

THE 2019 FULL YEAR RESULTS & OUTLOOK 2020

Halle (Saale)/Munich, March 26, 2020

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WELCOME TO VIVORYON THERAPEUTICS

- TODAY ON THE CALL -



Dr. Ulrich Dauer
Chief Executive Officer

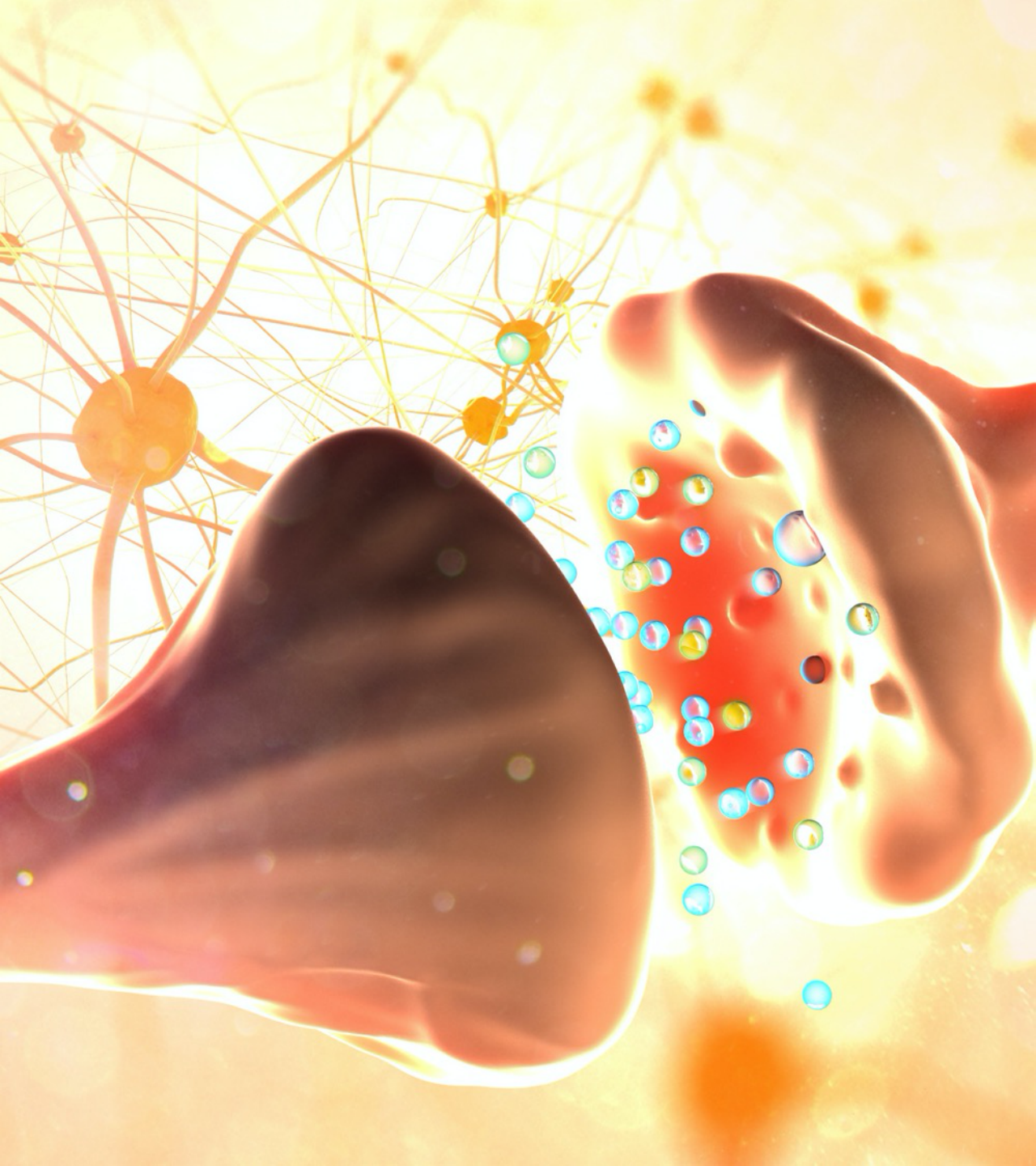
Dr. Michael Schaeffer
Chief Business Officer





AGENDA

- 01 HIGHLIGHTS IN 2019
- 02 PORTFOLIO
- 03 FINANCIALS 2019
- 04 OUTLOOK
- 05 Q&A



01 HIGHLIGHTS IN 2019

HIGHLIGHTS 2019

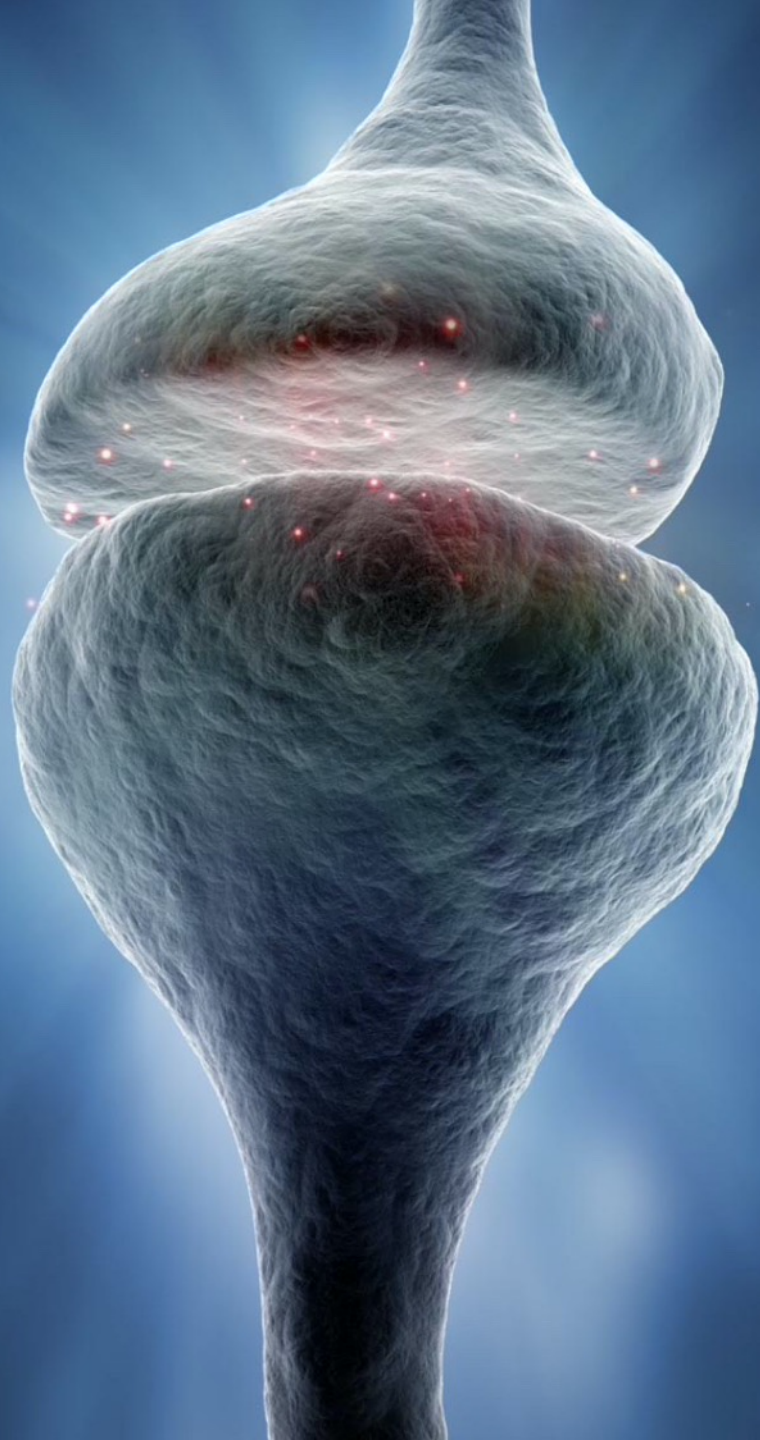
Highlights

- NIH grant awarded of 15 mill USD
- Successful capital increases with new strategic investors
 - in April with 8.2 mill. EUR and
 - in October 43 mill. EUR
- Probiodrug AG becoming Vivoryon Therapeutics AG
- Option Agreement with MorphoSys AG

Post-Period

- Nordic Bioscience and Vivoryon Therapeutics entered an agreement to collaborate for the clinical development of PQ912 for Alzheimer's Disease (AD)
- Update on European Phase 2b Alzheimer's clinical trial, VIVIAD





02 PORTFOLIO

GROWTH TRAJECTORY BEYOND AD

Phase 2b ready
lead asset in
Alzheimer's disease



- Building on strong safety package and first sign of improvement of cognition
- Well-informed Phase 2b trial could lead to results in 2022 in Europe and potential conditional approval by 2024

Further upside from
partnered oncology
program

morphosys

- Generated EUR 15m upfront equity commitment
- News flow expected from execution of the exclusive option

Opportunity to
monetize IP portfolio



- Proven mode of action of QPCT/L inhibitors attracts potential partners
- Broad patent portfolio with global coverage on technology platform

What if all of us get a chance to age healthy...?



ALZHEIMER'S REPRESENTS THE LARGEST UNMET MEDICAL NEED IN HEALTHCARE

11% of elderly is estimated to get Alzheimer's

Global AD healthcare costs are ~\$1 trillion/year

Only 4 Alzheimer's drugs are approved, which are only treating symptoms

There are 50m AD patients globally of which 5.5m in the US and 8m in the EU

\$290bn total cost estimation in 2019 of which \$195 paid by Medicare and Medicaid, which is 20% of the Medicare budget

0 disease modifying treatments are on the market

The number of AD patients is expected to 2x in 2040

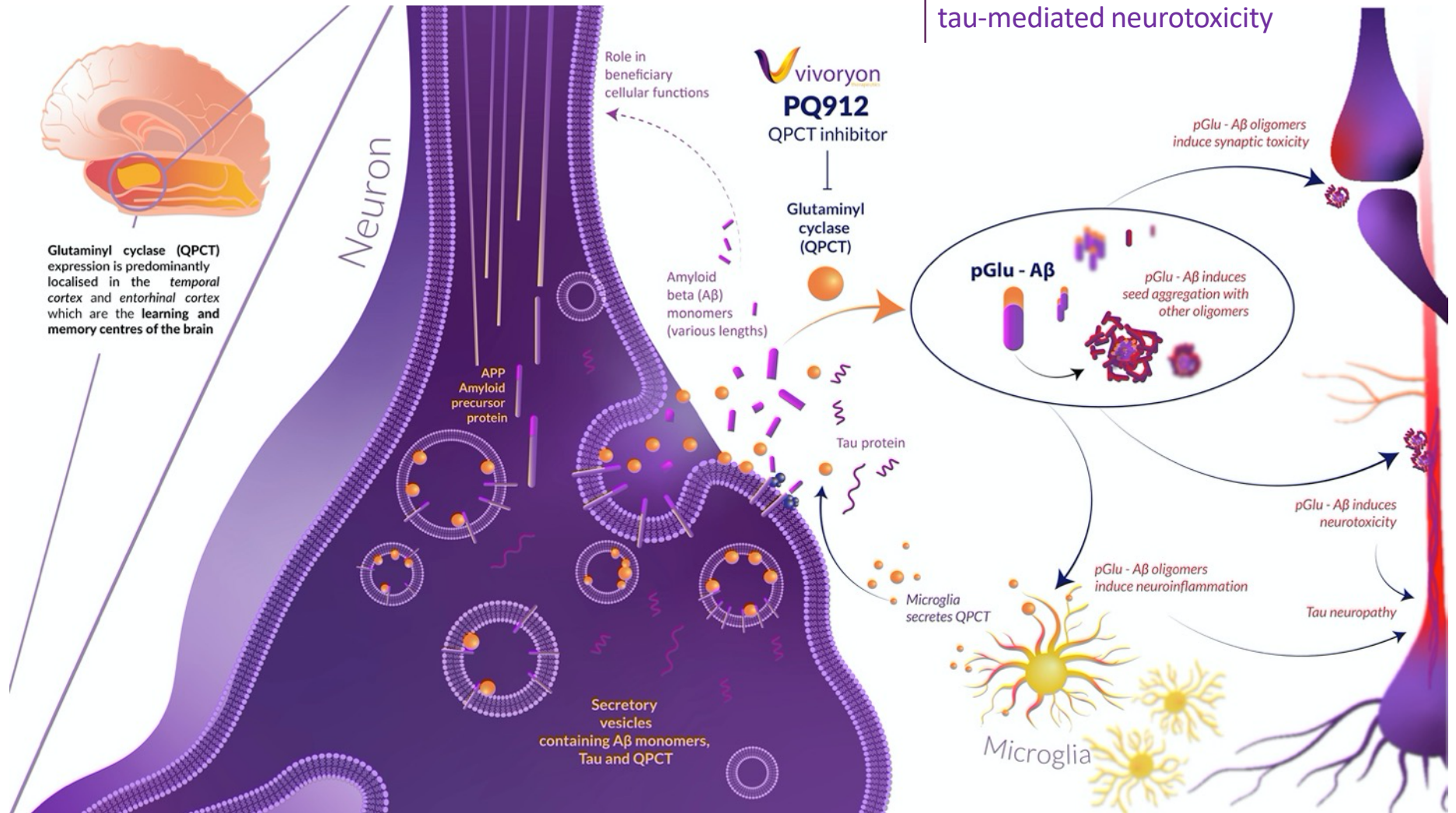
Average onset is between 60-70 years with average death 5-10 years after diagnosis

Alzheimer's is the 5th leading cause of death worldwide with 3m annual deaths



PQ912 A FIRST-IN-CLASS QPCT INHIBITOR TARGETING COGNITION

Toxic pGlu species drive multiple AD-associated pathways, including oligomer aggregation, neuro-inflammation and tau-mediated neurotoxicity






A EUROPEAN PHASE 2B STUDY IN AD

Advancing disease modifying treatment and non-invasive diagnostics of Alzheimers disease

Phase 2b design

- Multicenter (10 sites) 
- Randomized, double-blind, placebo-controlled
- Dose escalation up to 600 mg
- Treatment duration min of 48w up to 96w
- Prof. Philip Scheltens as Coordinating Investigator

Objectives

- Primary:
 - Safety for Dose Selection
 - Efficacy of PQ912 on working memory & attention
- Secondary:
 - Brain activity (EEG)
 - Cognition
 - Activity of daily living (A-IADL)

Exploratory Endpoints

- Cognition by DSTT
- Language derived cognition by Winterlight speech assessment (WLA)
- Functional neuronal network activity and connectivity (EEG)
- Biomarkers measured in CSF, plasma, and serum



US PHASE 2B

Phase 2b design with similar endpoints

- Randomized placebo controlled
- Dose escalation up to 600 mg
- MMSE 20-30
- CSF amyloid positive
- Primary endpoint: cognitive function

NIH grant of USD 15m supports US trial

probi^odrug

ALZHEIMER'S DISEASE
ADCS
COOPERATIVE STUDY



National Institutes
of Health

Probi^odrug and Alzheimer's Disease Cooperative Study (ADCS) Receive 15 Million USD National Institutes of Health (NIH) Grant for U.S. Phase 2b Core Program for PQ912

Study to Evaluate Safety and Efficacy of Drug Seeking to Treat Those with Mild Cognitive Impairment or Mild Dementia

Parameter	US Phase 2b has a treatment duration of 78 weeks
Principal investigator	Prof. Dr. Feldman, San Diego
Patients / Clinical sites	462 / 55
Treatment duration	78w
Primary endpoint	Cognitive function as measured by CDR SOB
Patient flow	<p>Patient recruitment</p> <p>Patient follow-up</p> <p>Results</p> <p>Q3 2020</p> <p>Q2 2022</p> <p>Q4 2023</p> <p>Q1 2024</p>



PARTNER MORPHOSYS WILL DRIVE ONCOLOGY

Exclusive option agreement on PQ912 and QPCTL platform in oncology

EUR 15m commitment in the ongoing rights issue:

- Commitment in the rights issue of up to EUR 15m, regardless of option exercise
- Acquisition of exclusive option to license QPCTL inhibitors for use in oncology

Upfront, milestone and royalty payments if the option is exercised:

- During the option period MorphoSys will conduct preclinical studies
- Vivoryon retains rights to develop the compounds in AD and other indications

Augmenting efficacy of Tafasitamab and other anti-tumor antibodies:

- FDA breakthrough designation Tafasitamab (MOR208) is a monoclonal antibody against CD19, expressed on B-cell related blood cancers:
- Diffuse large B cell lymphoma (DLBCL) – Approval process
- Chronic lymphocytic leukemia (CLL) – Phase 2 ongoing



MorphoSys and Vivoryon Therapeutics Enter Agreement on Small Molecule Inhibitors of CD47-SIRP alpha Signaling in Immuno-Oncology

HALLE (SAALE) and PLANEGG/MUNICH, Germany, 8 July 2019: Vivoryon Therapeutics AG (Euronext Amsterdam: VVY) and MorphoSys AG (FSE: MOR; Prime Standard Segment; MDAX & TecDAX; Nasdaq: MOR) today announced that they have entered into an agreement under the terms of which MorphoSys has obtained an exclusive option to license Vivoryon's small molecule QPCTL inhibitors in the field of oncology. The option covers worldwide development and commercialization for cancer of Vivoryon's family of inhibitors of the glutaminy-peptide cyclotransferase-like (QPCTL) protein, including its lead compound PQ912. In exchange, MorphoSys has committed to investing up to EUR 15 million in a minority stake in Vivoryon Therapeutics as part of a capital raise planned for later this year.



VIVORYON'S GLUTAMINYL CYCLASE PLATFORM IS UNIQUELY POSITIONED IN IMMUNO-ONCOLOGY

Glutaminyl cyclase inhibitors have beneficial properties for IO

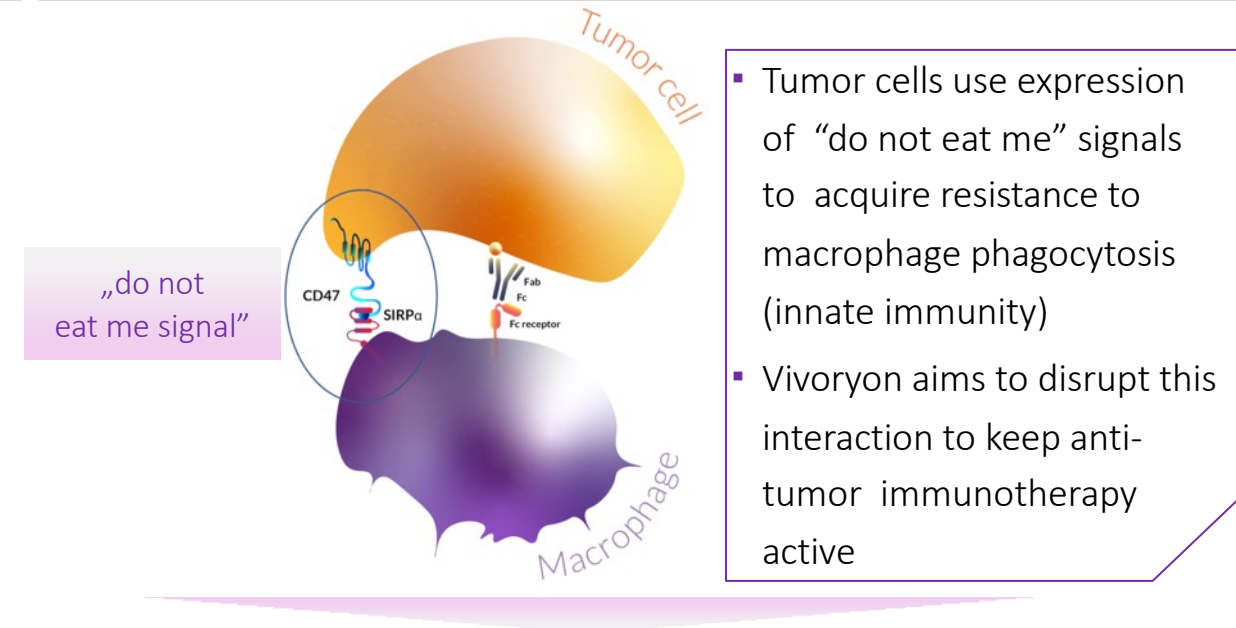
Vivoryon owns first-in-class QPCTL small molecule inhibitor platform:

- QPCTL have improved tumor penetration and targeting due to small molecule based compounds
- Small molecule approach circumvents antibody sink problem caused by red blood cells
- Extended patent portfolio including both composition of matter and indication coverage with expirations beyond 2034

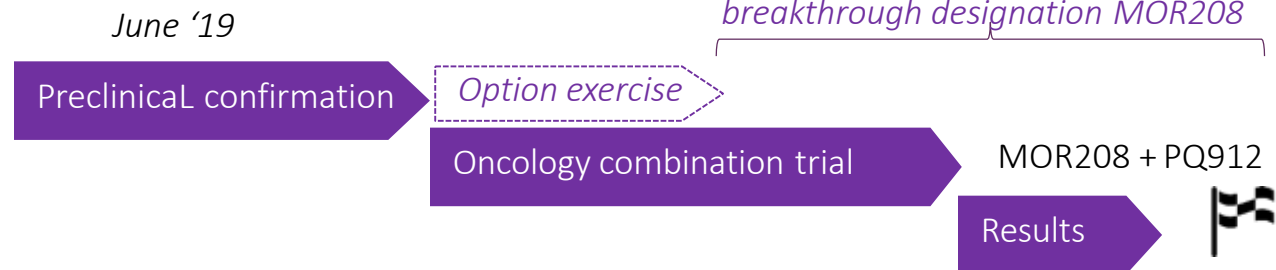
Results demonstrate potential upside in oncology:

- Lead compound PQ912 did not induce anemia and is well tolerated in young and elderly
- Compounds showed in vivo (monkey) plasma target occupancy (QPCTL) over 80%

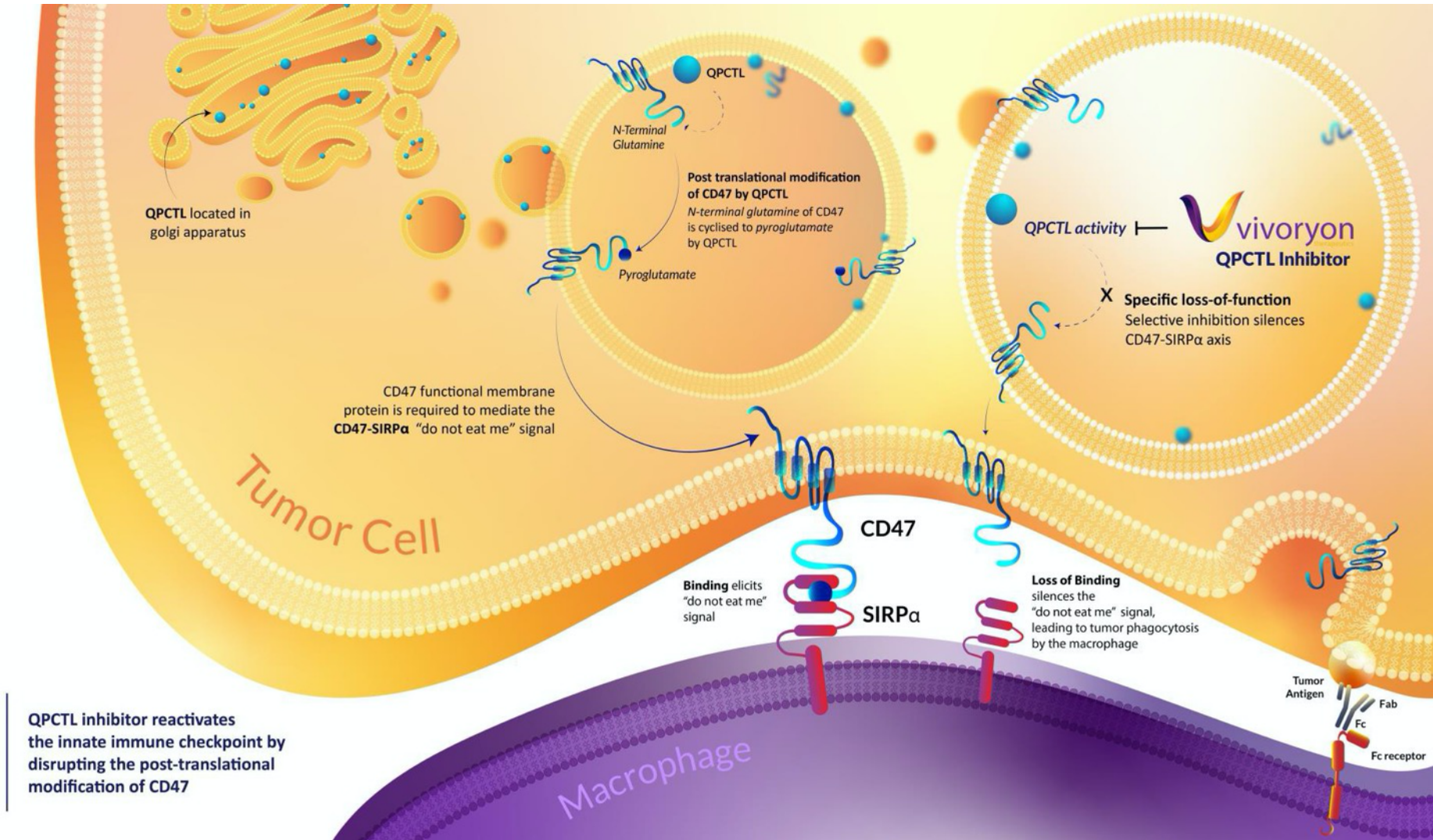
PQ912 blocks tumor escape and resensitizes tumors



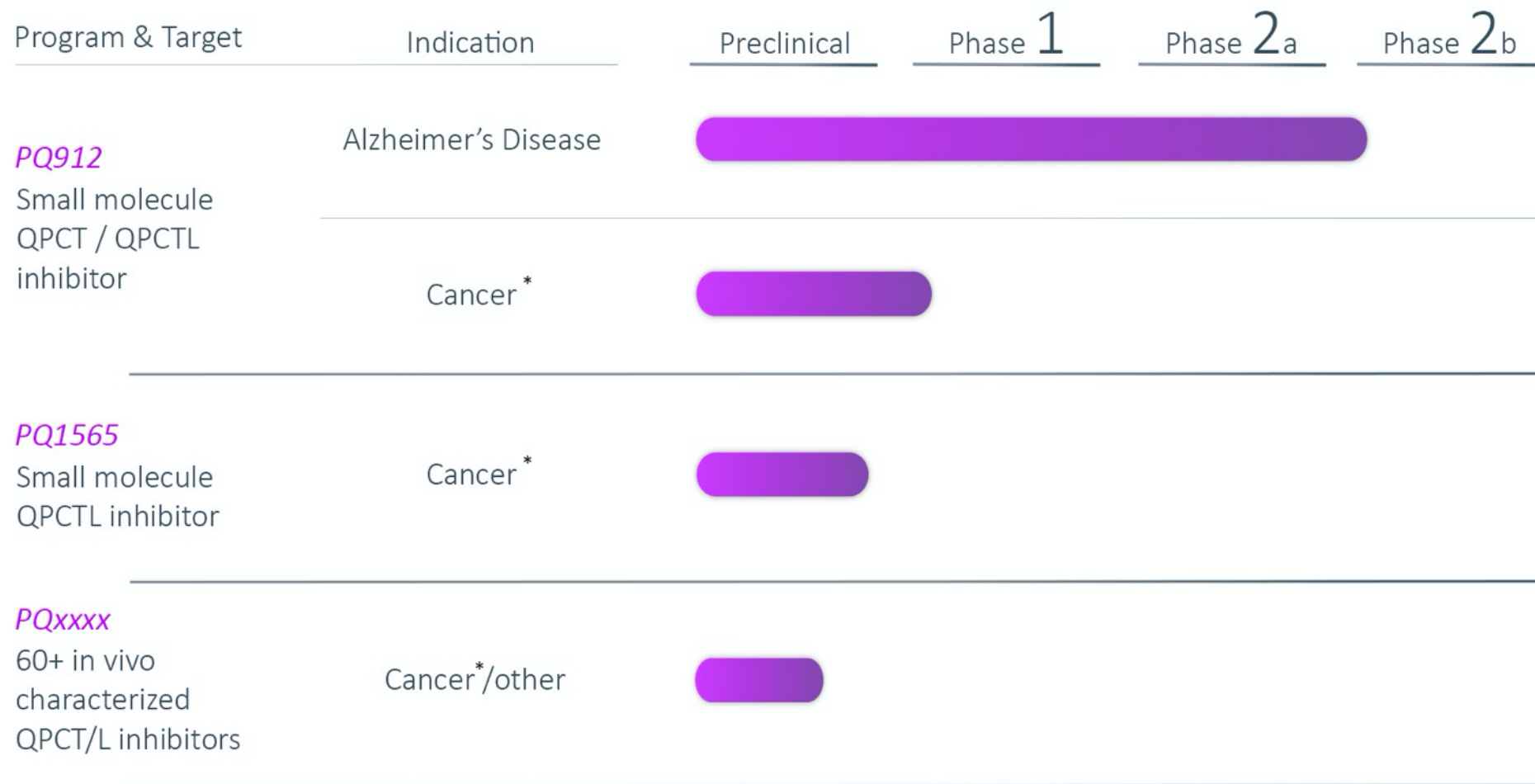
Accelerated path to market due to FDA breakthrough designation MOR208



DIFFERENTIATED MODE OF ACTION OF QPCTL INHIBITORS IN ONCOLOGY



VIVORYON'S FIRST-IN-CLASS DRUG PIPELINE



*exclusive licensing option given to MorphoSys AG, 2019





03 FINANCIALS 2019

CAPITAL INCREASE



probiodrug

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Probiodrug raises EUR 8.2 million from investors in successful private placement of new shares

- Capital increase of its share capital by issuing 4,093,367 new shares at a purchase price of EUR 2 per new share
- Consortium of strategic investors led by Claus Christiansen, founder and chairman of Nordic Bioscience invests EUR 6.2 million

HALLE (SAALE), Germany, 9 April 2019 – Probiodrug AG (Euronext Amsterdam: PBD, ISIN: DE0007921835, the “Company”) announced that its management board with the consent of the supervisory board resolved today to increase its share capital from EUR 8,208,009 by EUR 4,093,367 to EUR 12,301,376 by issuing 4,093,367 new shares (“New Shares”) against cash contributions, representing 50% of its existing share capital. The New Shares will be issued from the Company’s authorized capital, where the pre-emptive rights of the Company’s existing shareholders are excluded in accordance with the articles of association of the Company.

 **vivoryon**
therapeutics

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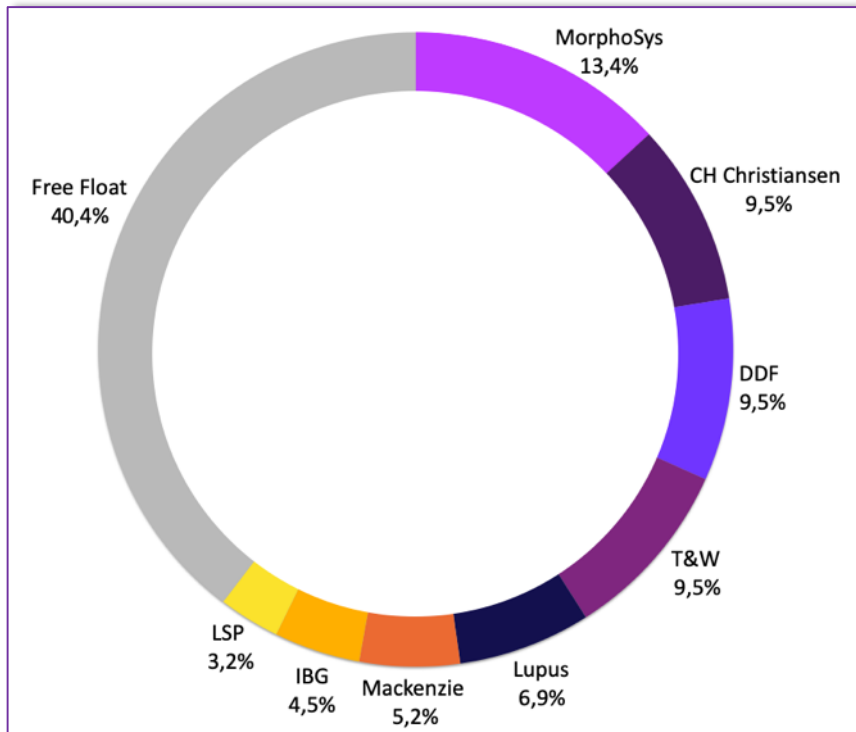
Vivoryon Therapeutics AG Successfully Completes a EUR 43 Million Capital Raise

HALLE (SAALE), Germany, 24 October 2019 – Vivoryon Therapeutics AG (Euronext Amsterdam: VVY, ISIN: DE0007921835, “Vivoryon” or the “Company”) today announced that it has successfully raised capital of approximately EUR 43 million via a rights offering to existing shareholders and a private placement to selected qualified investors in Europe (together the “Offering”). Vivoryon will issue a total number of 7,674,106 new ordinary bearer shares, each with a notional value of EUR 1.00 and full dividend rights from 1 January 2019 (the “New Shares”), at the offer price of EUR 5.61 per New Share (the “Offer Price”). The proceeds from the Offering will be used and are expected to be sufficient to fully finance the European Phase 2b clinical study with the Company’s



SHAREHOLDERS AND STOCK

Shareholder structure¹



Stock

ISIN: DE0007921835

WKN: 792183

Ticker symbol: VVY

Types of shares: Bearer shares

Number of shares 19,975,482

Stock exchange: Euronext Amsterdam /
Xetra Frankfurt

Liquidity provider: Kempen & Co.

Listing agent: Kempen & Co.

First trading day: 27 October 2014

52 week high/low € 7.81 / € 1.29

Share Price

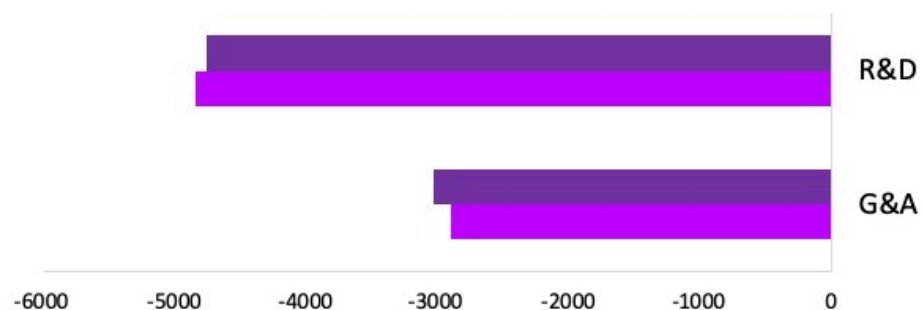


KEY FINANCIAL HIGHLIGHTS (P&L): ACCORDING TO IFRS

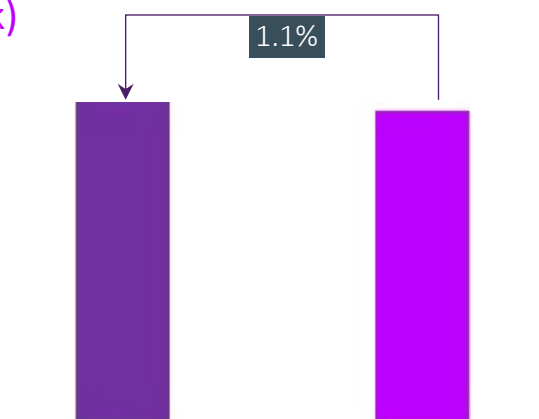
IN €k

	2019	2018	%
Research and development expenses	-4,751	-4,836	-1,8
General and administrative expenses	-3,023	-2,891	4,6
Other operating income	59	29	103,4
Operating loss	-7,715	-7,698	0,2
Finance income	0	2	-
Finance expenses	-108	-41	163,4
Net loss for period	-7,823	-7,737	1,1

OPERATING LOSS (€k)



NET LOSS (€k)



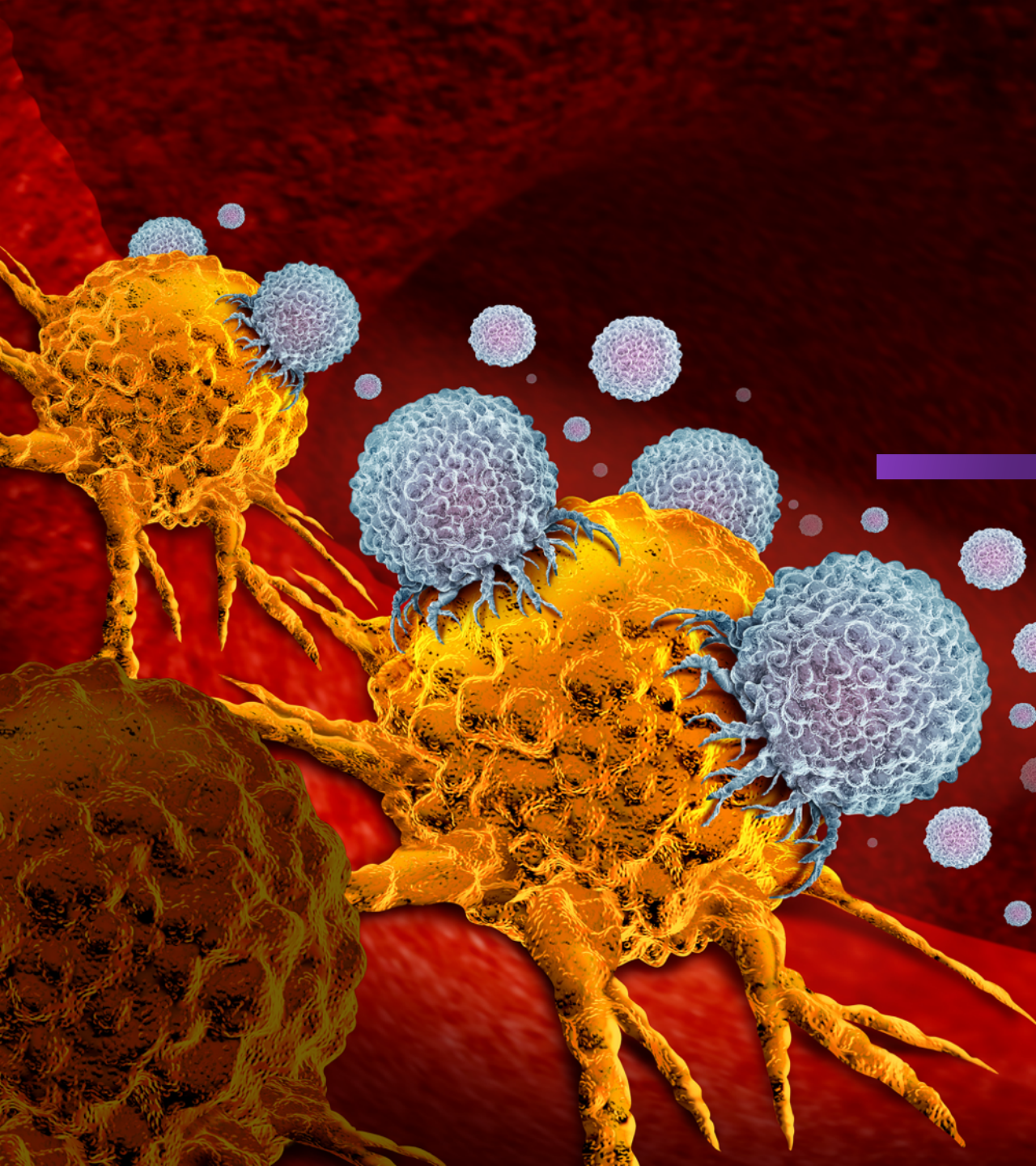
■ 2019 ■ 2018



KEY FINANCIAL FIGURES (ACCORDING TO IFRS)

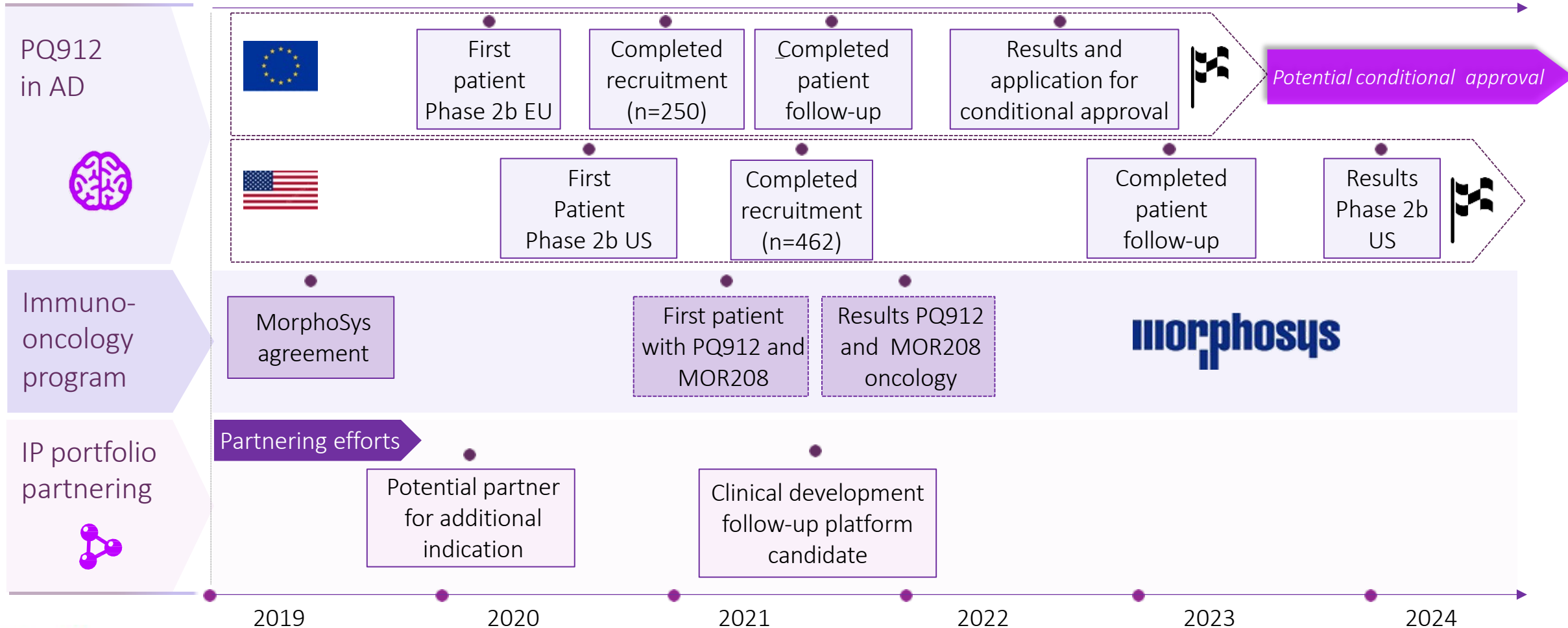
In €k	Dec 31, 2019	Dec 31, 2018
Earnings, Financial and Net Assets Position		
Operating loss	-7,715	-7,698
Finance income/loss	-108	-39
Net loss for the period	-7,823	-7,737
Equity (end of the year)	42,665	1,230
Equity ratio (end of the year) (in %)	93,0	30.4
Balance sheet total (end of the year)	45,861	4,048
Cash flows used in operating activities (year)	-11,608	-6,994
Cash flows used in operating activities (monthly average)	-967	-583
Cash flows used in investing activities (year)	-47	460
Cash flows provided by financing activities (net)	49,354	0
Cash and cash equivalents at the end of period	41,524	3,783
Vivoryon Therapeutics-Share		
Loss per share (basic and diluted) (in EUR)	-0,87	-0.94



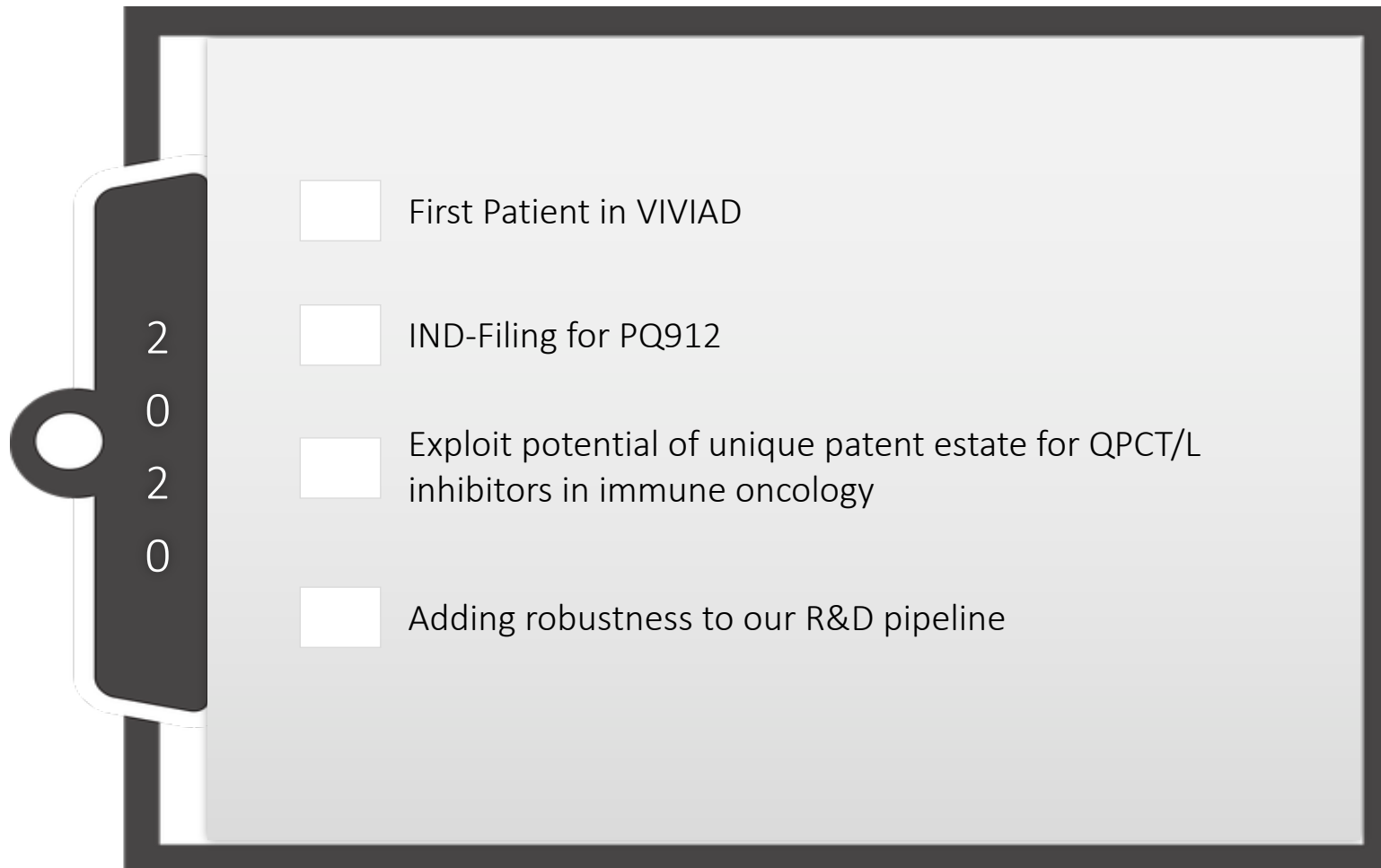


04 OUTLOOK

NEAR TERM NEWS FLOW COMING FROM PQ912



OUTLOOK



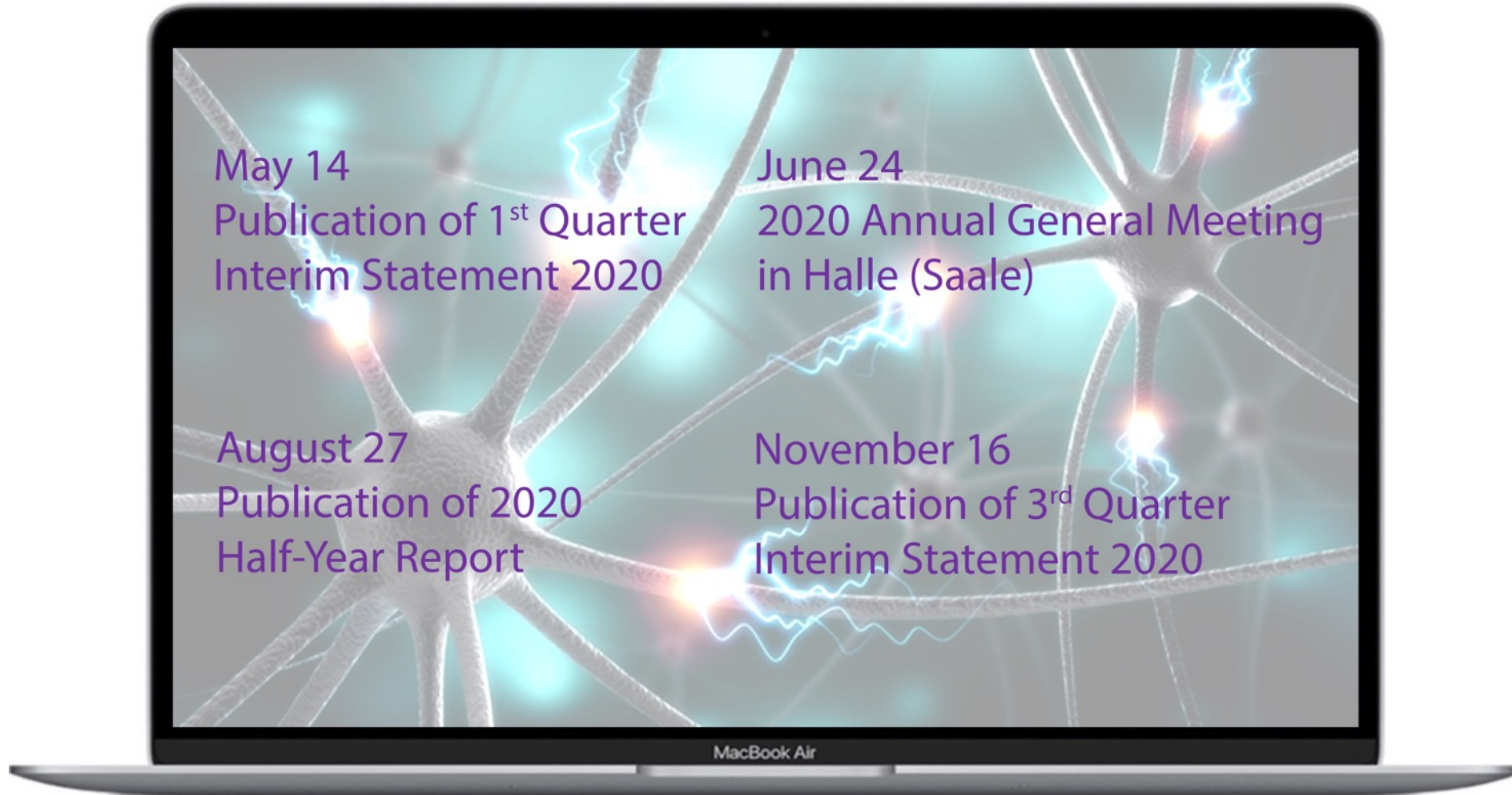
OUTLOOK

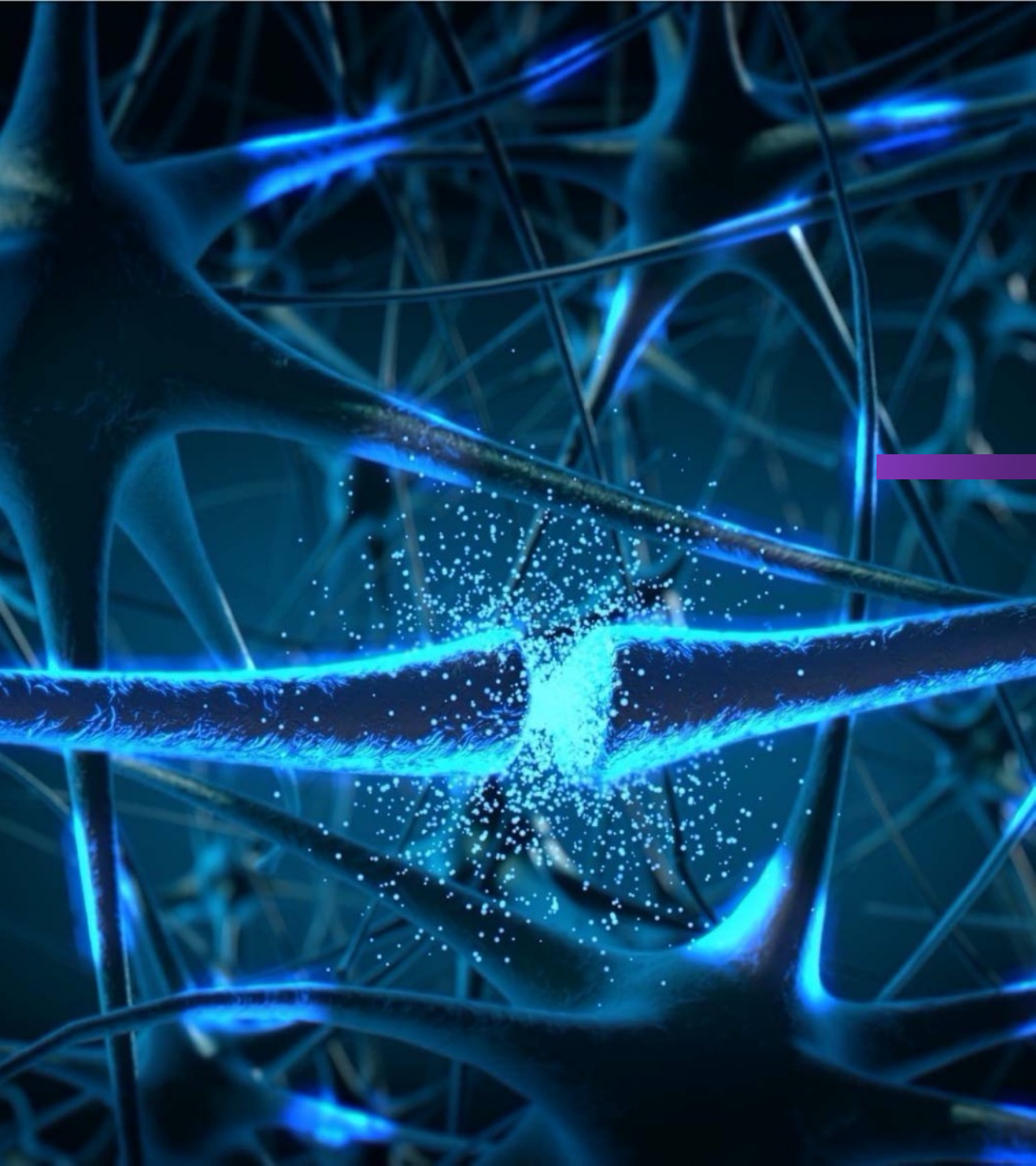
Mid-term focus of Vivoryon Therapeutics' business activities

- Execution of the Phase 2b clinical study program for PQ912.
- Development of PQ912 and other QPCTL inhibitors in oncology.
- Further scientific analysis of potential indications for the use of QPCTL inhibitors.
- Additional licensing partnerships
- Strengthening Vivoryon's pipeline

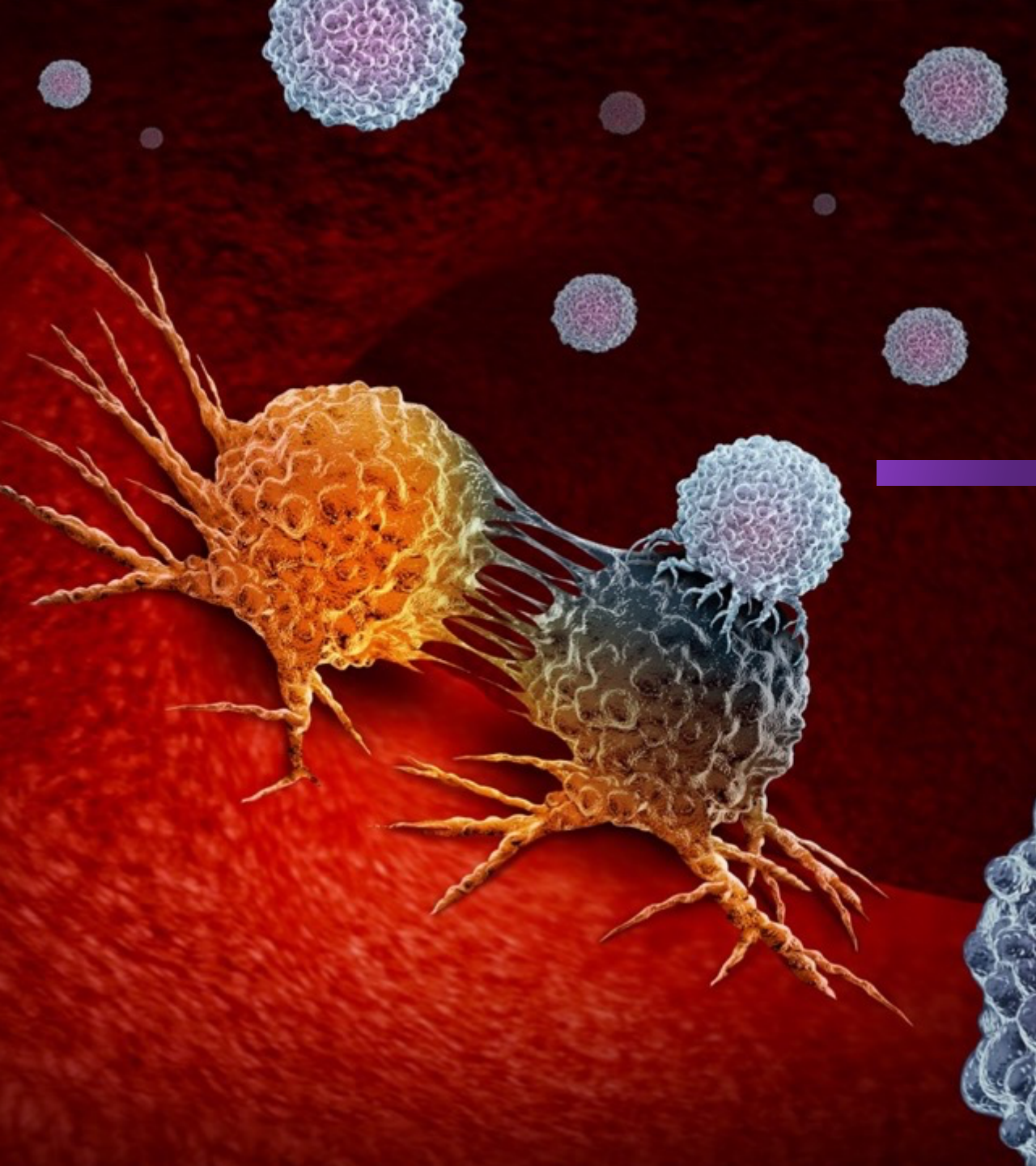


FINANCIAL CALENDAR 2020





05 Q&A



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