

Further Facts & Figures

Full-Year Report 2022

22nd of February 2023



Inspired by **patients.**
Driven by **science.**



Disclaimer & safe harbor

This presentation contains forward-looking statements, including, without limitation, statements containing the words “believes”, “anticipates”, “expects”, “intends”, “plans”, “seeks”, “estimates”, “may”, “will”, “continue” and similar expressions. These forward-looking statements are based on current plans, estimates and beliefs of management. All statements, other than statements of historical facts, are statements that could be deemed forward-looking statements, including estimates of revenues, operating margins, capital expenditures, cash, other financial information, expected legal, arbitration, political, regulatory or clinical results or practices and other such estimates and results. By their nature, such forward-looking statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties, and assumptions which might cause the actual results, financial condition, performance or achievements of UCB, or industry results, to be materially different from any future results, performance, or achievements expressed or implied by such forward-looking statements contained in this presentation.

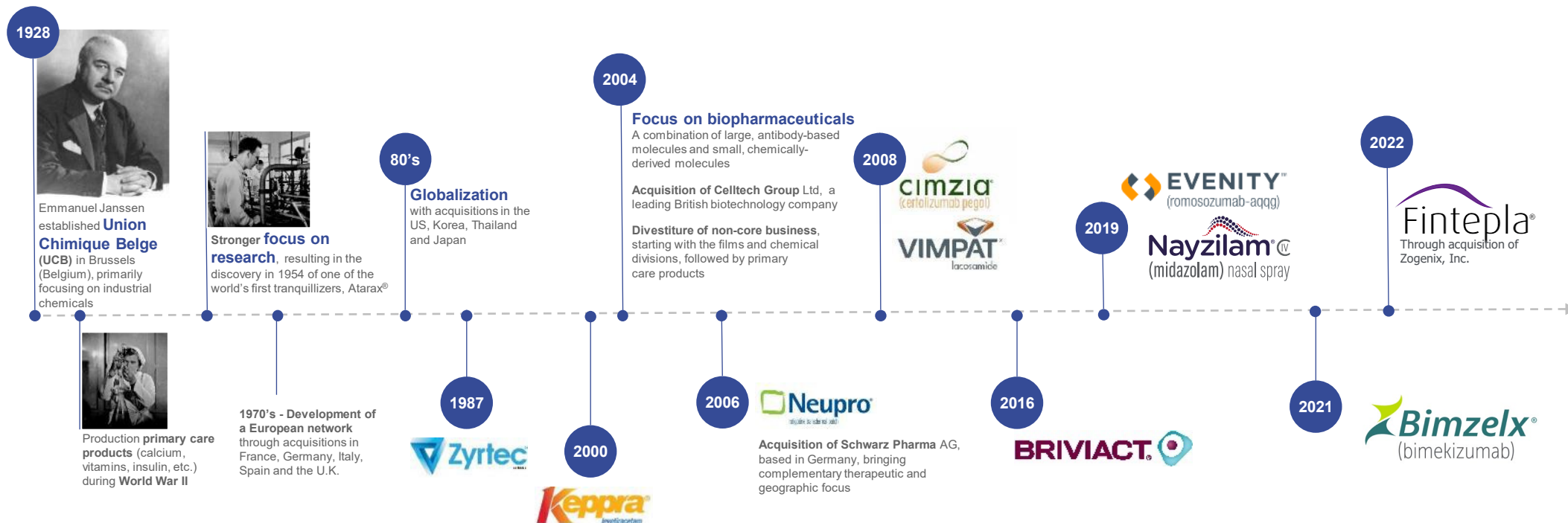
Important factors that could result in such differences include but are not limited to: the global spread and impact of pandemics (such as COVID-19), wars on territories where UCB has businesses, changes in general economic, business and competitive conditions, the inability to obtain necessary regulatory approvals or to obtain them on acceptable terms or within expected timing, costs associated with research and development, changes in the prospects for products in the pipeline or under development by UCB, effects of future judicial decisions or governmental investigations, safety, quality, data integrity or manufacturing issues; potential or actual data security and data privacy breaches, or disruptions of our information technology systems, product liability claims, challenges to patent protection for products or product candidates, competition from other products including biosimilars, changes in laws or regulations, exchange rate fluctuations, changes or uncertainties in tax laws or the administration of such laws, and hiring and retention of its employees. There is no guarantee that new product candidates will be discovered or identified in the pipeline, or that new indications for existing products will be developed and approved. Movement from concept to commercial product is uncertain; preclinical results do not guarantee safety and efficacy of product candidates in humans. So far, the complexity of the human body cannot be reproduced in computer models, cell culture systems or animal models. The length of the timing to complete clinical trials and to get regulatory approval for product marketing has varied in the past and UCB expects similar unpredictability going forward. Products or potential products which are the subject of partnerships, joint ventures or licensing collaborations may be subject to disputes between the partners or may prove to be not as safe, effective or commercially successful as UCB may have believed at the start of such partnership. UCB’s efforts to acquire other products or companies and to integrate the operations of such acquired companies may not be as successful as UCB may have believed at the moment of acquisition. Also, UCB or others could discover safety, side effects or manufacturing problems with its products and/or devices after they are marketed. The discovery of significant problems with a product similar to one of UCB’s products that implicate an entire class of products may have a material adverse effect on sales of the entire class of affected products. Moreover, sales may be impacted by international and domestic trends toward managed care and health care cost containment, including pricing pressure, political and public scrutiny, customer and prescriber patterns or practices, and the reimbursement policies imposed by third-party payers as well as legislation affecting biopharmaceutical pricing and reimbursement activities and outcomes. Finally, a breakdown, cyberattack or information security breach could compromise the confidentiality, integrity and availability of UCB’s data and systems. Given these uncertainties, the public is cautioned not to place any undue reliance on such forward-looking statements. These forward-looking statements are made only as of the date of this presentation, and do not reflect any potential impacts from the evolving COVID-19 pandemic, unless indicated otherwise. The company continues to follow the development diligently to assess the financial significance of this pandemic to UCB.

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In the event of any differences between this Presentation and the Annual or Half Year Report, the information included in the Report shall prevail.

UCB Story – Since 1928

Continuous adaptation to the changing ecosystem

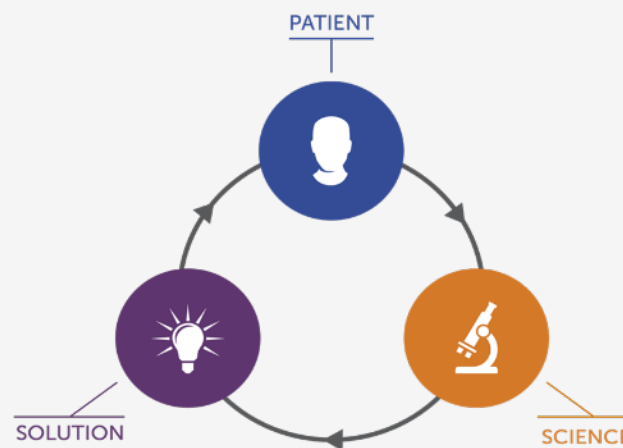


UCB's Patient Value Strategy

Sustained company growth – superior shareholder value

Our ambition is to be the **patient-preferred** biopharma leader, creating patient value for **specific populations through unique outcomes**, the best experience and improving as many of these lives as possible.

We want to be present and impact specific patient populations by 2025.



We are UCB

We are 8 700* employees
creating value for patients



We bring CIMZIA®, VIMPAT®, KEPPRA®, BRIVIACT®, NEUPRO®, NAYZILAM®, EVENITY® & BIMZELX® to **over 3.4 million patients***



Focused on R&D:
We invest **30%* of revenue in R&D** – above industry average







We commit to **reducing our ecological footprint**



We reached in 2022
€ 5.5 billion revenue and
€ 1.26 billion adjusted EBITDA





Our Core Products – Immunology and Bone

Key information*

	BIMZELX® (<i>bimekizumab</i>)	CIMZIA® (<i>certolizumab pegol</i>)	EVENTITY® (<i>romosozumab</i>)
	<ul style="list-style-type: none"> Psoriasis available in EU (DE, FR, IT, ES, NL, SE, DK, FI, AT, BE, CH & CZ), GB, JPN, CAN & KSA – Approved in AUS Regulatory reviews in psoriasis are underway in the US, Turkey, Brazil, Mexico, Kuwait & Israel. Psoriatic arthritis, radiographic and non-radiographic axial spondyloarthritis under regulatory review in EU and JPN. Hidradenitis suppurativa (HS) regulatory submissions starting Q3/2023 	<ul style="list-style-type: none"> Crohn's disease Rheumatoid arthritis Psoriatic arthritis Axial spondyloarthritis Psoriasis 	<ul style="list-style-type: none"> EU launch progressing (available in UK, ES & IT as of Q4, 2022) Launched by Amgen and Astellas in Japan and US and ROW
	> 4 000 patients globally*	180 000 patients globally*	> 400 000 patients since launch globally*
	No partner; in-house product	Astellas (Japan – 2012) Cinkate (China – 2019)	Amgen (2020)
	2032 (US, without patent term extension) 2036 (EU) 2037 (Japan)	2024 (US & EU) 2026 (Japan)	2031 (EU & Japan) 2033 (US) EVENTITY® is being launched globally by Amgen, UCB and Astellas since 2019, with net sales outside Europe reported by Amgen and Astellas – also see slide 21.

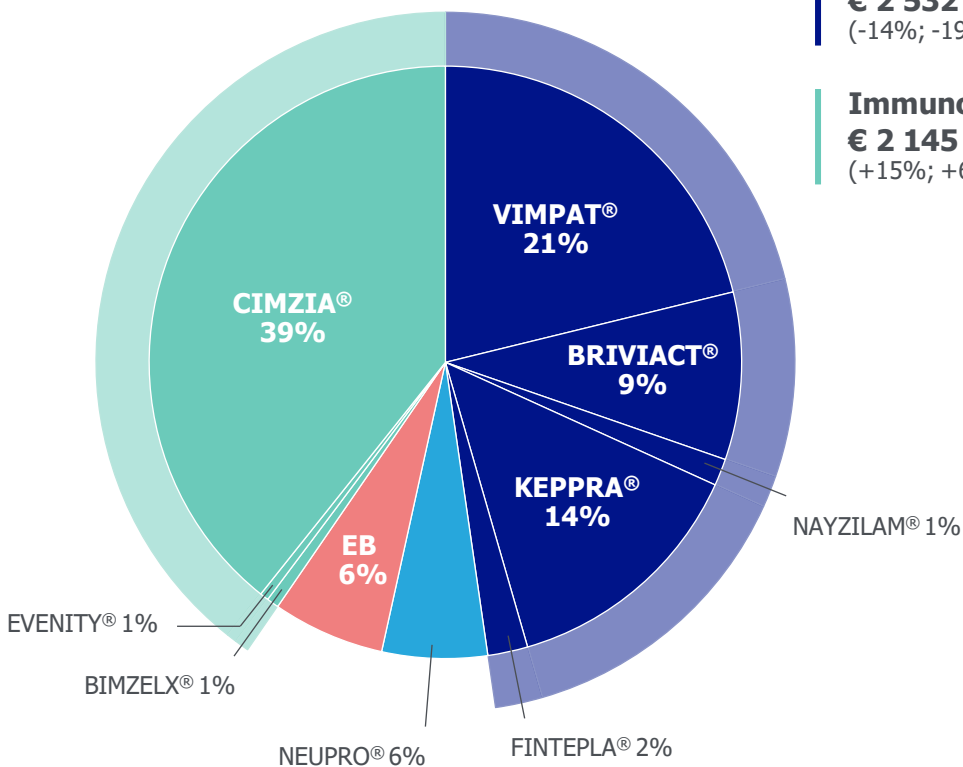
Our Core Products – Neurology

Key information*

	FINTEPLA® (fenfluramine)	NAYZILAM® (Midazolam)	VIMPAT® (lacosamide)	KEPPRA® (levetiracetam)	BRIVIACT® (brivaracetam)	NEUPRO® (rotigotine)
	<ul style="list-style-type: none"> Dravet-syndrome Approved and launched in US, EU, JPN. ODD in US, EU Lennox-Gastaut syndrome Approved and launched in US, EU; ODD in US, EU 	<ul style="list-style-type: none"> Epilepsy seizure clusters (US - 2019) – orphan disease designation 	<ul style="list-style-type: none"> Epilepsy POS (pediatric label extension in US, Oct. 2021, and EU CHMP positive opinion, Jan. 2022) Epilepsy PGTCs 	<ul style="list-style-type: none"> Epilepsy POS Epilepsy PGTCs Epilepsy myoclonic seizures 	<ul style="list-style-type: none"> Epilepsy POS Adj. therapy Monotherapy (US) pediatric label extension in US, Aug. 2021, and EU CHMP positive opinion, Jan. 2022) 	<ul style="list-style-type: none"> Parkinson's disease Restless legs syndrome
	> 1 000 patients globally*	> 90 000 patients in the U.S.*	> 600 000 patients globally*	> 1.8 million patients globally*	190 000 patients globally*	> 340 000 patients globally*
	Acquisition of Zogenix, Inc. in 2022	US only (in-licensed from Proximagen , 2018)	Daiichi Sankyo (Japan – 2014)	Otsuka (Japan – 2008-2020)		Otsuka (Japan – 2002-2020)
	2027 (ODE US Dravet Syndrome) 2032 (ODE EU & Japan Dravet Syndrome)	2028 (US)	2022 (US & EU) 2024 (Japan)	2008 (US) 2010 (EU) 2020 (Japan)	2026 (US & EU)	2021 (US & EU) 2024 (Japan) 2030 Several reformulation patents (US & EU)

Strong product portfolio – managing generic erosion

2022 FY Net Sales
€ 5 140 M¹
(-6%; -8% CER)



Epilepsy
€ 2 532 M
(-14%; -19% CER)

Immunology
€ 2 145 M
(+15%; +6% CER)

	€ M	ACT	CER	
CIMZIA®	€ 2 085	+13%	+5%	Peak sales ahead of 2024
VIMPAT®	€ 1 124	-27%	-33%	LOE since March in the US, since September in Europe
KEPPRA®	€ 729	-25%	-26%	LOE in Japan since early January
BRIVIACT®	€ 485	+37%	+24%	Continued double-digit growth
NEUPRO®	€ 305	0%	-4%	Stable in a competitive market environment
FINTEPLA®	€ 116	n/a	n/a	Included since March
NAYZILAM®	€ 78	+36%	+21%	Continued double-digit growth
BIMZELX®	€ 35	>100%	>100%	Launching in 16 countries around the globe
EVENITY®	€ 25	>100%	>100%	Continued launches throughout Europe
Established Brands (EB)	€ 325	+1%	+2%	Solid contribution

Accelerate & Expand (2019-2021)

- ✓ Preparing for the future
- ✓ Maximize the number of lives we can positively impact
- ✓ Focus on patients that can benefit most
- ✓ Strengthen our R&D to deliver new compounds in shorter cycle times
- ✓ Identify & act on potential opportunities

2019

- ✓ EVENITY® launch
- ✓ NAYZILAM® launch (US)
- ✓ bimekizumab Phase 3 results in PsO
- ✓ bimekizumab Phase 3 start in PsA & AS
- ✓ padsevonil Phase 3 start in focal-onset seizures
- ✓ rozanolixizumab Phase 3 start in MG + Phase 2a in CIDP
- ✓ Agreement to acquire Ra Pharma

2020

- ✓ rozanolixizumab Phase 3 start in ITP (Jan)
- ✓ bimekizumab Phase 3 start in HS (Feb)
- ✓ padsevonil Phase 2b topline results (March)
- ✓ Ra Pharma closing (April)
- ✓ Acquisition of STACCATO® alprazolam (June)
- ✓ CIMZIA® co-promotion agreement with Ferring in the US (July)
- ✓ Partnership with Roche to develop UCB0107 in AD (July)
- ✓ dapirolizumab pegol Phase 3 start in SLE (Q3)
- ✓ bimekizumab filing in PsO (Sept)
- ✓ Acquisition of Handl Therapeutics & new R&D collaboration with Lacerta Therapeutics (Nov) in gene therapy
- ✓ VIMPAT® PGTCS approval (Q4)

2021

- ✓ bepranemab (UCB0107) Phase 2 started in AD (TOGETHER trial) in Q2
- ✓ EU: CHMP positive opinion on BIMZELX® (bimekizumab) in June 2021
- ✓ rozanolixizumab in CIDP de-prioritized (Feb)
- ✓ zilucoplan Phase 2 topline results in IMNM with good safety data, but C5 not relevant in this disease - discontinued
- ✓ rozanolixizumab Phase 2 in AIE started in Q3
- ✓ rozanolixizumab Phase 3 in MOG-antibody disease started in Q4
- ✓ STACCATO® alprazolam Phase 3 started in active epileptic seizure in Q4
- ✓ rozanolixizumab / zilucoplan Phase 3 topline results in myasthenia gravis late 2021 / early 2022
- ✓ bimekizumab Phase 3 topline results in psoriatic arthritis & axial spondyloarthritis (end of 2021/early 2022)
- ✓ Out-licensing of zampilimab to Chiesi
- ✓ Partnering with Novartis in Parkinson's disease



Inspired by patients.
Driven by science.

AD: Alzheimer's disease; AIE: autoimmune encephalitis; AS: axial spondyloarthritis; CIDP: Chronic Inflammatory Demyelinating Polyneuropathy; HS: hidradenitis suppurativa; IMNM: Immune-Mediated Necrotizing Myopathy; ITP: Immune Thrombocytopenia; MG: myasthenia gravis; MOG: myelin oligodendrocyte glycoprotein; PGTCS: primary generalized tonic-clonic seizures; PsO: psoriasis; PsA: psoriatic arthritis; SLE: systemic lupus erythematosus

Exceeded peak sales ambition of over € 2bn already in 2022



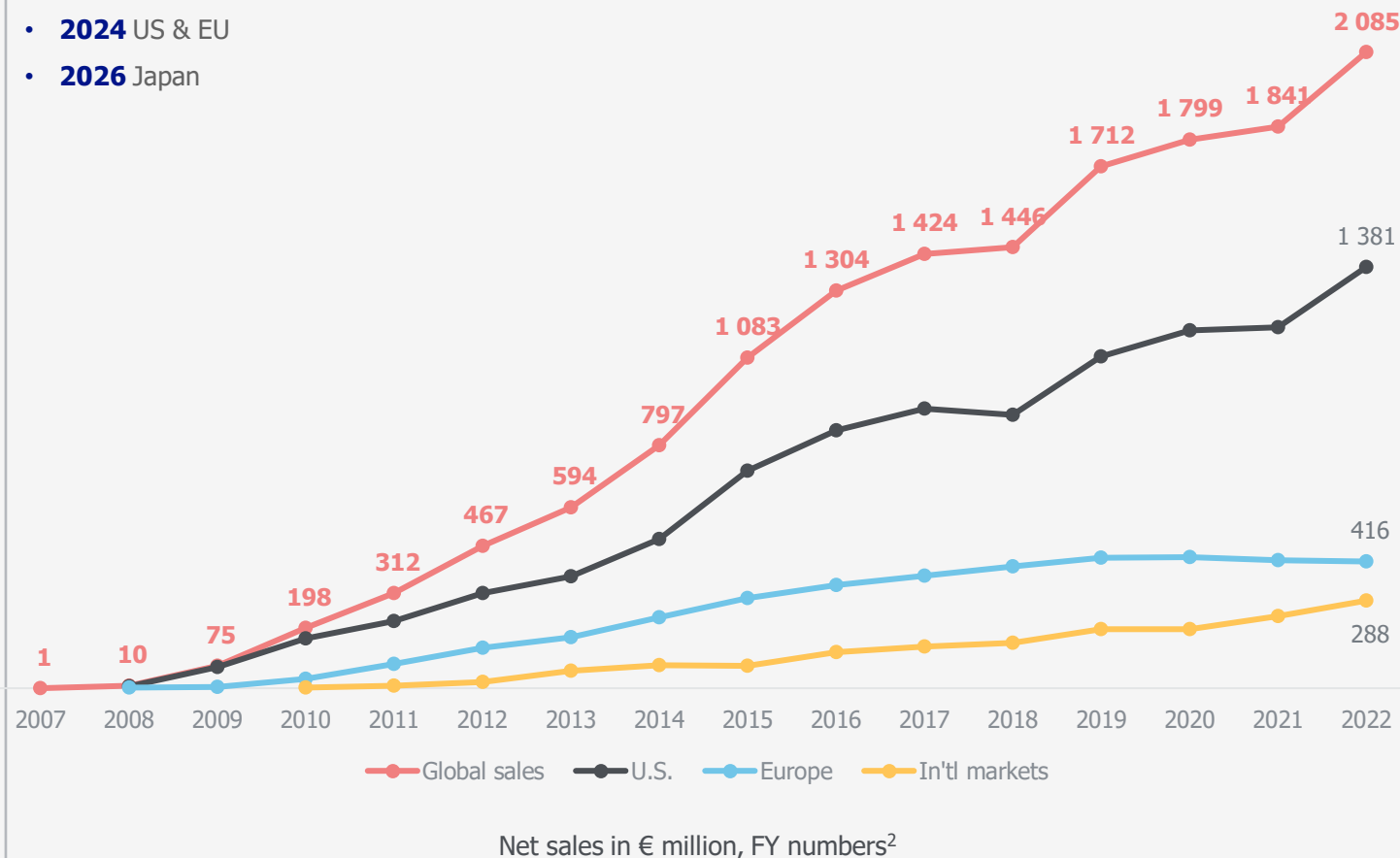
For patients (including women of child-bearing age) living with

- Rheumatoid arthritis
- Psoriatic arthritis
- Psoriasis
- (non-radiographic) Axial spondyloarthritis
- Crohn's disease (US)³

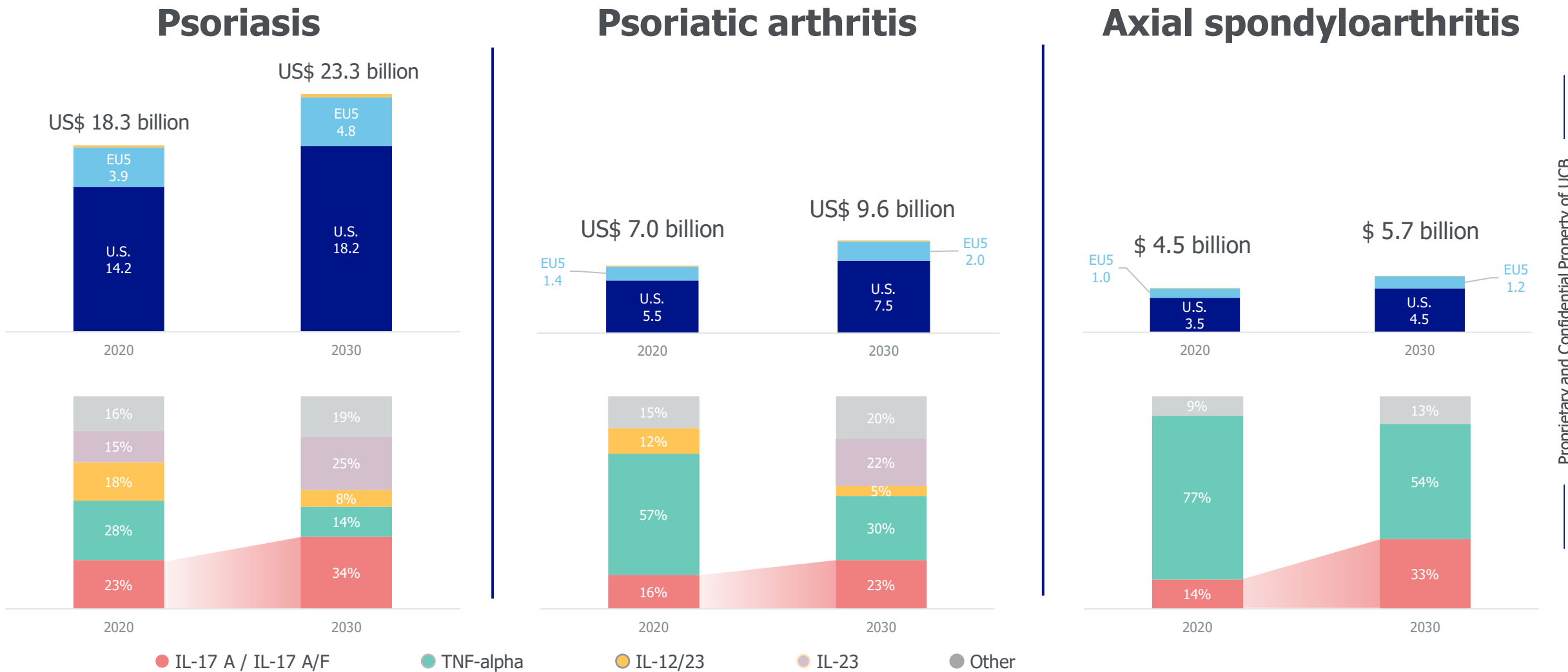
Peak sales guidance: > € 2 billion by 2024

Loss of Exclusivity¹

- **2024** US & EU
- **2026** Japan



Focusing On Markets With Strong Growth Potential



Exceeded peak sales ambition of over € 1.5bn already in 2021

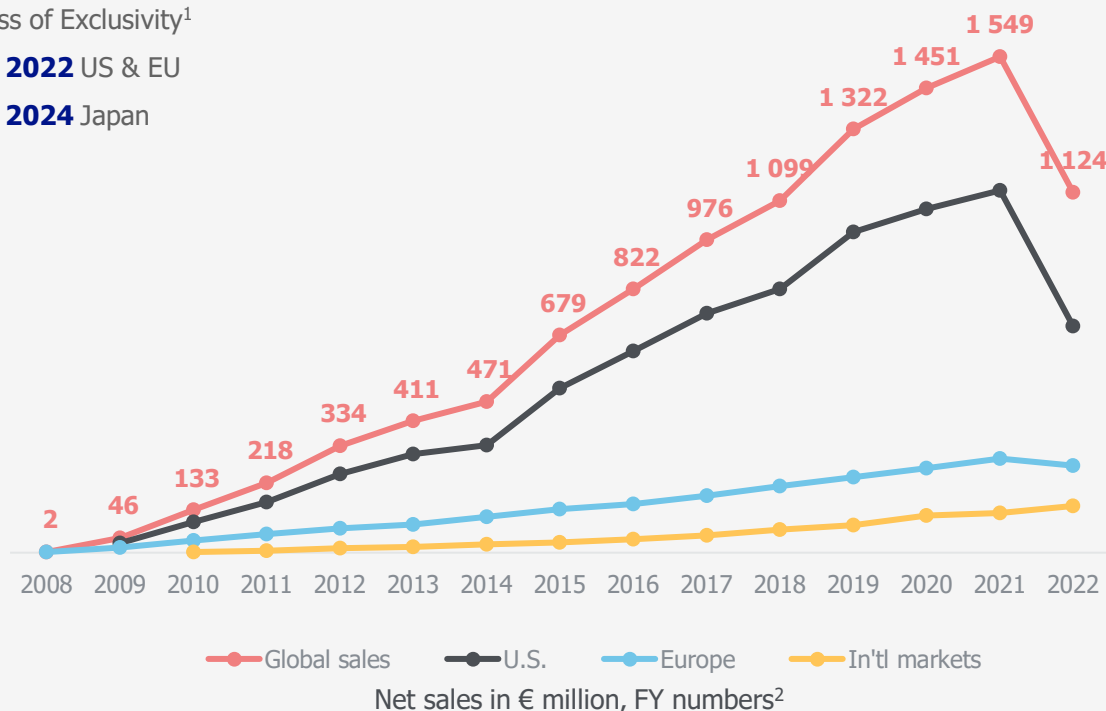
For patients living with

- Partial-onset seizures (POS), also known as focal seizures
 - 2021: US FDA approval for the treatment of partial-onset seizures in patients 1 month of age and older
 - 2021: EU positive CHMP opinion on use for the treatment of focal epileptic seizures in children 2 to 4 years of age (previously approved for patients >4 years of age)
 - JPN, China > 4 years of age
- Primary Generalized Tonic-Clonic Seizures (PGTCS)
 - US, EU, JPN > 4 years of age

Peak sales guidance: > € 1.5 billion by 2022 - achieved

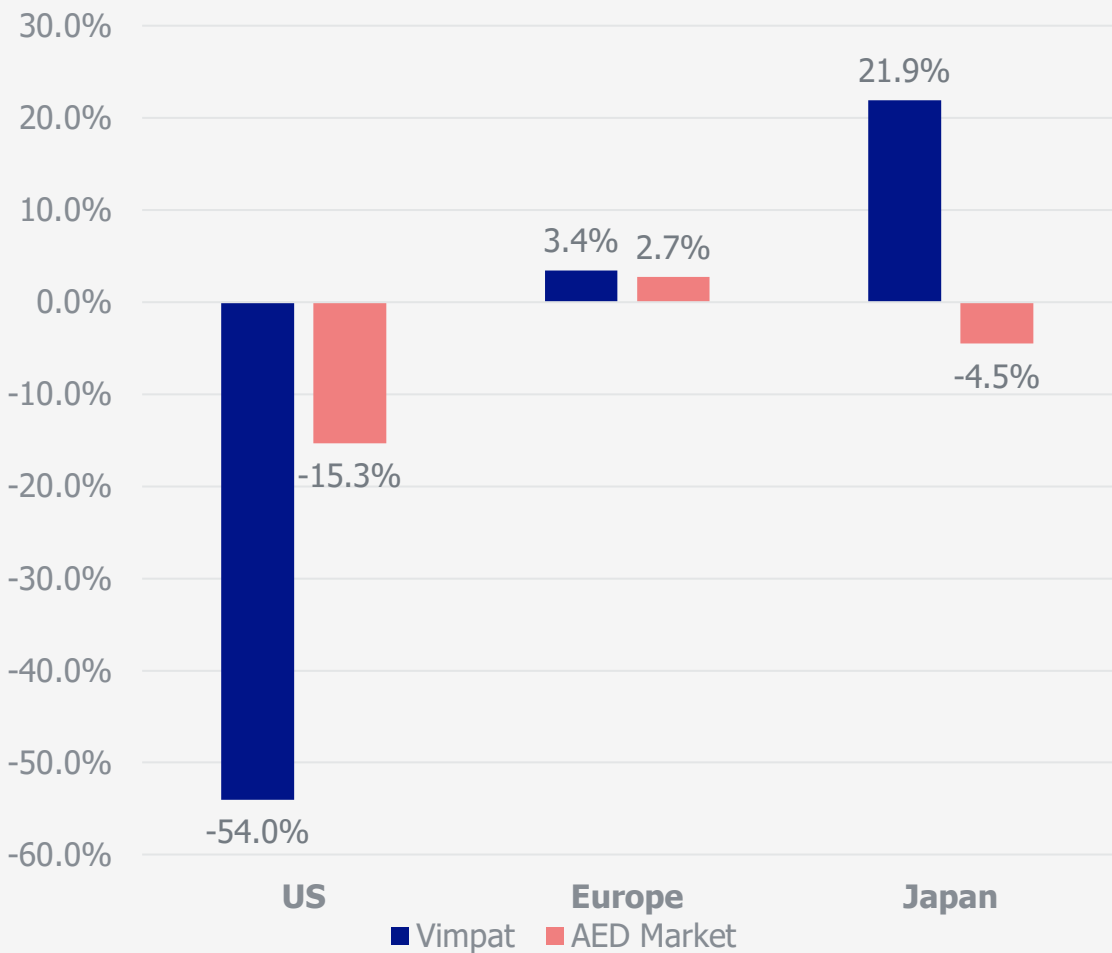
Loss of Exclusivity¹

- **2022** US & EU
- **2024** Japan

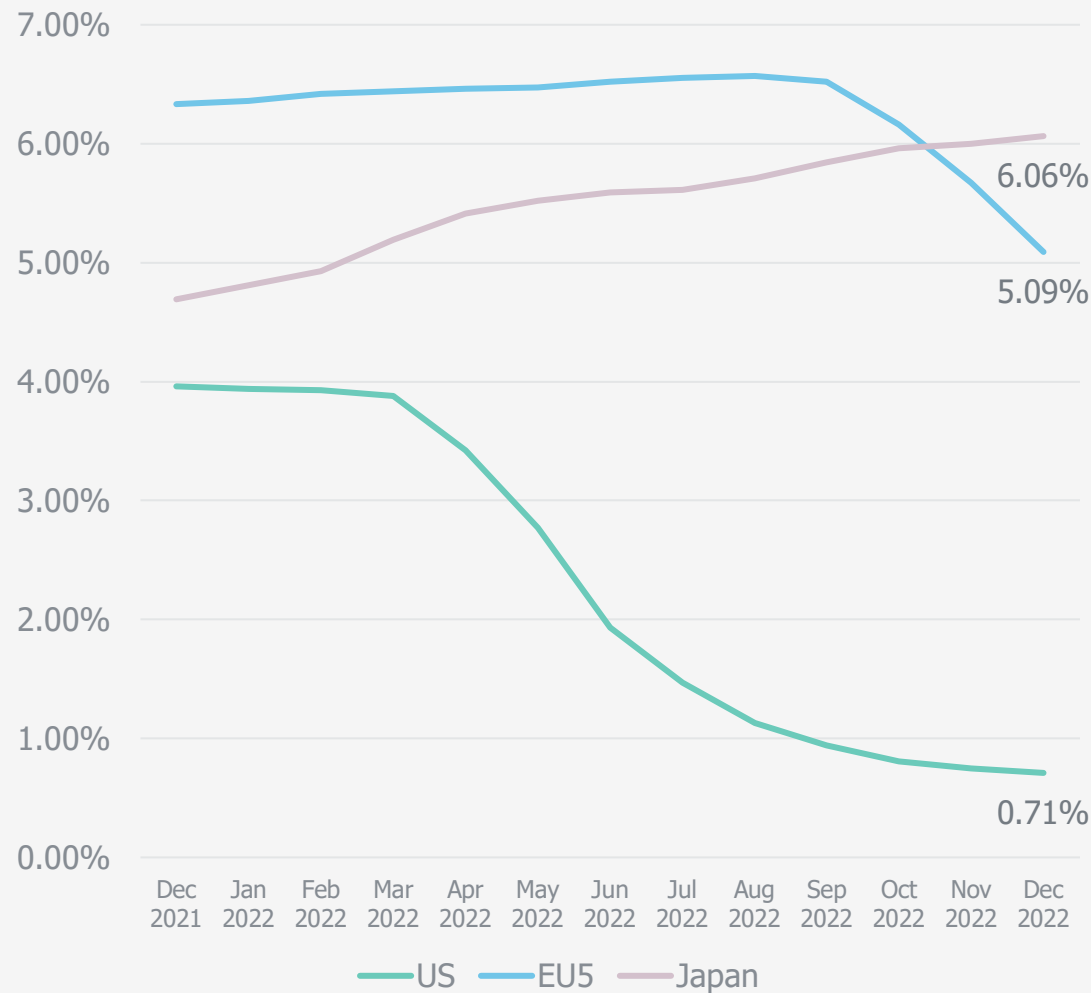


VIMPAT® In-Market Performance

Vimpat vs. AED Market Growth (TRx/TDx)



Vimpat R3M TRx/TDx Share



US Loss of Exclusivity: March 2022

EU Loss of Exclusivity: September 2022

BRIVIACT®

Available to more and more patients

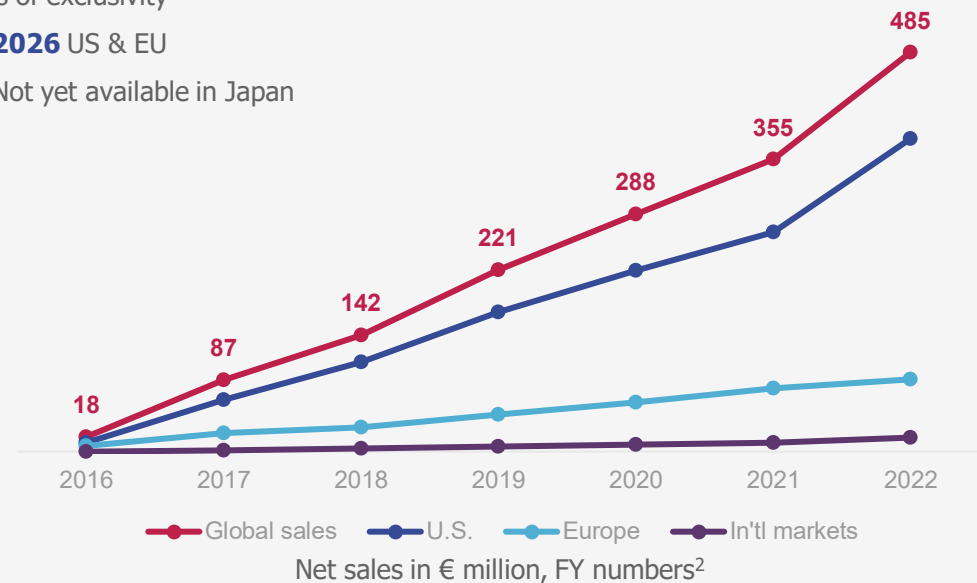
For people living with

- partial-onset seizures (POS), also known as focal seizures
 - 2021: US FDA approval as both monotherapy or adjunctive therapy for the treatment of partial-onset seizures in patients 1 month of age and older
 - 2021: positive CHMP opinion on use for the treatment of focal epileptic seizures in children 2 to 4 years of age (previously approved for patients >4 years of age)

Peak sales guidance: € 600 million (2026)

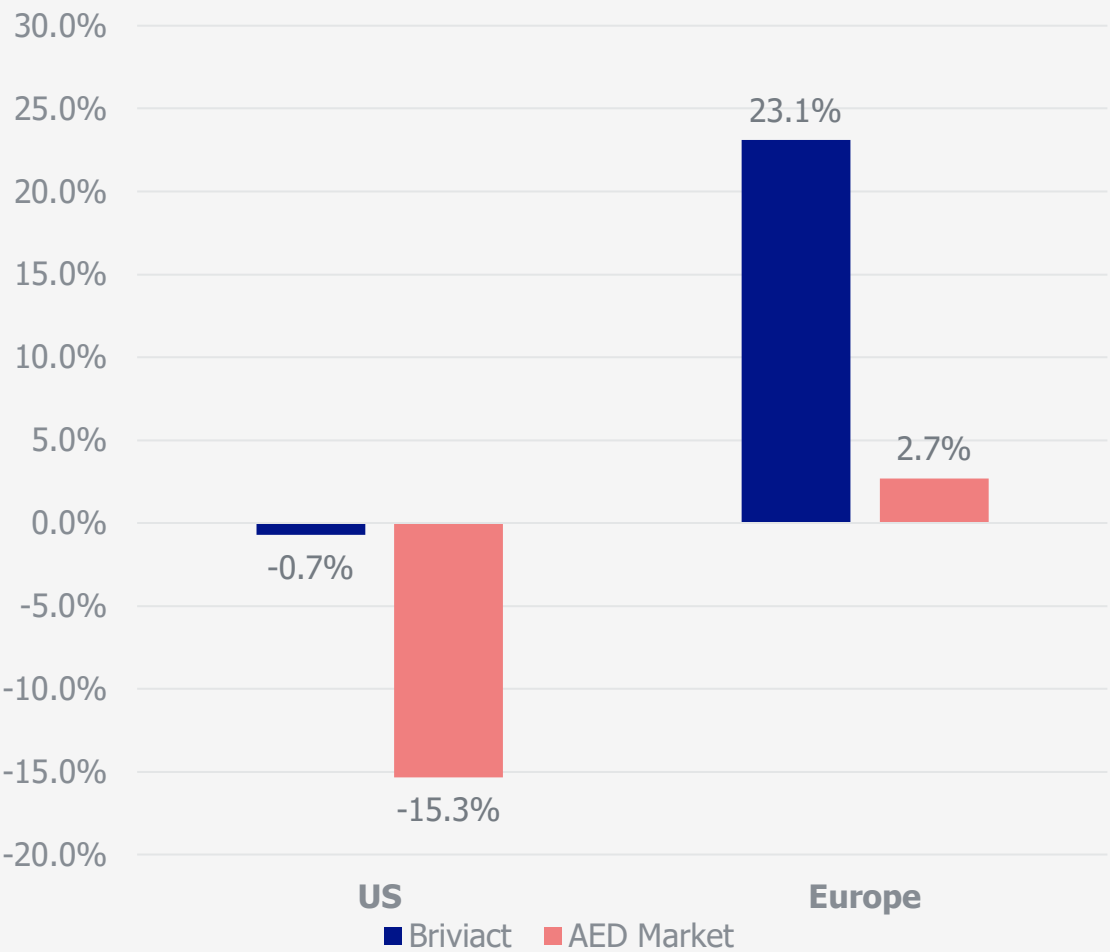
Loss of exclusivity¹

- **2026** US & EU
- Not yet available in Japan

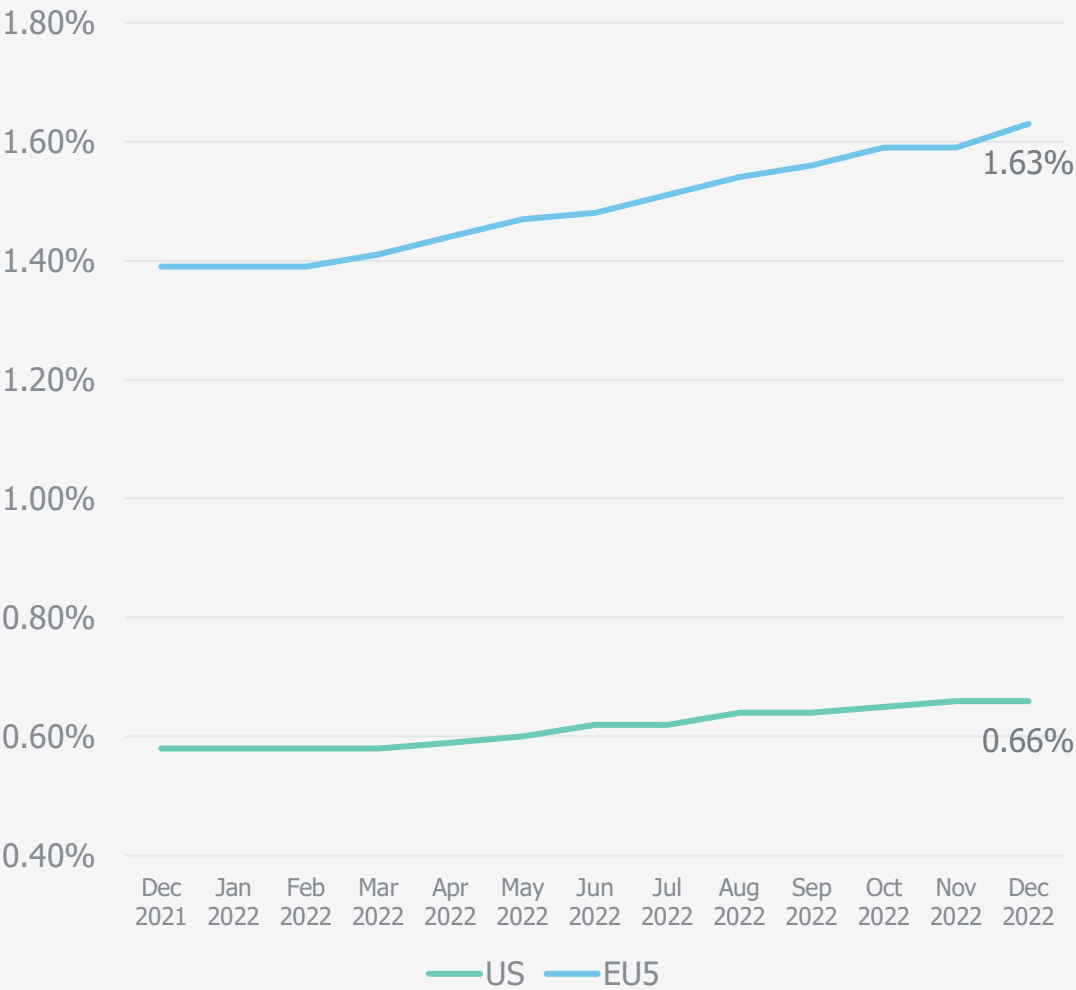


BRIVIACT® In-Market Performance

Briviact vs. AED Market Growth (TRx/TDx)



Briviact R3M TRx/TDx Share

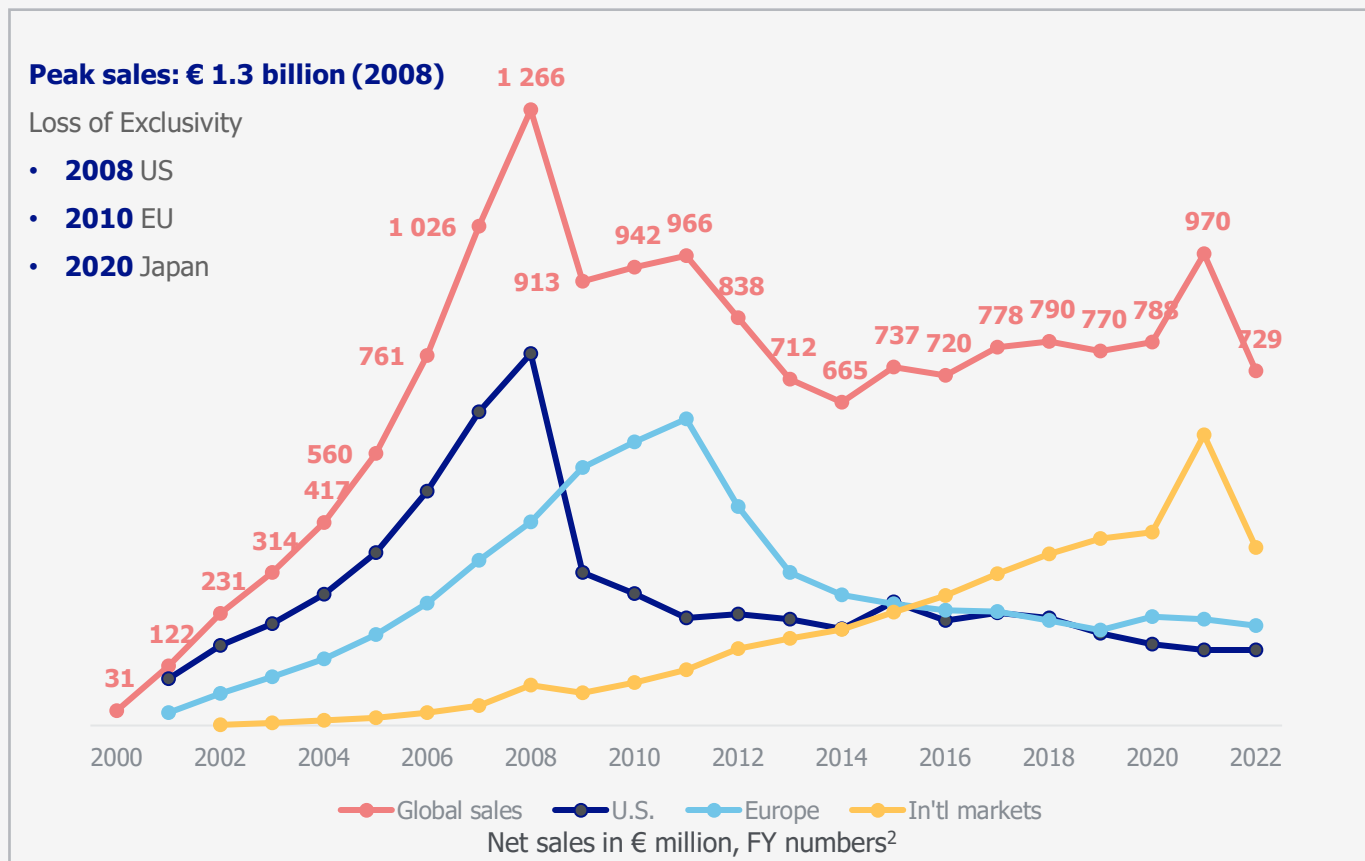


Mature established brand



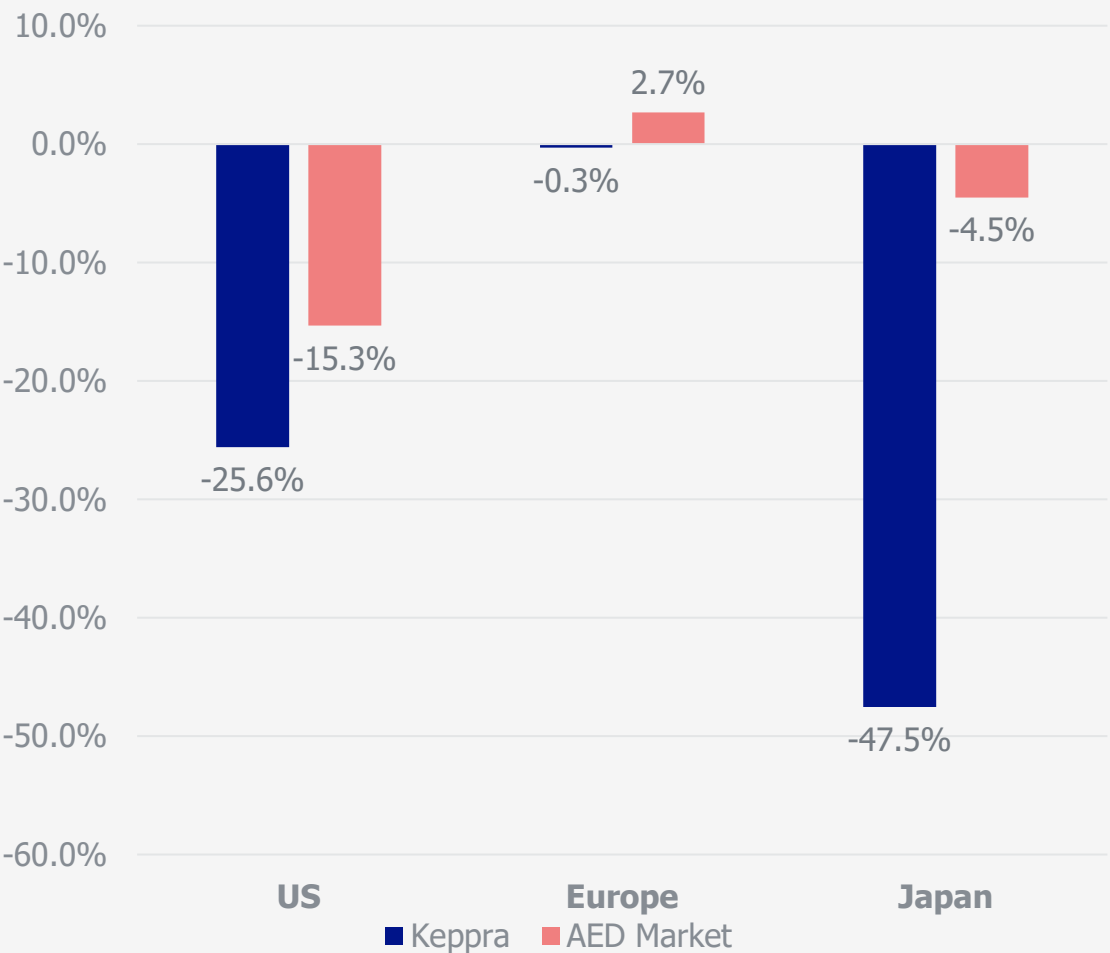
For people living with

- partial-onset seizures (POS), also known as focal seizures
- primary generalized tonic-clonic seizures (PGTCS)
- myoclonic seizures

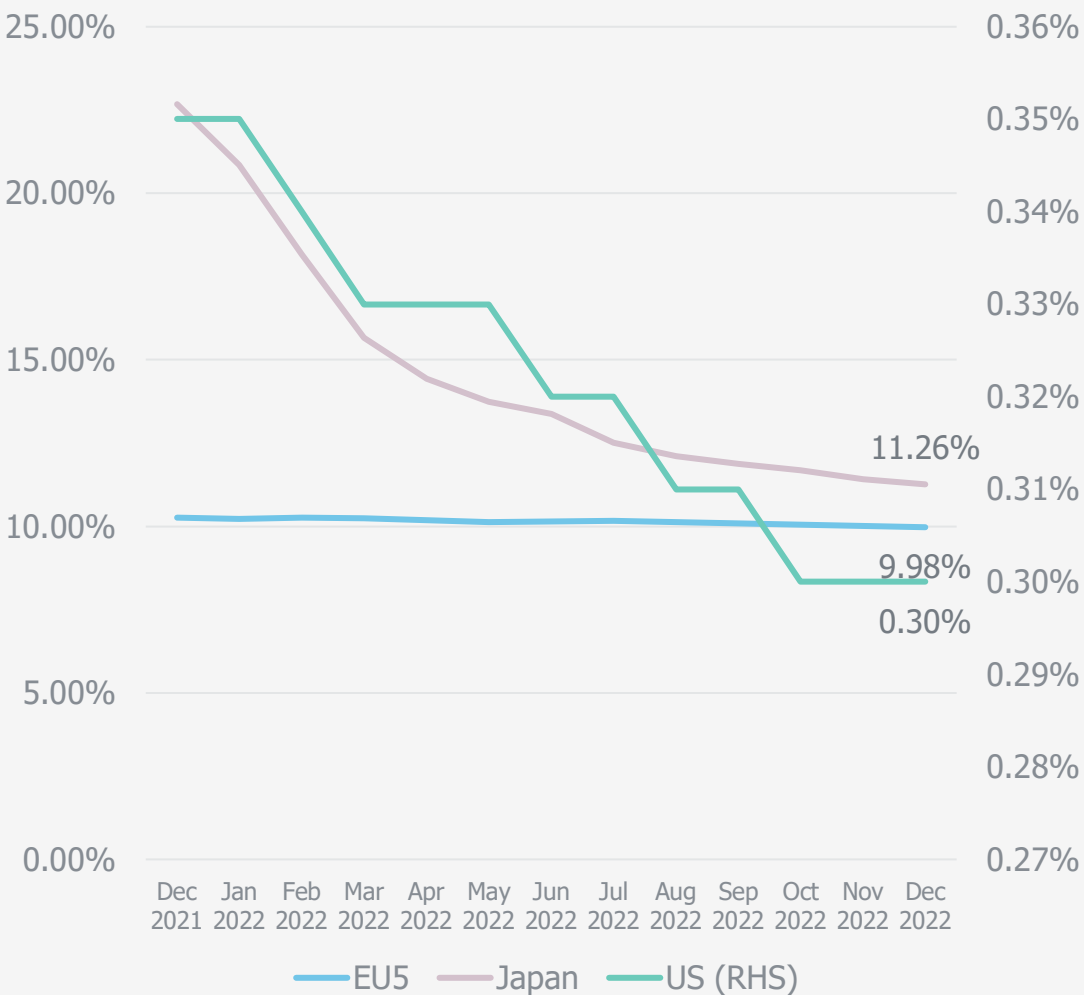


KEPPRA® In-Market Performance

Keppra vs. AED Market Growth (TRx/TDx)



Keppra R3M TRx/TDx Share



Japan start generic competition: End 2021

In-Market KPIs are based on TRx (US) and TDx (EU, Japan); AED market: All molecules in ATC3= N3A + Phenobarbital in N5B. In Europe and Japan, the TDx of all these molecules are AED Market and Keppra TRx/TDx growth are calculated for MAT Dec 22 vs. MAT Dec 21 factored for epilepsy usage. In the US, the TRx of 26 of these molecules are factored for epilepsy usage. Keppra TRx/TDx market share is calculated for R3M Dec 22 and market share growth is shown against R3M Dec 21. For US, Keppra includes Keppra XR.

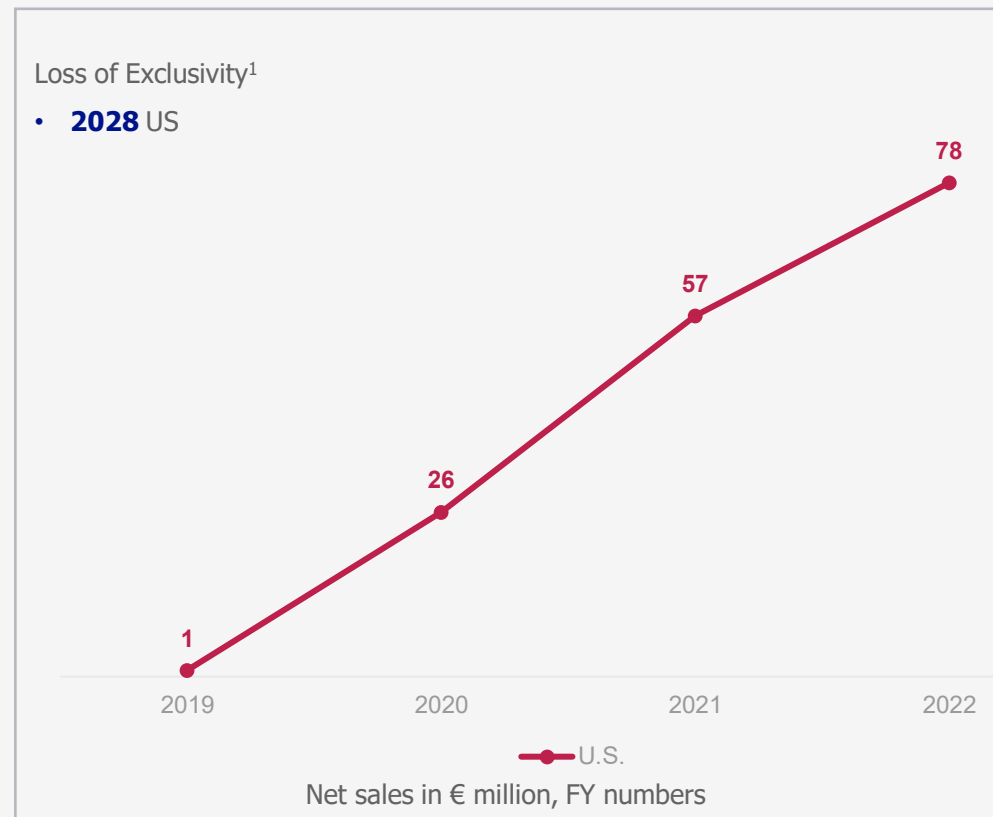
NAYZILAM®

Available to a growing number of patients in the USA



For patients living with epilepsy seizure clusters
([US - 2019](#))

Nayzilam® was acquired in [2018](#) from Proximagen.

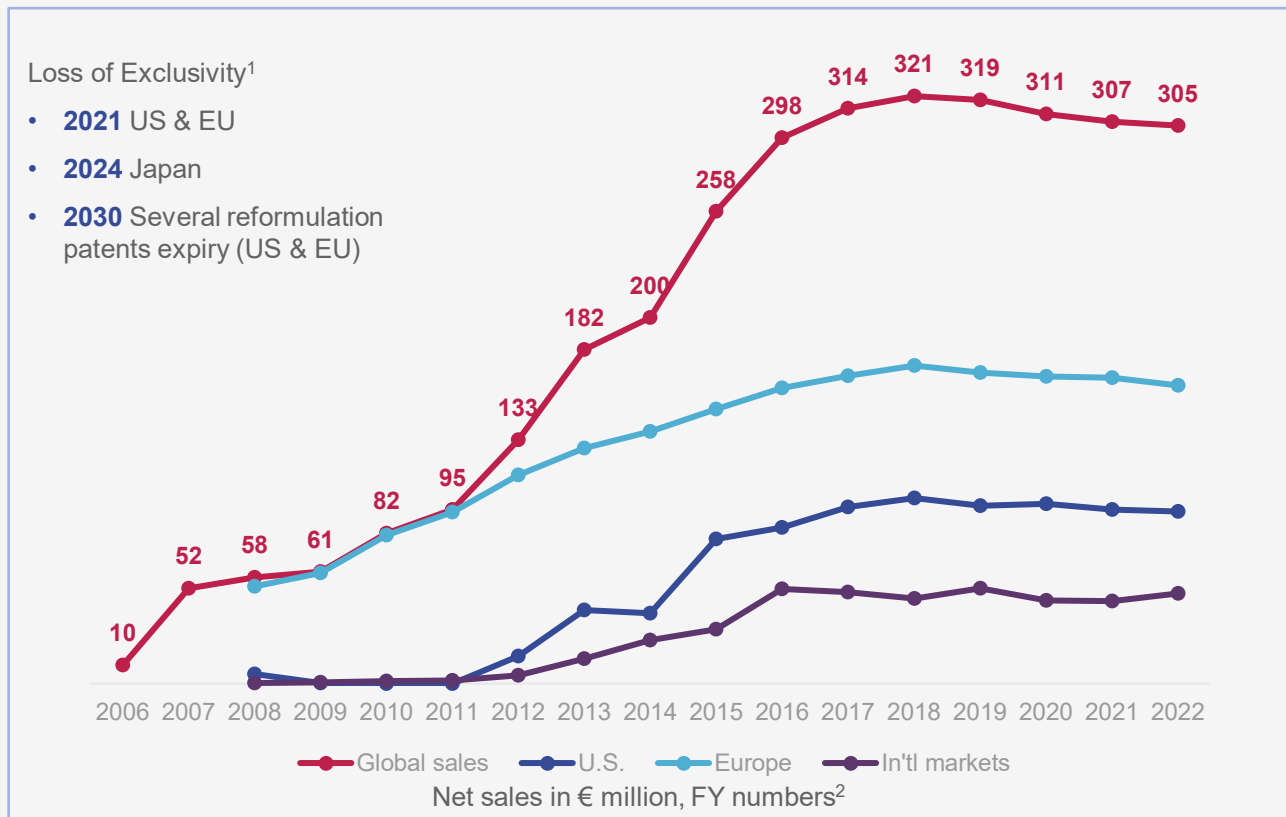


Reached peak sales in 2018



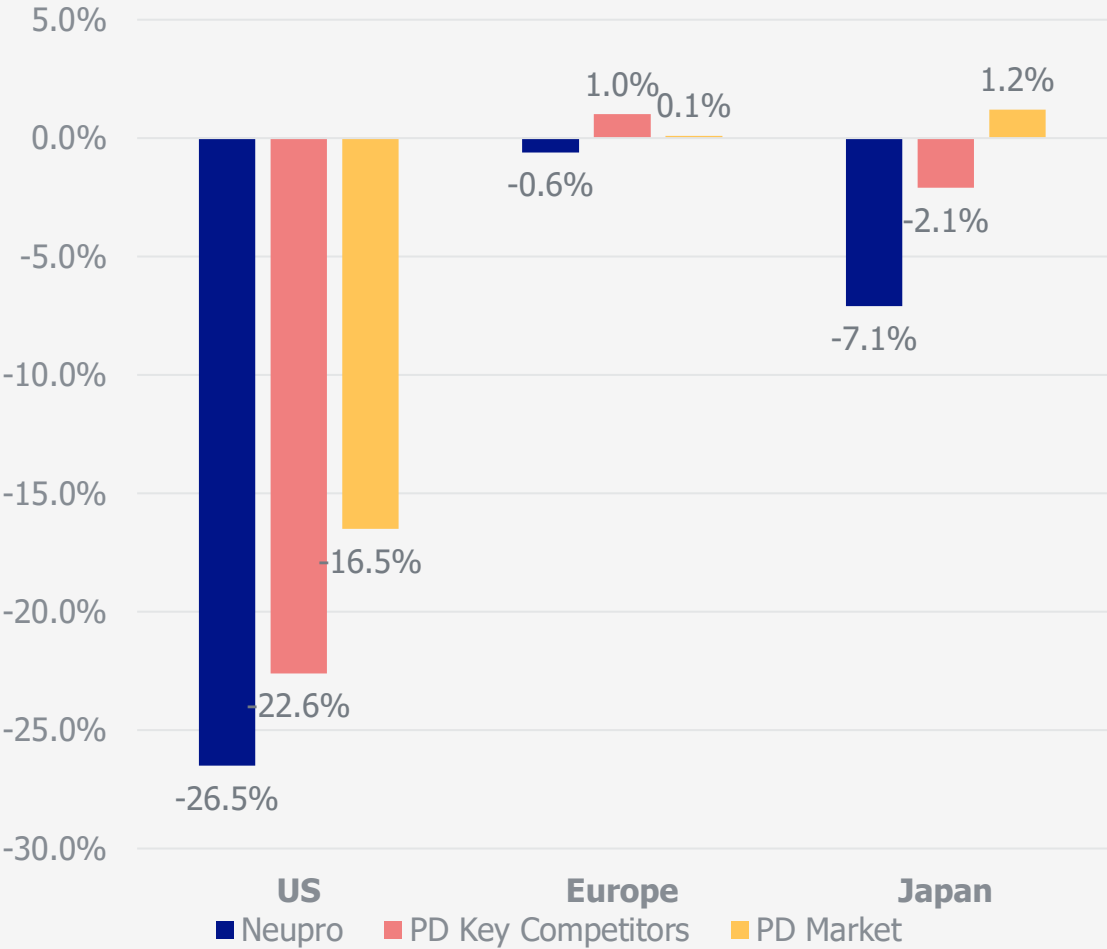
For people living with

- Parkinson's disease
- Restless legs syndrome

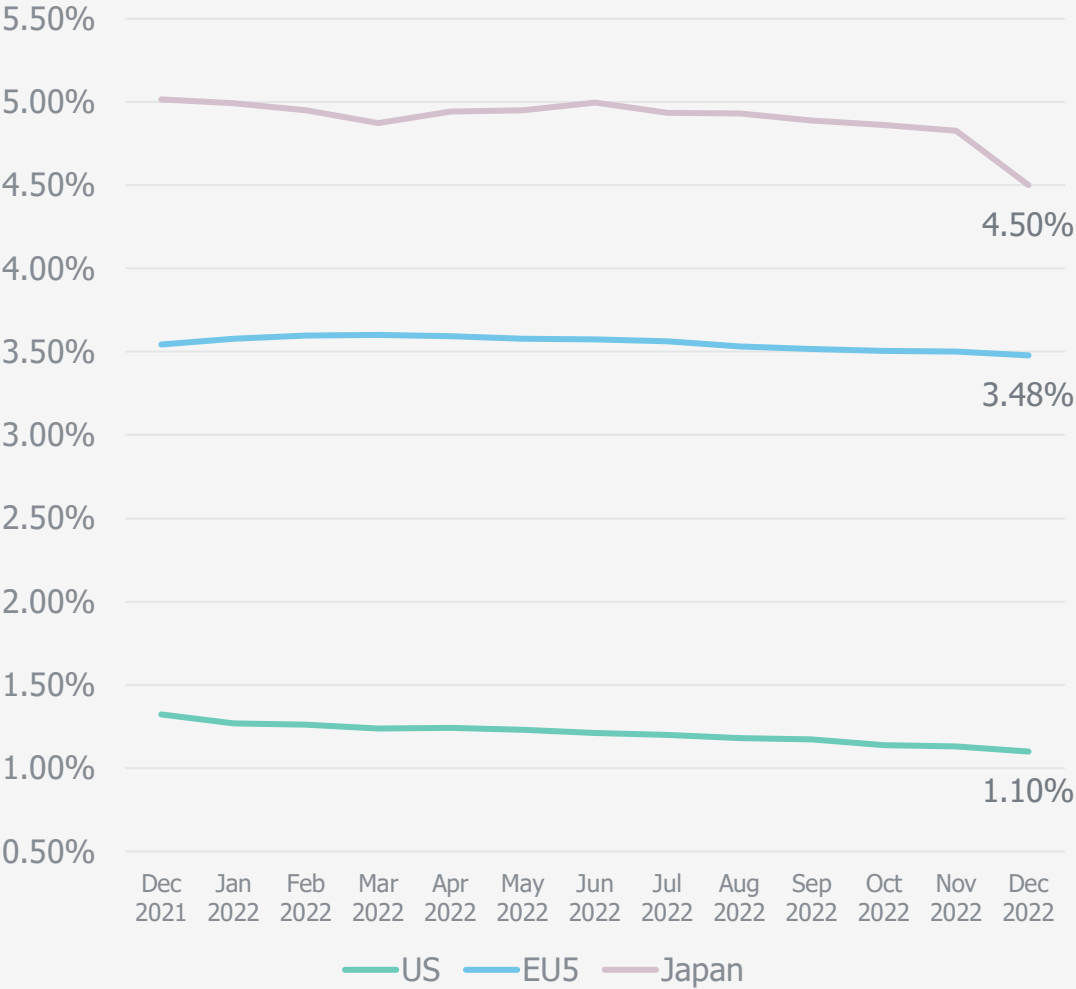


NEUPRO® In-Market Performance

Neupro PD vs. PD (KC) Market Growth (TRx/TDx)



Neupro R3M TRx/TDx Share



In-market KPI's are based on TRx (US) and TDx (EU, Japan); PD (KC) Market and Neupro TRx/TDx growth are calculated for MAT Dec 22 vs. MAT Dec 21; Neupro TRx/TDx market share is calculated based on PD Key Competitors market; Neupro TRx/TDx market share is calculated for R3M Dec 22 and market share growth is shown against R3M Dec 21. PD market: All molecules in ATC3= N4A; PD Key Competitors (KC) market: The 8 DA's (Dopamine Antagonists): Bromocriptine, Cabergoline, Lisuride, Pergolide, Rotigotine, Pramipexole, Piribedil, Ropinirole.

Impact of EVENITY® on UCB's P&L

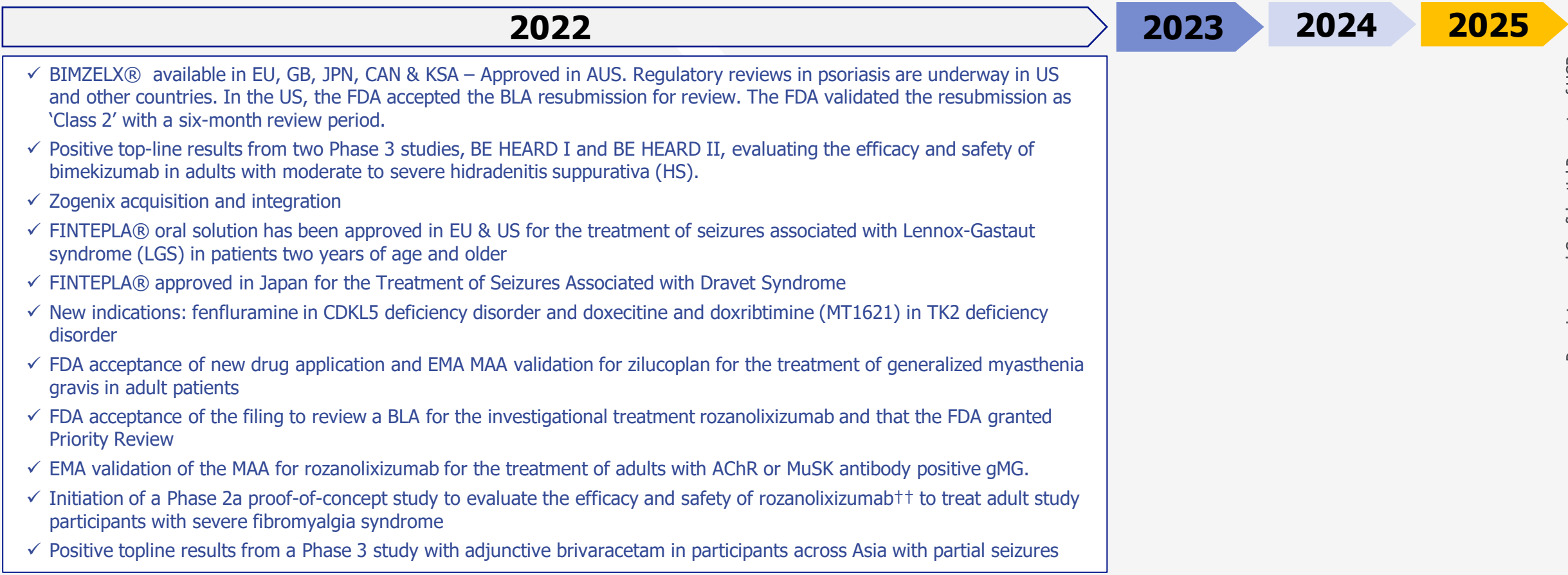
	UCB	Amgen	Astellas
+ Net sales	European sales	US & RoW sales + intercompany sales to Japan	In-market sales Japan
- Cost of goods	European sales	US & RoW sales + intercompany sales to Japan	Intercompany sales to Japan
- Operating expenses	European sales and costs for future UCB market launches	US & RoW sales and costs for future Amgen market launches	Japanese sales
+/- Other operating income/expense	50% of profit outside Europe minus 50% of EU profit/loss ¹	50% of EU profit/loss ¹ minus 50% of profit outside Europe	
= Adj. EBITDA includes	50% of worldwide profit	50% of worldwide profit	

Due to lower European sales compared to world-wide sales, EVENITY® over-proportionally contributes to UCB's adjusted EBITDA

¹ Breakeven not reached yet, hence Amgen carries 50% of the European loss.
RoW = Rest of World

Breakthrough & Lead (2022-2025)

- **Lead in five specific patient populations** (partial-onset / focal epileptic seizures; psoriatic arthritis; women of child-bearing age; osteoporosis-related fractures; generalized myasthenia gravis)
- **Breakthrough and drive impact** with next generation of science and technologies
- **Engage and partner** with key stakeholders within UCB and across society to co-create sustainable impact and attract the next generation of talent




















Many Milestones Achieved and Many More to Come ...

Clinical results, approvals, submissions and regulatory reviews

CLINICAL

REGULATORY REVIEWS

SUBMISSIONS

2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	H1 2024
<p>Phase 3 results bimekizumab / HS</p> <p>Phase 3 results zilucoplan / gMG</p>	<p>► 2023 ongoing regulatory reviews = potential approvals, followed by launches</p> <div> <div>  APPROVAL  FINTEPLA® in EU for LGS </div> <div>  bimekizumab / PSO US </div> <div>  rozanolixizumab / gMG US </div> <div>  bimekizumab / PsA EU </div> <div>  bimekizumab / axSpA EU </div> <div>  bimekizumab / PsA Japan </div> <div>  bimekizumab AS / axSpA Japan </div> <div>  zilucoplan / gMG Japan </div> <div>  zilucoplan / gMG US & EU </div> </div>				<p>rozanolixizumab / gMG EU</p>
	<p>► 2023 planned submissions</p> <div> <div>  rozanolixizumab / gMG Japan </div> <div>  bimekizumab / PSA / nr-axSpA / AS US </div> <div>  bimekizumab / HS US & EU </div> <div>  bimekizumab / HS Japan </div> <div>  brivaracetam / Japan </div> <div>  fenfluramine / LGS Japan </div> <div>  bimekizumab / PSA / nr-axSpA / AS Japan </div> </div>				<p>...leading to potential launches in 2024</p>

... a Remarkable UCB Clinical Development Pipeline

Nine clinical development assets

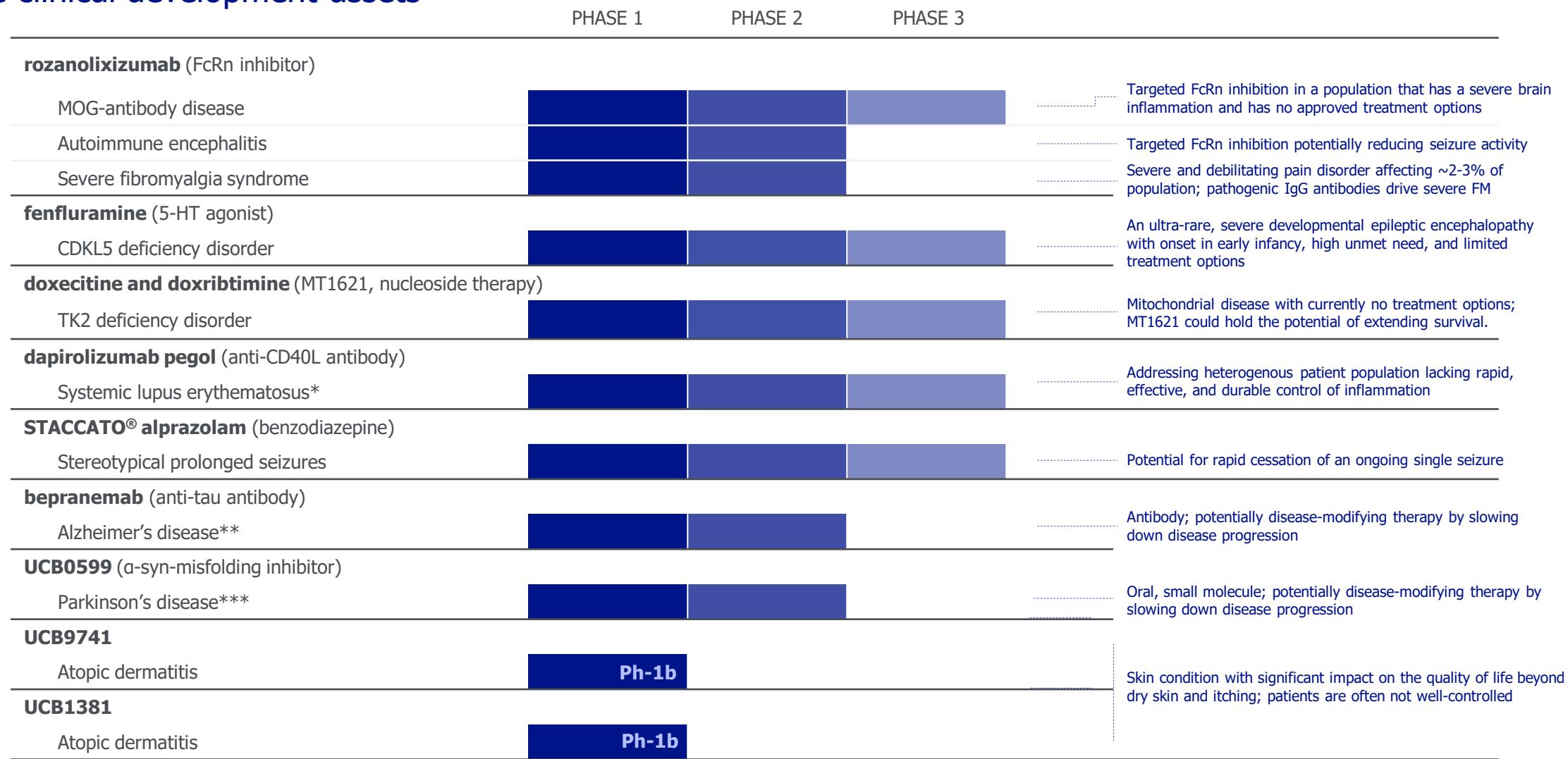
	PHASE 1	PHASE 2	PHASE 3	
rozanolixizumab (FcRn inhibitor)				
MOG-antibody disease				Topline results H2 2024
Autoimmune encephalitis				Topline results H1 2024
Severe fibromyalgia syndrome				Topline results H2 2024 ----- New indication
fenfluramine (5-HT agonist)				
CDKL5 deficiency disorder				Topline results H2 2024
doxecitine and doxribtimine (MT1621, nucleoside therapy)				
TK2 deficiency disorder				Starting submissions in H1 2024 ----- Submissions timeline modification
dapirolizumab pegol (anti-CD40L antibody)				
Systemic lupus erythematosus*				Topline results H1 2024
STACCATO® alprazolam (benzodiazepine)				
Stereotypical prolonged seizures				Topline results H1 2024
bepranemab (anti-tau antibody)				
Alzheimer's disease**				Topline results Q4 2024 ----- Recruitment completed ahead of time and topline results expected earlier than previously announced
UCB0599 (α-syn-misfolding inhibitor)				
Parkinson's disease***				Topline results Q4 2024 ----- Additional dosing arm, recruitment completed
UCB9741				
Atopic dermatitis		Ph-1b		----- New indication
UCB1381				
Atopic dermatitis		Ph-1b		----- New indication

*in partnership with Biogen; **in partnership with Roche / Genentech; ***in partnership with Novartis; 5-HT - 5-hydroxytryptamin or serotonin; α-syn – alpha-synuclein; CD40L – CD40 ligand; C5 – complement component 5; CDKL5 - cyclin-dependent kinase-like 5; H – half-year; IL – interleukin; FcRn - Neonatal fragment crystallizable receptor; MOG - myelin oligodendrocyte glycoprotein; Q – quarter; TK2d - thymidine kinase 2 deficiency. Assets not currently approved by any regulatory authority.

UCB - FY results 2022, Feb 2023

... a Remarkable UCB Clinical Development Pipeline

Nine clinical development assets



*in partnership with Biogen; **in partnership with Roche / Genentech; ***in partnership with Novartis; 5-HT - 5-hydroxytryptamin or serotonin; α-syn – alpha-synuclein; CD40L – CD40 ligand; C5 – complement component 5; CDKL5 - cyclin-dependent kinase-like 5; H – half-year; IL – interleukin; FcRn - Neonatal fragment crystallizable receptor; MOG - myelin oligodendrocyte glycoprotein; Q – quarter; TK2d - thymidine kinase 2 deficiency. Assets not currently approved by any regulatory authority.

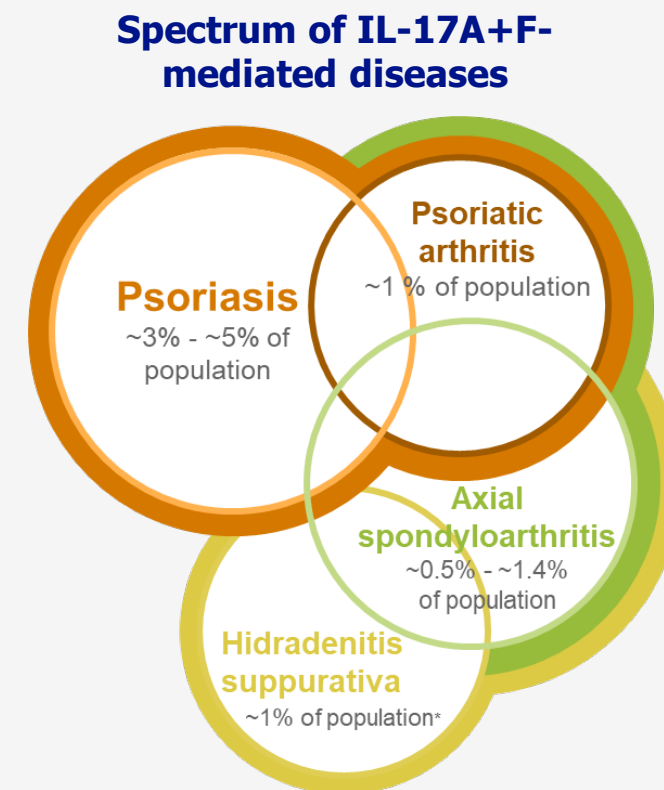
UCB - FY results 2022, Feb 2023

BIMZELX® (bimekizumab) Phase 3 Clinical Development Programs

>4 500 patients enrolled

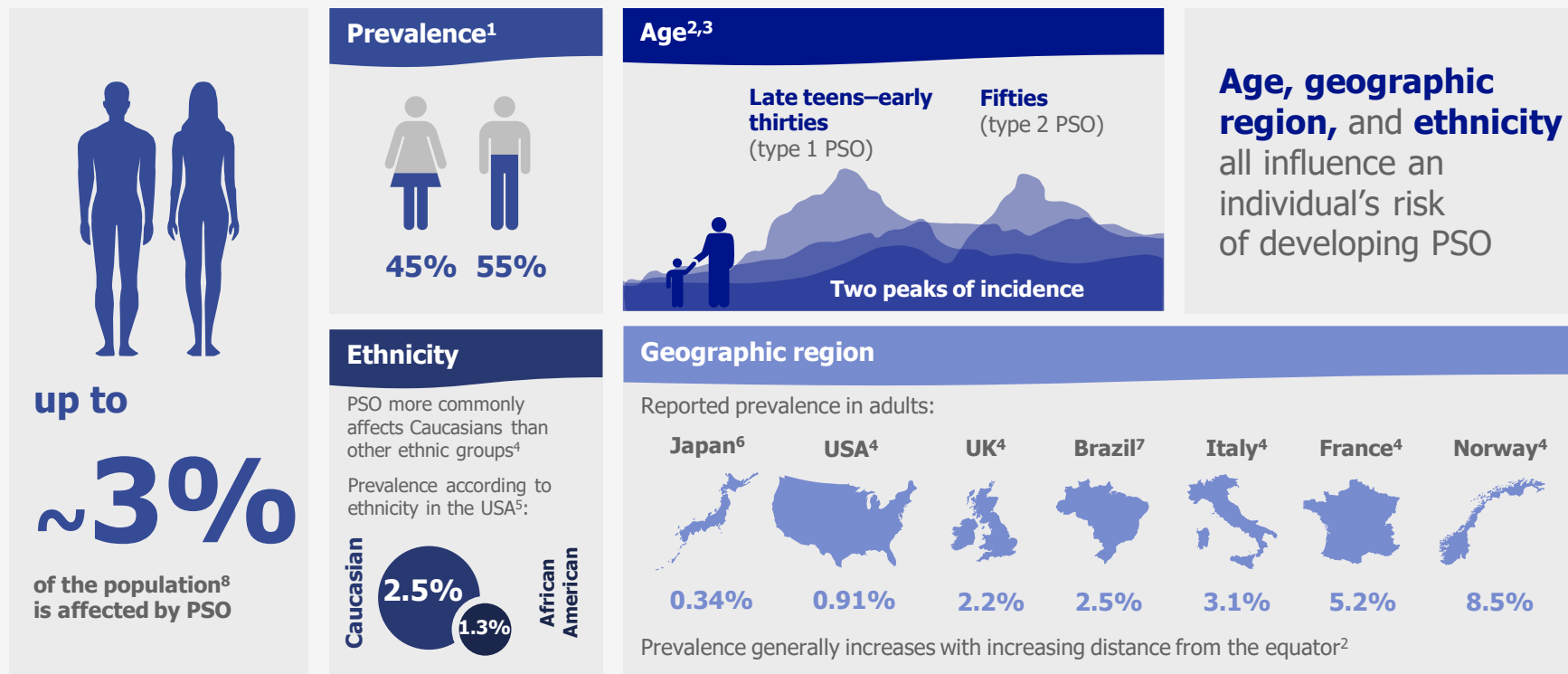
Psoriasis (PSO) 3x superior	Psoriatic arthritis (PsA)	Axial spondyloarthritis (nr-axSpA & AS)	Hidradenitis suppurativa (HS)
BE VIVID (PS0009) NCT03370133 (vs <i>ustekinumab</i>) BE READY (PS0013) NCT03410992 (vs placebo) BE SURE (PS0008) NCT03412747 (vs <i>adalimumab</i>) BE RADIANT (PS0015) NCT03536884 (vs <i>secukinumab</i>) > 2 000 patients*	BE OPTIMAL (PA0010) NCT03895203 (vs placebo) BE COMPLETE (PA0011) NCT03896581 (vs placebo) > 1 200 patients*	BE MOBILE1 (AS0010) NCT03928704 (vs placebo in nr-axSpA) BE MOBILE2 (AS0011) NCT03928743 (vs. placebo in AS/r-axSpA) > 500 patients*	BE HEARD I (HS0003) NCT04242446 (vs placebo) BE HEARD II (HS0004) NCT04242498 (vs placebo) ~ 1 000 patients*
EMA feedback Q3 2023 expected	EMA feedback Q3 2023 expected	EMA feedback Q3 2023 expected	Topline results H2'22; submissions from Q3 2023

Approved in EU, GB, JPN, CAN, KSA, AUS - filed in the US**



Latest data can be found here:
[Scientific Presentations, Abstracts, and Posters - Bimekizumab | UCB](#)

Psoriasis: High Prevalence Globally



1. Kimball AB et al. *Br J Dermatol*. 2014;171(1):137-147. 2. Crow JM. *Nature*. 2012;492(7429):S50-S51. 3. Langley RG et al. *Ann Rheum Dis*. 2005;64(suppl 2):ii18-23; discussion ii24-25. 4. Parisi R et al. *J Invest Dermatol*. 2013;133(2):377-385. 5. Enamandram M and Kimball AB. *J Invest Dermatol*. 2013;133(2):287-289. 6. Kubota K et al. *BMJ Open*. 2015 Jan 14;5(1):e006450. 7. Duarte GV et al. *Psoriasis(Auckl)*. 2015;5:55-64 8. Parisi R, et al. *J Invest Dermatol*. 2013;133:377-385.

Psoriatic Arthritis: High Unmet Need and Disease Burden

Psoriatic arthritis (PsA)

PsA is a complex disease with a **broad range of manifestations**, including swelling of the joints, entheses, and skin psoriasis¹⁻³

It is associated with **six key disease domains**⁴



Peripheral arthritis



Axial disease



Enthesitis



Dactylitis

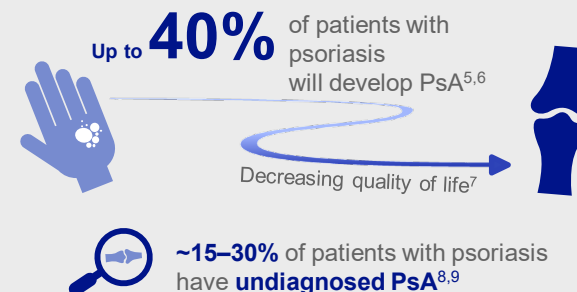


Skin



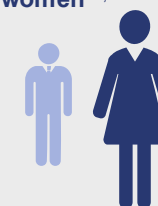
Nails

Disease progression

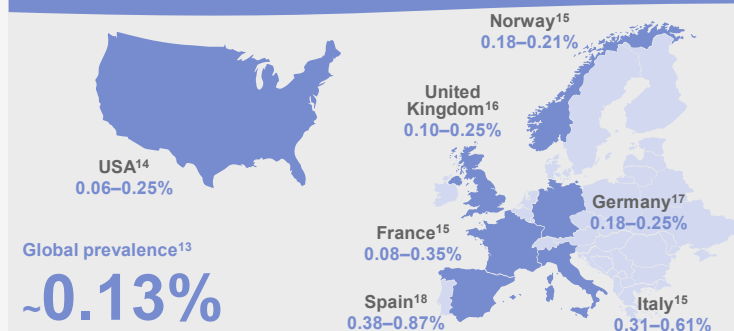


Gender differences

Diagnosis is delayed¹⁰ and outcomes are **worse in women**^{11,12}



Prevalence by geographic region



Burden of disease

Pain/swelling¹⁹



Itching⁷



Depression, anxiety and mental health^{11, 20}



Difficulty with everyday activities²¹



Quality of life reduced^{20,21}



Approximately **1 in 3** patients achieve **minimal disease activity criteria** in real-life studies with current treatments^{*22}

*Based on a study of patients in cross-sectional and cohort studies (n=39) fulfilling 5 out of the 7 MDA criteria: tender joint count (TJC) ≤1; swollen joint count (SJC) ≤1; psoriasis activity and severity index (PASI) ≤1 or body surface area (BSA) ≤3; patient pain visual analogue scale (pain VAS) score ≤15; patient global disease activity (global VAS) score ≤20; health assessment questionnaire (HAQ) score ≤0.5; and tender enthesal points ≤16. 1. NHS. Psoriatic arthritis, 2019. Available at: <https://www.nhs.uk/conditions/psoriatic-arthritis/>. Accessed October 2020. 2. Ocampo DV et al. F1000Research. 2019;8:F1000 Faculty Rev-1665. 3. Gladman DD. F1000Research. 2016;5:2670–2670. 4. Coates LC et al. Arthritis Rheumatol. 2016;68(5):1060–1071. 5. Mease PJ and Armstrong AW. Drugs. 2014;74(4):423–441. 6. Gladman DD et al. Ann Rheum Dis. 2005;64 Suppl 2:ii14–17. 7. Kavanaugh A et al. Rheumatol Ther. 2016;3(1):91–102. 8. Villani et al. J Am Acad Dermatol. 2015;73:242–248. 9. Haroon M et al. Ann Rheum Dis. 2015;74(6):1045–1050. 10. Jovani V et al. PLoS One. 2018;13(10):e0205751. 11. Nas K et al. Ann Rheum Dis 2019; 78(Suppl 2):920–921. 12. Eder L et al. Ann Rheum Dis. 2013;72(4):578–582. 13. Scotti L et al. Semin Arthritis Rheum 2018;48(1):28–34. 14. Ogdie A and Weiss P. Rheum Dis Clin North Am 2015;41(4):545–568. 15. Alamanos Y et al. J Rheumatol. 2008;35:1354–1358. 16. Ogdie et al. Rheumatology. 2013;52(3):568–575. 17. Sewerin P et al. Ann Rheum Dis. 2019;78:286–287. 18. Pérez A et al. PLoS One. 2020;15(6):e0234556. 19. Lebwohl MG et al. J Am Acad Dermatol. 2014;70(5):871–881. 20. Salaffi F et al. Health Qual Life Outcomes. 2009;7:25. 21. Picchianti-Diamanti A et al. Qual Life Res. 2010;19:821–826. 22. Zardin-Moraes M et al. J Rheumatol. 2020;47(6):839–846.

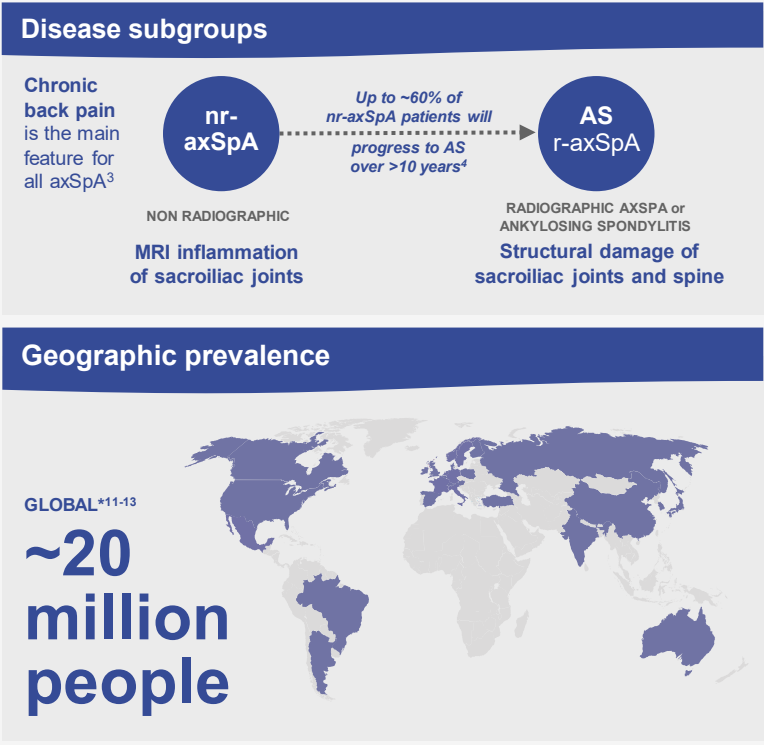
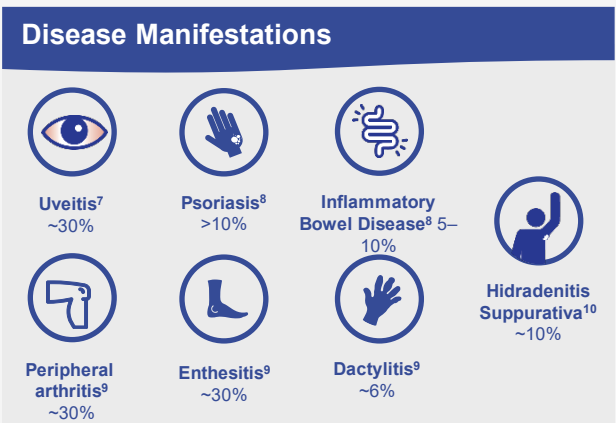
Axial Spondyloarthritis (axSpA)

Much more than just ordinary back pain



A painful chronic inflammatory disease that starts in the sacroiliac joints and progresses to the spine, ultimately causing spinal fusion in many patients over time¹

Patients experience disease onset **before age 45**, often in their 20's. Patients typically have a delay in diagnosis of **8.5 years**²



*To estimate the global population of people with axSpA, the following calculation was performed: an AS global prevalence of ~0.13%¹¹ was applied to a global population of 7.8 billion people¹² and the figure multiplied by two, as AS patients are estimated to make up half of the total axSpA patient population.^{11,13} 1. Sieper J et al. Nat Rev Dis Primers. 2015;1:15013. 2. National Axial Spondyloarthritis Society. Facts and Figures, 2021. Available at: <https://nass.co.uk/about-as/as-facts-and-figures/>. Accessed January 2021. 3. Strand V and Singh JA. Mayo Clin Proc. 2017;92(4):555–564. 4. Robinson PC et al. Nat Rev Rheumatol. 2020 Dec 23. Epub ahead of print. 5. Ward MM et al. Arthritis Rheumatol. 2019;71(10):1599–1613. 6. Boonen A et al. Semin Arthritis Rheum. 2015;44(5):556–562. 7. Rosenbaum JT. Clin Rheumatol. 2015;34(6):999–1002. 8. Taurog JD et al. N Engl J Med. 2016;375(13):1303. 9. de Winter JJ et al. Arthritis Res Ther. 2016;18(1):196. 10. Rondags A et al. Semin Arthritis Rheum. 2019;48(4):611–617. 11. Akkoc and Khan. Curr Rheumatol Rep. 2020;22(9):54. 12. United Nations Population Fund. World Population Dashboard, 2020. Available at: <https://www.unfpa.org/data/world-population-dashboard>. Accessed January 2021. 13. Proft F et al. Ther Adv Musculoskelet Dis. 2018;10(5-6):129–139.

Hidradenitis Suppurativa (HS)

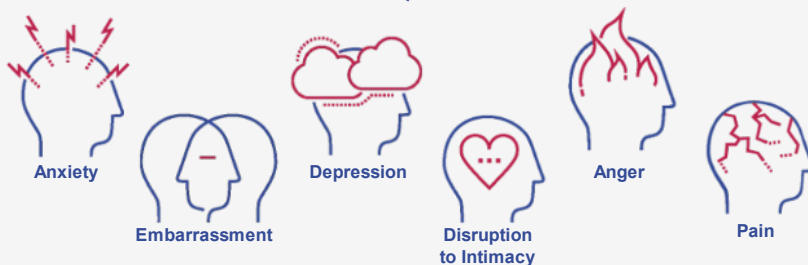
Under-recognized inflammatory disease with severe impact on people living with this disease



Hidradenitis suppurativa (HS)

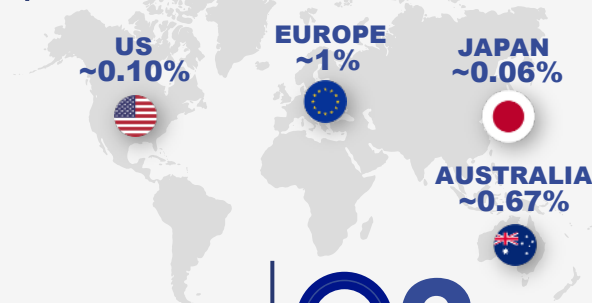
A debilitating, chronic, inflammatory skin disease of the hair follicle that presents with painful, inflamed lesions in the armpits, genital area, groin, buttocks/anus, and breasts resulting in painful, inflamed lesions, lumps, cysts, scarring

SEVERE IMPACT ON QOL



PREVALENCE

AFFECTS UP TO 1%



DIAGNOSIS



Not Understood

Significant delays in diagnosis ranging from **3.7–23.7 yrs.**

Resulting in intense pain, progressive scarring, and psychological damage



more **common** in **women** than men

MULTIPLE CO-MORBIDITIES



Inflammatory Bowel Disease (IBD)



Acne Vulgaris (AV)



Diabetes



Axial Spondyloarthritis (axSpA)

OTHER CO-MORBIDITIES

Psychological Disorders
Metabolic Syndrome
Squamous Cell Carcinoma
Down Syndrome

Zouboulis et al, J Eur Acad Dermatol Venereol 2015;29:619-44; Alikhan et al, J Am Acad Dermatol 2019;81:76-90; Jemec GBE et al, N Engl J Med 2012;366:158-64; Garg A et al, JAMA Dermatol 2017;153:760-4; Phan et al. Biomedical Dermatology (2020) 4:2; Calao M et al, Plos One 2018;13:1-23; Canadian Hidradenitis Suppurativa Foundation. What is HS? <http://hsfoundation.ca/en/what-is-hs/>. Accessed 2020-03-26.; Amit et al. Journal of the American Academy of Dermatology, Volume 82, Issue 2, 366 – 376; Kluger N et al, Skin Appendage Disord 2017;3:20-7

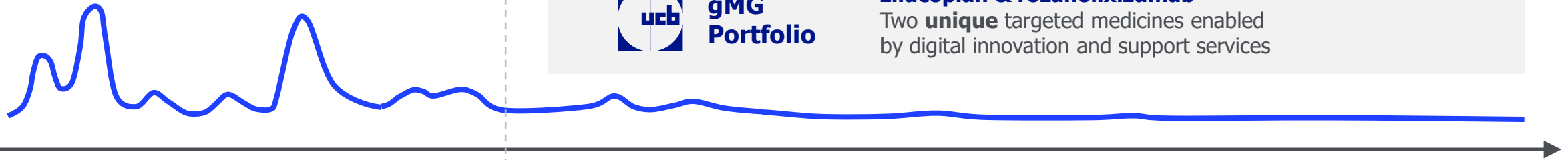
Unique portfolio comprising two mechanisms of action poised to transform the Myasthenia Gravis landscape



**gMG
Portfolio**

zilucoplan & rozanolixizumab

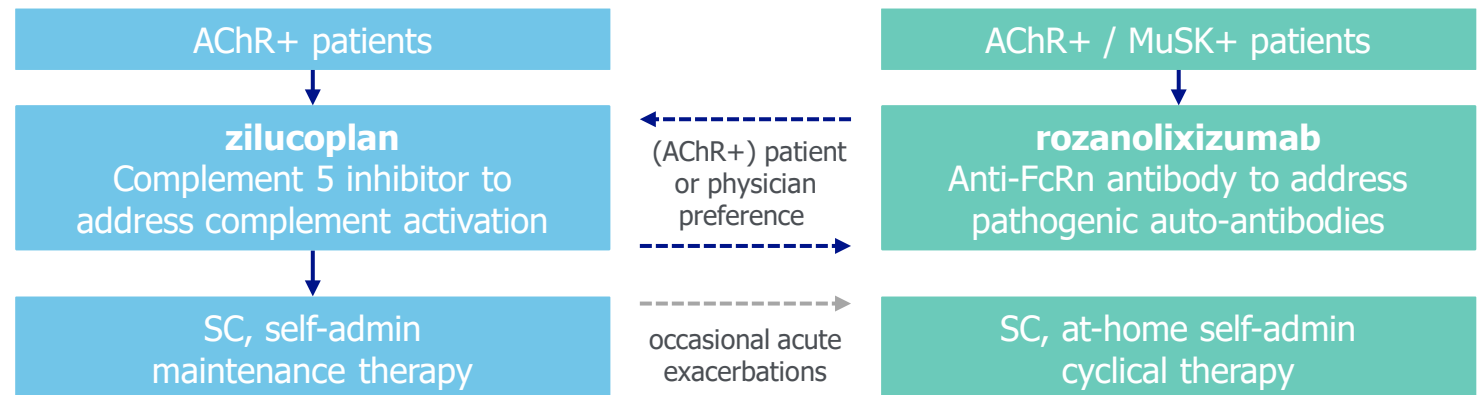
Two **unique** targeted medicines enabled by digital innovation and support services



Current treatment options

- Many patients not well-controlled
- High level of disease and treatment burden





Dual mechanisms of action approach to address individual needs of patients



Treatment goals

- Fewer people experience exacerbations
- More symptom free days

Rozanolixizumab: Potential in Multiple IgG Autoantibody-Mediated Diseases With High Unmet Medical Need

	Generalized myasthenia gravis (MG)	Myelin oligodendrocyte glycoprotein (MOG)-antibody disease	Autoimmune encephalitis (AIE)	Severe fibromyalgia
	auto-antibodies targeting components of neuromuscular junction	auto-antibodies targeting MOG leading to inflammatory demyelination in the CNS	auto-antibodies targeting the LGI1 protein on healthy cells in the CNS leading to localized swelling and inflammation	Pathogenic IgG accumulation in dorsal root ganglia recently associated with <u>severe</u> fibromyalgia
	<ul style="list-style-type: none"> muscle weakness (extremities, eyes, bulbar and respiratory symptoms) fatigue 	<ul style="list-style-type: none"> monophasic or relapsing course of neurological dysfunction including optic neuritis (ON), transverse myelitis (TM), and acute disseminated encephalomyelitis (ADEM) temporary and residual permanent disability (in particular, blindness, reduced visual acuity and limited mobility, as well as residual permanent bladder issues, bowel and erectile dysfunction) 	<ul style="list-style-type: none"> cognitive impairment seizures (including faciobrachial dystonic seizures, other focal seizures, and tonic-clonic seizures) hyponatremia sleep disorders 	<ul style="list-style-type: none"> Chronic (>3months) and widespread pain Hypersensitivity to pain stimuli Chronic fatigue Sleep disturbance Cognitive impairment
	~ 10 - 45 cases / 100 000	~1 - 4 / 100 000	~ 0.7 / 100 000	~ 200 cases / 100 000 (diagnosed severe fibromyalgia)
	<ul style="list-style-type: none"> Surgery (thymectomy) Steroids, steroid-sparing drugs Plasma exchange (PLEX) IV immunoglobulin (IVIg) 	<ul style="list-style-type: none"> No approved therapy No formal treatment guidelines established 	<ul style="list-style-type: none"> immunotherapy and symptomatic therapy including antiseizure medications PEX, IVIg 	<ul style="list-style-type: none"> US: pregabalin, duloxetine and milnacipran JPN&CHN : pregabalin EU: nil approved <i>G7 off-label: antidepressants, ASMs, IVIg, PLEX</i>

Rozanolixizumab: Targeted Approach Recycling IgG

Transforming disease burden for patients



HOW

Blocking of FcRn receptor binding of plasma IgG¹...

... resulting in the attenuation of IgG recycling, and thus removal of IgG autoantibodies



WHO

Patients living with IgG-mediated autoimmune diseases

Chronic diseases with unpredictable fluctuations and high treatment-associated burden (hospital setting, invasive)

**generalized
myasthenia gravis
(gMG)**

**Phase 3 positive
results published at
MGFA Meeting 2022***

MG0003 / [NCT03971422](#)
200 patients; 3 arms;
(*rozanolixizumab* vs. placebo)
MG-ADL Score @ Day 43

**autoimmune
encephalitis
(AIE)**

**Phase 2 started in
Q3 2021**
**Topline results H1
2024**

AIE001 / [NCT04875975](#)
68 patients; 2 arms;
(*rozanolixizumab* vs. placebo)
Seizure freedom for 25 weeks²

**myelin
oligodendrocyte
glycoprotein (MOG)-
antibody disease**

**Phase 3 started in
Q4 2021**
**Topline results in H2
2024**

MOG001 / [NCT05063163](#)
104 patients; 2 arms
(*rozanolixizumab* vs. placebo);
Time from randomization to first
independently centrally
adjudicated relapse during the
double-blind treatment period

Severe fibromyalgia

**Phase 2 started in Q4
2022**
**Topline results in H2
2024**

FM0001 / [NCT05643794](#)
60 patients; 3 arms;
(*rozanolixizumab* vs. placebo);
Brief Pain Inventory short form (BPI-
SF) average interference score after
12 weeks of treatment

* Please copy and paste this address to see the abstracts as an active link is prohibited:
<https://onlinelibrary.wiley.com/doi/10.1002/mus.27540>

Latest data can be found here:
[Scientific Presentations, Abstracts,
and Posters - Rozanolixizumab | UCB](#)



Inspired by **patients.**
Driven by **science.**

¹IgG: Immunoglobulin G; ²seizure freedom is defined by 28 consecutive days of no seizures maintained until the end of the Treatment Period; rozanolixizumab is an investigational product and is not approved for any indication by any regulatory authority in the world. Rozanolixizumab requires additional studies before any conclusions for safety and efficacy can be made.

Zilucoplan* Clinical Development Programs

generalized myasthenia gravis (gMG)

Phase 3

[Positive topline results](#)
[published Feb. 2022](#)

RAISE / [NCT04115293](#)
174 patients
2 arms (*zilucoplan* vs placebo)
MG-ADL Score @ week 12

- Positive topline results show the Phase 3 RAISE zilucoplan trial met primary and all key secondary endpoints in adults with gMG
- The results show a favorable safety profile and good tolerability
- UCB plans to proceed with zilucoplan regulatory submissions later this year
- Results follow recent positive topline data from the Phase 3 MycarinG study investigating rozanolixizumab, a monoclonal antibody also being developed by UCB in the same indication
- These results are the latest in a series of positive phase 3 data announcements by the company across its product pipeline

Latest data can be found here:
[Scientific Presentations, Abstracts,
and Posters - Zilucoplan | UCB](#)

Systemic Lupus Erythematosus (SLE)

GLOBAL BURDEN OF LUPUS

Lupus is a chronic (long-term) disease that can cause inflammation and pain in any part of your body. As an autoimmune disease (meaning that your immune system attacks healthy tissue) instead, lupus most commonly affects: Skin, Joints, and Internal organs, like your kidneys and heart

(Source: Lupus Foundation of America)

COMMON SYMPTOMS



Pain or swelling in the joints



Extreme fatigue (feeling tired all the time)



Sensitivity to sun light or fluorescent light



Chest pain when breathing deeply



Low grade fevers

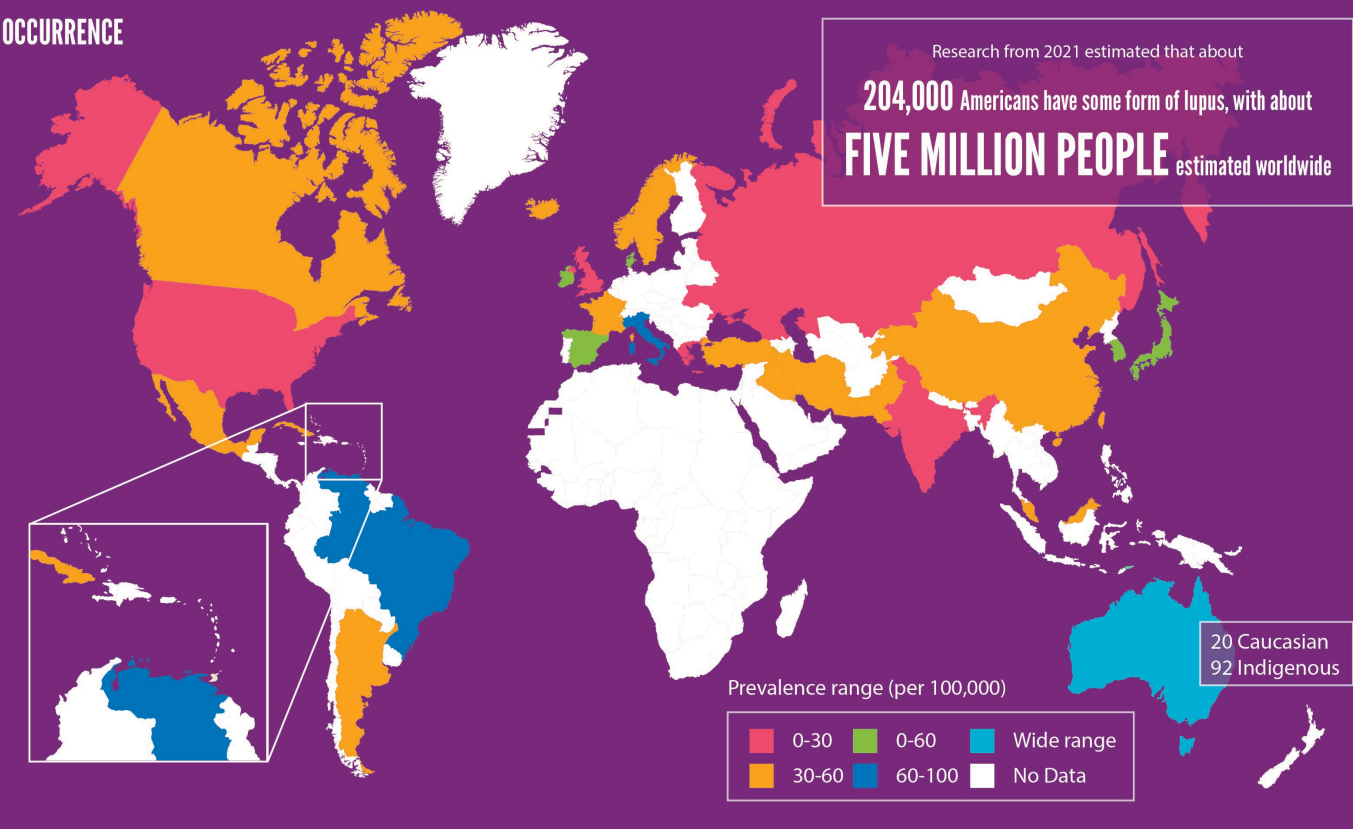


Swelling in the hands, feet, or around the eyes



Headaches

OCCURRENCE



Systemic Lupus Erythematosus (SLE)

Inflammation in many organ systems simultaneously or sequentially

More about lupus on <https://www.ucb.com/disease-areas/Lupus>;
¹Source: <https://www.lupus.org/resources/what-is-lupus> accessed 19 November 2020; ²African American, Hispanic and Native American. Women; *dapirolizumab pegol* is an investigational product and is not approved for any indication by any regulatory authority in the world. *dapirolizumab pegol* requires additional studies before any conclusions for safety and efficacy can be made.

Systemic Lupus Erythematosus (SLE) is a disease of **flares and remissions**, with symptoms that can include:



Facial or other rashes



Joint pain, stiffness and swelling



Headaches, confusion, memory loss

Symptoms vary by individual
Range from fatigue, joint pain, butterfly shaped skin rash across the face, fever, weight/ hair loss, and photosensitivity

Systemic Lupus Erythematosus (SLE) affects more than 5 million people globally,



the majority of whom are women of child-bearing age.

Lupus predominantly affects women¹

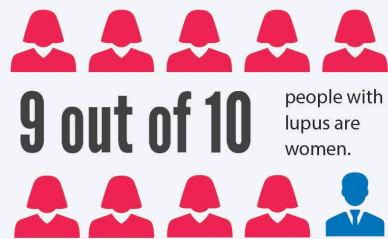
- 80-90% of cases between 15 – 45
- Disproportionately affects women of colour²

Opportunity to focus on the underserved patient population

- minorities who often have more severe disease
- underrepresented in clinical research
- may experience unique challenges accessing health care

EPIDEMIOLOGY

Anyone can develop lupus. But certain people are at higher risk for lupus, including:



LIFE EXPECTANCY



It is believed that between 10-15% OF PEOPLE WITH LUPUS will die prematurely due to direct or indirect effects of the disease and its treatment.

However, due to improved diagnosis and disease management, most people with the disease will go on to live a normal life span.

(Source: Lupus Foundation of America)



CELEBRITIES

According to Wonderwall, celebrities with lupus include:



LADY GAGA



SELENA GOMEZ



SEAL

CERTAIN RACIAL OR ETHNIC GROUPS – INCLUDING PEOPLE WHO ARE

African American | Asian American | Hispanic/Latino
Native American | Pacific Islander



People who have an immediate family member (such as parents or siblings) with lupus or another autoimmune disease

1 IN 3 LUPUS PATIENTS

have another autoimmune disease



(Source: Lupus Foundation of America)

Dapirolizumab Pegol Phase 3 Clinical Development Program

50/50 partnership with Biogen; topline results H1'24

PHOENYCS GO (SL0043)
[NCT04294667](#)
450 patients
1 dosing regimen (dose not disclosed) vs. placebo



Primary endpoint: BICLA response @ week 48
To evaluate the ability of DZP as an add-on treatment to SOC medication to achieve Clinically relevant long-term improvement of moderate to severe disease activity.

Partnership With Novartis Leverages UCB Sciences

Sharing high-risk, high-reward, and investments needed for disease-modifying therapies in **Parkinson's disease**

10m people are living with Parkinson's Disease (PD) worldwide¹

UCB0599

Potential first-in-class, small molecule, alpha-synuclein, misfolding inhibitor

Partnered with Novartis
(December 2021)

High unmet need given lack of disease-modifying therapies

UCB and Novartis have entered into an agreement²

FOR... **UCB0599**

(alpha-synuclein misfolding inhibitor, in Phase 2)

WITH... **opt-in for UCB7853**

(anti-alpha-synuclein antibody, in Phase 1)

Co-development and co-commercialization partnership:

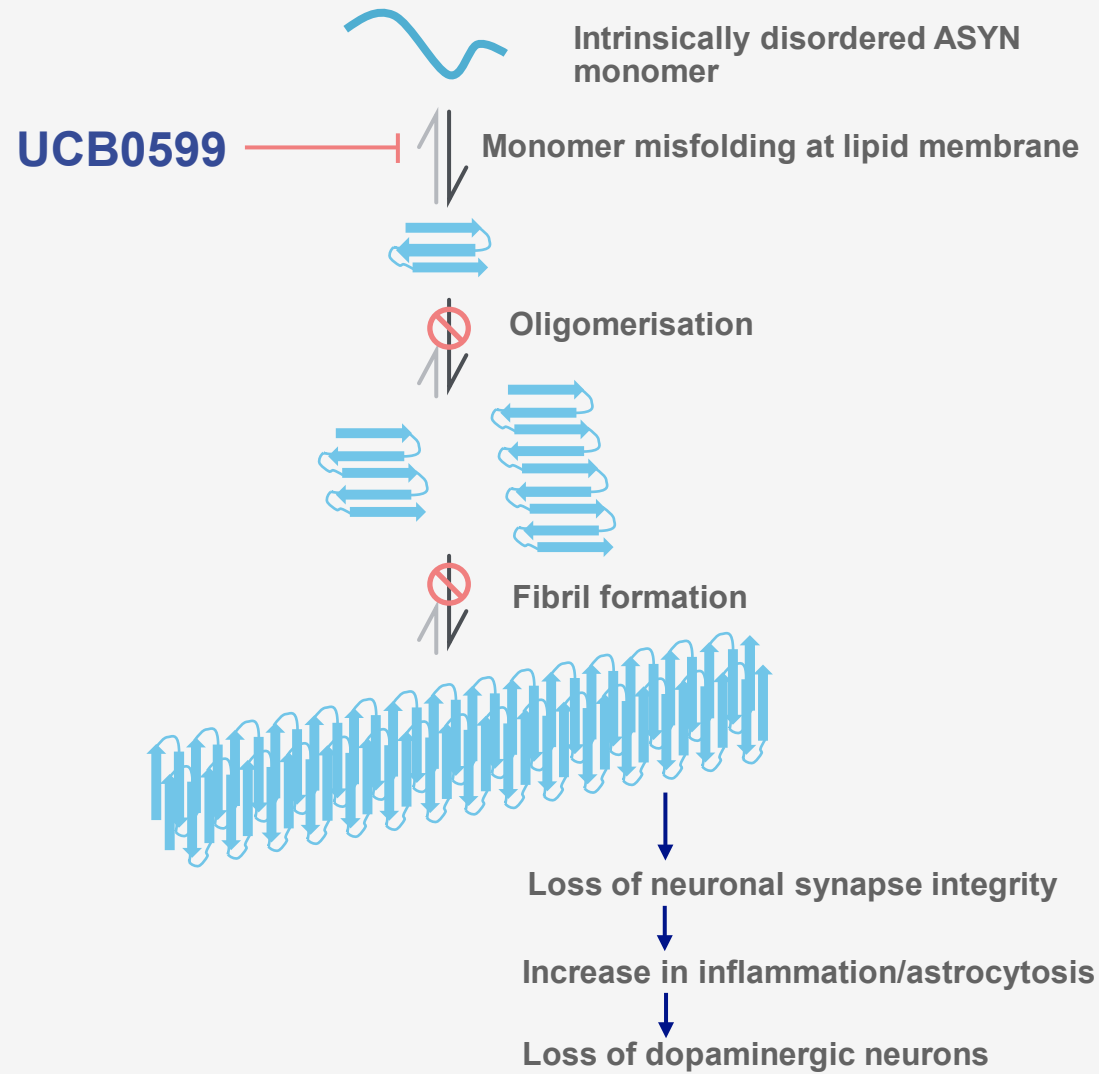
- UCB received upfront payment (US\$150m) and is eligible to receive further potential payments with a total consideration approaching US\$1.5 bn³
- If approved, commercial responsibilities will be split, with UCB being the marketing authorization holder and commercial lead in Europe and Japan, and Novartis in the US and all other territories



Inspired by **patients.**
Driven by **science.**

1. Parkinson's Foundation. Parkinson's Disease Statistics. <https://www.parkinson.org/Understanding-Parkinsons/Statistics>.
2. Closing of the transaction remains subject to obtaining antitrust clearances
3. upon receipt of certain regulatory approvals and satisfying certain development and sales related milestones

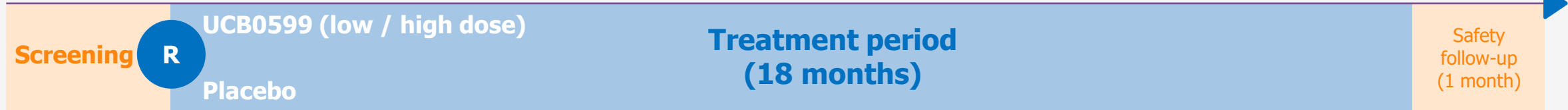
UCB0599 is an Oral Small Molecule Inhibitor of ASYN Misfolding



- UCB0599 is an oral small molecule that binds to ASYN early in the pathological aggregation process^{1,2}
- UCB0599 is thought to prevent the initial misfolding of ASYN that leads to fibril formation and consequent progression of PD¹⁻⁵
- A Phase 2 study is underway to evaluate the efficacy of UCB0599 in slowing disease progression in patients with early-stage Parkinson's disease (ORCHESTRA study; PD0053; NCT04658186)⁶⁻⁸

A Phase 2, Proof-Of-Concept Study of UCB0599 in Early Parkinson's Disease (The Orchestra Study; PD0053) is Underway

NCT04658186¹ / EudraCT 2020-003265-19²



Patients¹

- Participants will be randomized to receive either a predefined high or low dosage of UCB05099 or a placebo dosage.
- Adults (aged 40–75 years) with confirmed PD within 2 years of baseline visit
- Bradykinesia plus muscular rigidity and/or resting tremor
- No clear family history, or confirmation, autosomal-dominant PD
- Modified Hoehn and Yahr stage ≤ 2 at screening
- No prior medication for PD motor symptoms or likely need for symptomatic treatment within 6 months
- Has not previously participated in disease-modifying treatment studies for neurodegenerative diseases



Primary endpoint¹

- MDS-UPDRS Parts I-III sum score (BL–18 months)

Secondary endpoints¹

- Clinical symptoms
 - Individual MDS-UPDRS subscale scores (BL–18 months)
 - Time to worsening of disease on MDS-UPDRS Part III scale (BL–18 months)
 - Change in MoCA (screening–18 months)
 - Time to start symptomatic treatment (BL–18 months)
 - Number of patients receiving symptomatic treatment (BL–18 months)
- Neurodegeneration
 - Change in DaT-SPECT mean striatum SBR (screening–18 months)
- Safety: Incidence of TEAEs and SAEs; TEAEs leading to withdrawal (BL–19 months)



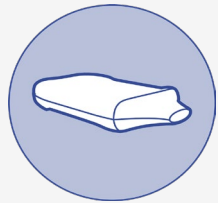
Inspired by patients.
Driven by science.

BL, baseline; DaT-SPECT, Dopamine Transporter Imaging with Single Photon Emission Computed Tomography; EU, European Union; MDS-UPDRS, Movement Disorder Society Unified Parkinson's Disease Rating Scale; MoCA, Montreal Cognitive Assessments; PD, Parkinson's disease; R, randomised; SAEs, serious adverse events; SBR, specific binding ratios; TEAEs, treatment-emergent adverse events.

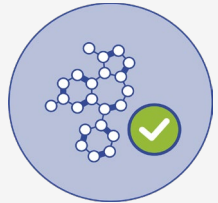
1. ClinicalTrials.gov <https://clinicaltrials.gov/ct2/show/study/NCT04658186> 2. EU Clinical Trials Register <https://www.clinicaltrialsregister.eu/ctr-search/search?query=2020-003265-19>.

Developing STACCATO® *alprazolam* for Rapid Cessation of an Ongoing Seizure in Patients With Stereotypical Prolonged Seizures

STACCATO® *alprazolam* is a drug-device combination for inhalation of alprazolam, administered by a patient or care giver in an out-patient setting, to rapidly terminate (within 90 seconds) an ongoing seizure.



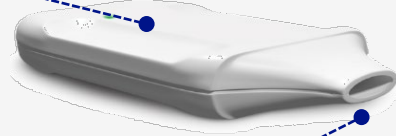
STACCATO® delivery technology:
FDA- and EMA-approved^{1,2}



***alprazolam*:**
a well-known benzodiazepine³



Delivers *alprazolam*
with a single, normal breath, to potentially terminate an ongoing seizure in <90 seconds²



- Potential to deliver on-demand, rapid seizure termination for 20 - 30% of people living with epilepsy
- The STACCATO® system rapidly vaporizes alprazolam to form an aerosol, with particle size designed for deep lung delivery to produce a rapid, systemic effect.
- Phase 2b clinical trial completed (end 2019); Phase 3 started Q4 2021; topline results in H1 2024
- UCB to perform further clinical development, regulatory filings, launch and commercialization

STACCATO® *alprazolam* is an investigational product and is not approved for any indication by any regulatory authority in the world. STACCATO® *alprazolam* requires additional studies before any conclusions for safety and efficacy can be made.

Image is for illustrative purposes only.

EMA, European Medicines Agency; FDA Food and Drug Administration.

1. Alexza Pharmaceuticals. Staccato® One Breath Technology. Available at: <http://staccatoobt.com> (accessed November 2020); 2. UCB. Data on file. Engage Therapeutics.

It's About Time: Finding The Power to Terminate Epileptic Seizures. April 2020. Confidential Overview; 3. French JA, et al. *Epilepsia* 2019;60:1602–609.

STACCATO[®] *alprazolam* Phase 3 Clinical Development Program

STACCATO[®] *alprazolam* is an orally inhaled investigational therapy with the potential to rapidly terminate an ongoing seizure. Topline results expected during H1 2024.

EP0162 / NCT05077904

*A Study to Test the Efficacy and Safety of STACCATO[®] *alprazolam* in Study Participants 12 Years of Age and Older With Stereotypical Prolonged Seizures*

Maximum of 250 participants randomized to a single dose of STACCATO[®] *alprazolam* or placebo

Primary outcome measures:

- 1. Treatment success for the treated seizure within 90 seconds after investigational medicinal product administration
- 2. Treatment success for the treated seizure with no recurrence after 2 hours

EP0165 / NCT05076617

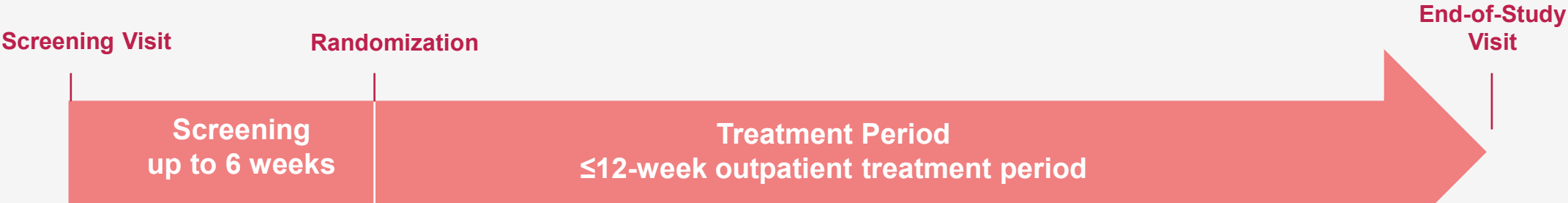
*A Study to Test the Safety and Tolerability of STACCATO[®] *alprazolam* in Study Participants 12 Years of Age and Older With Stereotypical Prolonged Seizures*

Approximately 250 participants will be treated with STACCATO[®] *alprazolam*

Primary Safety objective:

Frequency of adverse events (all adverse events, serious and those leading to discontinuation)

EP0162 Study Periods:

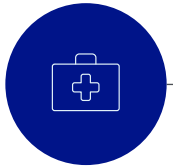


Fenfluramine Offers New Hope for Individuals and Families Living with Challenging Developmental Epileptic Encephalopathies (DEEs)

Dravet Syndrome (DS)	Lennox-Gastaut Syndrome (LGS)	CDKL5 Deficiency Disorder (CDD)
~12k - 15k US, EU, JPN prevalence	~60k - 100k US, EU, JPN prevalence	~8k - 10k US, EU, JPN prevalence
>80% of patients remain uncontrolled on existing AED regimens Premature childhood mortality, primarily SUDEP, of ~20%	Vast majority of patients on multi-drug treatment regimens of 2-5 ASMs as they experience multiple types of seizures, that change in type and frequency throughout life Higher risk of status epilepticus and sudden death	Nearly three-quarters of individuals with CDD take 2 or more ASMs simultaneously >70% of patients experience daily seizures High risk of SUDEP
Foundational Therapy Profound impact on seizures exceeding expectations of what could be possible in DS	The New Next Option Proven efficacy on LGS's most challenging seizures proven efficacy as an adjunctive therapy	Phase 3 trial ongoing, topline results H2 2024 Novel, complementary MOA with demonstrated impact on refractory seizure disorders

Fenfluramine Creating Meaningful Value to Patients & HCPs across Dravet & Lennox-Gastaut Syndrome

Dravet Syndrome



Largest reduction in seizures associated with Dravet Syndrome – 1st or 2nd line recommendation in International DS Consensus.¹⁴



Dramatically lowers seizures leading to SUDEP mortality compared to previous standard of care – All-cause and SUDEP mortality rate was 1.7 per 1000 person-years compared to 9.3 related to SUDEP alone for persons with DS receiving standard-of-care.⁴

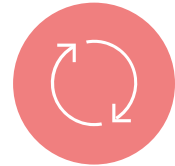


Improved everyday executive functioning
Children and young adults who experienced a significant ($\geq 50\%$) reduction of seizure frequency (78%) also showed improvement in emotional and cognitive regulation.⁶

Lennox-Gastaut Syndrome



Profound seizure reduction in highest refractory population studied sustained for up to 15 months in added to current standard of care.^{4,13}



Substantial improvement in LGS-related cognitive and functional deficits – emotion, behavior, cognition and QoL.¹⁵



Significant improvement in tonic-clonic seizures a primary risk factor for SUDEP.^{12,13}



Inspired by patients.
Driven by science.

1. Sourbron J et al. Front Pharmacol 2017;8:191; 2. Baumann MH et al. Neuropsychopharmacology 2014;39:1355–65; 3. Fenfluramine Summary of Product Characteristics (SmPC); 4. Knupp KG et al. Epilepsia. 2022;00:1–13; 5. Martin P et al. Epilepsy & Behavior. 127 (2022) 108526; 6. Bishop KI et al. Epilepsy & Behavior 121 (2021) 108024; 7. Bishop K et al. American Academy of Neurology (AAN); April 17–22 2021; 8. Lagae L et al. Lancet 2020;394:2243–54; 9. Nabbout R et al. JAMA Neurol 2020;77:300–08; 10. Sullivan J et al. Epilepsia 2020;61:2396–2404; 11. Lai W et al. Epilepsia 2020;61:2386–95; 12. Cross JH et al. Seizure 2021;39:154–159; 13. Knupp et al. JAMA Neurol. 2022;79(6):554–564; 14. Wirrell et al. Epilepsia 2022; 63(7):1761–1777; 15. Jensen MP Epilepsy Research 185 (2022) 106976; 16. Strzelczyk et al. Epilepsia. 2021; 62(10):2518–2527; 17. Specchio N Epilepsia 2020;61(11):2405–2414.

CDKL5 Deficiency Disorder (CDD)

An ultra-rare, severe developmental epileptic encephalopathy with onset in early infancy, high unmet need, and limited treatment options ^{1,2,3}

Cyclin-dependent kinase like-5 (CDKL5) deficiency disorder (CDD)

CDD can manifest in a broad, complex range of clinical symptoms and severity.³ The hallmarks are early-onset epilepsy and neurodevelopmental delay impacting cognitive, motor, speech, and visual function. In 90% of patients, early onset of seizures are observed in the first year of life, usually at six weeks of age.⁴ The highly refractory nature of epilepsy in CDD puts many individuals with CDD at **high risk for SUDEP** (Sudden Unexpected Death in Epilepsy).¹⁰

DIAGNOSIS

Not Understood

The cause of CDD is not known at this time. CDKL5 gene mutations have been found in children diagnosed with Infantile Spasms, West Syndrome, Lennox-Gastaut syndrome, Rett Syndrome, cerebral palsy, autism, and intractable epilepsy of unknown origin.⁴



CDD by the Numbers

- 2.36 estimated incidence per 100,000 live births
- <1,000 individuals with CDD in the world are known to patient registries
- >80% of children experience daily seizures
- 6 weeks median age at onset of seizures, 90% by 12 months of age ^{5,7,9}

♀ 4x
more common in girls than boys

Types of Seizures

- Most common initial seizure type at onset was tonic seizures, followed by infantile (or epileptic) spasms and generalized tonic-clonic seizures, and focal seizures
- Over time, epileptic spasms, followed by tonic, myoclonic, and then generalized tonic-clonic are the most common seizure types
- Infantile (epileptic) spasms, abnormal waves, irregular spikes, and developmental regression are more commonly seen in CDD (and West Syndrome) than in other early-life genetic epilepsies⁹

SEVERE IMPACT ON QOL



Seizures

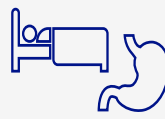
- 56% of individuals have between one and five seizures per day
- 15% of individuals have more than five per day⁵



Cortical visual impairment



Gross motor, fine motor, and communication skills are extremely impaired



Sleep and gastrointestinal disturbances reported in 87% of patients



Respiratory symptoms like aspiration and lower respiratory tract infections



Musculoskeletal problems, such as scoliosis, can also occur⁵

Impact on Caregivers

- Increasing child sleep disturbances also have a negative impact on caregiver emotional wellbeing⁵
- Caregivers often give up their careers in order to provide their children a wide range of treatment and multidisciplinary care to manage the symptoms of CDD⁷
- The broad range of symptoms and health conditions, diagnosis, and access to syndrome-specific family support can be considerably delayed, adversely affecting caregiver wellbeing and possibly also the family quality of life⁸



Inspired by patients.
Driven by science.

1. NIH. CDKL5 deficiency disorder. <https://medlineplus.gov/genetics/condition/cdkl5-deficiency-disorder/#frequency>. Accessed May 2022. 2. NORD. CDKL5 Deficiency Disorder. <https://rarediseases.org/rare-diseases/cdkl5>. Accessed May 2022. 3. International Foundation for CDKL5 Research. About CDKL5. www.cdkl5.com/about-cdkl5. Accessed March 2022. 4. IFCR and Loulou Foundation. The Voice of the Patient Report: CDKL5 Deficiency Disorder (CDD). <https://www.cdkl5.com/wp-content/uploads/2020/06/CDD-VoP-REPORT.pdf>. Accessed May 2022. 5. Mori, Y., Downs, J., Wong, K. et al. Impacts of caring for a child with the CDKL5 disorder on parental wellbeing and family quality of life. Orphanet J Rare Dis 12, 16 (2017). OR. Linggen M, Albers L, Borchers M, et al. Obtaining a genetic diagnosis in a child with disability: impact on parental quality of life. Clin Genet. 2016;89(2):258-266. 6. Olson HE, Demarest ST, Pestana-Knight EM, et al. Cyclin-Dependent Kinase-Like 5 Deficiency Disorder: Clinical Review. Pediatr Neurol. 2019;97:18-25. 7. IFCR and Loulou Foundation. The Voice of the Patient Report: CDKL5 Deficiency Disorder (CDD). <https://www.cdkl5.com/wp-content/uploads/2020/06/CDD-VoP-REPORT.pdf>. Accessed May 2022. 8. Mori, Y., Downs, J., Wong, K. et al. Impacts of caring for a child with the CDKL5 disorder on parental wellbeing and family quality of life. Orphanet J Rare Dis 12, 16 (2017). OR. Linggen M, Albers L, Borchers M, et al. Obtaining a genetic diagnosis in a child with disability: impact on parental quality of life. Clin Genet. 2016;89(2):258-266. 9. Olson HE, Demarest ST, Pestana-Knight EM, et al. Cyclin-Dependent Kinase-Like 5 Deficiency Disorder: Clinical Review. Pediatr Neurol. 2019;97:18-25. 10. William Hong et al., CDKL5 Deficiency Disorder-Related Epilepsy: A Review of Current and Emerging Treatment. CNS Drugs (2022) 36:591-604.

Bepranemab (UCB0107, Anti-Tau Antibody)

Rationale for development

- In July 2020, UCB entered a worldwide, exclusive license agreement with Roche and Genentech (a member of the Roche group) for the global development and commercialisation of *bepranemab* in Alzheimer's disease (AD)
- UCB will fund and perform a proof-of-concept study in AD and upon availability of the results Genentech will progress with the development of *bepranemab* or return full rights back to UCB



In AD, amyloid β peptides form plaques and **pathological tau** proteins misfold and form intracellular aggregates, which accumulate within the brain leading to neurodegeneration.^{1,2} Clinical progression is closely linked to the **progressive spread of tau pathology** throughout the brain.¹



Pathological **tau aggregates or 'seeds'** can spread between neurons propagating disease^{3,4}



Bepranemab is a fully humanised, full-length IgG4 **monoclonal anti-tau antibody**⁵ that is currently under investigation for the treatment of AD⁶



Bepranemab aims to **reduce the progression of disease** by binding extracellular pathological tau and **slowing down or halting the spread of tau neuropathology**^{1,3,5}



Together (AH0003): Overview and Study Design

A Phase 2 study in people living with AD – Recruitment for this study was completed, topline results Q4 2024



Objective

To evaluate the efficacy, safety, and tolerability of *bepranemab* in people with prodromal and mild AD¹

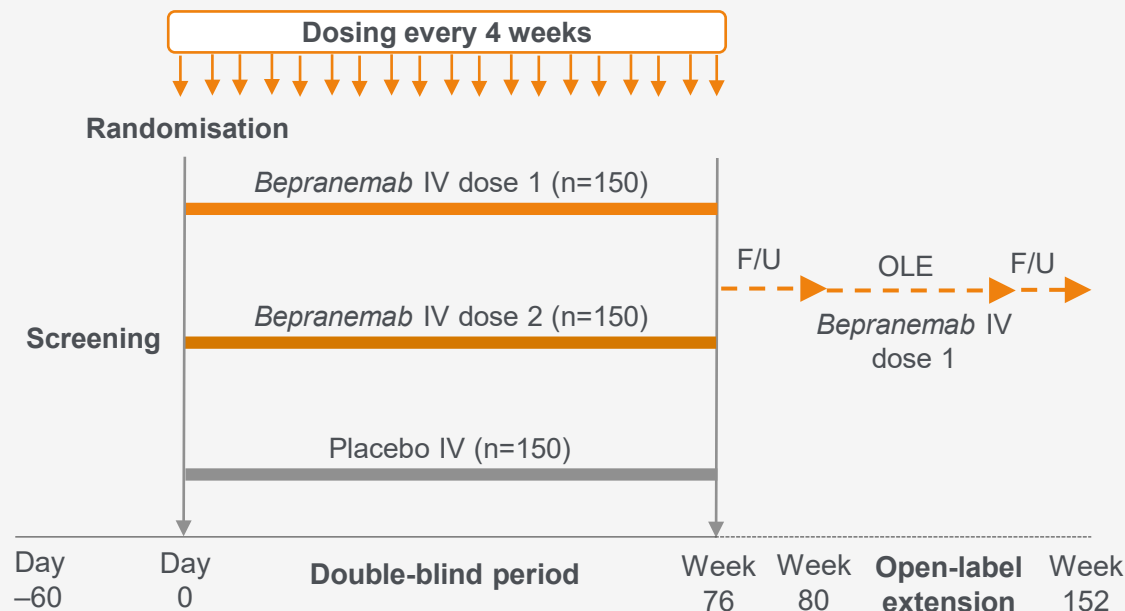


Inclusion criteria

- Prodromal or mild AD*
- MMSE score ≥ 20 to ≤ 30
- A β biomarker-positive (CSF or PET)
- If receiving an AD symptomatic treatment, must be stable for at least 3 months prior to screening



Design



Endpoints

Primary:

- Change from baseline in CDR-SB at Week 80

Key secondary:

- Safety and tolerability of *bepranemab*
- Effect on tau PET imaging at Wk 56 and Wk 80
- Change from baseline in cognitive clinical measures
- Pharmacokinetics



Inspired by patients.
Driven by science.

*Anticipated enrolled population will be approximately 40% with prodromal/MCI due to AD (n=180), and 60% with mild AD (n=270). A β , amyloid beta; AD, Alzheimer's disease; CDR-SB, Clinical Dementia Rating scale Sum of Boxes; CSF, cerebrospinal fluid; F/U, follow-up; MCI, mild cognitive impairment; MMSE, Mini Mental State Examination; OLE, open-label extension; PET, positron emission tomography. 1. NCT04867616. Available at: <https://clinicaltrials.gov/ct2/show/NCT04867616> (Accessed September 2021); 2. UCB. Data on file. Protocol AH0003, 2020.

Thymidine Kinase 2 deficiency

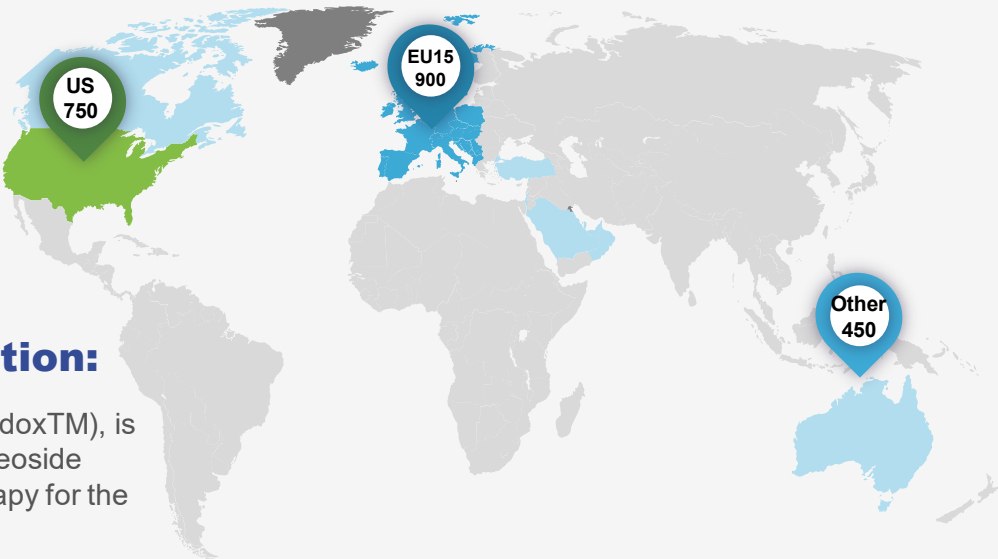
An ultra-rare debilitating and life-threatening (often fatal) genetic mitochondrial disorder

Thymidine Kinase 2 deficiency (TK2d)

Is a rare, inherited, debilitating, and life-threatening mitochondrial disorder that causes severe and progressive muscle weakness. Patients lose the ability to walk, eat and breath independently.

PREVALENCE

There are an estimated ~2,100 TK2d patients in the targeted geographies¹



Treatment:

There are no medicinal products approved for the treatment of Tk2d. Standard of Care is limited to supportive and palliative care aimed at preserving motor functions and preventing respiratory failure.

Mechanism of Action:

doxecitine and doxribtimine (doxTM), is an investigational deoxynucleoside substrate enhancement therapy for the treatment of TK2d

Management Goals



Infants

- Extremely poor prognosis and often fatal within a few years
- Require palliative care such as mechanical ventilation, feeding tubes and sedation
- Psychological support for parents



Children

- Ultimate goal is to prolong life to help reach developmental milestones (e.g. able to sit up, crawl, talk, walk)
- Ensure adequate respiratory support (if/when needed)
- Support psychological development



Adults

- Ultimate goal is to maintain independence for as long as possible
- Preserve muscle and respiratory function
- Ensure adequate respiratory support (if/when needed)
- Provide psychological support when needed (depression and anxiety very common)

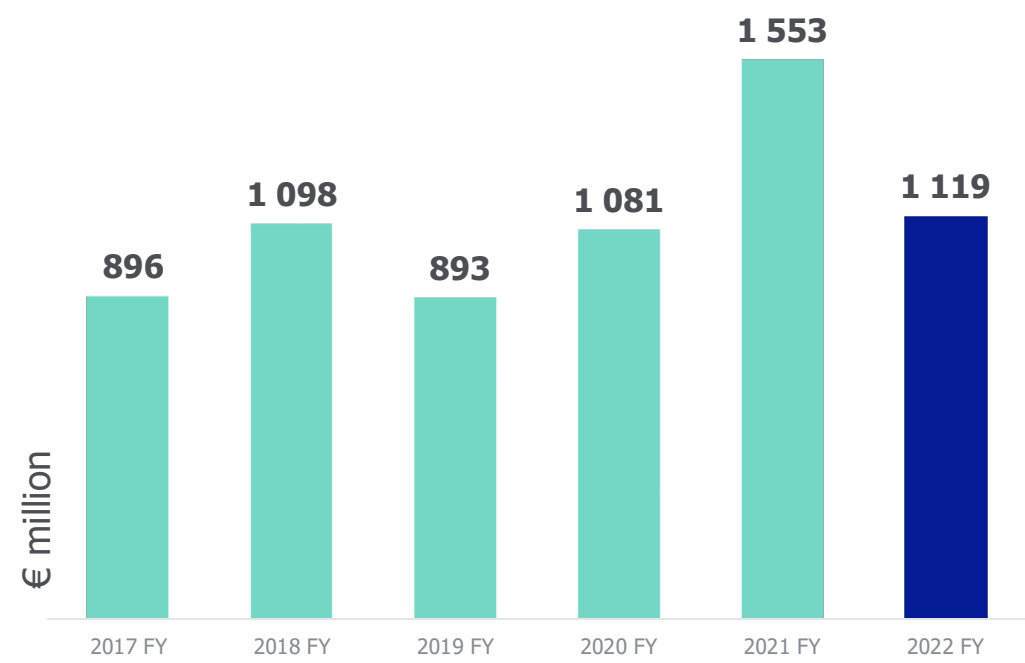


Inspired by **patients.**
Driven by **science.**

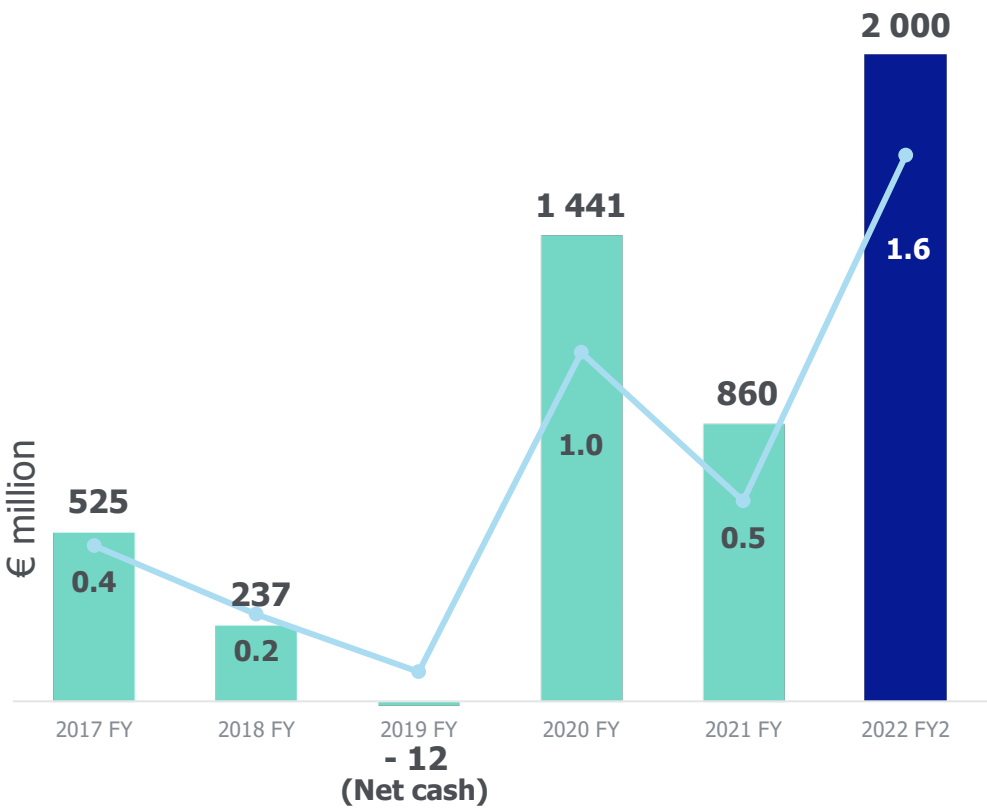
1. Zogenix epidemiology research 2018 and 2021

Solid Cash Flow

Cash flow from continuing operations



Net debt / adjusted EBITDA ratio

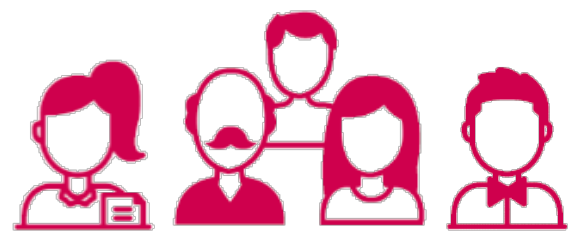


Debt Maturity Schedule (@ 31 December 2022, € million)

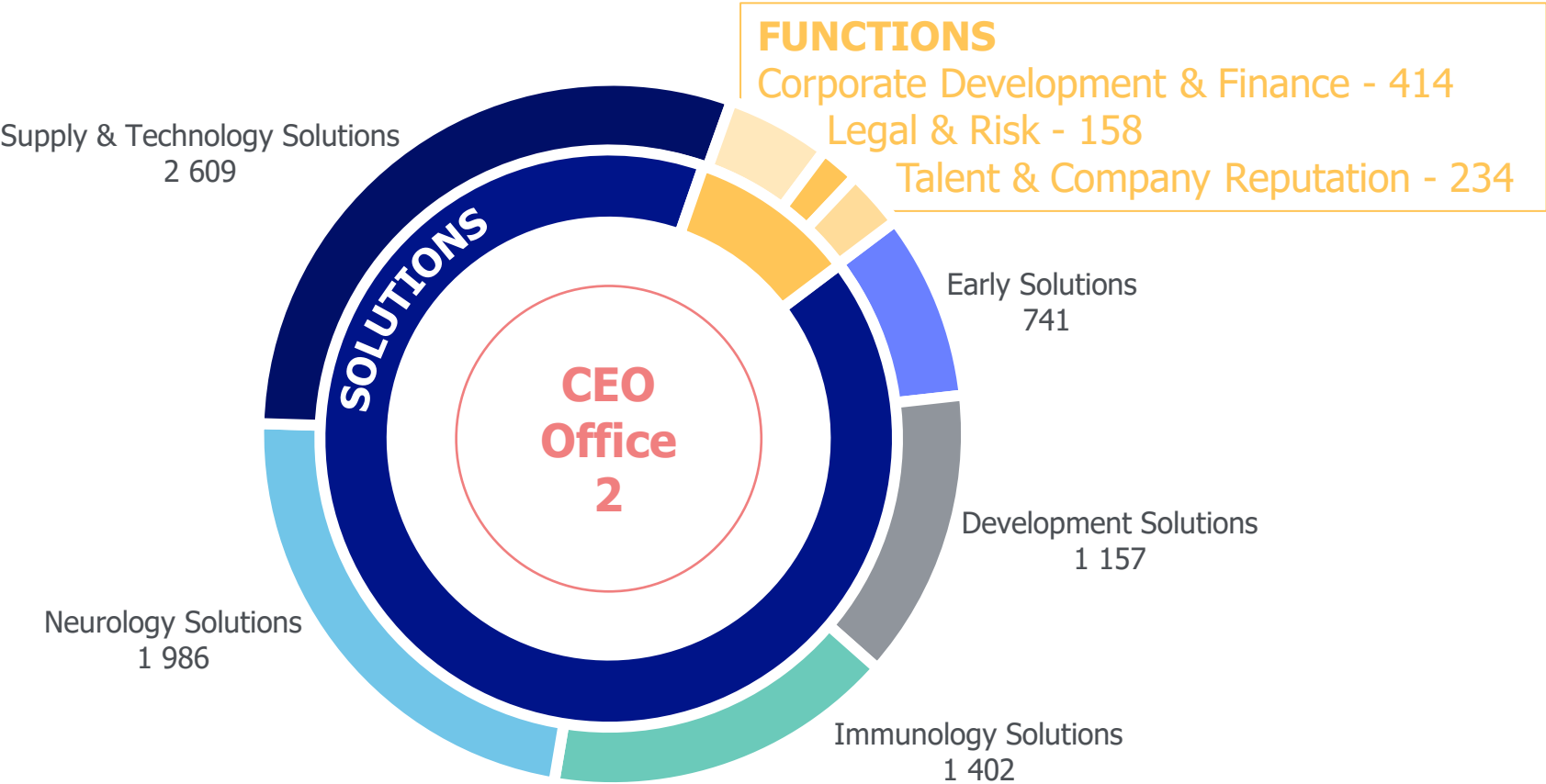


UCB's Organization

| Our people are key to deliver on our ambition

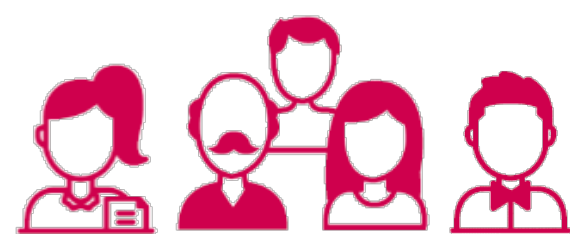


~8 700*
employees worldwide



UCB Today: A Global Player

Presence in 36 countries complemented by a robust network of partners



~8 700*
employees worldwide



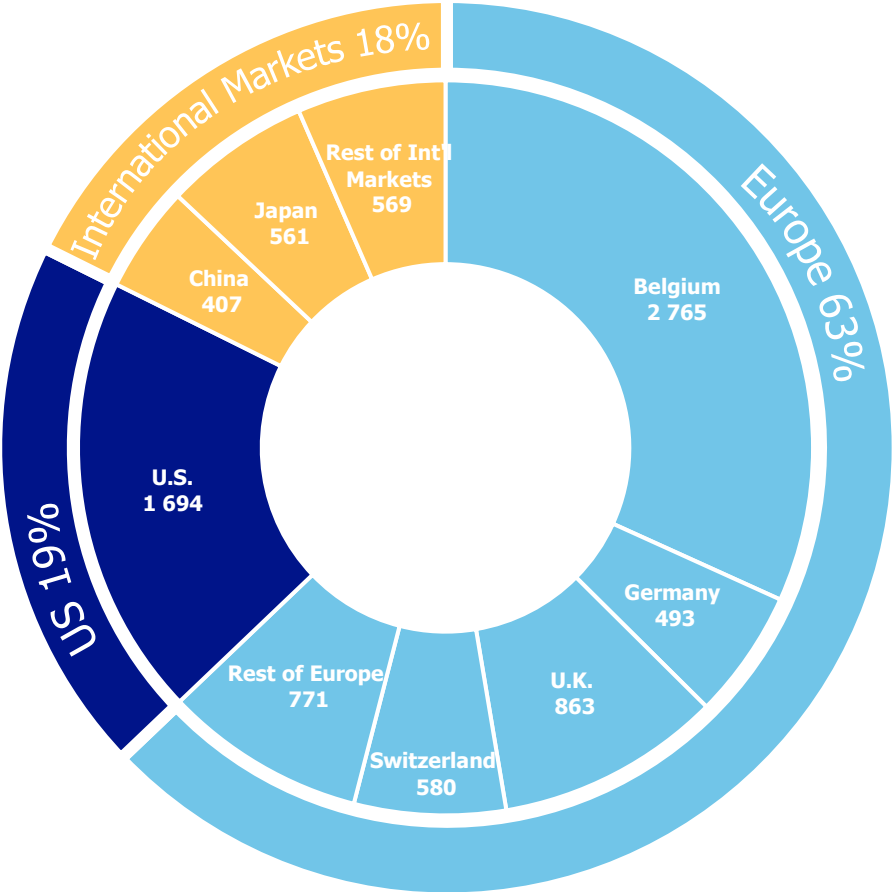
51/49
Women / Men



1 061
New colleagues



10.9%
Employee turnover



Japan Market Environment for Innovation

Large specialty and biologics market, early and secured access, and guaranteed market exclusivity

Second Largest Market for Specialty and Biologics

Specialty Biologics
€ 15.6 bn € 10.7 bn >>> 2nd
(2022 Apr-Sep) (2022 Apr-Sep) Largest after US

IQVIA Japan "Pharma Market Insights 2022 Winter"

Early and Secured Access

- **Priority review/conditional-approval programs** for high unmet needs drugs with innovation
- Universal health insurance coverage and **secured reimbursement after 3 months from regulatory approval** with pricing scheme to reflect innovation

Guaranteed 8 - 10 Years of Exclusivity for New Chemical Entities

- Market exclusivity granted during Post-Marketing Surveillance period for NMEs regardless of patent protection

8 yrs for non-orphan

10 yrs for orphan

UCB in Japan

BIMZELX®

- Feb 2021 Submission for Psoriasis
- Jan 2022 Regulatory Approval
- Apr 2022 Launch

FINTEPLA®

- Dec 2021 Submission for Dravet Syndrome
- Sep 2022 Regulatory Approval
- Nov 2022 Launch
- bimekizumab / PSA / nr-axSpA / AS submissions planned in Q1 2023, HS in Q4 2023
- rozanolixizumab / gMG submission planned in Q1 2023
- fenfluramine / LGS submission planned Q3 2023
- brivaracetam submission planned Q3 2023

UCB Japan - Organization Evolution Driving Growth

Evolution in organization capability and new working model

Growth in Size and Diversity

Employees (as of Dec 2022)

561 6.4% of Global UCB
x1.7 in 5 yrs

% Female Manager (as of Sep 2022)

20% vs. industry average 14%
x1.5 in 1.5 yrs

33% of newly hired managers Oct 2021 – Sep 2022 was female

Transformation to Solo Business

Shift **from partnering to solo business** started in 2020

End-to-end **capability and business process** established

- Sales and Marketing
- Manufacturing and Supply Chain Management
- Distribution
- IT infrastructure
- Data and Analytics

New Model for COVID-19

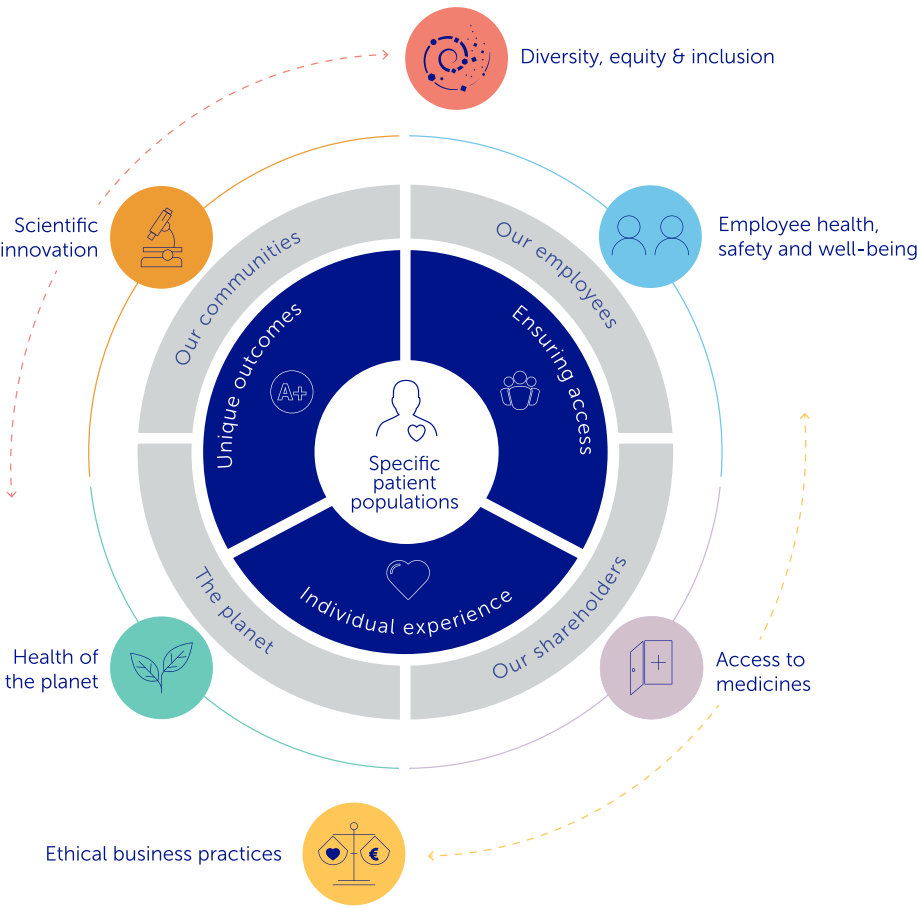
Upgraded customer engagement and field productivity with **omnichannel**

- Reinforced digital channels
- Customer-experience based approach
- Agile operation model

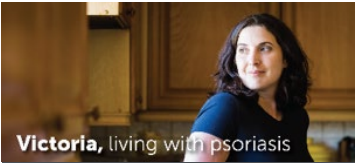
Office renovation to enhance new ways of working

- Hybrid of face-to-face and remote working
- Cross-functional interaction

We See Sustainability as an Approach for Business Growth and Societal Impact



Our goals



Victoria, living with psoriasis

Value for patients

We aim to bring to patients **differentiated solutions with higher predictability of response and in 2030, all patients who need these solutions shall have access to them in a way which is viable for patients, society and UCB.**



Véronique, UCB

Value for people at UCB and our communities

We are creating the right conditions for **all UCB employees to thrive.**

We support **vulnerable populations** in the countries where we operate.



Value the planet

By 2030, we will be carbon neutral and we will have reduced our water consumption and waste production by respectively 20% and 25%.



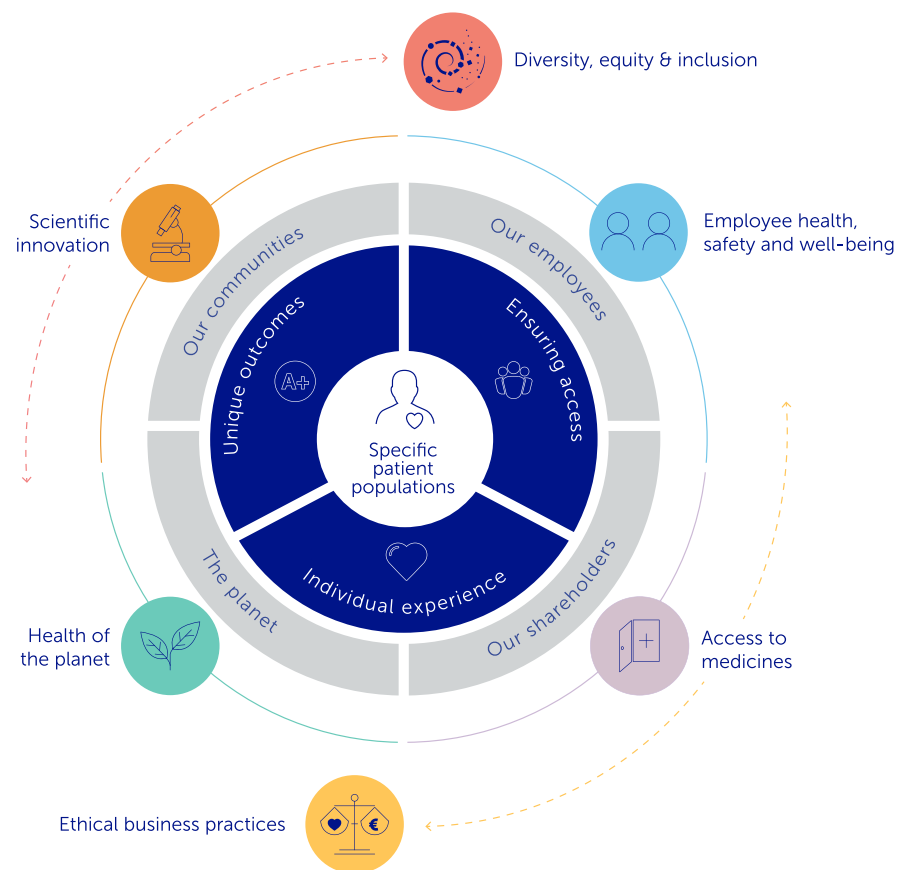
Value for shareholders

By 2025, we will lead in 5 specific patient populations

Our revenue are expected to reach of at **least € 6 billion** and our **adj. EBITDA margin to be in the low to mid-thirties.**

We will have **improved significantly our ESG rating performance.**

Driving sustained growth while making a positive impact on society



Value for patients

- ✓ **>3.4 M** patients
- ✓ **35%** reimbursement for all within regulatory labels
- ✓ **42%** reimbursement for some but not all within regulatory labels



Value for people at UCB

- ✓ Preserved jobs while mitigating headwinds
- ✓ **80.4%** for our Health, Safety and Wellbeing index
- ✓ **38%** women at executive level
- ✓ **1st** inclusion index results



Value for our communities

- ✓ **>140** global academic partnerships
- ✓ **12** early-stage biotech companies funded by UCB Venture
- ✓ **143** projects worldwide in the UCB Community Health Fund since 2020



Value the planet by 2030

- ✓ **-58%** CO₂ emissions we directly control vs. 2015
- ✓ **30%** emissions by our suppliers with Science-Based-Targets alike



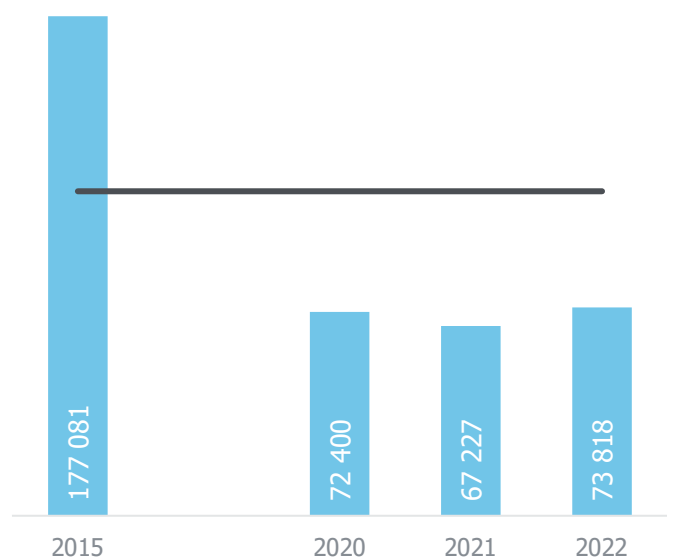
Value for shareholders by 2025

- ✓ **€ 5.52 bn** revenues
- ✓ **€ 1.26 bn** adjusted EBITDA
- ✓ **16.8** as Sustainalytics rating (low risk)

UCB Green Strategy

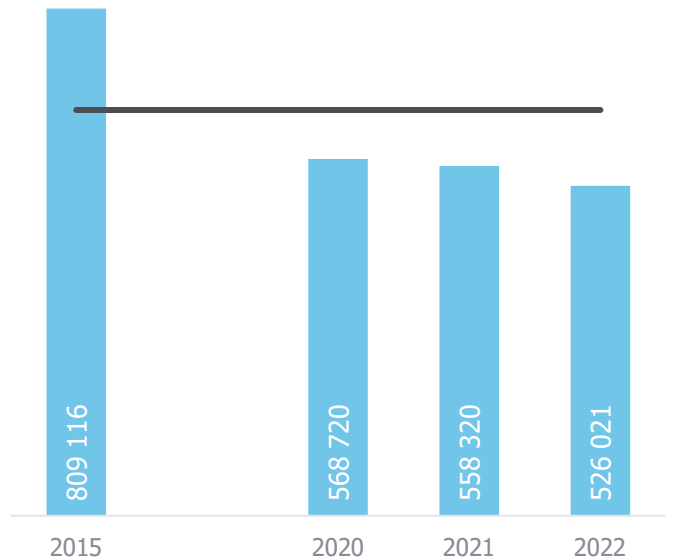
Our environmental targets by 2030 – Reductions in absolute numbers against 2015 baseline

CO₂ emissions
- 58% since 2015



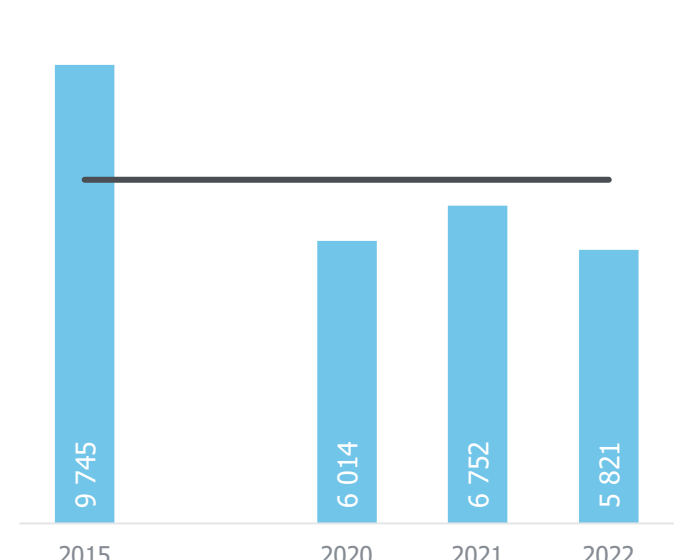
CO2e emissions (tons)
2030 Objective -35%

Water consumption
- 35% since 2015



Water consumption (m³)
2030 Objective -20%

Waste production
- 40% since 2015

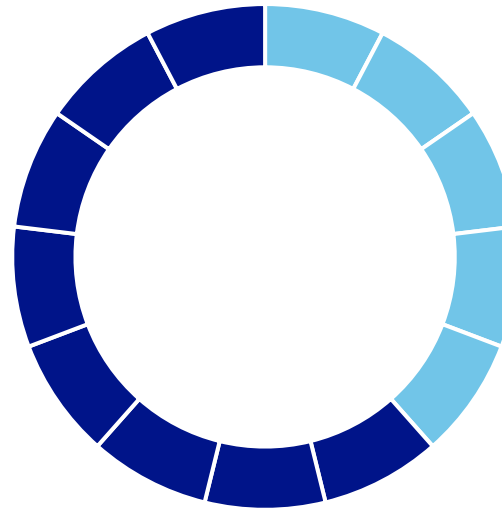


Waste production (tons)
2030 Objective -25%

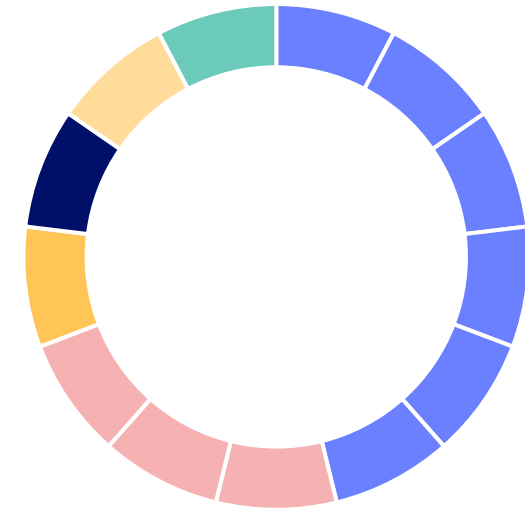
Corporate Governance

Board of directors

- **13 members**
 - Mandate: 4 year
 - Age limit: 70
- **5 women (38%)**
- **7 independent directors (54%)**
- **6 nationalities**



● Women ● Men

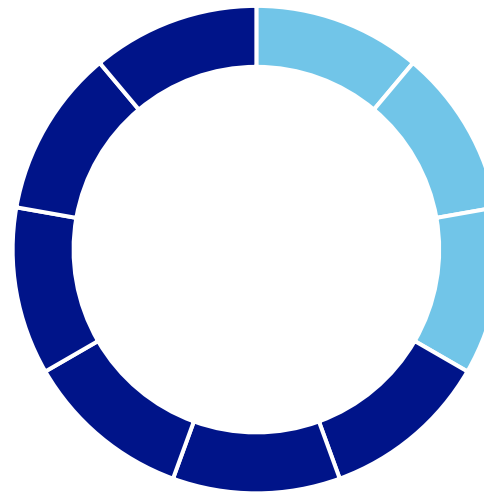


● Belgium ● France
● U.K. ● US
● Denmark / Sweden
● Swiss

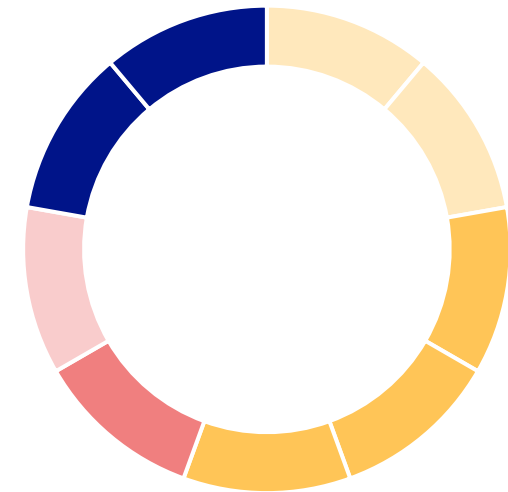
Corporate Governance

Executive committee

- **9 members**
 - Jean-Christophe Tellier, CEO since 2015
- **3 women (33%)**
- **5 nationalities**



● Women ● Men



● Belgium ● France
● Germany ● U.K. / South Africa
● US

Corporate Governance

Executive committee headed by Jean-Christoph Tellier

- **9 members**
- **3 women (33%)**
- **5 nationalities**



JL Fleurial,
CHRO



S. Dufour,
CFO



B. Silbey,
General Counsel



E. Caeymaex,
Immunology Solutions &
Head of U.S



JC Tellier,
CEO



D. Patel,
CSO



I. Löw-Friedrich,
CMO

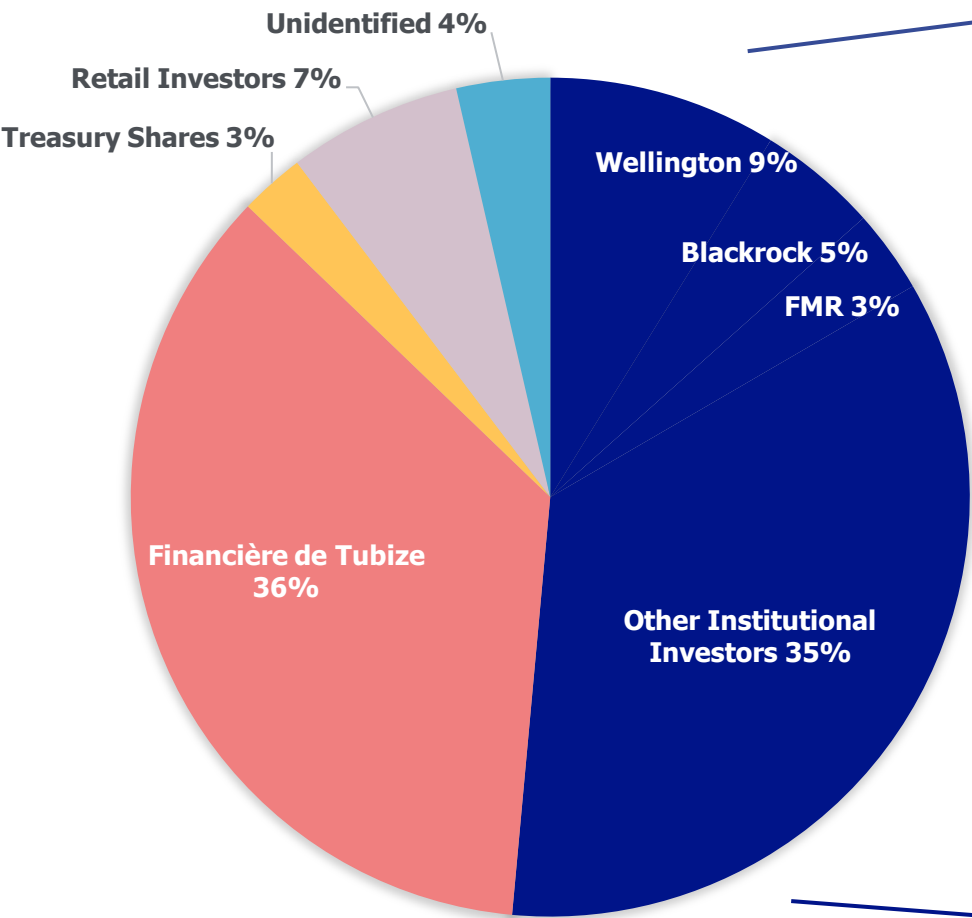


K. Lund-Jurgensen,
Supply & Technology
Solutions

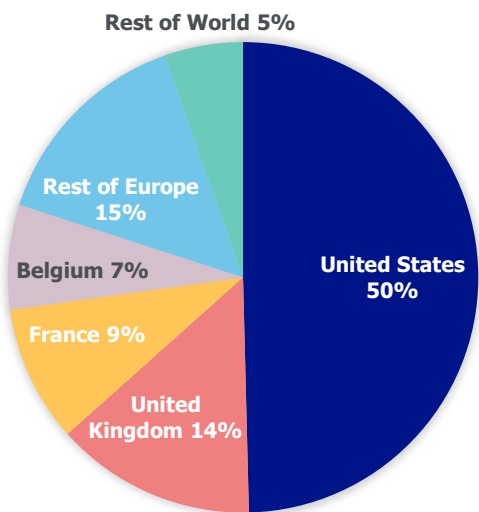


C. van Zyl,
Neurology Solutions &
Head of EU / International

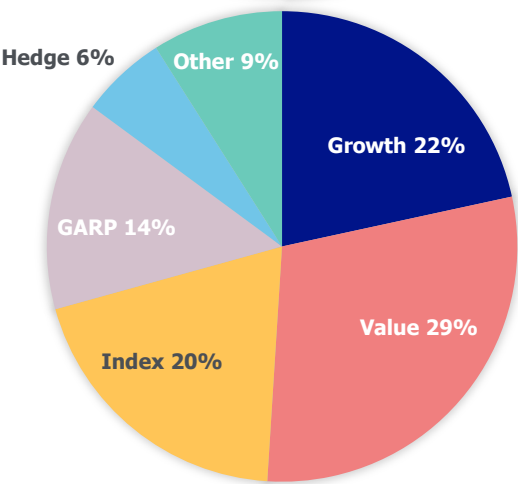
Shareholder distribution



Institutional investors:
geographic distribution



Institutional investors:
investment style



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Check out our IR App &
connect to UCB wherever you go!

