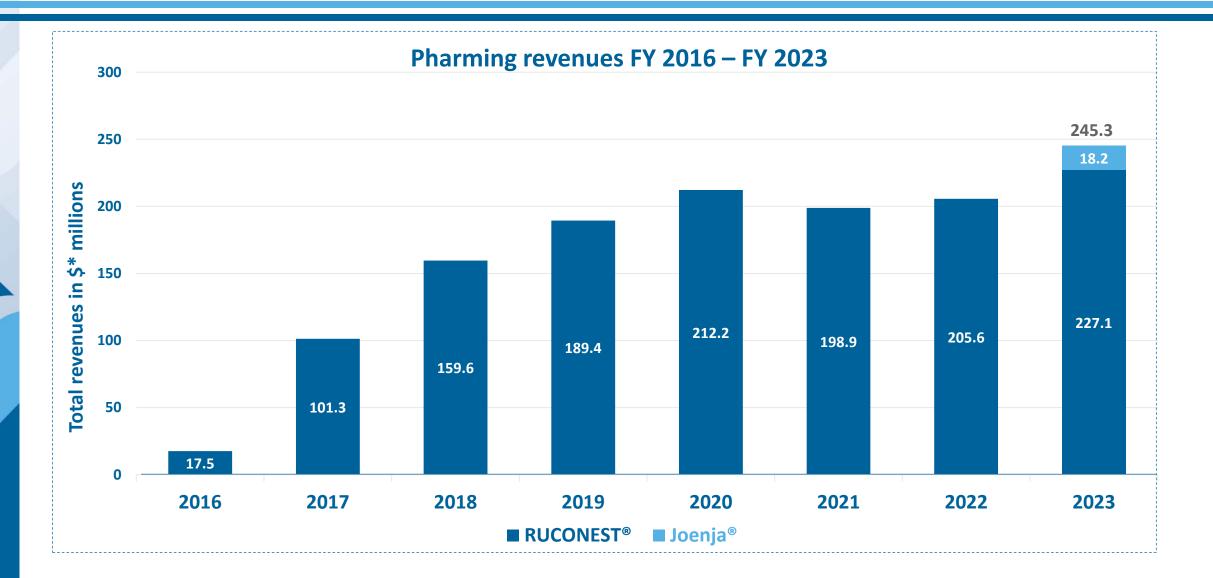


\*2Q23 marketing and sales expenses includes US\$10M milestone payments paid

🖉 Pharming®

## **RUCONEST®** and Joenja® driving revenue growth



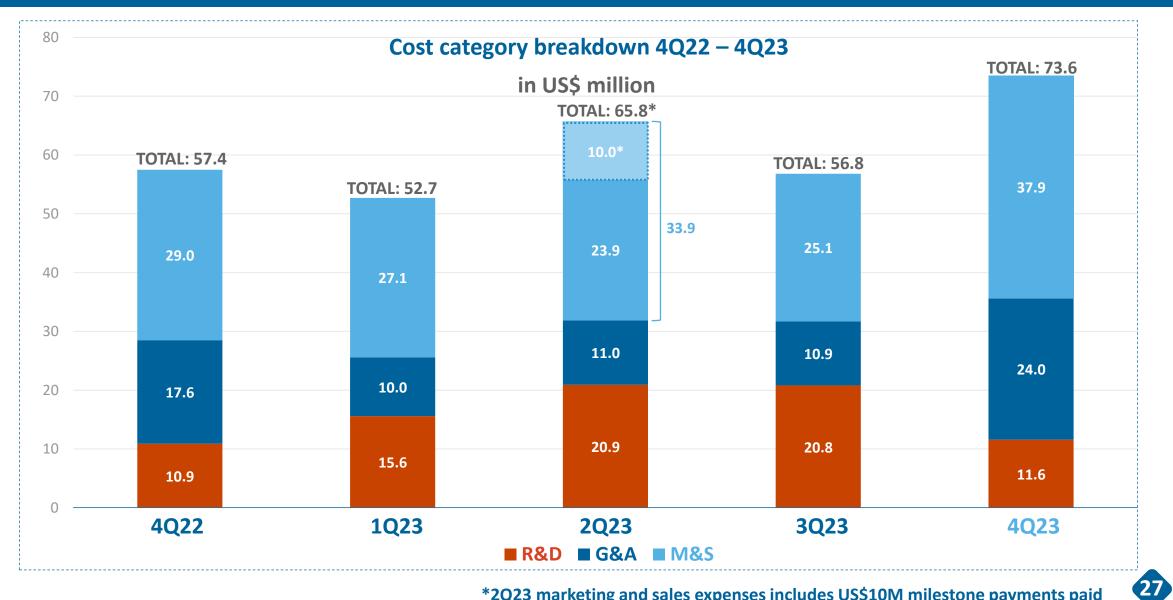


• From FY 2016 – FY 2020 Pharming Group reported earnings in EUR. Revenues during this time frame have been converted to USD. In 2021, Pharming Group began reporting earnings in USD.

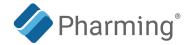
• 4Q 2020 and 1Q 2021 quarterly fluctuations and volatility from COVID-19.

## **Investment in Joenja® launch and leniolisib development**





\*2Q23 marketing and sales expenses includes US\$10M milestone payments paid

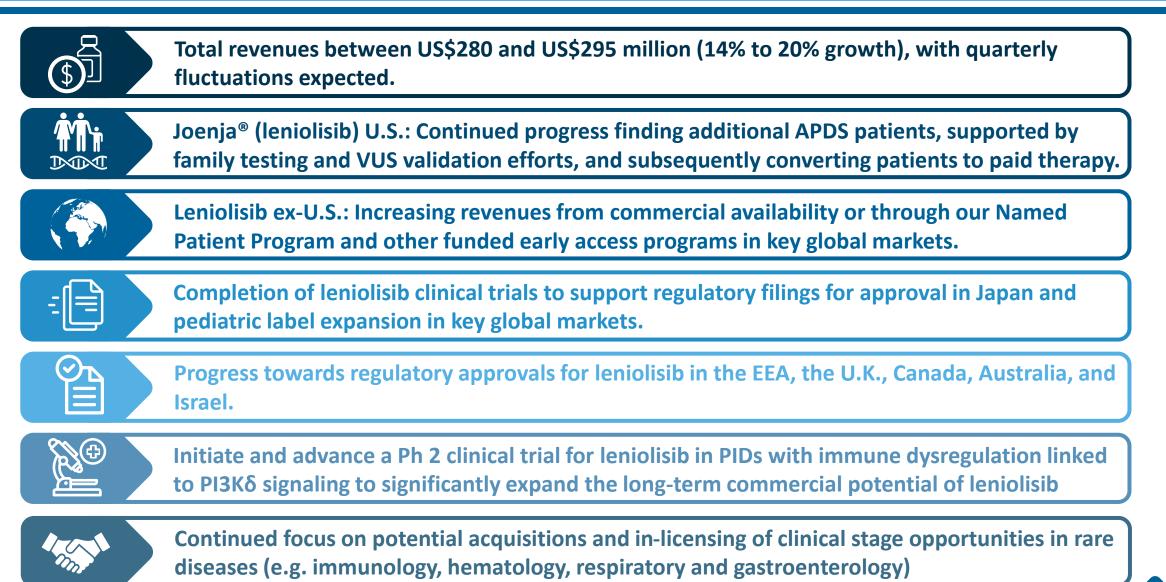


		% Growth vs. FY 2023
Total Revenues	US\$280 - 295 million	14-20%

#### Assumptions

- Quarterly fluctuations expected
- Joenja<sup>®</sup> significant driver of revenue growth, continued RUCONEST<sup>®</sup> growth
- ✓ Joenja<sup>®</sup> assumptions:
- Continued growth in patients on paid therapy
- U.S. Pricing: 30-day supply \$47,220, Annual cost (WAC) \$566,640







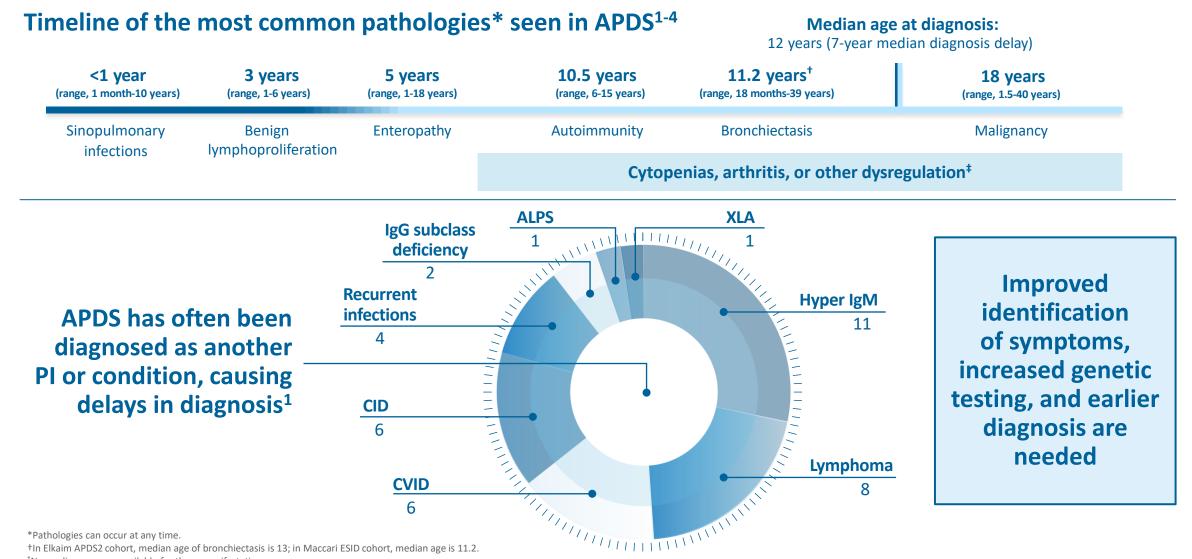
#### www.pharming.com

#### NASDAQ: PHAR | EURONEXT Amsterdam: PHARM



# Pharming Group N.V. Appendix





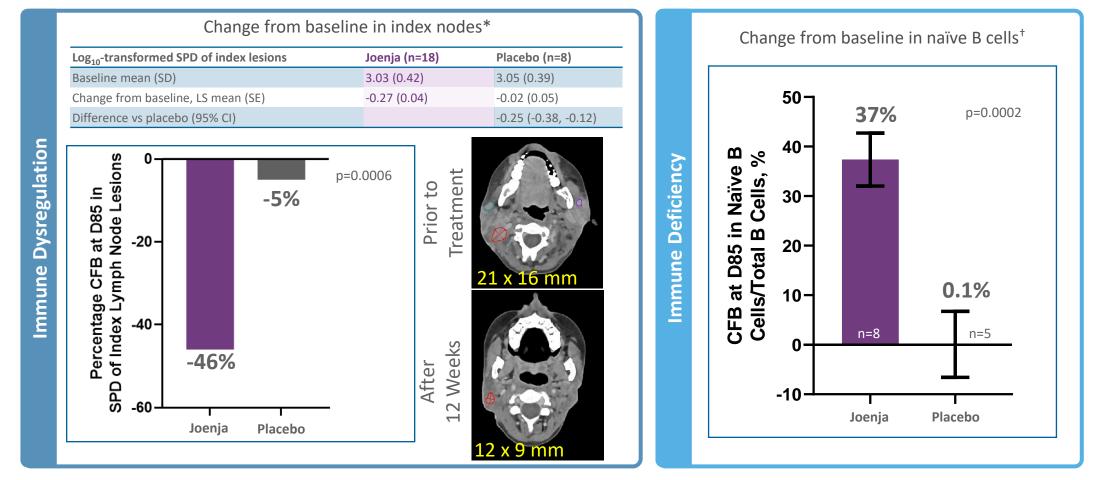
<sup>‡</sup>No median ages are available for these manifestations.

ALPS, autoimmune lymphoproliferative syndrome; CID, combined immunodeficiency; CVID, common variable immune deficiency; ESID, European Society for Immunodeficiencies; HIGM, hyper immunoglobulin M syndrome; IgG, immunoglobulin G; PI3Kδ, phosphoinositide 3-kinase delta; XLA, X-linked agammaglobulinemia.

1. Jamee M, et al. Clin Rev Allergy Immunol. 2020;59(3):323-333. 2. Maccari ME, et al. Front Immunol. 2018;9:543. 3. Elkaim E, et al. J Allergy Clin Immunol. 2016;138(1):210-218.e9. 4. Coulter TI, et al. J Allergy Clin Immunol. 2017;139(2):597-606.



#### At 12 weeks Joenja<sup>®</sup> decreased lymphadenopathy and increased naïve B cells

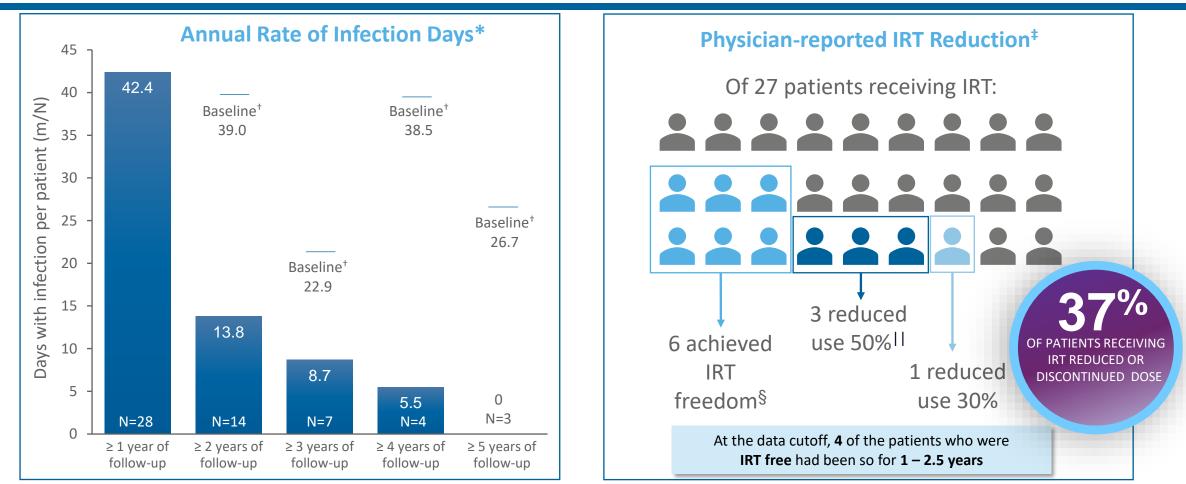


Data were analyzed using an ANCOVA model with treatment as a fixed effect and baseline as a covariate. Use of glucocorticoids and IRT at baseline were both included as categorical (Yes/No) covariates. Baseline is defined as the arithmetic mean of the baseline and D1 values when both are available, and if either baseline or the D1 value is missing, the existing value is used. P-value is 2-sided. Least square means are graphed. Error bars are standard error of the mean. \*The analysis excluded 2 patients from each treatment group due to protocol deviations and 1 Joenja patient having complete resolution of the index lesion identified at baseline. \*Out of 27 patients in the PD analysis set, 13 patients met the analysis requirements, including having a percentage of <48% of naïve B cells at baseline, to form the B-PD analysis set. Joenja [package insert]. Leiden, The Netherlands: Pharming Technologies B.V.; 2023.

Please see Important Safety Information and full Prescribing Information available at joenja.com

# **Open-label extension interim analysis of days spent with infections and IRT reduction**





## Although safety was the primary objective of the open-label study, this post hoc analysis from the open-label study was not powered to provide any statistical significance of efficacy and therefore no conclusions should be drawn.

\*Infections that developed during the study were reported as adverse events. Investigators were requested to inquire about signs and symptoms of infections at each visit, with a particular focus on bacterial enterocolitis. Patients were not provided an infection diary to document infections occurring between visits. One patient was excluded from the analysis due to an incorrect year that was recorded for an infection. \*Baseline infections are each group's year 1 annual rate of infections. N values changed because patients were in the OLE for different lengths of time. \*Data on concomitant medication usage was reported at each patient visit. \*One patient had a subsequent one-time dose. <sup>III</sup>One patient achieved IRT freedom for 3 months but subsequently restarted IRT. **IRT**, immunoglobulin replacement therapy; **m**, number of infection days; **N**, number of patients in follow-up category. Rao VK, et al. Poster presented at: *64<sup>th</sup> Annual American Society of Hematology Annual Meeting*; December 10-13, 2022; New Orleans, LA. Please see Important Safety Information and full Prescribing Information available at joenja.com

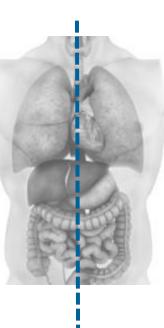


## Management for APDS<sup>1,2</sup> prior to Joenja<sup>®</sup>



## **Immune Deficiency**

- Antimicrobial prophylaxis
- Immunoglobulin replacement therapy



## **Immune Dysregulation**

- Corticosteroids
- Other immunosuppressants
- mTOR inhibitors

None of these therapies are FDAapproved for APDS treatment

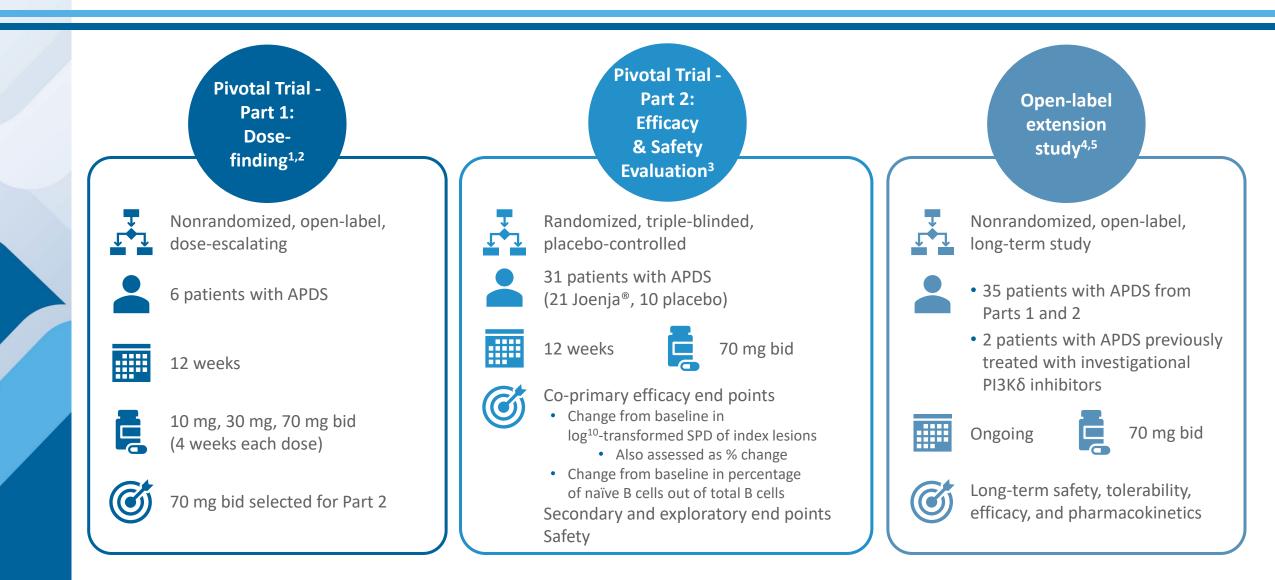
### Hematopoietic stem cell transplant

APDS, activated phosphatidylinositol 3-kinase δ syndrome; IRT, immunoglobulin replacement therapy; mTOR, mammalian target of rapamycin; PI, primary immunodeficiency; PIRD, primary immune regulatory disorder.

1. Coulter TI, et al. J Allergy Clin Immunol. 2017;139(2):597-606. 2. Elkaim E, et al. J Allergy Clin Immunol. 2016;138(1):210-218. 3. Chan AY, et al. Front Immunol. 2020;11:239. 4. Chinn IK, et al. J Allergy Clin Immunol. 2020;145(1):46-69.

# Joenja<sup>®</sup> clinical trial designs



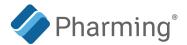


bid, twice a day; PI3K\delta, phosphoinositide 3-kinase delta; SPD, sum of product diameters

1. Rao VK, et al. *Blood*. 2017;130(21):2307-2316. 2. NCT02435173. ClinicalTrials.gov. https://clinicaltrials.gov/ct2/show/NCT02435173. Updated May 6, 2015. Accessed March 13, 2023. 3. Rao VK, et al. *Blood*. 2023;141(9):971-983.

4. NCT02859727. ClinicalTrials.gov. https://clinicaltrials.gov/ct2/show/NCT02859727. Updated October 31, 2022. Accessed March 3, 2023. 5. Data on file. Pharming Healthcare Inc; 2022.

# Joenja® significantly reduced splenomegaly



### Secondary endpoint: Significant reductions in spleen size by 2D and 3D analysis compared to placebo

- The adjusted mean difference in bidimensional spleen size between Joenja<sup>®</sup> (n=19) and placebo (n=9) was -13.5 cm<sup>2</sup> (95% Cl: -24.1, -2.91), P=0.0148
- The adjusted mean difference in 3D spleen volume between Joenja<sup>®</sup> (n=19) and placebo (n=9) was -186 cm<sup>3</sup> (95% CI: -297, -76.2), *P*=0.0020



Secondary measure: spleen volume scan results of actual patient illustrate average improvement documented for patients taking Joenja®

#### Prior to treatment: 491 mL





At week 12:

Actual patient images of a 17-year-old male. As individual results vary, images may not be representative of all patients.

Rao VK, et al. Blood. 2023;141(9):971-983.

\*In the PD analysis set, the mean (SD) percentage change from baseline to week 12 in 3D spleen volume (mm<sup>3</sup>) was -26.68% (12.137) with Joenja® (n=19) and -1.37% (24.238) with placebo (n=9). The ANCOVA model was used with treatment as a fixed effect and log<sub>10</sub>-transformed baseline as a covariate for index and non-index lesions. The use of both glucocorticoids and IV Ig at baseline was included as categorical (yes/no) covariates. This analysis excluded 2 patients in each treatment group. In the Joenja<sup>®</sup> group, 1 patient with a complete index lesion response was excluded, and 3 patients were excluded for no non-index lesion at baseline. PD, pharmacodynamics.

# An exploratory end point showed Joenja<sup>®</sup> reduced IgM levels





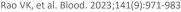
Mean serum IgM rapidly reduced to within normal limits • In the Joenja<sup>®</sup> arm, IgM was elevated above normal limits in 6 patients at baseline, and

range

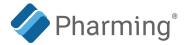
- by week 12 was reduced in all, with 50% returning to within normal limits
- In contrast, IgM was elevated above normal limits at baseline in 4 patients in the placebo arm, and by week 12 levels remained stable or elevated, with 0% returning to within normal limits

Error bars are standard error of the mean. Safety analysis set (N=31) shown. Blue box indicates IgM normal range.

Soluble biomarkers, including IgM, were prespecified exploratory endpoints in the protocol. Although an observational decrease in IgM was noted in some patients, no statistical significance can be made from this analysis, and no conclusions should be drawn.



# Joenja® safety profile



#### Phase 3 Trial<sup>1,2</sup>

Adverse reactions reported by  $\geq 2$  patients treated with Joenja and more frequently than placebo

	Joenja (n=21) n (%)	Placebo (n=10) n (%)
Headache	5 (24)	2 (20)
Sinusitis	4 (19)	0
Dermatitis atopic*	3 (14)	0
Tachycardia <sup>†</sup>	2 (10)	0
Diarrhea	2 (10)	0
Fatigue	2 (10)	1 (10)
Pyrexia	2 (10)	0
Back pain	2 (10)	0
Neck pain	2 (10)	0
Alopecia	2 (10)	0

• Study drug-related AEs occurred in 8 patients; the incidence was lower in the Joenja arm (23.8%) than in the placebo arm (30.0%)

• No AEs led to discontinuation of study treatment

#### **Open-label Extension Study<sup>3</sup>**

Data cutoff for interim analysis: December 13, 2021

- 32/37 patients reported ≥1 AE
- 78.4% of AEs were grade 1, 48.6% grade
   2, 27.0% grade 3, 0% grade 4
- No SAEs related to Joenja

Most common AEs	n
Upper respiratory tract infection	8
Headache	6
Pyrexia	6
Otitis externa	5
Weight increase	5
COVID-19, positive/negative	5/14

One patient with significant baseline cardiovascular comorbidities suffered cardiac arrest resulting in death at extension Day 879; determined by investigator not to be related to study drug

# Across all • 38 patients had a median exposure of ~2 years trials<sup>2</sup> • 4 patients had >5 years of exposure

A patient with multiple occurrences of an AE is counted only once in the AE category. Only AEs occurring at or after first drug intake are included.

\*Includes dermatitis atopic and eczema. <sup>†</sup>Includes tachycardia and sinus tachycardia.

AEs, adverse events; ALT, alanine aminotransferase; AST, aspartate aminotransferase; SAE, serious adverse event.

1. Rao VK, et al. Blood. 2023;141(9):971-983. 2. Joenja [package insert]. Leiden, The Netherlands: Pharming Technologies B.V.; 2023. 3. Data on file. Pharming Healthcare Inc; 2022. Please see Important Safety Information and full Prescribing Information available at joenja.com



# **Recent medical conference presentations (selected)**



#### AMCP Nexus - Academy of Managed Care Pharmacy (October 2023)

• A Real-world Comparison of Health Care Resource Utilization and Health Care Costs Among Patients With Activated PI3K-Delta Syndrome Versus a Control Cohort of Patients Without Activated PI3K-Delta Syndrome in the United States

#### ACAAI - American College of Allergy, Asthma & Immunology (November 2023)

• Mortality in Patients With Activated Phosphoinositide 3-Kinase Delta Syndrome, a Systematic Literature Review

### IPIC - International Primary Immunodeficiencies Congress (November 2023)

- Results of a second interim analysis of an ongoing single-arm open-label extension study of leniolisib in activated PI3K delta syndrome: long-term efficacy and safety through to March 2023.
- Complicated course of activated PI3K delta syndrome-1 ameliorated by leniolisib: a case study.
- Gastrointestinal manifestations in patients with activated PI3K delta syndrome (APDS) treated with leniolisib.
- Assessing long-term treatment with leniolisib and its effects on bronchiectasis in patients with activated PI3K delta syndrome (APDS).

### AAAAI - American Academy of Allergy, Asthma & Immunology (February 2024)

• Clinical and Genetic Findings of Individuals Tested via the navigateAPDS Sponsored Genetic Testing Program



NEXUS





& Immunoloa

INTERNATIONAL PRIMARY IMMUNODEFICIENCIES CONGRESS

