

Further Facts & Figures 24<sup>th</sup> February 2022

FY 2021 Results Call



Inspired by patients.

Driven by science.



## **Disclaimer & Safe Harbor**

#### Forward-looking statements

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.

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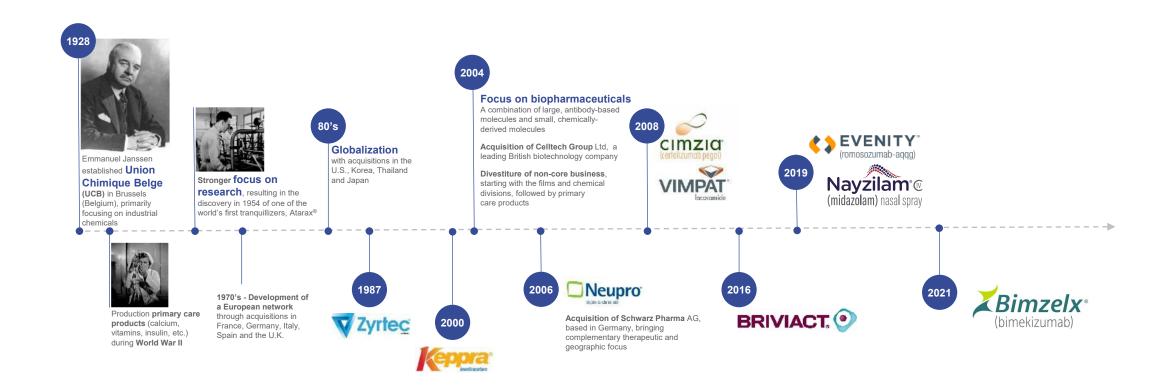
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In the event of any differences between this Presentation and the Annual or Half Year Report, the information included in the Report shall prevail.



## **UCB Story – Since 1928**

#### Continuous adaptation to the changing ecosystem

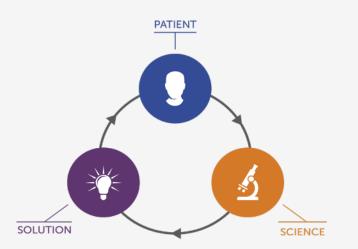


## **UCB's Patient Value Strategy**

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 8 600 employees creating value for patients\*



We bring Cimzia<sup>®</sup>, Vimpat<sup>®</sup>, Keppra<sup>®</sup>, Briviact<sup>®</sup>, Neupro<sup>®</sup>, Nayzilam<sup>®</sup> & Evenity<sup>®</sup> to over 3.7 million patients\*



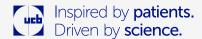
Focused on R&D:
We invest more than
28%\* of revenue in R&D
– above industry average



We commit to reducing our ecological footprint



We reached in 2021 **€ 5.8 billion revenue** and **€ 1.64** billion adjusted EBITDA, both growing for the 8<sup>th</sup> year in a row



## **Our Core Products – Immunology and Bone**

### Key information\*

	BIMZELX® (bimekizumab)	CIMZIA® (certolizumab pegol)	EVENITY® (romosozumab)
Ų	<ul> <li>Psoriasis (EU/GB approval in 2021; Japan 2022; US pending); EU launch in Sept. 2021: Germany, the Netherlands, Sweden, UK; further countries in 2022</li> <li>Regulatory approvals in psoriasis are underway in US, Canada, Australia and Switzerland</li> <li>Psoriatic arthritis, radiographic and non-radiographic axial spondyloarthritis submissions to regulatory authorities in Q3 2022</li> </ul>	<ul> <li>Crohn's disease</li> <li>Rheumatoid arthritis</li> <li>Psoriatic arthritis</li> <li>Axial spondyloarthritis</li> <li>Psoriasis</li> </ul>	EU launch still in progress     Launched by Amgen in Japan and US and ROW     China Ph3 study started in Q4'21
ß	Launched in the EU/GB in September 2021	170 000 patients globally*	> 200 000 patients since launch globally*
4551	No partner; in-house product	Astellas (Japan – 2012) Cinkate (China – 2019)	Amgen (2002)
<b>T</b>	2032 (U.S., EU, Japan; without patent term extension)	<b>2024</b> (U.S. & EU) <b>2026</b> (Japan)	<b>2031</b> (U.S., EU & Japan)  EVENITY® 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\*

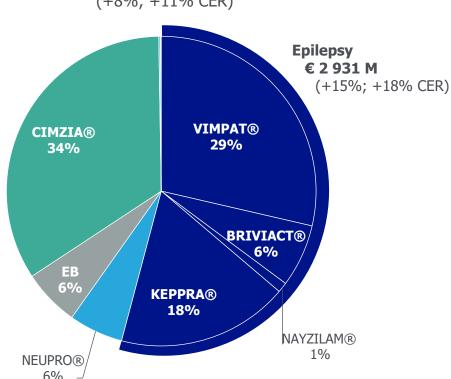
	NAYZILAM®	VIMPAT®	KEPPRA®	<b>BRIVIACT</b> ®	NEUPRO®
Ü	• Epilepsy seizure clusters ( <u>U.S 2019</u> ) – <u>orphan</u> <u>disease designation</u>	<ul> <li>Epilepsy POS (pediatric label extension in US, Oct. 2021, and EU CHMP positive opinion, Jan. 2022)</li> <li>Epilepsy PGTCS</li> </ul>	<ul><li>Epilepsy POS</li><li>Epilepsy PGTCS</li><li>Epilepsy myoclonic seizures</li></ul>	Epilepsy POS  Adj. therapy  Monotherapy (U.S.)  pediatric label extension in US, Aug. 2021, and EU CHMP positive opinion, Jan. 2022)	<ul> <li>Parkinson's disease</li> <li>Restless legs syndrome</li> </ul>
S	> <b>50 000</b> patients in the U.S*	> 800 000 patients globally*	> 2 million patients globally*	140 000 patients globally*	<b>385 000</b> patients globally*
<b>***</b>	US only (in-licensed from Proximagen, 2018)	<u>Daiichi Sankyo</u> (Japan – 2014)	Otsuka (Japan – 2008-2020)		Otsuka (Japan – 2002-2020)
<b>T</b>	<b>2028</b> (U.S.)	<b>2022</b> (U.S. & EU) <b>2024</b> (Japan)	2008 (U.S.) 2010 (EU) 2020 (Japan)	<b>2026</b> (U.S. & EU)	2021 (U.S. & EU) 2024 (Japan) 2030 Several reformulation patents (U.S. & EU)



## **Strong Net Sales Growth | Strong Product Portfolio**



(+8%; +11% CER)



	million	Act	CER	
CIMZIA®	€ 1 841	+2%	+5%	Strong volume growth: +12%, despite adverse pricing, 170 000 patients
VIMPAT®	€ 1 549	+7%	+10%	Strong growth in all markets +9% volume, over 800 000 patients, reaching peak sales ambition,
KEPPRA®	€ 970	+23%	+27%	Driven by in-market net sales booking for Japan, over 2 million patients (volume -3%)
BRIVIACT®	€ 355	+23%	+27%	Reaching 140 000 patients
NEUPRO®	€ 307	-1%	0%	Stable in a competitive market environment, 385 000 patients, volume -1%
NAYZILAM®	€ 57	>100%	>100%	Continued successful launch, over 50 000 patients, volume +70%
<b>EVENITY</b> ®	€ 10	>100%	>100%	Europe, launched March 2020, volume +412%, reached world-wide over 200 000 patients since launch
BIMZELX®	€ 4			Launched in Germany, UK, Sweden and the Netherlands
Established Brands (EB)	€ 321	-10%	-7%	Continued generic erosion



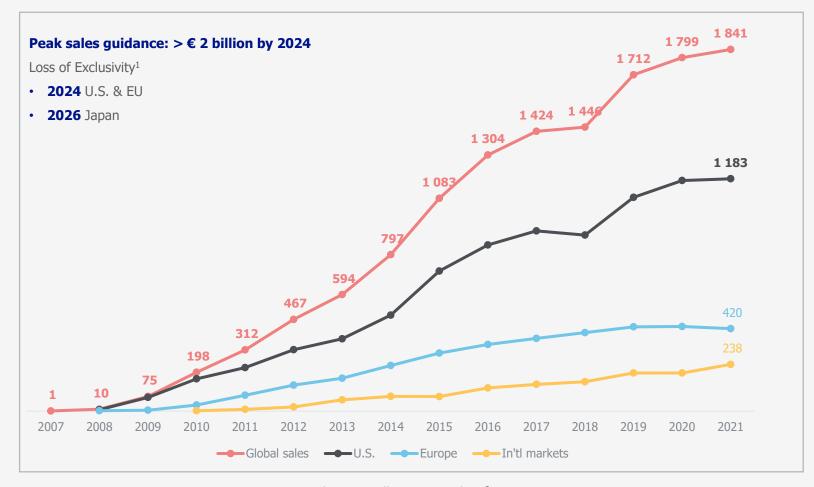
## **CIMZIA®**

#### Driven by new patient populations



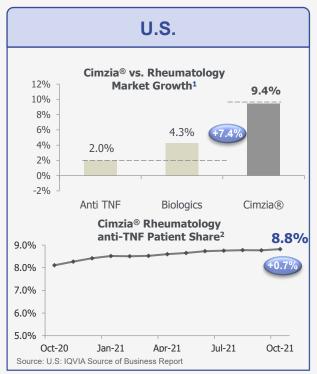
For patients (including women of child-bearing age) living with

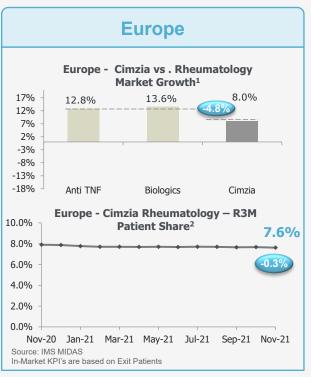
- Rheumatoid arthritis
- Psoriatic arthritis
- Psoriasis
- (non-radiographic)
   Axial spondyloarthritis
- Crohn's disease (U.S.)<sup>3</sup>

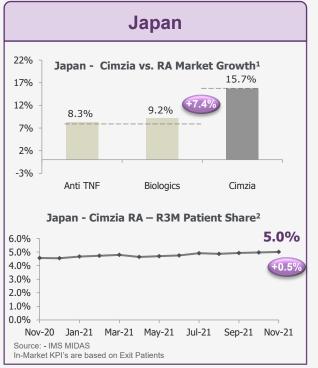


Net sales in € million, FY numbers<sup>2</sup>

## **CIMZIA® In-Market Performance**



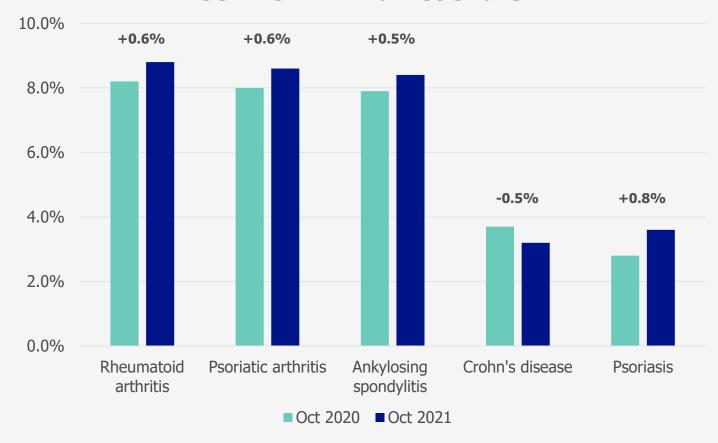




## **CIMZIA® In-Market Performance**

#### **2021 FY NET SALES** € 1841 MILLION **Int. Markets** 13% **US Lyo** 27% **Europe** 23% **US PFS** 37% US 64%

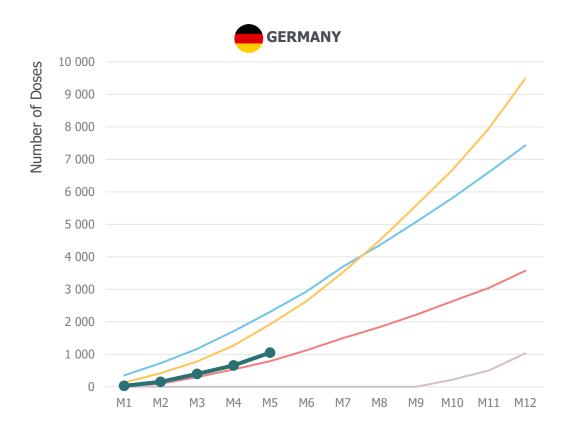
#### **US Anti-TNF Market Share**<sup>1</sup>

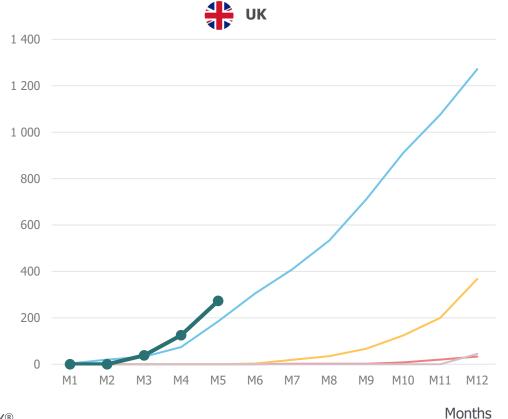




## **Competitive BIMZELX® Uptake in First Launch Markets**

#### **Comparison of launch uptake curves since approval date (cumulative doses)**







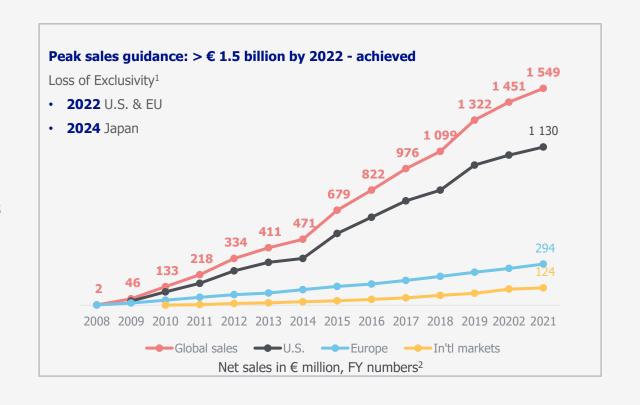


## **VIMPAT®**

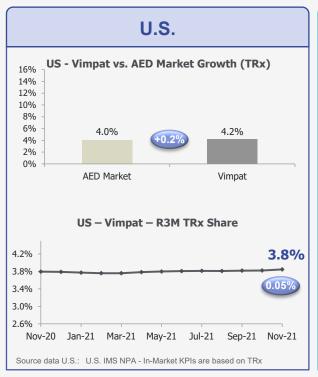
#### Reaching peak sales ambition of over € 1.5bn

#### For patients living with

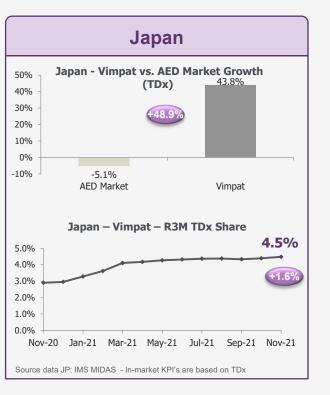
- Partial-onset seizures (POS), also known as focal seizures
  - 2021: U.S. FDA approval for the treatment of partialonset seizures in patients 1 month of age and older
  - 2021: EU positive CHMP opinion on use for the treatment of focal epileptic seizures in children 2 to 4 years of age (previously 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



## **VIMPAT® In-Market Performance**







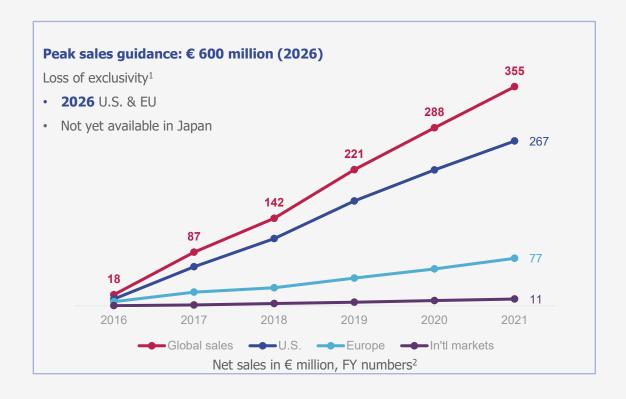


## **BRIVIACT®**

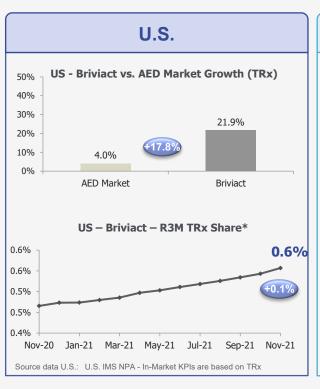
#### Available to more and more patients

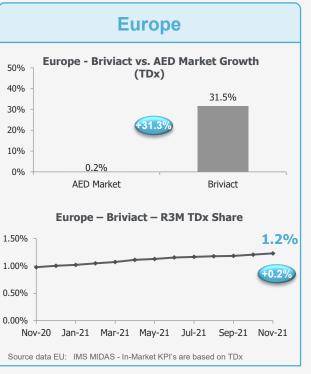
#### For people living with

- partial-onset seizures (POS), also known as focal seizures
  - 2021: U.S. 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)



## **BRIVIACT® In-Market Performance**







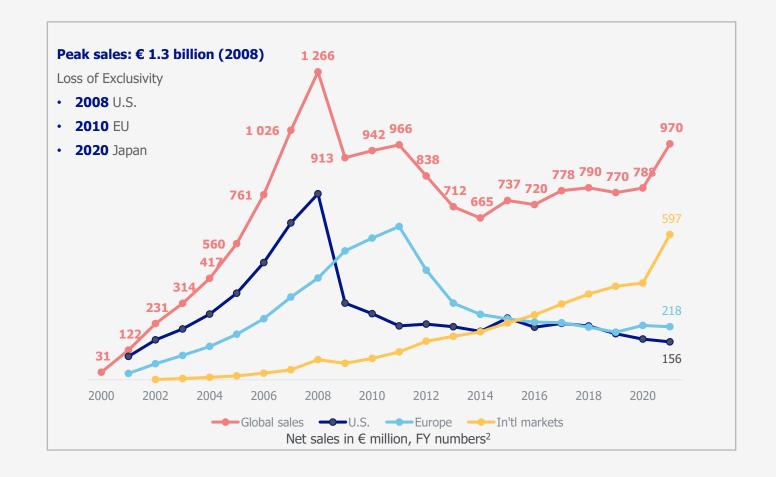
## **KEPPRA®**

#### Mature established brand



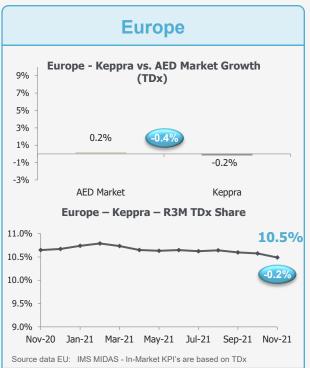
#### For people living with

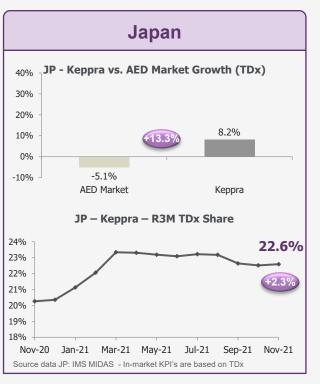
- partial-onset seizures (POS), also known as focal seizures
- primary generalized tonic-clonic seizures (PGTCS)
- myoclonic seizures



## **KEPPRA® In-Market Performance**









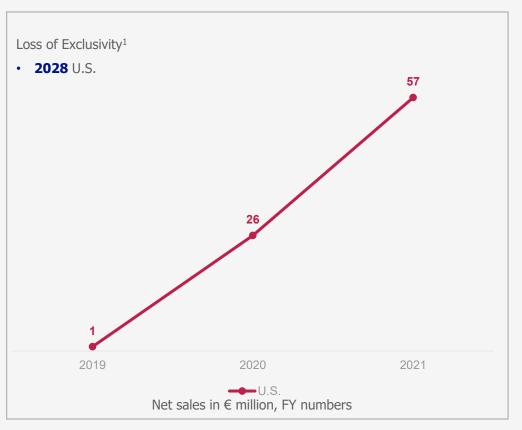
## **NAYZILAM®**

### Available to a growing number of patients in the USA



For patients living with epilepsy seizure clusters (<u>U.S. - 2019</u>)

Nayzilam® was acquired in 2018 from Proximagen.



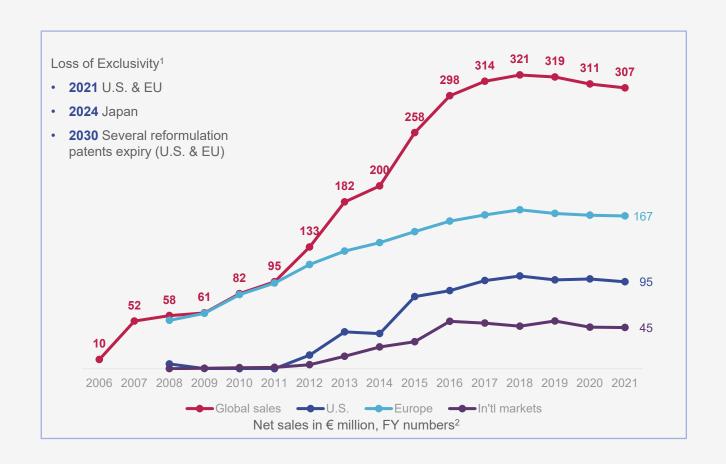
## **NEUPRO®**

### Reached peak sales in 2018

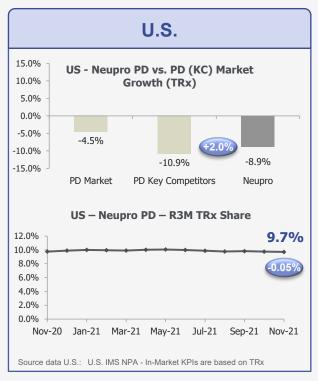


#### For people living with

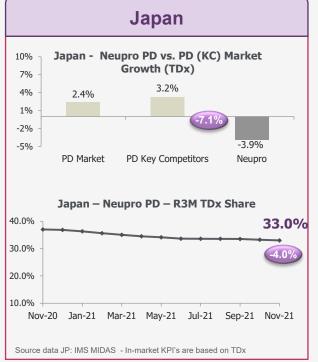
- Parkinson's disease
- Restless legs syndrome



## **NEUPRO® In-Market Performance**







## **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/loss¹	50% of EU profit/loss¹ 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

## **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 (U.S.)
- √ 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

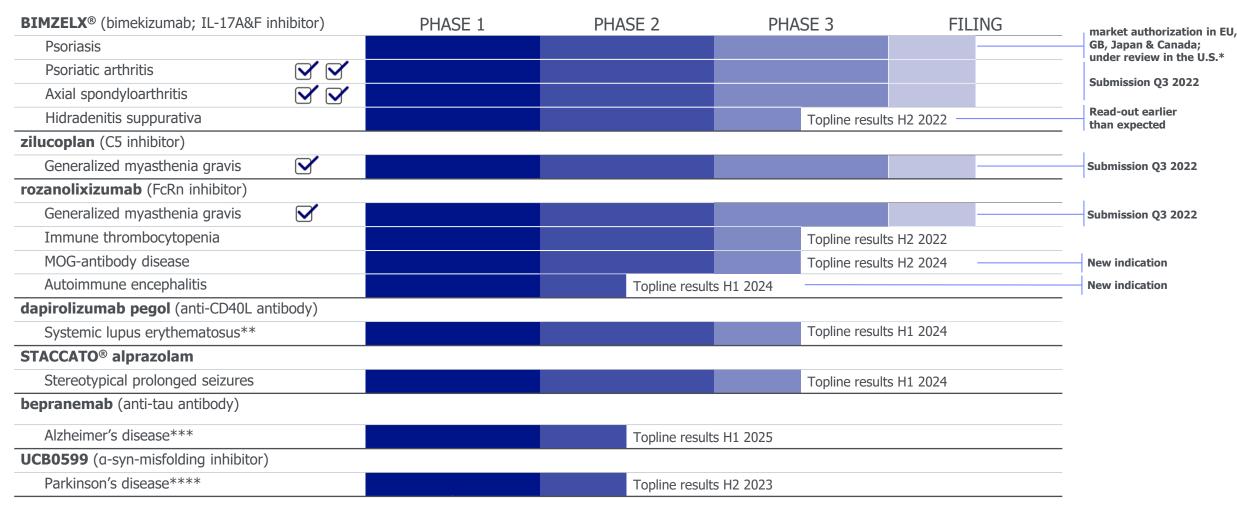
- ✓ rozanolixizumab Phase 3 start in ITP (Jan)
- √ bimekizumab Phase 3 start in HS (Feb)
- √ padsevonil Phase 2b topline results (March)
- √ Ra Pharma closing (April)
- ✓ Acquisition of STACCATO® alprazolam (June)
- ✓ CIMZIA® co-promotion agreement with Ferring in the U.S. (July)
- ✓ Partnership with 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 O4
- ✓ *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



## **UCB Late-Stage Pipeline | Timelines Confirmed**





## **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 ustekinumab)

BE READY (PS0013) NCT03410992

(vs placebo)

BE SURE (PS0008) NCT03412747

(vs adalimumab)

BE RADIANT (PS0015) NCT03536884

(vs secukinumab)

> 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

#### **BE HEARD I** (HS0003) NCT04242446

(vs placebo)

**BE HEARD II** (HS0004) NCT04242498

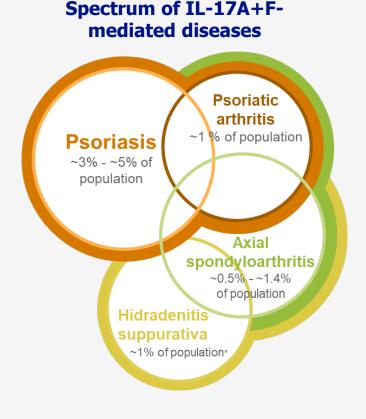
(vs placebo)

~ 1 000 patients \*

Submission in Q3'22

Submission in Q3'22

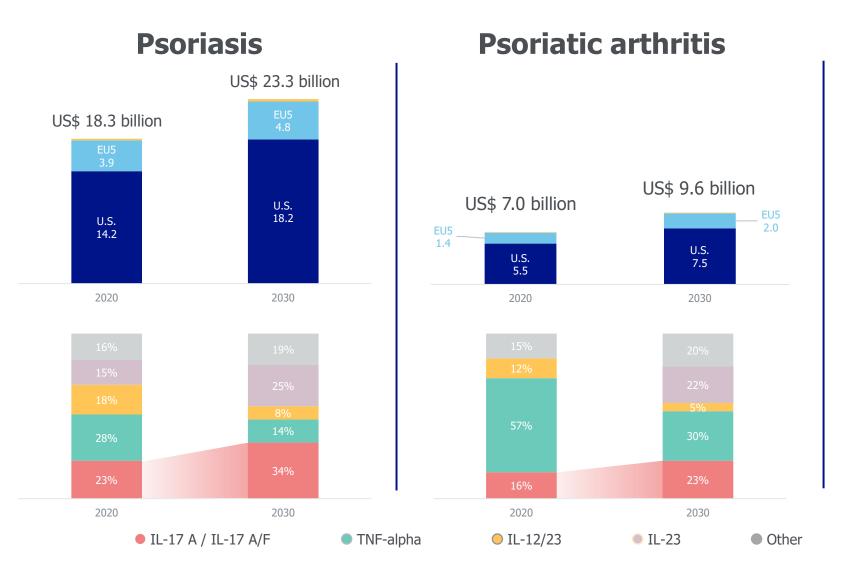
Phase 3 ongoing Topline results H2'22



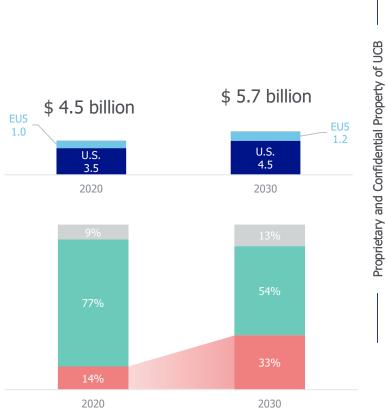
Approved in EU, GB, Japan & Canada 2021/22; filed in the US (expected approval in H1'22)



## **Focusing On Markets With Strong Growth Potential**



#### **Axial spondyloarthritis**

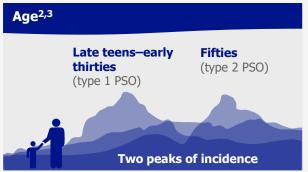




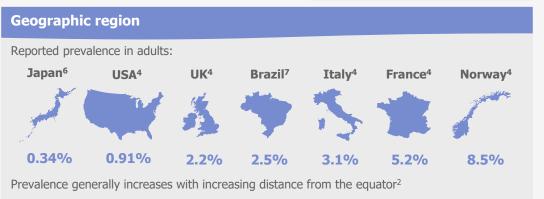
## **Psoriasis: High Prevalence Globally**







Age, geographic region, and ethnicity all influence an individual's risk of developing PSO



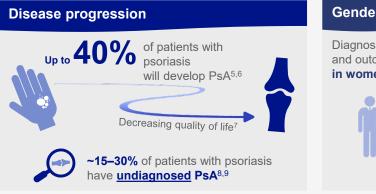
**<sup>6.</sup>** Kubota K et al. *BMJ Open.* 2015 Jan 14;5(1):e006450. **7.** Duarte GV et al. *Psoriasis( Auckl)*. 2015;5:55-64 **8.** Parisi R, et al. *J Invest Dermatol.* 2013;133:377-385.



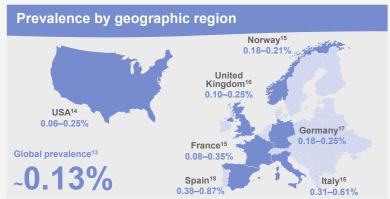
**<sup>1.</sup>** Kimball AB et al. *Br J Dermatol.* 2014;171(1):137-147. **2.** Crow JM. *Nature.* 2012;492(7429):S50-S51. **3.** Langley RG et al. *Ann Rheum Dis.* 2005;64:(suppl 2):ii18-23; discussion ii24-25. **4.** Parisi R et al. *J Invest Dermatol.* 2013;133(2):377-385. **5.** Enamandram M and Kimball AB. *J Invest Dermatol.* 2013;133(2):287-289.

## **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 psoriasis 1-3 It is associated with six key disease domains 4 Dactylitis Peripheral arthritis Dactylitis Skin Nails









\*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 entheseal 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. Rheumatol. 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

3 KEY TREATMENTS:5

- -NSAIDS
- -TNF inhibitors
- -IL-17A inhibitors



A painful chronic inflammatory disease that starts in the sacroiliac joints and progresses to the spine, ultimately causing spinal fusion in many patients over time<sup>1</sup>

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

#### Disease subgroups Chronic Up to ~60% of back pain nr-axSpA patients will is the main axSpA r-axSpA progress to AS feature for over >10 years4 all axSpA3 RADIOGRAPHIC AXSPA or NON RADIOGRAPHIC ANKYLOSING SPONDYLITIS **MRI** inflammation Structural damage of of sacroiliac joints sacroiliac joints and spine







#### **Disease Manifestations**



Uveitis7

~30%

Peripheral

arthritis9



>10%

Enthesitis<sup>9</sup>

~30%





Dactylitis9







\*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.



## Bimekizumab Ambition: Best in Disease Efficacy in Skin and Joints

Positive topline results in all Phase 3 studies. All studies met their primary and all ranked secondary outcome measures.

#### **Psoriatic arthritis**

#### BE OPTIMAL (PA0010)

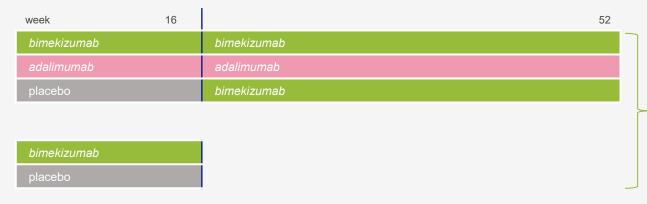
NCT03895203

840 patients (biologic diseasemodifying anti-rheumatic drug (bDMARD) naïve)

#### **BE COMPLETE (PA0011)**

NCT03896581

390 patients (inadequate responders or intolerant to anti-TNF treatment)



#### Primary endpoint ACR50

@ week 16

ACR50 = American College of Rheumatology 50 response at week 16. This Phase 3 study used ACR50 as the primary outcome measure instead of ACR20, i.e., 50 percent versus 20 percent improvement from baseline.

#### **Axial spondyloarthritis**

#### **BE MOBILE1** (AS0010)

NCT03928704

240 patients (non-radiographic axial spondyloarthritis)

week	16		52
bimekizumab		bimekizumab	
placebo		bimekizumab	

#### **BE MOBILE2** (AS0011)

NCT03928743

300 patients (ankylosing spondylitis, also known as radiographic axial spondyloarthritis)

bimekizumab	bimekizumab
placebo	bimekizumab

## Primary endpoint ASAS40

@ week 16

Assessment of SpondyloArthritis International Society 40 percent response at week 16, the primary endpoint of the study. ASAS40 measures improvements in disease across four different domains - patient global assessment of disease activity, spinal pain, physical function and inflammation. The primary endpoint used in this study, ASAS40, set a high threshold for improvement in patientreported outcomes, i.e., at least a 40 percent improvement relative to baseline.



## **Hidradenitis Suppurativa (HS)**

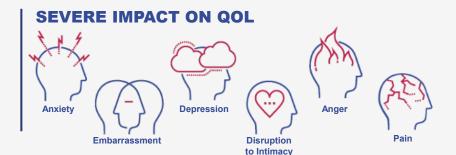
A grim disease with severe impact on people living with this disease

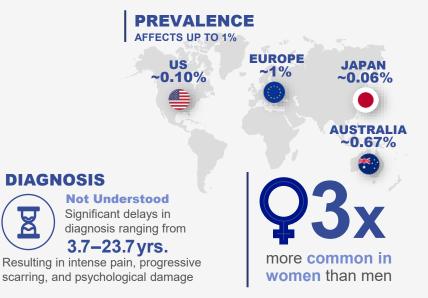




#### Hidradenitis suppurativa (HS)

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





#### **MULTIPLE CO-MORBIDITIES**







Axial Spondyloarthritis (axSpA)

**OTHER CO-MORBIDITIES** 

**Psychological Disorders Metabolic Syndrome** Squamous Cell Carcinoma **Down Syndrome** 



## **Bimekizumab: A Potential New Treatment Option for HS**

#### Two Phase 3 topline results H2 2022

BE HEARD I (HS0003)

NCT04242446

**505 patients**3 dosing regimen (dose not disclosed)

week	16	48	
bimekizumab		bimekizumab	
		bimekizumab	
bimekizumab		bimekizumab	
placebo		bimekizumab	

BE HEARD II (HS0004)

NCT04242498

509 patients

3 dosing regimen (dose not disclosed)

bimekizumab	bimekizumab
bimekizumab	bimekizumab
bimekizumab	bimekizumab
placebo	bimekizumab

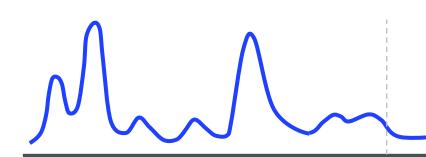
Primary endpoint Hidradenitis Suppurativa Clinical Response 50 (HiSCR50)

@ week 16

HiSCR50 is defined as at least a 50% reduction from Baseline in the total abscess and inflammatory nodule (AN) count, with no increase from baseline in abscess or draining tunnel count.



# Unique Portfolio Comprising Two Mechanisms of Action Poised to Transform the Generalized Myasthenia Gravis Landscape





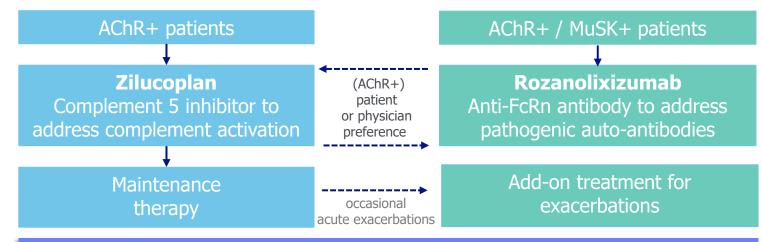
#### Zilucoplan & Rozanolixizumab

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

## Current treatment options

- Many patients not wellcontrolled
- 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)	Immune thrombocytopenia (ITP)	Myelin oligodendrocyte glycoprotein (MOG)-antibody disease	Autoimmune encephalitis (AIE)
<b>(8)</b>	auto-antibodies targeting components of neuromuscular junction	auto-antibodies targeting platelets (loss of function)	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
<b>P</b>	<ul> <li>muscle weakness (extremities, eyes, bulbar and respiratory symptoms)</li> <li>fatigue</li> </ul>	<ul> <li>thrombocytopenia</li> <li>bleeding (petechiae, purpura, nosebleeds, intracranial bleeding)</li> <li>fatigue</li> </ul>	<ul> <li>monophasic or relapsing course of neurological dysfunction including optic neuritis (ON), transverse myelitis (TM), and acute disseminated encephalomyelitis (ADEM)</li> <li>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)</li> </ul>	<ul> <li>cognitive impairment</li> <li>seizures (including faciobrachial dystonic seizures, other focal seizures, and tonic-clonic seizures)</li> <li>hyponatremia</li> <li>sleep disorders</li> </ul>
	~ 10 - 45 cases / 100 000	~ 10 - 50 cases / 100 000	~1 - 4 / 100 000	~ 0.7 / 100 000
•	<ul> <li>Surgery (thymectomy)</li> <li>Steroids, steroid-sparing drugs</li> <li>Plasma exchange (PEX)</li> <li>IV immunoglobulin (IVIg)</li> </ul>	<ul> <li>Platelet transfusion</li> <li>IV immunoglobulin (IVIg)</li> <li>Steroids</li> <li>Surgery (splenectomy)</li> <li>TPO receptor agonists</li> </ul>	<ul> <li>No approved therapy</li> <li>No formal treatment guidelines established</li> </ul>	<ul> <li>immunotherapy and symptomatic therapy including antiseizure medications</li> <li>PEX, IVIg</li> </ul>



## Rozanolixizumab: Targeted Approach Recycling IgG

## Transforming disease burden for patients



#### **HOW**

## Blocking of FcRn receptor binding of plasma IgG<sup>1</sup>...

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



#### **WHO**

#### Patients living with IgGmediated autoimmune diseases

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

generalized myasthenia gravis (gMG) immune thrombocytopenia (ITP)

autoimmune encephalitis (AIE)

myelin oligodendrocyte glycoprotein (MOG)antibody disease

Phase 3 positive topline results published in Q4 2021

Phase 3 ongoing

Topline results H2 2022

Phase 2 started in Q3 2021

Topline results H1 2024

Phase 3 started in Q4 2021

Topline results in H2 2024

#### MG0003 / NCT03971422

200 patients; 3 arms; (*rozanolixizumab* vs. placebo) MG-ADL Score @ Day 43

#### TP0003 / NCT04200456

105 patients; 2 arms; (rozanolixizumab vs. placebo) Platelet Response of ≥50x10^9/L during weeks 13-25

#### AIE001 / NCT04875975

68 patients; 2 arms; (*rozanolixizumab* vs. placebo)
Seizure freedom for 25 weeks<sup>2</sup>

#### MOG001 / NCT05063163

104 patients; 2 arms (rozanolixizumab vs. placebo); time from randomization to first independently centrally adjudicated relapse during the double-blind treatment period



## **Zilucoplan: A Peptide Inhibitor in Tissue-Based C5-Mediated Diseases**



# **Zilucoplan** is designed to inhibit MAC formation by a dual mechanism and allow for normal ACh signaling

 Zilucoplan is a 15-amino acid macrocyclic peptide inhibitor designed to rapidly bind and inhibit C5 cleavage (C5a and C5b)



## C5-mediated diseases affect many patients living with chronic conditions

- Chronic diseases with unpredictable fluctuations and high treatment-associated burden
- · Chronic, rapidly-progressing, fatal disease

	Proof of concept	Phase 3	
Generalized myasthenia gravis (gMG)	<b>✓</b>		
(girio)	<u>Data published here</u>	positive topline results published in Feb. 2022	
Amyotrophic lateral sclerosis (ALS)	Investigator-led st	/3 platform trial ed study by the Healey oundation	

Potential to provide a patient-focused treatment with a quick home subcutaneous infusion delivery



## 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

## Amyotrophic lateral sclerosis (ALS)

Phase 2/3 platform trial investigator-led study by the Healey Foundation

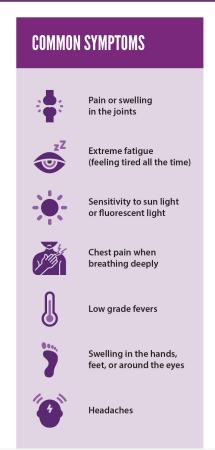
UCB does not comment on investigatorled studies. Please direct your questions to the <u>Healey Foundation</u>.

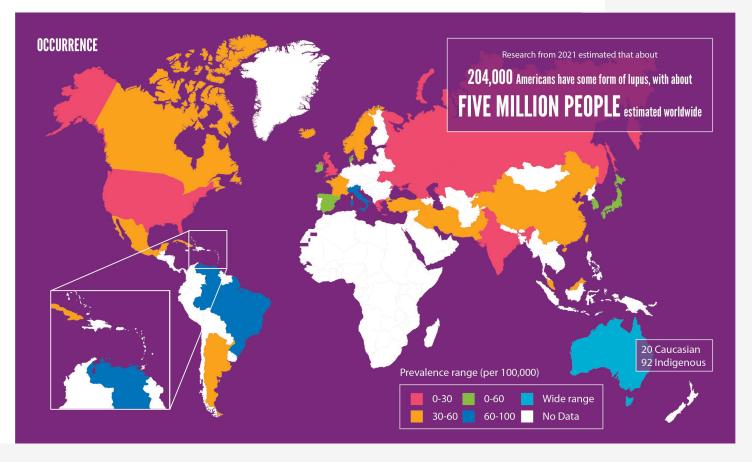


#### **Systemic Lupus Erythematosus (SLE)**

#### **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)

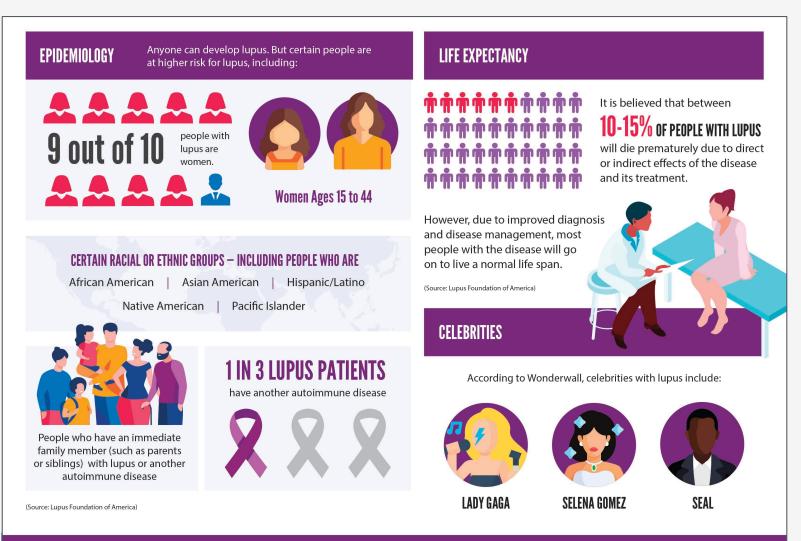






#### **Systemic Lupus Erythematosus (SLE)**

Inflammation in many organ systems simultaneously or sequentially



More about lupus on https://www.ucb.com/disease-areas/Lupus; <sup>1</sup>Source: https://www.lupus.org/resources/what-is-lupus accessed 19 November 2020; <sup>2</sup>African 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:





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.

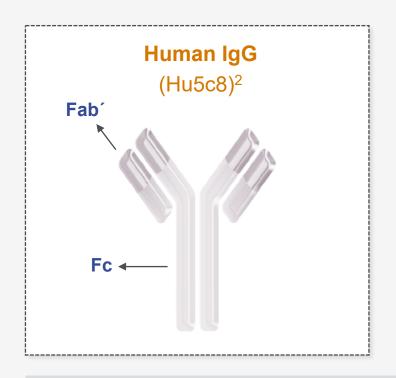
#### Lupus predominantly affects women<sup>1</sup>

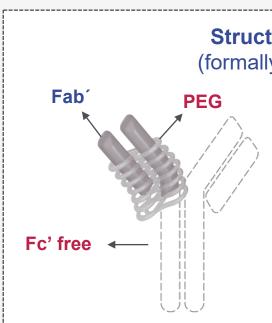
- 80-90% of cases between 15 45
- Disproportionately affects women of colour<sup>2</sup>

#### 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

# **Dapirolizumab Pegol** (DZP) **Is a Humanized Anti-CD40L Fab' Fragment Conjugated to PEG¹**





- Structure of DZP (formally CDP7657)<sup>2</sup>
  - DZP is a humanized anti-CD40L fab' fragment conjugated to PEG¹
  - PEGylation extends the half-life of therapeutic proteins<sup>3</sup>
  - Placenta transport and foetal exposure is predicted to be minimal <sup>5</sup>
  - DZP is currently in Ph3 for SLE<sup>6</sup>

The functional Fc region, present on intact Hu5c8 (an anti-human CD40L intact IgG<sub>1</sub> mAb), has been associated with thromboembolic events in clinical investigations in monkeys.<sup>4</sup> The Fc region is **absent** from the DZP molecule.



<sup>&</sup>lt;sup>1</sup>Chamberlain C et al. Ann Rheum Dis 2017;76:1837–44.

<sup>&</sup>lt;sup>2</sup>Vugler A et al. Ann Rheum Dis. 2011;70(Suppl 3):523.

<sup>&</sup>lt;sup>3</sup>Harris JM & Chess RB. Nature Reviews Drug Discovery. 2003;2:214–221.

<sup>&</sup>lt;sup>4</sup>Wakefield I et al. Arthritis Rheum. 2010;62(Suppl 10):1243.

<sup>&</sup>lt;sup>5</sup> Mariette X, et al. Rheum Dis 2018; 77:228-233

<sup>&</sup>lt;sup>6</sup> ClinicalTrials.gov Identifier: NCT04294667

#### 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

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** 

#### **UCB0599**

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

### Partnered with Novartis

(December 2021)

## people are living with Parkinson's Disease (PD) worldwide<sup>1</sup>

#### High unmet need given lack of disease-modifying therapies

UCB and Novartis have entered into an agreement<sup>2</sup>

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 bn<sup>3</sup>
- 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 U.S. and all other territories

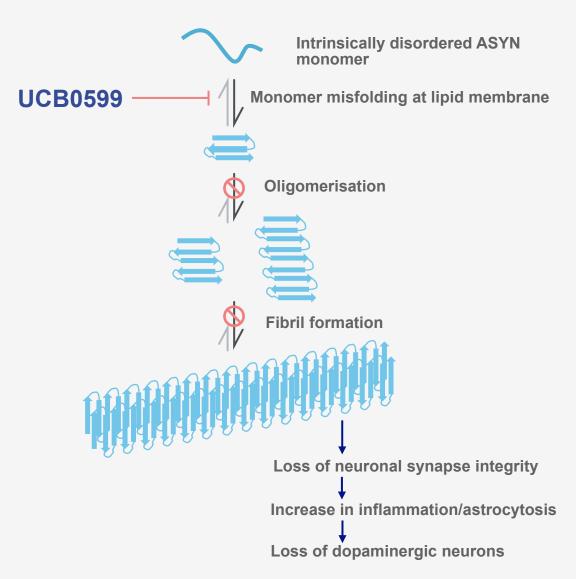


<sup>1.</sup> Parkinson's Foundation. Parkinson's Disease Statistics. <a href="https://www.parkinson.org/Understanding-Parkinsons/Statistics">https://www.parkinson.org/Understanding-Parkinsons/Statistics</a>.

<sup>2.</sup> Closing of the transaction remains subject to obtaining antitrust clearances

<sup>3.</sup> 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<sup>1,2</sup>
- UCB0599 is thought to prevent the initial misfolding of ASYN that leads to fibril formation and consequent progression of PD<sup>1-5</sup>
- 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)<sup>6–8</sup>



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

NCT04658186<sup>1</sup> / EudraCT 2020-003265-19<sup>2</sup>

Screening

UCB0599

Placebo

#### Treatment period (18 months)

Safety follow-up (1 month)



#### Patients<sup>1</sup>

- 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 diseasemodifying treatment studies for neurodegenerative diseases



#### Primary endpoint<sup>1</sup>

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

#### Secondary endpoints<sup>1</sup>

- 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)



# **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.



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

mage is for illustrative purposes only

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

#### 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:**

**Screening Visit** 

Randomization

End-of-Study Visit

Screening up to 6 weeks

Treatment Period ≤12-week outpatient treatment period



#### **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.<sup>1,2</sup> Clinical progression is closely linked to the **progressive spread of tau pathology** throughout the brain.<sup>1</sup>



Pathological tau aggregates or 'seeds' can spread between neurons propagating disease<sup>3,4</sup>



**Bepranemab** is a fully humanised, full-length IgG4 monoclonal anti-tau antibody<sup>5</sup> that is currently under investigation for the treatment of AD<sup>6</sup>



Bepranemab aims to reduce the progression of disease by binding extracellular pathological tau and slowing down or halting the spread of tau neuropathology<sup>1,3,5</sup>



#### Together (AH0003): Overview and Study Design

#### A Phase 2 study in people living with AD



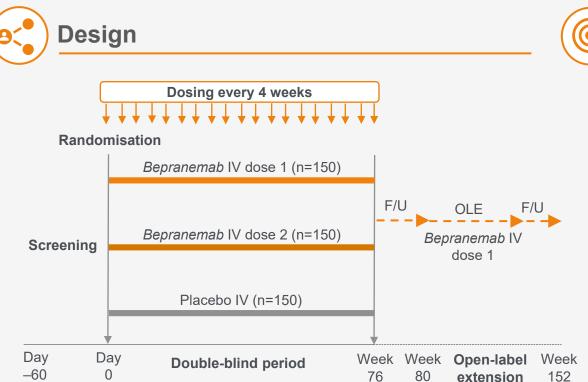
#### **Objective**

To evaluate the efficacy, safety, and tolerability of *bepranemab* in people with prodromal and mild AD<sup>1</sup>



#### **Inclusion criteria**

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





#### **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

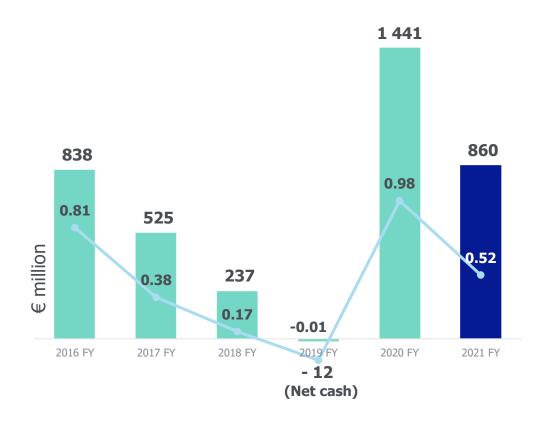


#### **Solid Cash Flow**

#### **Cash flow from continuing operations**

# 1 098 1 081 896 893 726 CAGR +13.5% OCAGR +

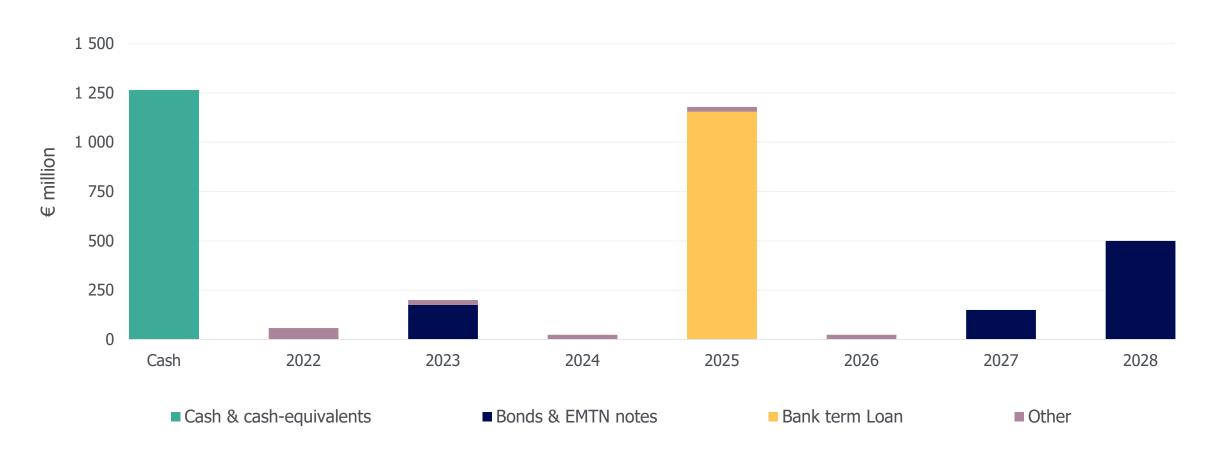
#### Net debt / adjusted EBITDA ratio





# Proprietary and Confidential Property of UCB

#### **Debt Maturity Schedule** (@ 31 December 2021, € million)





#### **UCB's Organization**

#### Our people are key to deliver on our ambition



#### **UCB Today: A Global Player**

Presence in 36 countries complemented by a robust network of partners

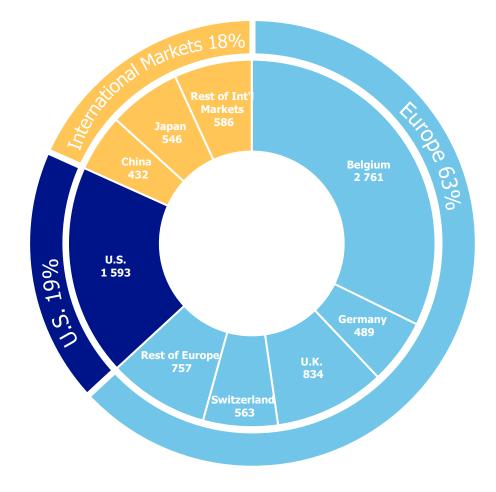




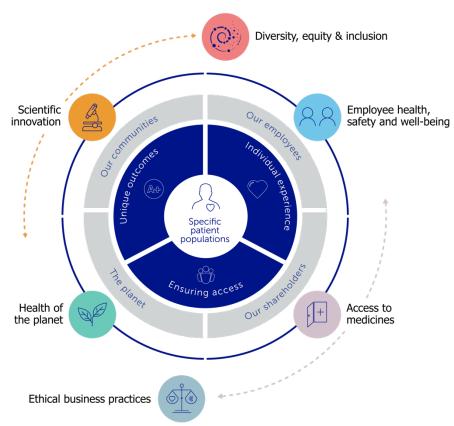


1 147
New colleagues





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





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.



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.



Our goals

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%.



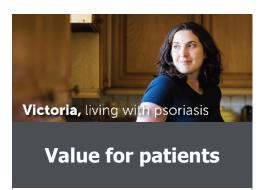
By 2025, we will lead in 5 specific patient populations

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.



#### ... Continuing to Advance on Our Sustainable Growth Journey





Value for people at UCB and our communities



Value for shareholders

>3.7 million patients in 2021

**31%** reimbursement for all within regulatory labels

**55%** reimbursement for some but not all within regulatory labels

1 359 jobs created

**81.9%** for our Health, Safety and Wellbeing Index

**-62%** CO2 emissions we directly control vs. 2015

Value the planet

**23%** emissions by our suppliers with Science-Based-Targets alike

€ 5.78 billion revenues

€ 1.64 billion adj. EBITDA

**16.8** as Sustainalytics rating (low risk)

**Long Term** 

**Objectives** 

#### **UCB Green Strategy**

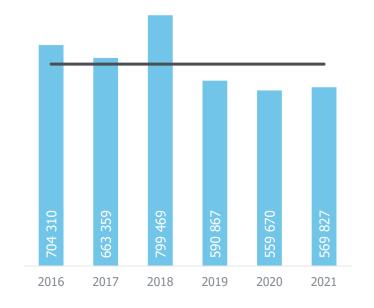
#### Our environmental targets by 2030

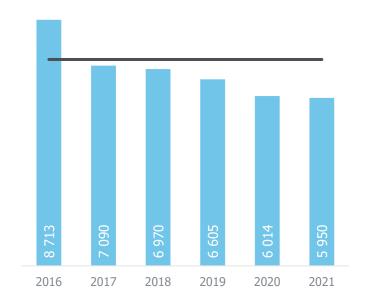




Waste production - 39% since 2015







CO2e emissions (tons)

2030 Objective -35%

Water consumption (m<sup>3</sup>)

2030 Objective -20%

Waste production (tons)

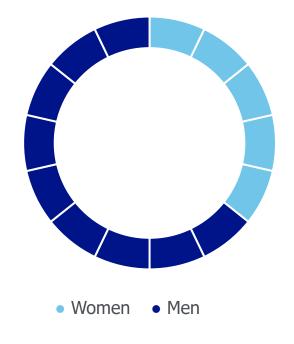
2030 Objective -25%

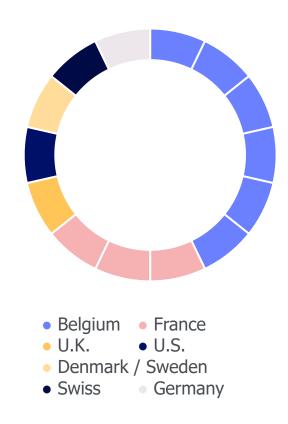


#### **Corporate Governance**

#### Board of directors

- 14 members
  - Mandate: 4 year
  - Age limit: 70
- 5 women (36%)
- 9 independent directors (64%)
- 7 nationalities



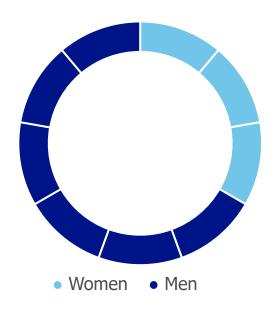


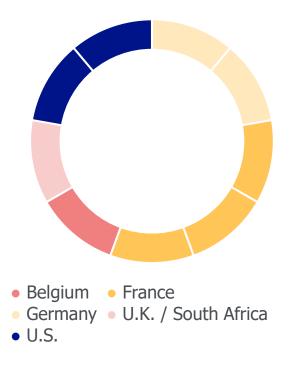


#### **Corporate Governance**

#### **Executive committee**

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







#### **Corporate Governance**

#### Executive committee headed by Jean-Christoph Tellier

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



JL Fleurial, **CHRO** 



S. Dufour, **CFO** 



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

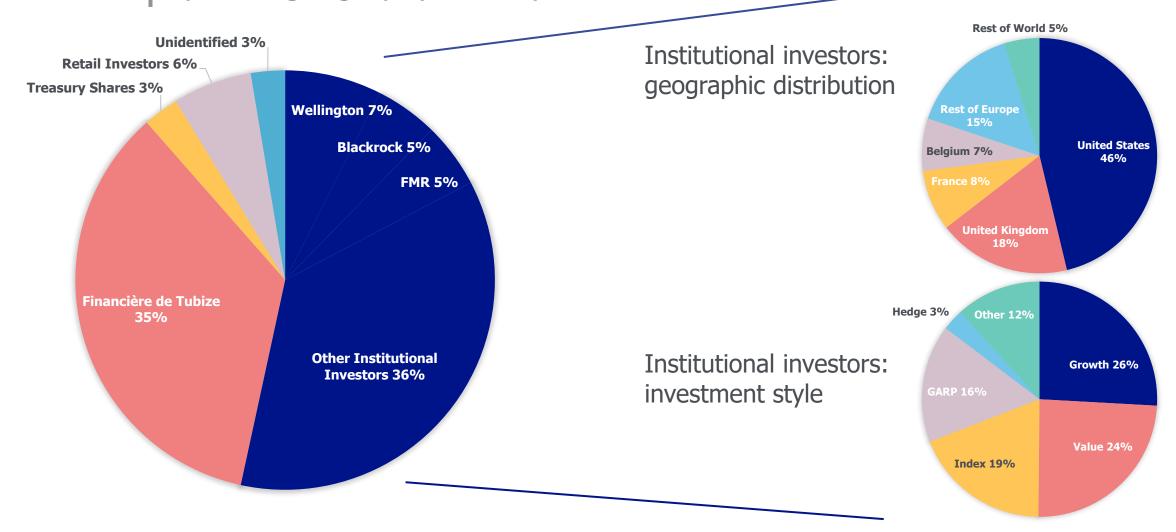


C. van Zyl, Neurology Solutions & Head of EU / International



#### **Shareholder Distribution**

By firm, geography and style



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