

Upstream intervention to address multiple hallmarks of AD

Tackling AD at the roots

Important Notice and Disclaimer

This document has been prepared by Vivoryon Therapeutics N.V. (the “Company” or “We”) strictly only for discussion purposes. This document does not constitute or form part of any offer or invitation to sell or issue, any offer or inducement or invitation or commitment to purchase or subscribe for, or any solicitation of any offer to purchase or subscribe for, any securities in the Company or any other entity. By reviewing this document, you represent that you are able to receive this document without contravention of any legal or regulatory restrictions applicable to you and will not use this information in relation to any investment decision.

This document and its contents may not be reproduced, redistributed, published or passed on, directly or indirectly, to any other person or published, in whole or in part, for any purpose. Failure to comply with these restrictions may constitute a violation of applicable securities laws. By accepting and reading this document, you will be deemed to agree not to disclose, reproduce or otherwise distribute any information contained herein.

Certain information contained in this document has been obtained from published and non-published sources prepared by third parties. While such information is believed to be reliable for the purposes used herein, none of the Company or its affiliates, directors, officers, employees, members, partners, shareholders or agents make any representation or warranty with respect to or assume any responsibility for the accuracy of such information, and such information has not been independently verified by the Company.

Certain statements contained in this document constitute forward-looking statements, estimates, predictions, influences and projections which are subject to risks and uncertainties and may reflect various assumptions, which may or may not prove to be correct. These forward-looking statements include information about possible or assumed future results of the Company’s business, financial condition, results of operations, liquidity, plans and objectives. In particular, the words “anticipate,” “believe,” “could,” “expect,” “should,” “plan,” “intend,” “estimate” and “potential,” or other similar expressions are intended to identify forward-looking statements. Forward-looking statements appear in a number of places in this presentation and include, but are not limited to, statements regarding our intent, belief or current expectations. Forward-looking statements are based on our management’s beliefs and assumptions and on information currently available to our management. Such statements are subject to risks and uncertainties, and actual results may differ materially from those expressed or implied in the forward-looking statements due to of various risk factors and uncertainties including without limitation in relation to: the effectiveness of our main product candidate, and our ability to commercialize it if the regulatory approval is obtained; our ability to explore benefits of combination therapies between our product candidates and other products; our ability to compete and conduct our business in the future; our ability to overcome the challenges posed by the COVID-19 pandemic to the conduct of our business; our ability to expend our limited resources and to obtain funding for our operations necessary to complete further development and commercialization of our product candidates; the timing of and our ability to obtain and maintain regulatory approval for our product candidates; the initiation, timing, progress, results, and cost of our research and development programs and our current and future preclinical studies and clinical trials, 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. Moreover, we operate in an evolving environment. Thus, new risk factors and uncertainties emerge from time to time and it is not possible for our management 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 any forward-looking statements. We qualify all of our forward-looking statements by these cautionary statements.

Forward-looking statements speak only as of the date they are made, and we do not undertake any obligation to update them in light of new information or future developments or to release publicly any revisions to these statements in order to reflect later events or circumstances or to reflect the occurrence of unanticipated events or otherwise, except as required by applicable law.



Vivoryon is Uniquely Positioned to Improve Health Outcome in Patients with Early Alzheimer's Disease



Unique First-in-Class Approach

Stops production of neurotoxic N3pE-amyloid

- ◆ **Validated MOA:** small molecule targeting all key hallmarks of AD (amyloid, tau, neuroinflammation)
- ◆ **Avoids mAb constraints:** ARIA, imaging, infusions, costs
- ◆ **Large addressable market:** worldwide ~55m people living with dementia, of which estimated 60-70% is AD



Robust Development Program

Phase 2 studies progressing well

- ◆ **VIVIAD (EU):** Fully recruited (259 pts), ~82 weeks of treatment, final topline data readout: during end of Q1/2024
- ◆ **VIVA-MIND (US):** recent DSMB decision for 600 mg BID - same dose as VIVIAD with faster titration



Proven Team of Innovators

Strong discovery and development

- ◆ **Management:** track record of bringing multiple innovative drugs to market
- ◆ **Healthy runway:** cash through key value generating milestones into H2/2024
- ◆ **Leader** in oral QPCT/L inhibitor small molecule development



Seasoned Executive Team Equipped with Expertise in Drug Development

EXECUTIVE DIRECTORS



Frank Weber, MD
Chief Executive Officer / Chief Medical Officer



Michael Schaeffer, PhD
Chief Business Officer



Florian Schmid
Chief Financial Officer¹



Anne Doering, CFA
Chief Strategy & Investor Relations Officer²



NON-EXECUTIVE DIRECTORS

Erich Platzer, MD, PhD
Chairman of the Board

Kugan Sathiyandarajah
Vice-Chairman & Chair Compensation Committee

Prof. Morten Asser Karsdal
MSc, PhD, mMBA

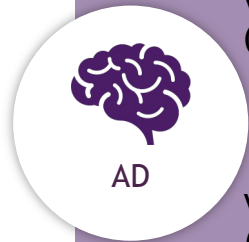
Charlotte Lohmann
Chair Nomination & Corporate Governance Committee

Claudia Riedl, PhD
Chair Audit Committee

Samir Shah, MD
Chair IR Committee



Multiple Inflection Points for Lead Asset Varoglutamstat, Research Activities Provide Further Opportunities for Future Growth



Program	Approach	Discovery	Preclinical	Phase 1	Phase 2a	Phase 2b	Phase 3	Status
Varoglutamstat (PQ912)	SMI QPCT/L	<p>VIVIAD: Ph2b in EU VIVA-MIND: Ph2a/b in US</p>						<p>VIVIAD: Fully recruited; Final readout during end Q1/24</p> <p>VIVA-MIND: Treatment duration of 72 weeks</p>
Varoglutamstat (SIM0408, PQ912)	SMI QPCT/L	<p>CTA approval in China</p>						<p>Partnered with Simcere in Greater China; Clinical development in preparation</p>

RESEARCH ACTIVITIES: increased activity with positive VIVIAD results

AD	NCE	SMI QPCT/L						Pre-IND; Exploring second generation programs in AD
	PBD-C06	mAb N3pE amyloid						Pre-IND; Partnered with Simcere in Greater China
Multiple disease areas	NCE	SMI QPCTL						Pre-IND
Fibrosis	NCE	SMI Meprin						Pre-IND



AD Landscape: Growing Incidence Rate and High Disease Burden on Patient Care Ecosystem

~55 Million Worldwide Living with Dementia¹

AD is the most common form of dementia and may contribute to 60-70% of cases¹

An estimated 6.7 million Americans are living with AD²

~\$1.3 Trillion Economic Burden from Dementia³

50% attributable to care by informal carer who provides on average, 5 hours of care per day⁴

More than 11 million Americans provide unpaid care for a family member or friend with dementia, a contribution to the nation valued at nearly \$340B²

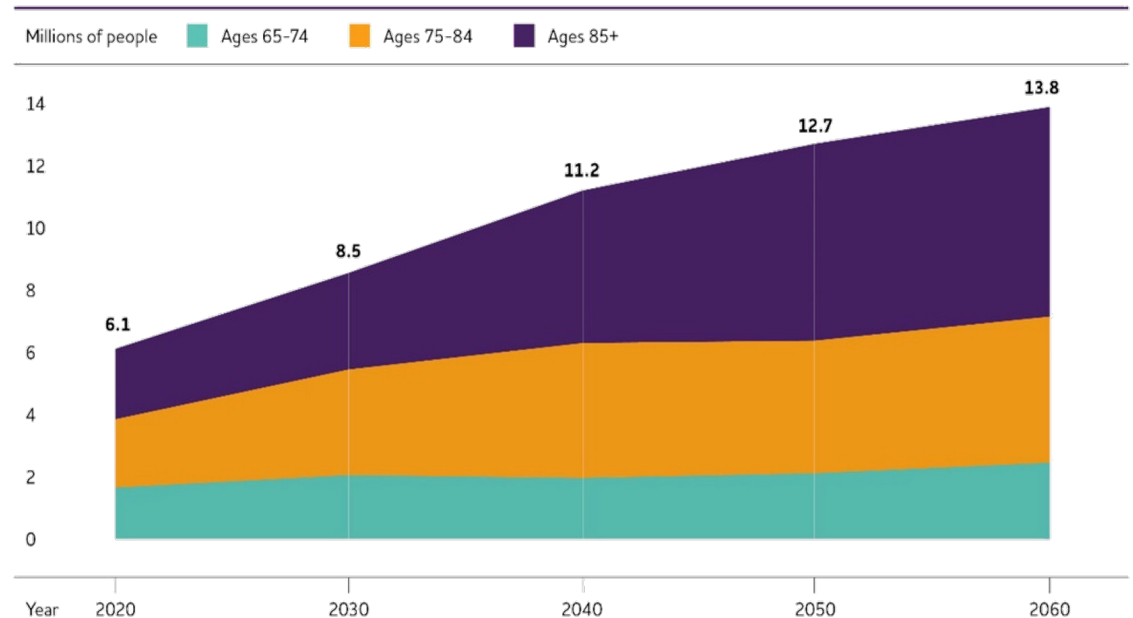
Early AD Represents Significant Unmet Need

Each year, an estimated 10 in every 100,000 individuals develop early onset dementia⁵

Early-onset affects people under the age of 65

Although there is no known cure, early diagnosis and treatment can lead to better quality of life⁶

Projected number of people age 65 and older (total and by age) in the U.S. population with Alzheimer's dementia, 2020 to 2060²



Created from data from Rajan et al.³



Despite Recent AD Treatment Successes Early AD Unmet Need Remains High

Unmet Need Remains High for Early AD Patients

- Improved safety and higher efficacy in early (MCI) patients
- Robust efficacy in more progressive/advanced mild AD patients with elevated tau levels
- Avoidance of ARIAs (H+E)
- Convenient administration and no infusion-related reactions

Varoglutamstat Has Potential to Fill the Gaps

- Potential for higher safety and better efficacy compared to SOC
- Novel MOA to address efficacy gap (tau pathology downstream of pE-Abeta synthesis)
- Favorable safety profile established with no evidence of ARIAs in clinical setting
- Oral small-molecule that can be taken in outpatient setting

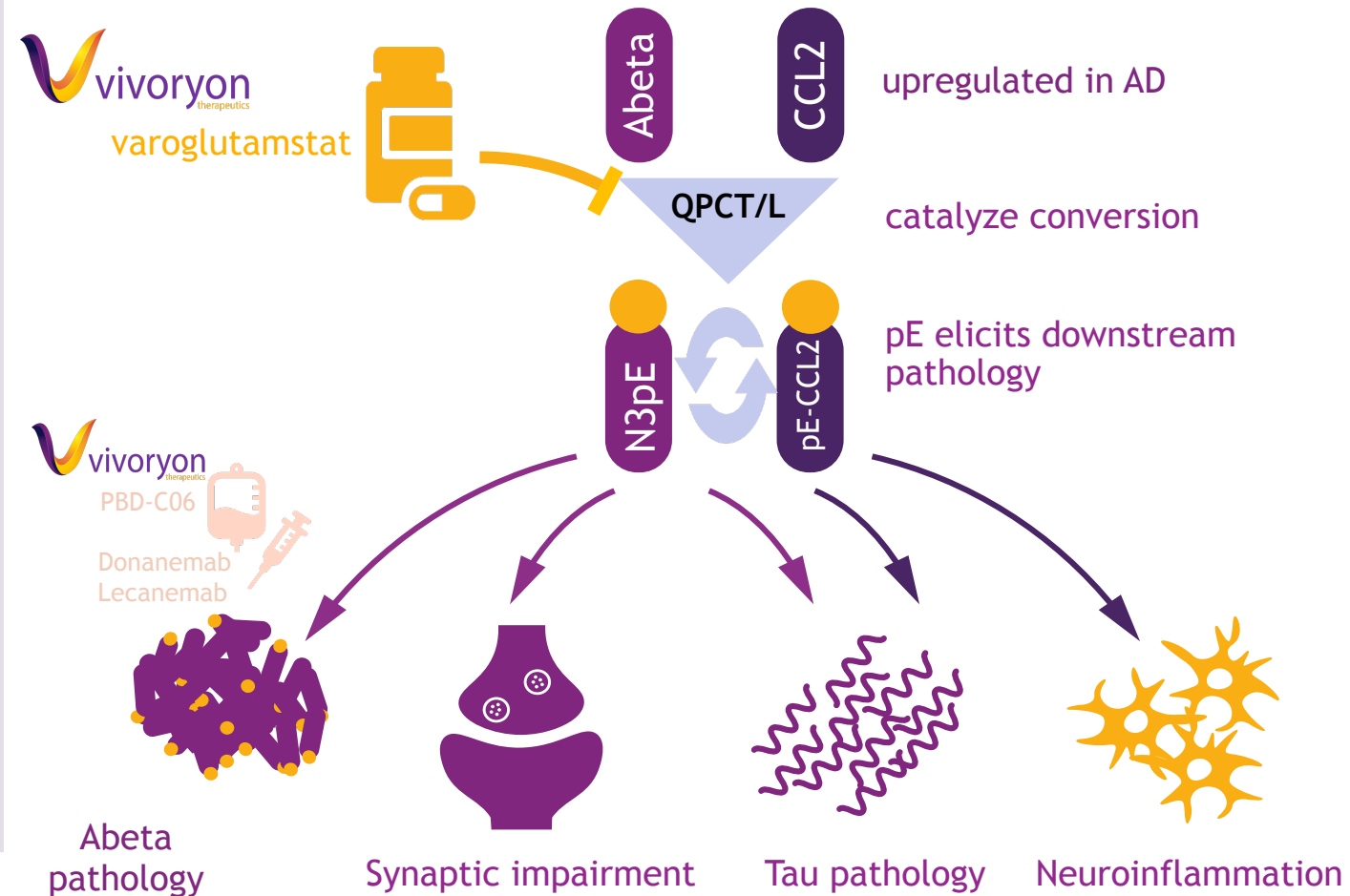


Our Lead Product Candidate, Varoglutamstat, Targets Multiple Key Hallmarks of Alzheimer's Disease Early in Pathological Process

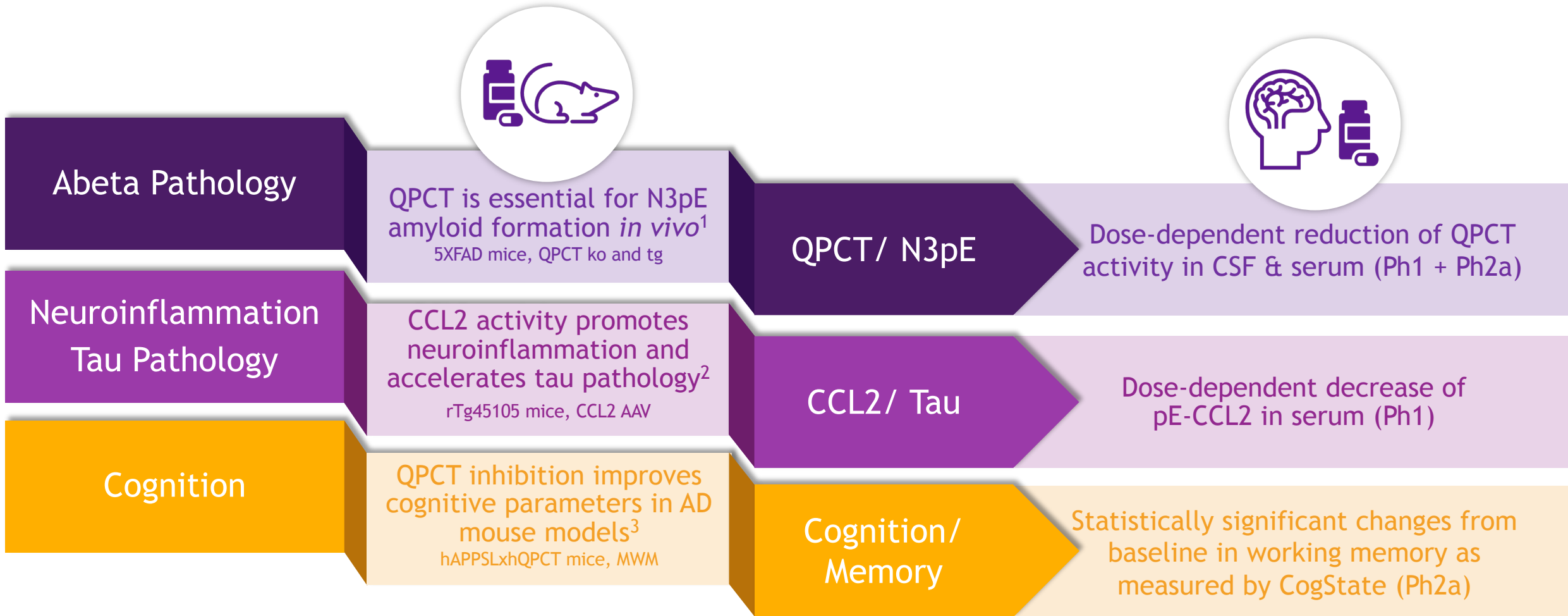
ROLE OF QPCT/L IN AD PATHOLOGY

- ◆ Increased activity of glutaminyl cyclase (QPCT) is associated with AD pathology in humans¹
- ◆ QPCT catalyzes formation of neurotoxic N3pE-Abeta- which is not found in healthy individuals. ^{2,3}
- ◆ Varoglutamstat efficiently inhibits QPCT, thus targeting N3pE-Abeta monomer formation and all of its aggregation states⁴
- ◆ Varoglutamstat also efficiently inhibits QPCTL (isoform of QPCT) leading to decreased neuro-inflammation by attenuating CCL2 activity⁵
- ◆ Low MMSE scores correlate with high N3pE-Abeta, high QPCT levels, high pE-CCL2 and high QPCTL levels in AD patients^{3,5}
- ◆ QPCT/L activity is the key driver of a pathologic cycle involving neuroinflammation, pE-CCL2 and N3pE-Abeta⁵

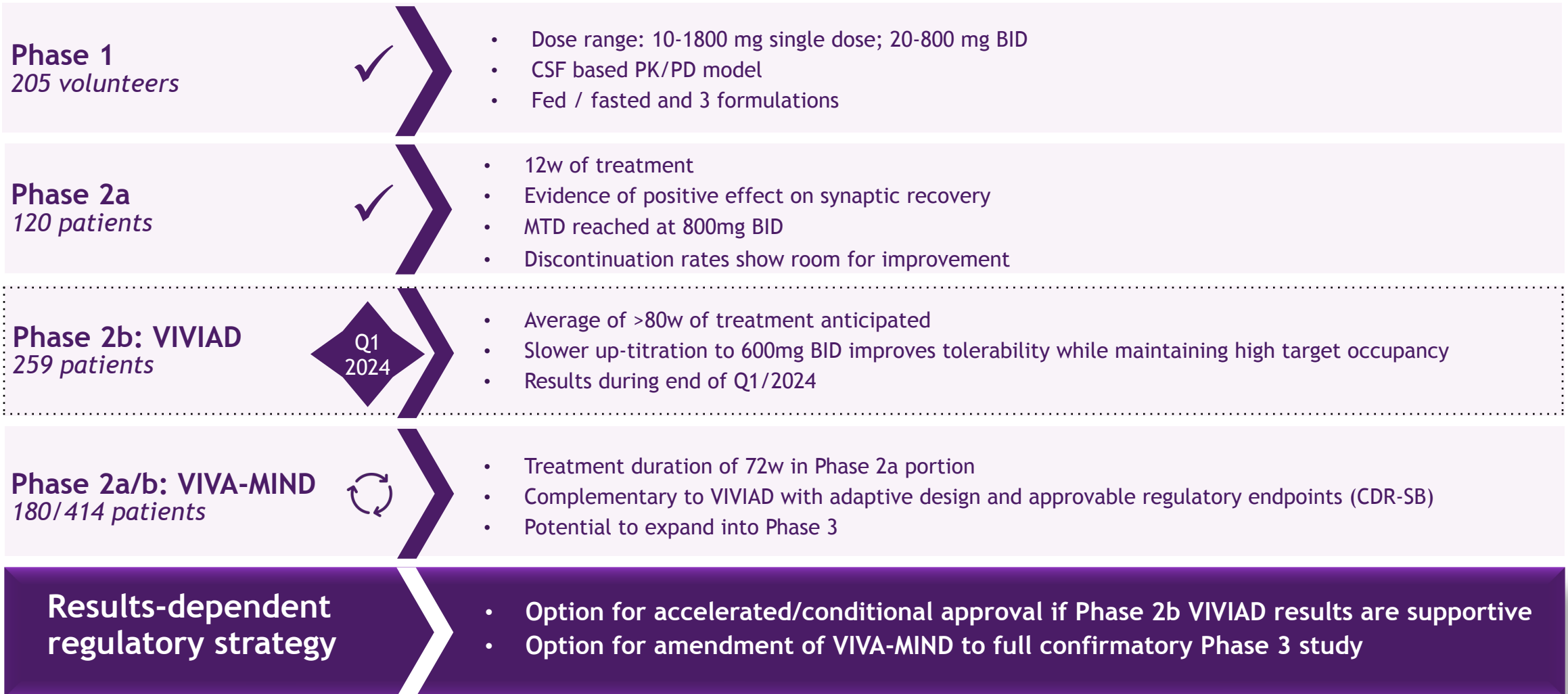
VAROGLUTAMSTAT TARGETS AD PATHOGENESIS EARLY-ON



Translating *In Vivo* Evidence for Relevance of QPCT/L Inhibition into Human AD

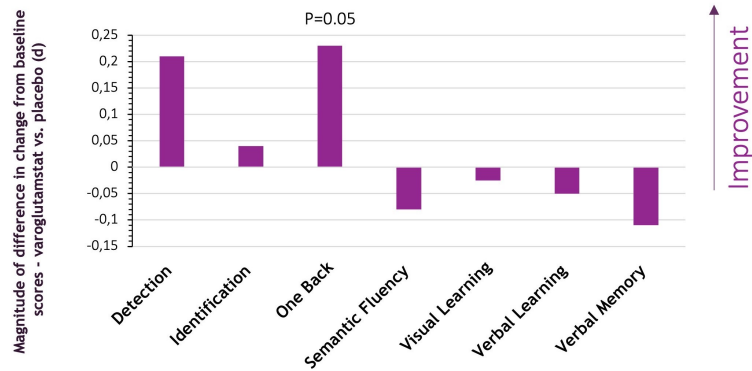


Building Comprehensive Robust Clinical Evidence Including Well-designed and Well-powered Placebo-controlled Phase 2b Program



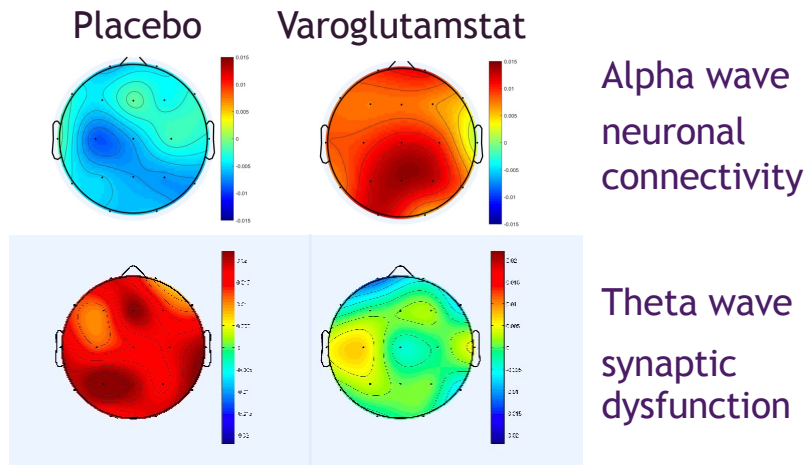
Completed Phase 2a SAPHIR Study Provides Evidence of Significant Changes in Working Memory and Synaptic Recovery after only 12 Weeks of Treatment

Significant Changes in Working Memory¹



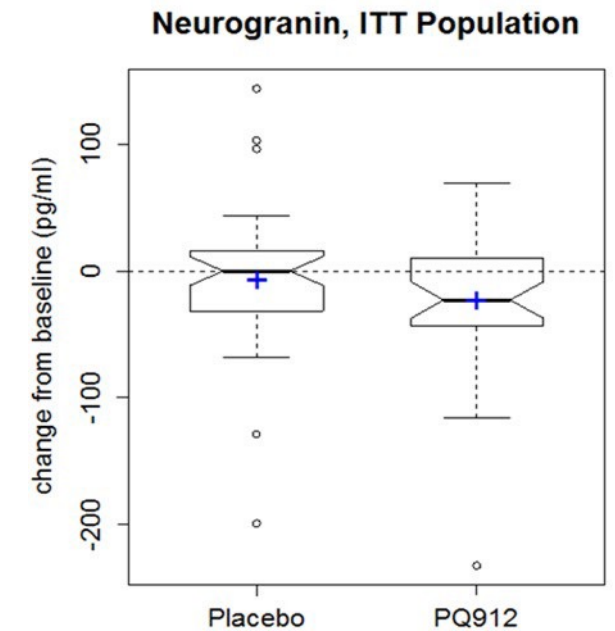
- Statistically significant changes from baseline in working memory (One Back Test, $p = 0.05$, $d = 0.23$, ITT) in AD patients after 12 weeks of treatment

Recovery EEG Synaptic Activity^{1,2}

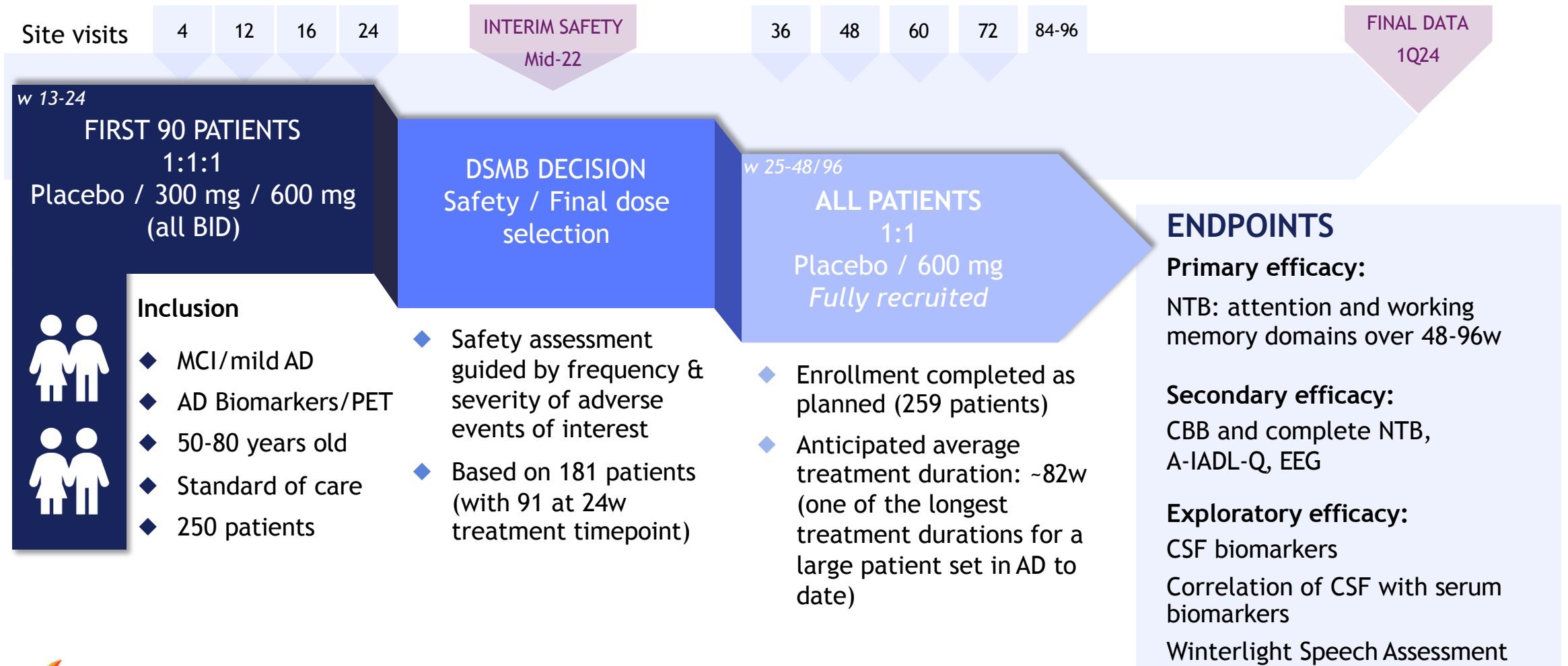


- Significant ($p=0.002$, ITT and PP) decrease in theta power
- Post hoc analysis of alpha wave: significant increase on connectivity - amplitude envelope correlation (AEC) $p=0.025$

Reduction of Neuronal Injury Biomarker¹



VIVIAD Phase 2b European Study Assesses Safety, Tolerability and Efficacy of Varoglutamstat in Patients with MCI and Mild AD^{1,2}



VIVIAD Phase 2b: Inclusion Criteria Enabled Precision Recruitment

Recruiting the right patients with early AD is a critical success factor for VIVIAD

BASIC REQUIREMENT:

- ◆ Mandatory for inclusion: all patients had low Abeta and high p-tau CSF values (Elecsys/Roche)

RETHINKING MCI ASSESSMENT:

- ◆ Precision recruitment of individuals with at least minimal cognitive impairment by using the WAIS IV inclusion criterion (at least half a standard deviation worse than age and education matched healthy population)

➤ Study population exactly represents early AD population

	N	Mean	Median	SD	Value
Age	259	68,44	70	7,40	63 to 74
MMSE total score - V1	259	24,51	25	2,73	22 to 27
WAIS-IV total score - V1	259	27,75	28	12,36	19 to 37

VIVIAD Update: Discontinuation Rates are Favorable and Comparably Low

Metric	<u>Varoglutamstat</u> VIVIAD (blinded)	<u>Lecanemab</u> CLARITY AD (placebo/active)	<u>Donanemab</u> TRAILBLAZER ALZ 2 combined tau (placebo/active)
# of patients	259	1,734	1,736
Duration	~78 weeks*	72 weeks	76 weeks
Total Discontinuations	12.7%*	15.6% / 18.8%	19.7% / 26.9%
Discontinuations due to AE	3.5%*	2.9% / 6.9%	2.4% / 5.8%

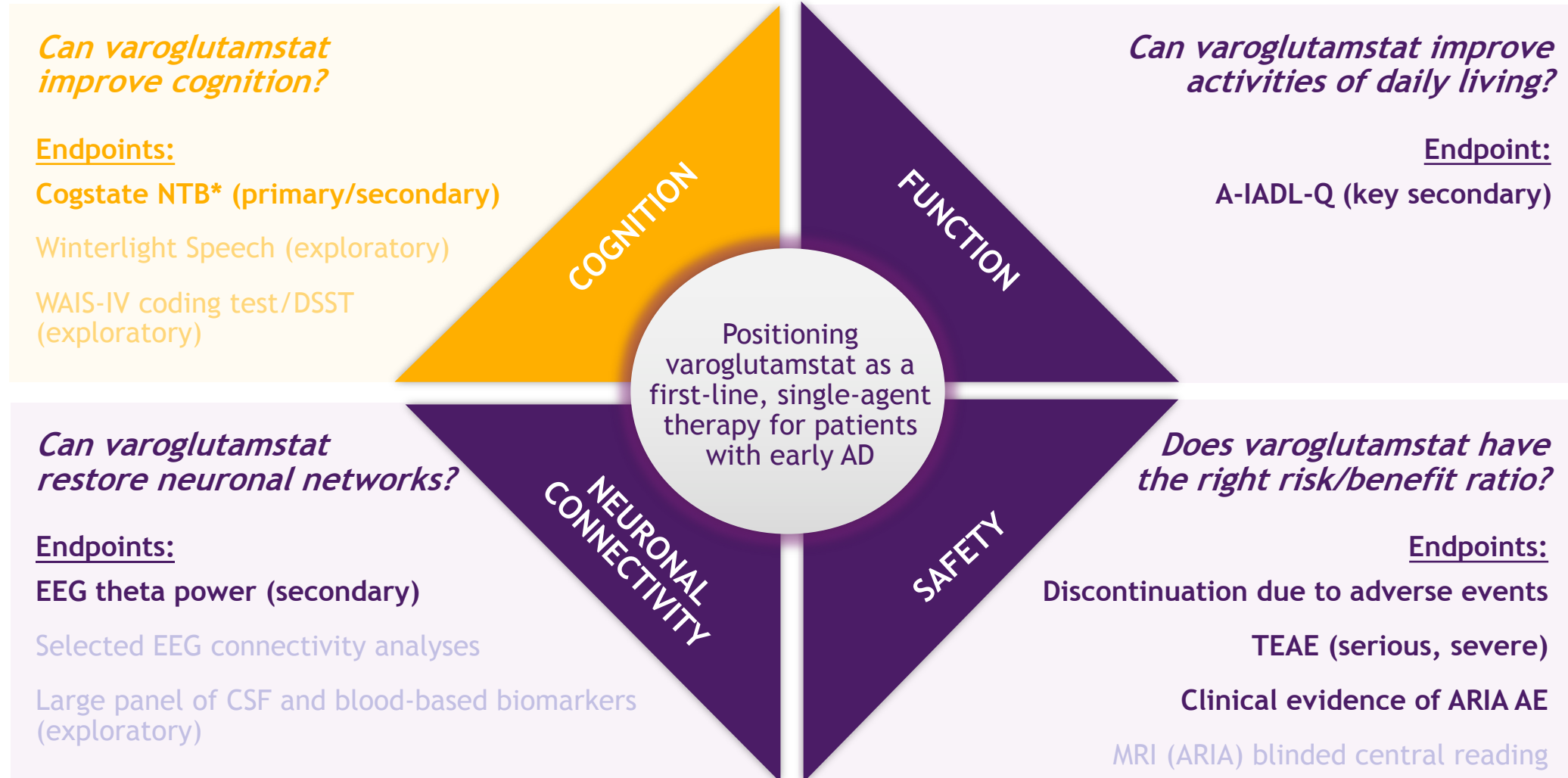
Observations:

- ◆ Total number of discontinuations remains low in VIVIAD throughout the study at <13%* (blinded data)
- ◆ Safety update at recent data cut-off confirms low number of discontinuations due to AEs in VIVIAD throughout the study at <4%* (blinded data)
- ◆ Studies are of comparable treatment duration



Delivering Key Results Through Well-Designed VIVIAD Study

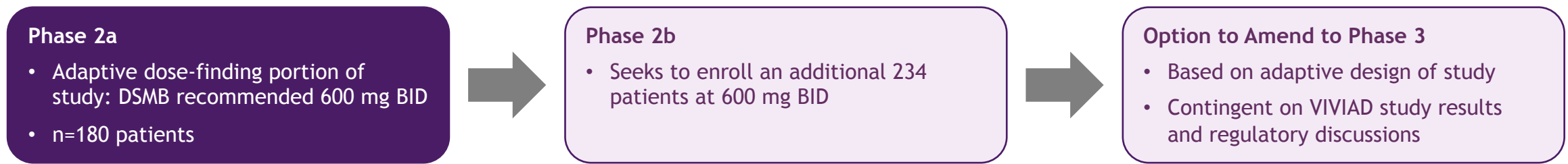
Primary and comprehensive secondary endpoints data package in Q1/24



VIVA-MIND Update: Recent DSMB Decision Leads to Progress and Enables Further Study Design Flexibility

- ❖ Ongoing Phase 2 study running in parallel to VIVIAD to provide clear picture of cognitive changes and support Vivoryon’s regulatory strategy
- ❖ Adaptive study design involving titration, futility and expanded efficacy evaluation following VIVIAD

600 mg 2x daily | Treatment duration = 72 weeks | 1:1 Randomization



Primary Endpoint:

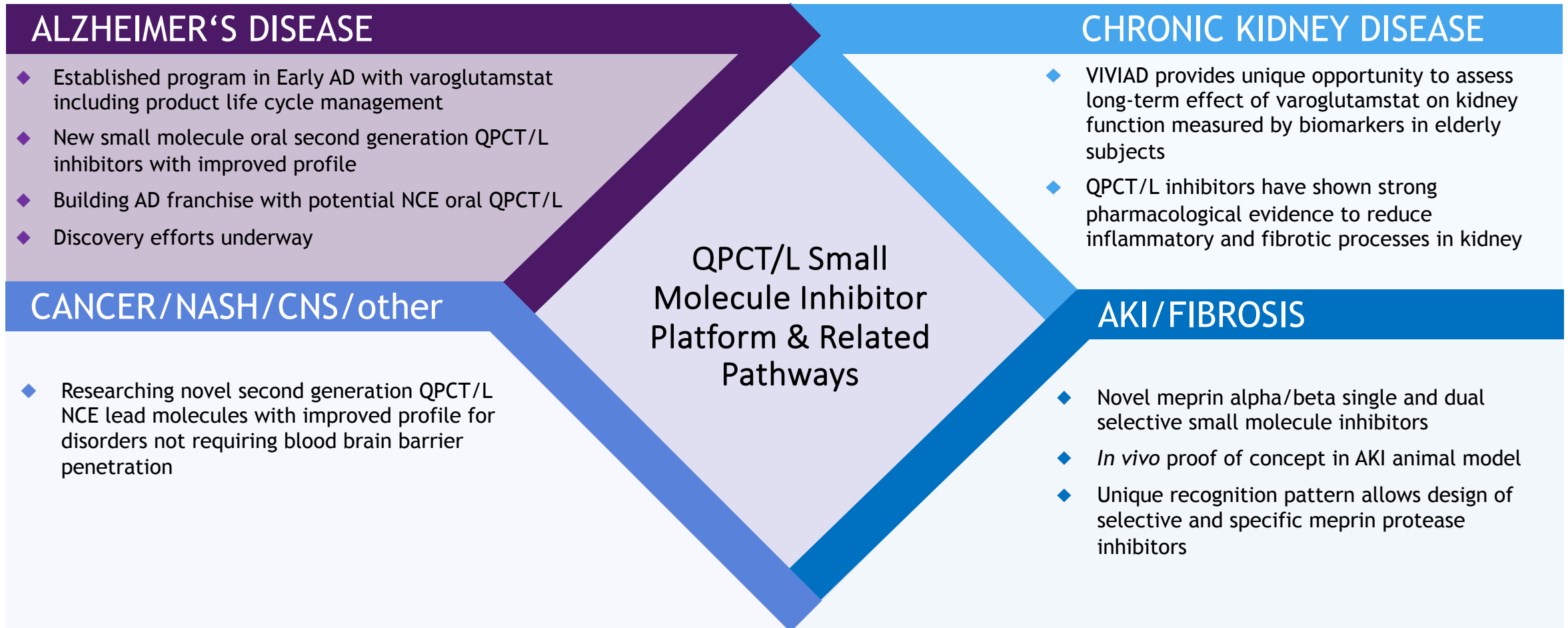
- Clinical dementia rating scale - sum of boxes (CDR-SB)

Key Secondary Endpoints:

- ABC score
- Quantitative EEG-relative theta wave power
- FAQ (Functional Activities Questionnaire)
- Alzheimer’s Disease Assessment Scale-Cognitive Subscale (ADAS-Cog-13)
- Neuropsychiatric Inventory



Leveraging Core Expertise in QPCT/L Oral Small Molecule Inhibitors to Generate Multiple Avenues of Addressing Unmet Need



Core Asset Varoglutamstat Well-Positioned to be a Leader in QPCT/L for Early AD, Future Opportunities Build on AD and Go Beyond



Aiming for first line single agent treatment of patients with early AD

- ◆ Only product in late-stage development addressing neurotoxic N3pE-Abeta formation¹
- ◆ Not limited to clearing existing plaques
- ◆ Well-tolerated
- ◆ No signs of product related ARIA in clinical setting
- ◆ Convenient oral administration
- ◆ Maintaining synaptic and neuronal functionality



VIVIAD learnings to inform future opportunities in AD and additional indications

- ◆ Varoglutamstat future opportunities:
 - ◆ Expand target patient population to capture asymptomatic and moderate AD patients
 - ◆ Combination with / follow-on to mAbs in AD
 - ◆ Development in Greater China with Simcere
- ◆ Unveiled growth strategy with activities to further advance broader pipeline of discovery-stage QPCT/L inhibitors and related pathways



Multiple value-generating catalysts ahead

- ◆ VIVIAD European Phase 2b final topline results during end of Q1/2024
- ◆ Continue recruitment of VIVA-MIND at 600 mg twice daily post recent DSMB decision
- ◆ End of Phase 2 meeting with FDA planned for H2/2024 leveraging VIVIAD data





Vivoryon Therapeutics N.V.

Halle (Saale)
Weinbergweg 22
06120 Halle (Saale)
Germany

Munich
Franz-Josef-Delonge-Str. 5
81249 München
Germany

info@vivoryon.com
+49 (0)345 555 99 00

www.vivoryon.com