



Orphazyme
H1 2020 Results

August 28, 2020

ORPHA **Z** YME

Important notice



This presentation contains forward-looking statements that involve risks and uncertainties. Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based on our current expectations and projections about future events and financial trends that we believe may affect our financial condition, results of operations, business strategy, and financial needs. All statements other than statements of historical facts contained in this presentation, including any statements regarding the ability of our clinical trials to demonstrate acceptable safety and efficacy of our product candidate, and other positive results; the timing, progress and results of clinical trials for our product candidate, including statements regarding the timing of initiation and completion of studies or trials and related preparatory work, the period during which the results of the trials will become available, and our research and development programs; the timing, scope and likelihood of regulatory filings, NDA submissions and approvals, including the rolling submission of a NDA process for arimoclomol for the treatment of NPC and final regulatory approval of arimoclomol; our ability to obtain marketing approvals of our product candidate and to meet existing or future regulatory standards or comply with post-approval requirements; our expectations regarding the potential market size and the size of the patient populations for our product candidate, if approved for commercial use; our expectations regarding the potential advantages of our product candidate over existing therapies; the impact of COVID-19 on our business and operations; our potential to enter into new collaborations; our expectations with regard to our ability to develop additional product candidates or product candidates for other indications our ability to identify additional products, product candidates or technologies with significant commercial potential that are consistent with our commercial objectives; our ability to develop, acquire and advance additional product candidates into, and successfully complete, clinical trials; the initiation, timing, progress and results of our preclinical studies and clinical trials, and our research and development programs; the commercialization and market acceptance of our product candidate; our marketing and manufacturing capabilities; the pricing of and reimbursement for our product candidate; the implementation of our business model and strategic plans for our business and product candidate; regulatory development in the United States, Europe and other jurisdictions; our ability to effectively manage our anticipated growth; our financial performance and projections relating to our competitors and our industry, including competing therapies are forward-looking statements. The words "may," "will," "expect," "anticipate," "aim," "estimate," "intend," "plan," "believe," "is/are likely to," "potential," "continue" and other similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words.

The forward-looking statements in this presentation are only predictions and represent our views as of the date of this presentation. 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. The forward-looking statements are subject to a number of risks, uncertainties and assumptions. Accordingly, readers are cautioned not to place undue reliance on these forward-looking statements. Except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise. No representations or warranties (expressed or implied) are made about the accuracy of any such forward-looking statements. We operate in a very competitive and rapidly changing environment. New risk factors and uncertainties may emerge from time to time, and it is not possible to predict all risk factors and uncertainties nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in, or implied by, any forward-looking statements. In light of these risks, uncertainties and assumptions, the forward-looking events and circumstances described in this presentation may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements contained in this presentation.

Certain information contained in this presentation and statements made orally during this presentation relate to or are based on studies, publications, surveys and other data obtained from third-party sources and Orphazyme's own internal estimates and research. While Orphazyme believes these third-party sources to be reliable as of the date of this presentation, it has not independently verified, and makes no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. While Orphazyme believes its internal research is reliable, such research has not been verified by any independent source. Orphazyme's estimates are derived from publicly available information, management's knowledge of the Orphazyme's industry and management's assumptions based on such information and knowledge, which they believe to be reasonable. This data involves a number of assumptions and limitations which are necessarily subject to a high degree of uncertainty and risk due to a variety of factors.

A person in a wheelchair is silhouetted against a bright sunset. The person is facing right, and the sun is low on the horizon, creating a strong backlight effect. A large white circle is positioned on the left side of the image, containing the text 'Business Review' and 'Kim Stratton, Chief Executive Officer'.

Business Review

Kim Stratton,
Chief Executive Officer

H1 2020 Achievements: Significant progress on key priorities

Advancing arimoclomol in NPC and beyond

- Positive data from Ph 2/3 12-month open-label extension study in NPC
- US Early Access Program in NPC initiated (1st patient treated July)
- Initiated rolling submission of NDA with US FDA (completed July 2020)
- Positive data on clinical endpoints in Ph 2 Gaucher disease trial (liver & spleen size)
- US Fast Track Designation granted in Amyotrophic Lateral Sclerosis
- Joined The Michael J. Fox Foundation's Parkinson's Disease RTC¹ (July 2020)

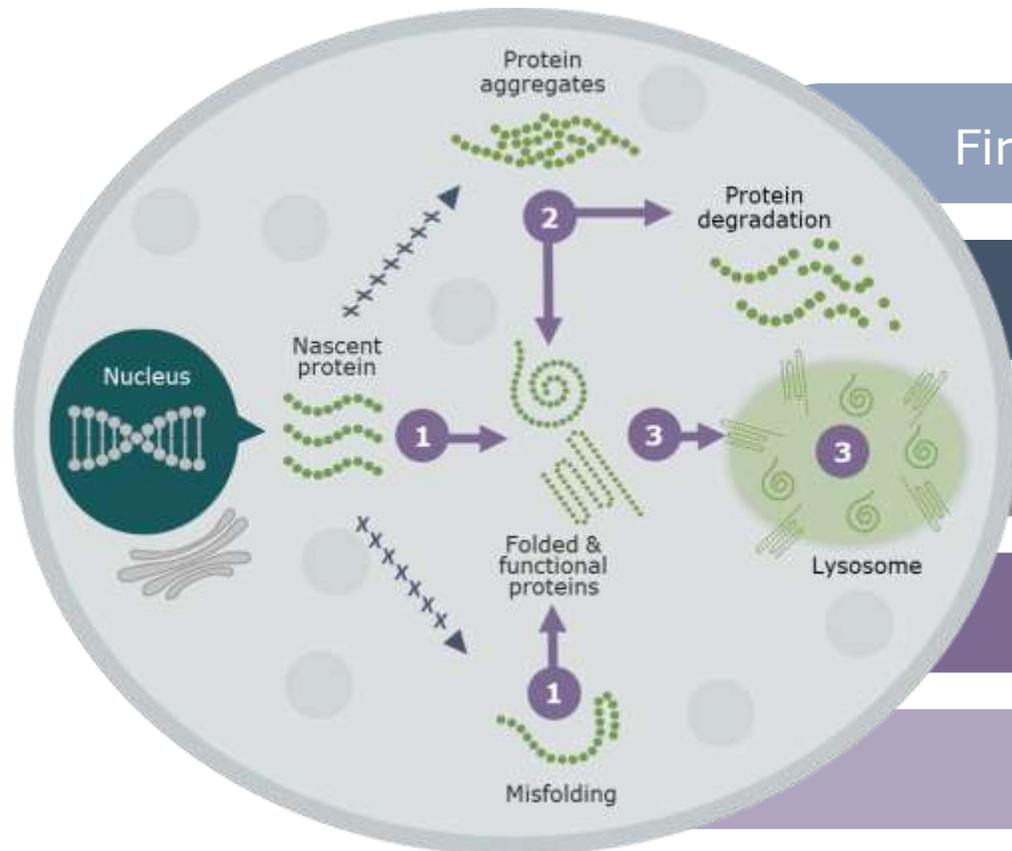
Preparing for launch

- Hired key personnel to continue to build highly specialized commercial sales organization in US and EU in anticipation of potential approval in NPC

Corporate & financial

- Further strengthened balance sheet and expanded shareholder base with directed share issue and private placement raising ~DKK745 million (~USD 110 million)

Arimoclomol: Potential treatment for orphan neurodegenerative diseases



First-in-class[^] heat shock protein (HSP) amplifier

The heat shock response is the body's natural defense to acute cell stress

A small molecule that crosses the blood brain barrier

Exposure in ~500 individuals with no significant safety concerns identified

Easy oral or naso-gastric administration

[^] First clinical product candidate to harness this mechanism of action for the treatment of lysosomal storage diseases and neuromuscular diseases affecting the central nervous system and muscle. Figure shows key HSP70 effects: 1. chaperone nascent and misfolded proteins, ensuring correct folding and function; 2. dissolve protein aggregates, potentially restoring folded and functional proteins, or ensuring removal by facilitating degradation; 3. promote lysosomal function and stabilize lysosomal membrane, preventing cell death.

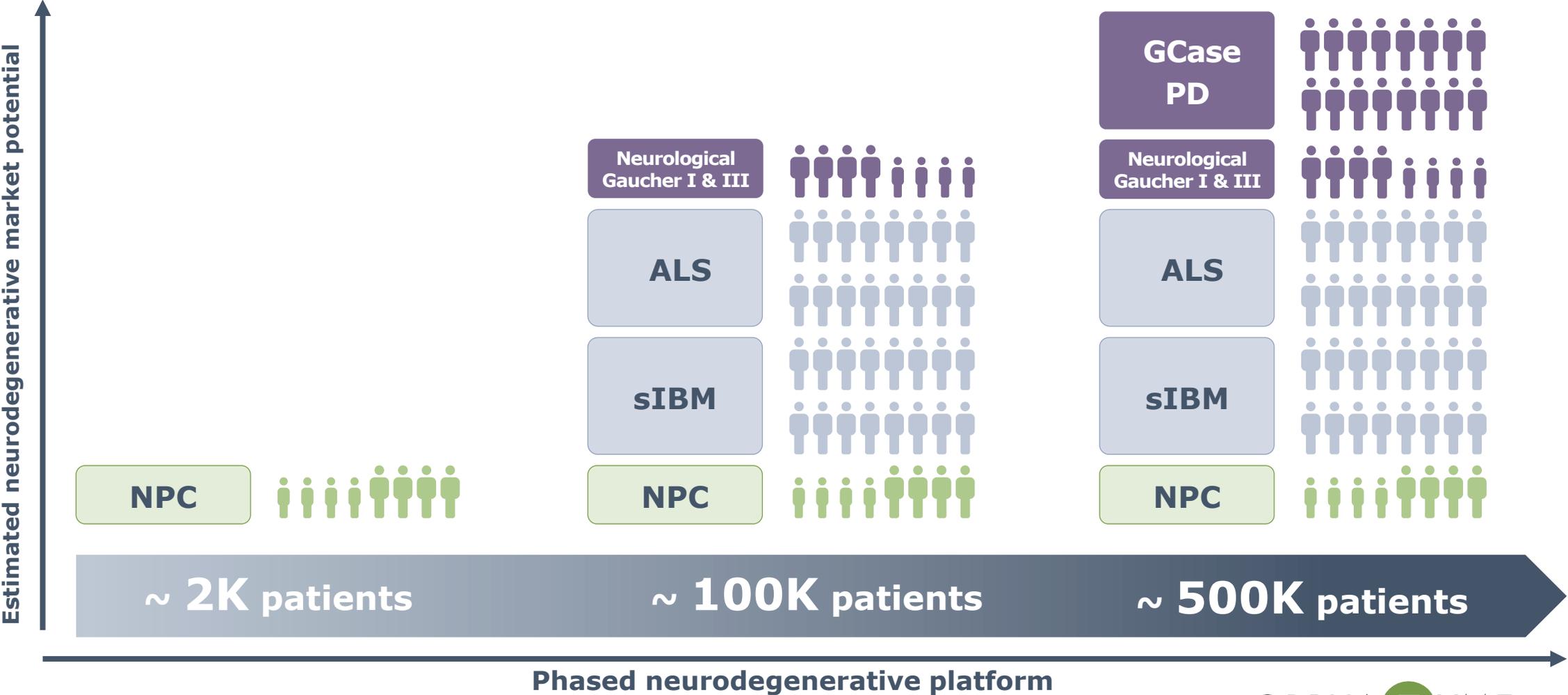
Arimoclomol: Pipeline-in-a-product potential

Rare Pediatric Disease Designation (RPD) in NPC

	Designations			Stage of Development				Key milestones
	Orphan Drug	Fast Track	BTD [†]	PC	Ph 1	Ph 2	Ph 3	
Lysosomal storage diseases								
Niemann-Pick disease Type C [^]	✓	✓	✓	Ph 2/3 (data reported)				Rolling NDA submission completed 07/2020; submit MAA (EU) H2 2020
Neurological Gaucher disease				Ph 2 [‡] (top-line data reported)				
Neuromuscular disorders								
Amyotrophic Lateral Sclerosis	✓	✓		Ph 3 (registrational)				Top-line results H1 2021
Sporadic Inclusion Body Myositis	✓	✓		Ph 2/3 (registrational)				Top-line results H1 2021

6 [^]Early access program in US underway; [†] Breakthrough Therapy Designation; [‡] Type 1 and Type 3 Gaucher disease

Unlocking significant potential in neurodegenerative orphan diseases



7 Notes: Estimated patients represent US and EU combined and figures are rounded.

NPC: a devastating ultra-rare genetic disorder, life-limiting with high unmet need



Substantial impact on patient's and their family's lives

- Progressive lysosomal storage disorder
- Affects ambulation, fine motor skills, swallowing, cognition, speech
- Frequently fatal by the time patients reach their twenties
- Adult-onset NPC increasingly diagnosed; ~50% of diagnosed patients

Lack of treatment options



→ US: no approved therapy



→ EU: generic miglustat only

Attractive ultra-orphan market

- ~1,800 patients US & EU, of which ~1,100 diagnosed
- Managed in ~ 25 – 50 highly specialized centers

Enabling patient access and preparing for a potential US Launch



Market Readiness

NDA submitted
(July '20)

Payer research
on value
communications
and messaging

Distribution/
specialty
pharmacy
partnerships
established

Stakeholder Education

Relationships
with specialist
centers

US Steering
Committees

Medical
education
program

Organizational Readiness

Highly
experienced
team

Leadership &
Head Office roles
filled

Recruitment of
MSLs/ Field
Market Access
and KAMs
underway

Patient Access & Initiatives

Early Access Program
enrolling

Conferences and
awareness initiatives

Objective to seek approval and enable access for patients in EU and ROW



Market Readiness



MAA submission planned H2'20



Market access plan developed



Leverage US/EU authorisations

Stakeholder Education



Advisory Board in Q3 2020



Payer Panel in Q3 2020



Digital awareness initiatives

Organizational Readiness



Appointing General Managers



Supply chain strategy defined



Rare disease expert partners to reach RoW patients

Patient Access & Initiatives



Exploring EAPs in other countries



Conferences and awareness initiatives



May explore EAPs where possible in RoW

A person in a wheelchair is silhouetted against a bright sunset. The person is facing right, and the sun is low on the horizon, creating a strong backlight effect. A large white circle is overlaid on the left side of the image, containing the text 'Financial Review' and 'Anders Vadsholt, Chief Financial Officer'.

Financial Review

Anders Vadsholt,
Chief Financial Officer

Overview H1 2020 financial results



- Operating loss increased to DKK 246 million in H1 2020 vs. DKK 165 million H1 2019
 - R&D: mainly attributed to initiation of 3 clinical pharmacology registration trials and increased number of R&D employees
 - G&A: investment in pre-launch activities including strengthening of US and CH office, medical affairs and admin expenses to support growing organization
- Net loss widened to DKK 251 million (~USD 38 million¹) in H1 2020 vs. DKK 164 million in H1 2019
- Net Loss per share was DKK 9.88² (DKK 8.20 in H1 2019)
- Cash amounted to DKK 610 million (~USD 92 million) at June 30, 2020 vs. DKK 124 million as at December 31, 2019
 - Increase driven by share offering and private placement

H1 2020 represents the period 1 January 2020 to 30 June 2020. Figures are rounded. 1. Figures translated into U.S. dollars at an assumed exchange rate of DKK 6.6360 per \$1.00, which was the rounded official exchange rate of such currencies as of 30 June, 2020; 2. Basic and diluted, based on 25,447,748 weighted-average shares outstanding.

Outlook for 2020

DKK millions	2020
Operating Loss	(500) – (550) ¹
Cash position year end	>300 ²

- Increasing spend on launch preparation activities in the second half of 2020
- Costs associated with on-going clinical development activities

13 1. Operating loss USD (75) – (83) million; 2. cash > USD 45 million. Figures translated into U.S. dollars at an assumed exchange rate of DKK 6.6360 per \$1.00, which was the rounded official exchange rate of such currencies as of 30 June, 2020.

A person in a wheelchair is silhouetted against a bright sunset. The person is facing right, and the sun is low on the horizon, creating a strong backlight effect. A large white circle is positioned on the left side of the image, containing the text. The wheelchair's frame and wheels are visible in the foreground.

Concluding Remarks

Kim Stratton,
Chief Executive Officer

Anticipated milestones over the next 12 months



[†] July 2020; FDA has up to 60 days to determine whether to accept the application for review; if accepted FDA has a goal to make a decision within 6 or 10 months of such acceptance time, based on whether the application is designated priority review or standard review

Late-stage neurodegenerative orphan disease specialist potentially nearing commercialization

Investment Highlights

1

Potential near-term approval & launch of arimoclomol in NPC; NDA submission completed July 2020; submit to EMA H2 2020

2

Two registrational trial readouts expected in H1 2021 in ALS and sIBM

3

Building a highly specialized commercial footprint in US & EU

4

Underpinned by deep scientific expertise in heat-shock proteins and lysosomal biology

5

Strong financial position further improved by DKK 745 million (~\$110M) offering in Feb. 2020; diversified shareholder base



Q&A