



# 42<sup>nd</sup> Annual J.P. Morgan Healthcare Conference

January 2024





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# Who We Are



## OUR MISSION

*At Harmony Biosciences, we specialize in developing and delivering treatments for rare neurological diseases that others often overlook. We believe that where empathy and innovation meet, a better life can begin for people living with neurological diseases.*



# Our Journey of Growth

## FOUNDATION

## GROWTH & EXPANSION

2017

Secured Exclusive U.S. License for WAKIX® from Bioprojet



Founded Harmony Biosciences



2018

Granted Fast Track Status & Breakthrough Therapy Designation for Pitolisant

Filed NDA for Pitolisant



Launched KnowNarcolepsy



2019

FDA Approves WAKIX for EDS in Narcolepsy



IND for Prader-Willi Syndrome (PWS)



2020

Completed Nasdaq IPO (HRMY)

Cataplexy Indication Approved

Initiated PWS Phase 2 POC Trial

IND for Myotonic Dystrophy (DM) Opened



2021

Initiated DM Phase 2 POC Trial

IND for Idiopathic Hypersomnia (IH) Opened



WAKIX Added to AASM Treatment Guidelines



HRMY Added to Nasdaq Biotech Index (NBI)

2022

Initiated IH Phase 3 INTUNE Study



Signed 2022 Agreement with Bioprojet

Achieved Positive Signals in PWS Phase 2 POC Trial

2023

Surpassed \$500M in WAKIX Annual Net Revenue

Expanded and Diversified Pipeline with Zynerva Acquisition



Completed IH Phase 3 INTUNE Study

Initiated Share Repurchase Program

Achieved Positive Signals in DM Phase 2 POC Trial

# Executing Our Growth Strategy: 2023 Accomplishments

## Continued Strong Growth For WAKIX® in Adult Narcolepsy

- FY 2023 WAKIX Net Revenue of ~\$582M **+33% Year-over-Year Growth**<sup>1</sup>
- ~6,150 average number of patients on WAKIX in Q4 2023
- **Continued strong growth** in average number of patients & WAKIX prescriber base

## Advance and Expand the Pipeline

- **Expanded the pipeline and diversified the portfolio** with acquisition of Zynerba Pharmaceuticals; ZYN-002 in Phase 3 pivotal trial for Fragile X syndrome and Phase 3 ready for 22q deletion syndrome
- Reported topline results from Phase 3 INTUNE study; **remain committed to IH patient community and actively pursuing IH indication**
- **Advanced PWS program** with Phase 3 TEMPO study expected to initiate in Q1 24
- **Reported positive** topline results from DM1 Phase 2 POC study
- **Submitted** pediatric narcolepsy sNDA in Q4 23
- **Advanced new pitolisant based** formulations into the clinic

## Disciplined Capital Allocation to Maximize Shareholder Value

- **Profitable, cash generating** with **\$438.4M** on the balance sheet as of September 30, 2023
- **Share repurchase program**: Repurchased ~3.2M shares of common stock at an aggregate cost of \$100M during 2023; remaining authorization of \$150M
- **Well positioned** to execute on business development to build out robust pipeline

# Harmony Today: A Profitable and Rapidly Growing CNS Focused Company

## Strong Commercial Success With WAKIX® in Adult Narcolepsy

- ~\$582M in Net Revenue for Full Year 2023<sup>1</sup> with ~6,150 Average Patients on WAKIX in Q4 2023
- Potential \$1B+ Net Revenue Opportunity in Narcolepsy Alone & Well on Our Way
- More unique prescribers of WAKIX than sodium oxybate

## An Expanding Late-Stage Pipeline With Multiple Phase 3 Assets

- Up to Additional \$1B, If Approved in Current Pitolisant LCM Programs
- New Pitolisant-based formulations designed to generate new IP out beyond 2040
- ZYN-002 in Phase 3 for Fragile X syndrome (Phase 3 ready for 22q11.2 deletion syndrome)

## Profitable and Cash Generating Providing Financial Strength and Flexibility to Further Build Out Our Pipeline and Deploy Capital to Maximize Shareholder Value

- ~\$438M in Cash, Cash Equivalents and Investments as of September 30, 2023
- Active in business development to expand our pipeline, diversify our portfolio, and extend our growth trajectory

1. Preliminary Unaudited



# Executing Our Growth Strategy: *2024 Priorities*

## Continued Strong Growth For WAKIX® in Adult Narcolepsy

- Drive commercial strategy to achieve Net Revenue >\$700M
- Grow average number of patients on WAKIX to ~7,000
- Increase educational outreach to drive continued growth in depth and breadth of prescriber base and patient interest in WAKIX

## Advance and Expand the Pipeline

- Report pharmacokinetic (PK) data on new pitolisant-based formulations in 1H 24
- Drive patient enrollment in the Phase 3 pivotal RECONNECT trial for Fragile X syndrome
- Initiate Phase 3 TEMPO study in PWS in Q1 24
- FDA meeting request submitted to discuss IH path forward; anticipate meeting in Q1 24
- Complete review of positive DM1 Phase 2 POC data in EDS and fatigue; assess opportunity

## Disciplined Capital Allocation to Maximize Shareholder Value

- Actively pursue business development opportunities to expand our pipeline and diversify our portfolio
- Continued opportunistic execution of share repurchase program

# Strong Track Record of Commercial Performance

CONFIDENT IN WAKIX BEING A POTENTIAL \$1B+ OPPORTUNITY IN ADULT NARCOLEPSY ALONE

WAKIX ANNUAL NET REVENUE (\$M)



**~\$582M<sup>1</sup>** 2023  
Net Revenue

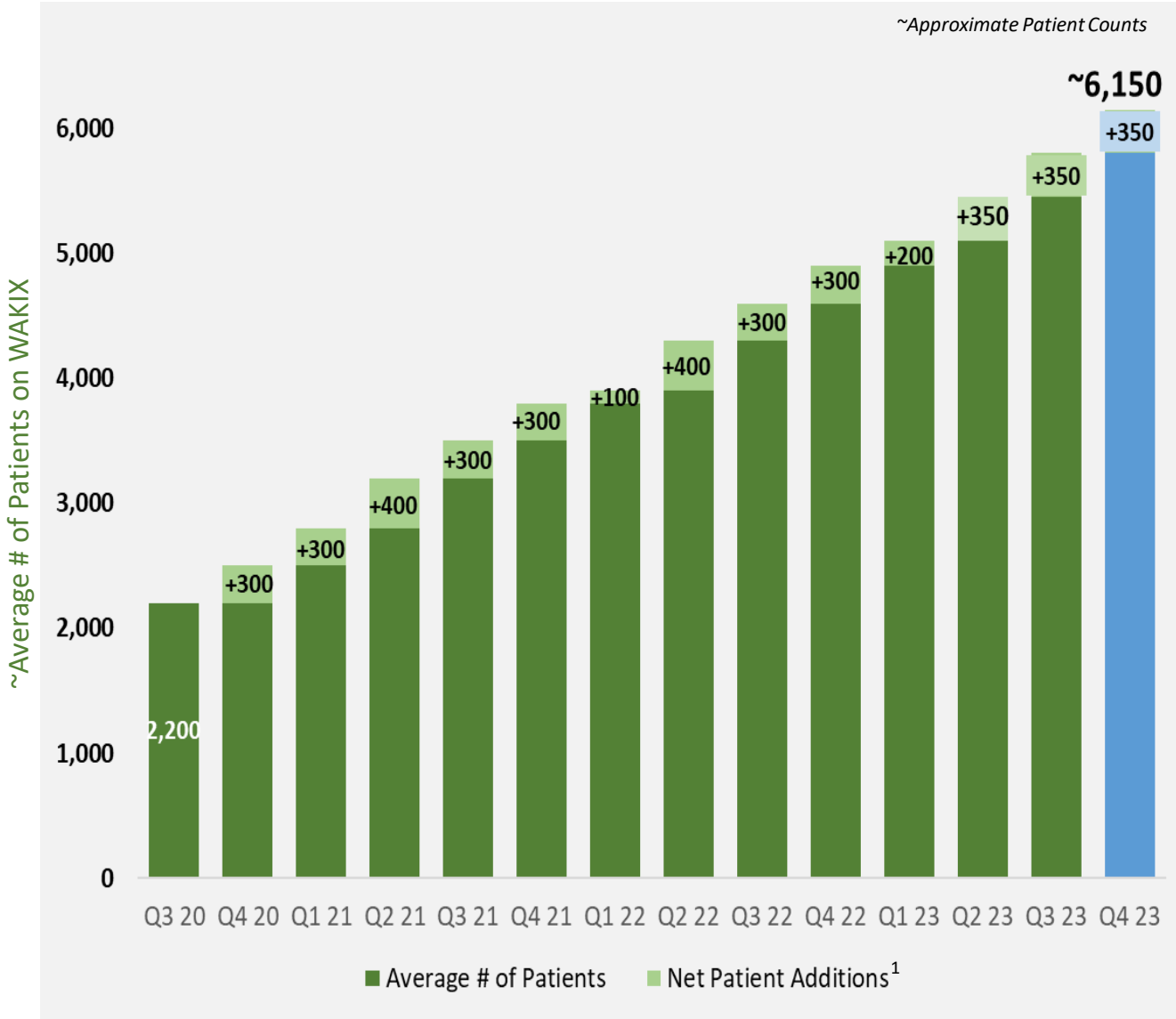
**33% Growth<sup>1</sup>** vs. 2022

**\$700-\$720M** 2024  
Guidance



# Solid Business Fundamentals Driving Growth

## Continued Strong Performance in 2023 - Year 4 of Commercialization



### 2023 Highlights



**More unique prescribers of WAKIX than sodium oxybate**

**Strong market access coverage (~84%) - even with the launch of generic and new oxybate options**

1. Net Patient Additions based on previously disclosed quarterly average number of patients on WAKIX  
 2. Preliminary Unaudited

# Core Attributes of WAKIX® Product Profile Align with Existing Unmet Needs in Narcolepsy



## Top Unmet Needs in Narcolepsy

- Need for **non-scheduled treatment options** (low/no abuse potential)
- Need for **more tolerable** treatment regimens
- Need for **more effective** treatment options
- Need for **Novel MOAs** beyond currently available therapies needed
- Need for **less frequently dosed products**; need for once-daily options



## WAKIX Product Profile\*



● First and only FDA-approved **non-scheduled** treatment for narcolepsy

● Established **safety & tolerability** profile

● Approved for the **treatment of EDS or cataplexy in narcolepsy**

● First in class molecule with a **novel MOA** - The only selective H3 receptor antagonist/inverse agonist approved by the FDA

● **Once-daily** oral tablet administered in the morning upon waking

● **Not a stimulant** - no evidence of drug tolerance or withdrawal symptoms

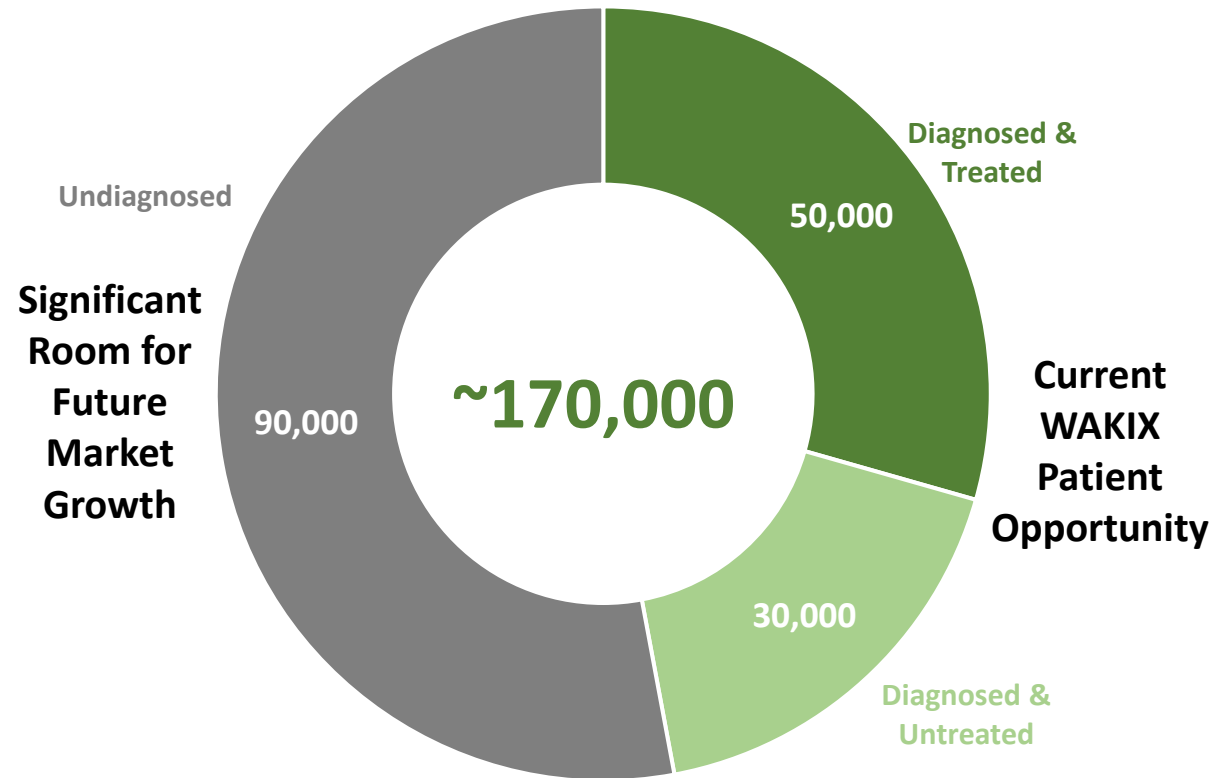
● Can be used as **monotherapy or administered concomitantly** with other narcolepsy treatments (modafinil and sodium oxybate)

\* Based on FDA approved product labeling

Source: Harmony ATU, July 2018 (n=286); Versta Research, Know Narcolepsy Survey ("Know Narcolepsy"), October 2018; Unmet needs listed in descending order of importance stated by combined HCP and patient audience responses.

# Narcolepsy: Significant Remaining Market Opportunity

## People Living With Narcolepsy in the U.S.



Current Market Size<sup>1</sup>

~\$2.5B 2022

Estimated Total Market Opportunity<sup>2</sup>

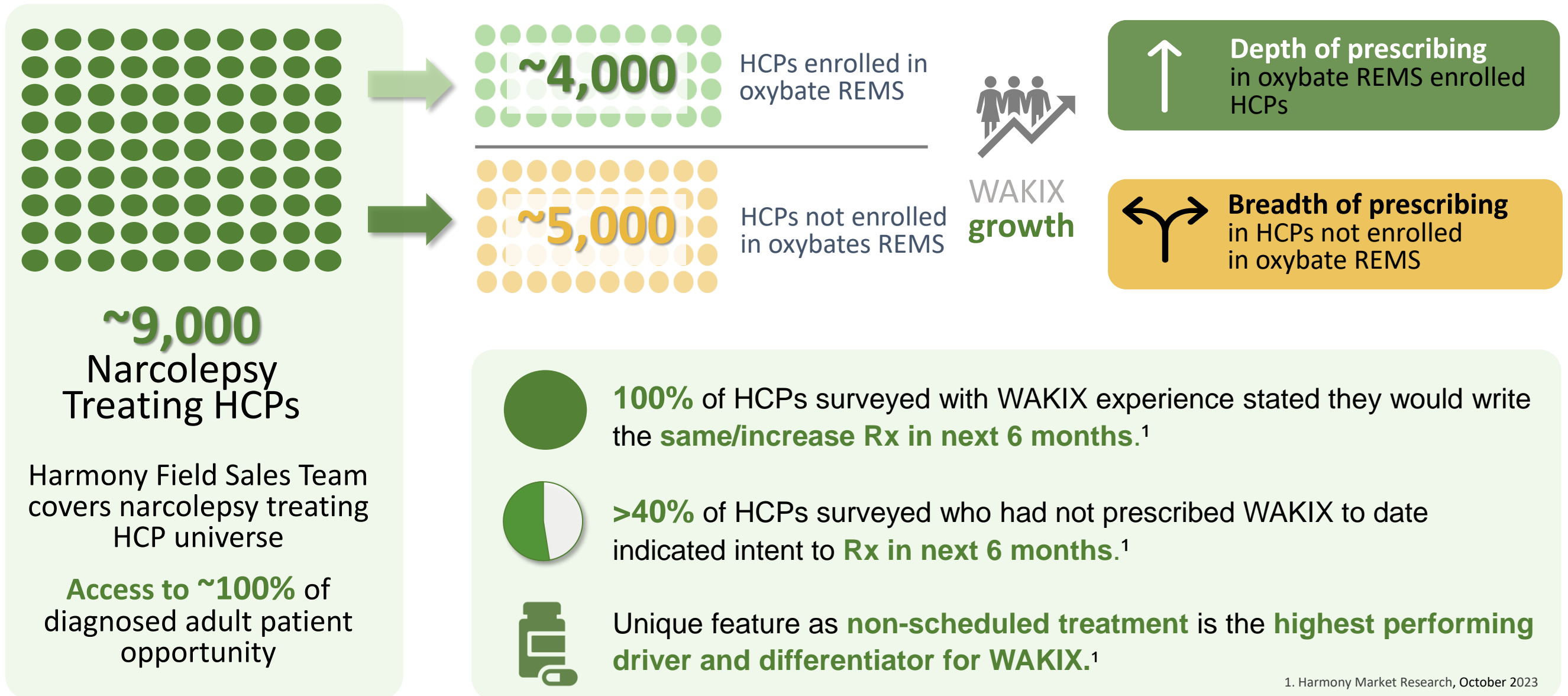
~\$5B by 2030

### Growth Drivers

- Growth in diagnosis rates in recent years
- Introduction of new treatments
- Increased investment in education
- Low satisfaction with traditional treatment options



# Prescriber Dynamics Support Continued WAKIX® Growth in Adult Narcolepsy

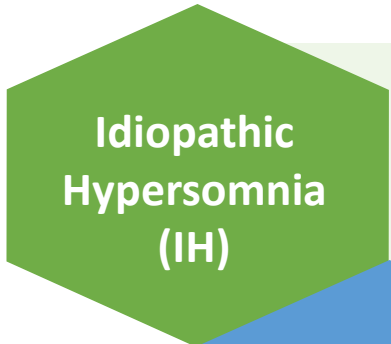
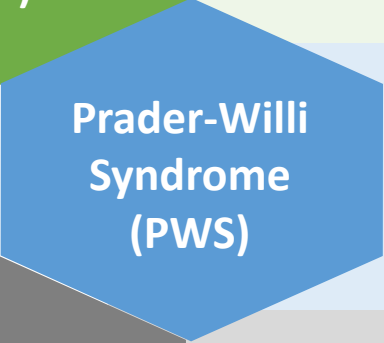
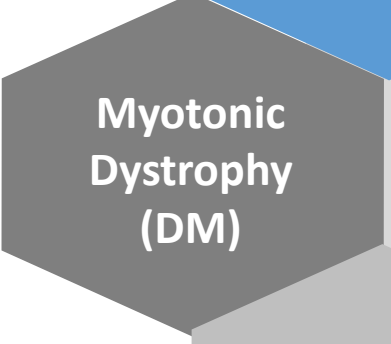
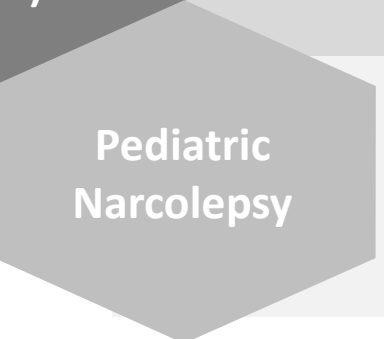


# Development Pipeline: Continues to Grow

Product / Indication	Pre-IND	Phase 1	Phase 2	Phase 3	Regulatory Filing	Marketed Product	Milestone
<b>WAKIX®</b>							
EDS in Narcolepsy (Adults)							
Cataplexy in Narcolepsy (Adults)							
<b>Pitolisant</b>							
Pediatric Narcolepsy <sup>1</sup>							Submitted sNDA 4Q2023
Idiopathic Hypersomnia (IH)							Submitted FDA Meeting Request
Prader-Willi Syndrome (PWS)							Initiate Ph3 Trial 1Q2024
Myotonic Dystrophy (DM)							Positive Topline Data 4Q2023
New Pitolisant Assets							PK Data 1H2024
<b>ZYN-002 (Cannabidiol Gel)</b>							
Fragile X Syndrome (FXS)							Phase 3 Topline Timing Update 1Q2024
22q11.2 Deletion Syndrome (22q)							Phase 3 Prep Ongoing
<b>HBS-102</b>							
PWS							Preclinical POC Data 1H2024

# Advancing our Pitolisant Lifecycle Management Programs

Patient Opportunity Represents >100K Diagnosed Patients

	Data / Proof Point	Patient Opportunity	Catalyst / Timing
 <p>Idiopathic Hypersomnia (IH)</p>	<ul style="list-style-type: none"> <li>83% Responder Rate*</li> <li>9.4 pt. Reduction in EDS as measured by ESS in OLTP</li> </ul>	<p>~40,000 Diagnosed Patients<sup>1</sup></p>	<p>FDA Meeting Request submitted in Q4 23</p> <p>Update Q1 24 Earnings Call</p>
 <p>Prader-Willi Syndrome (PWS)</p>	<ul style="list-style-type: none"> <li>Clinically meaningful improvements seen in EDS and behavioral symptoms</li> </ul>	<p>~20,000 Diagnosed Patients<sup>2</sup></p>	<p>Phase 3 study initiation Q1 24</p> <p>Update Q4 23 Earnings Call</p>
 <p>Myotonic Dystrophy (DM)</p>	<ul style="list-style-type: none"> <li>Clinically meaningful improvements seen in EDS and fatigue symptoms</li> </ul>	<p>~40,000 Diagnosed Patients<sup>3</sup></p>	<p>Review of data ongoing</p> <p>Update in Q2 24</p>
 <p>Pediatric Narcolepsy</p>	<ul style="list-style-type: none"> <li>Positive Phase 3 study</li> <li>Approval in EU for EDS and cataplexy in age 6 and older</li> </ul>	<p>~4,000 Diagnosed Patients</p>	<p>sNDA filed with FDA in Q4 23</p> <p>Update Q4 23 Earnings Call</p>

\*( $\geq 3$  points improvement in ESS) ; OLTP = open label treatment period



# Extending the Pitolisant Franchise With New Formulations

Anticipate Data in First Half of 2024

## Formulation 1

- **Opportunity:** Extend franchise beyond 2040, with potential for new IP and opportunity to explore additional indications
- **Formulation:** Enhanced formulation designed to deliver an optimized PK profile and a higher dosage strength
- **Program:** Full development program
- **Status:** Pilot PK study initiated in Q4 23; data available in 1H 24

## Formulation 2

- **Opportunity:** Fast to market strategy for narcolepsy within WAKIX lifecycle
- **Formulation:** Modified formulation with potential clinical differentiation
- **Program:** Abbreviated development program
- **Status:** Phase 1 PK study initiated in Q4 23; data available in 1H 24

# ZYN-002: Potential New Therapeutic Option For Rare Neuropsychiatric Disorders

- First and only **pharmaceutically-manufactured synthetic cannabidiol**
- Another ***Portfolio in a Product*** opportunity
- **Two late-stage programs**: Phase 3 for Fragile X syndrome and Phase 3 ready for 22q11.2 deletion syndrome
- **Contains no THC**; potential to be non-scheduled
- **Patent protected** permeation-enhanced gel for **transdermal delivery**; benefit over oral cannabidiol products include:
  - Lower incidence of GI side effects (nausea, vomiting, diarrhea)
  - Avoids first pass metabolism
- **Well tolerated** safety profile with over 750 patients treated with ZYN-002 in Phase 2/3 studies for various indications; some patients with exposure to ZYN-002 for over 6 years
- Patent protection through at least **2040** for the treatment of FXS

**RECONNECT**

# Diversifying Our Portfolio Beyond Sleep/Wake

## Fragile X Syndrome (FXS) ~80K U.S. Patients

- Rare neuropsychiatric disorder; leading known cause of inherited intellectual disability and autism spectrum disorder
- Mutation of the FMR1 gene causes endocannabinoid system (ECS) dysregulation
  - Easily identified mutation manifests as multiple CGG repeats on FMR1 (complete methylation usually >200 repeats)
  - Resulting in cognitive, social, and behavioral symptoms
- No FDA approved treatments

## 22q11.2 Deletion Syndrome (22q) ~80K U.S. Patients

- Rare genetic disorder due to microdeletion at q11.2 on chromosome 22
- Midline abnormalities affecting palate, face, heart and other organs; surgically corrected in infancy
- Behavioral symptoms and learning disabilities common
  - Early onset of neuropsychiatric symptoms such as anxiety, social avoidance, disrupts development and quality of life
- No FDA approved treatments



# Disciplined Capital Allocation to Maximize Shareholder Value

PROFITABILITY AND CASH GENERATION PROVIDES  
FINANCIAL STRENGTH AND FLEXIBILITY FOR CAPITAL DEPLOYMENT



## Business Development

- **High priority** to build out pipeline, diversify portfolio, and drive long-term growth
- **Dedicated BD team** and internal capabilities across clinical development, regulatory affairs, commercial launch and execution
- **Focus on rare neurological disease assets** and other rare disease assets with unmet medical needs
- **Preference for late-stage assets** but open to early-stage assets with strategic fit



## Capital Return

- Initiated share repurchase program in August of 2023
- Repurchased **~3.2M** shares of common stock at an aggregate cost of **\$100M** during 2023
- Remaining program authorization of **\$150M**
- Opportunistic approach to **maximize shareholder value**

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Thank You

