# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

#### FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934
Date of Report (Date of earliest event reported): January 7, 2025

#### CAMP4 THERAPEUTICS CORPORATION

	CAM	(Exact name of registrant as specified in its charter)	JIN				
Delaware (State or other jurisdiction of incorporation)		001-42365 (Commission File Number)	81-1152476 (IRS Employer Identification No.)				
	One Kendall Sc Building 1400 West, Cambridge, N (Address of principal ex	3rd Floor MA	02139 (Zip Code)				
	(Re	egistrant's telephone number, including area code): (617) 651-8867					
		Not Applicable (Former name or former address, if changed since last report)					
Check t	the appropriate box below if the Form 8-K filing is intended to simultaneousl	y satisfy the filing obligation of the registrant under any of the following	provisions (see General Instruction A.2. below):				
	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)						
	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)						
	Pre-commencement communications pursuant to Rule 14d-2(b) under the I	Exchange Act (17 CFR 240.14d-2(b))					
	Pre-commencement communications pursuant to Rule 13e-4(c) under the E	Exchange Act (17 CFR 240.13e-4(c))					
Securiti	ies registered pursuant to Section 12(b) of the Act:						
	Title of each class	Trading Symbol(s) CAMP	Name of each exchange on which registered				
Indicate	Common Stock, par value \$0.0001 per share  by check mark whether the registrant is an emerging growth company as de		The Nasdaq Global Market ) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this				
chapter)	).						
Emergii	ng growth company ⊠						
	nerging growth company, indicate by check mark if the registrant has elected hange Act. $\Box$	not to use the extended transition period for complying with any new or	revised financial accounting standards provided pursuant to Section 13(a) of				

#### Item 7.01 Regulation FD Disclosure.

From time to time, Camp4 Therapeutics Corporation (the "Company") intends to conduct meetings with third parties in which its current corporate slide presentation is presented. A copy of this slide presentation, dated January 2025, is furnished as Exhibit 99.1 to this Current Report on Form 8-K. The information responsive to Item 7.01 of this Form 8-K and Exhibit 99.1 hereto shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

#### Itam 9 01 Othor Events

On January 7, 2025, the Company issued a press release reporting safety data from all four cohorts of the single ascending dose, or SAD, portion of its ongoing Phase 1 clinical trial of CMP-CPS-001 in healthy volunteers and highlighting certain other recent corporate updates and key upcoming milestones. The full text of this press release is filed as Exhibit 99.2 to this Current Report on Form 8-K and is incorporated herein by reference. The information contained on the websites referenced in the press release is not incorporated herein.

#### Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit !	No.	Description
99.1 99.2 104		Slide presentation, dated January 2025, Press release, dated January 7, 2025. Cover Page Interactive Data File (embedded within the Inline XBRL document).

#### SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

#### CAMP4 THERAPEUTICS CORPORATION

By: /s/ Josh Mandel-Brehm
Name: Josh Mandel-Brehm
Title: President and Chief Executive Officer

Date: January 7, 2025



# Pioneering a new class of RNA medicines to increase targeted gene expression

Corporate Overview
January 2025

#### Forward-Looking Statements

This presentation contains forward-looking statements that are based on the beliefs and assumptions and on information currently available to CAMP4's management. All statements other than statements of historical fact contained in this presentation are forward-looking statements. Forward-looking statements include information concerning the initiation, timing, progress and results of preclinical and clinical trials of CAMP4's product candidates, the timing or likelihood of regulatory filings and approvals for any of its product candidates, and estimates regarding CAMP4's expenses, future revenues, and future capital requirements. In some cases, you can identify forward-looking statements because they contain words such as "may," "might," "would," "shall," "should," "expects," "plans," "anticipates," "could," "intends," "target," "projects," "contemplates," "believes," "estimates," "looks," "seeks," "predicts," "potential," "ongoing," or "continue" or the negative of these words or other similar terms or expressions that concern our expectations, strategy, plans or intentions, although not all forward-looking statements are accompanied by such words. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause CAMP4's actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. This information was factually accurate on the date it was published. CAMP4 assumes no duty to update the information to reflect subsequent developments, except as required by law.

The safety and efficacy of CAMP4's product candidates and/or uses under investigation have not been established. There is no guarantee that any of our product candidates will receive regulatory authority approval or become commercially available in any country for the uses being investigated or that any such product candidate will achieve a particular revenue level. In particular, CAMP4's expectations could be affected by, among other things, uncertainties involved in the development of new therapeutic products; unexpected clinical trial results or unexpected new clinical data; unexpected regulatory actions or delays or government regulation generally; CAMP4's ability to obtain or maintain patent or other proprietary intellectual property protection; competition in general; CAMP4's ability to the stablish and maintain collaborations, strategic relationships and supply arrangements, or to realize the intended benefits from such relationships or arrangements; whether CAMP4's cash resources will be sufficient to fund its foreseeable and unforeseeable operating expenses and capital expenditure requirements; CAMP4's ability to raise additional funding on favorable terms, or at all; the rate and degree of market acceptance and clinical utility of CAMP4's product candidates; the ability and willingness of our third-party collaborators to continue research, development and manufacturing activities relating to our product candidates; the ability and willingness or estimates for the potential and market for our products; and government, industry, and general public pricing and other political pressures. The actual results may vary from the anticipated results and the variations may be material. Other factors that may cause the Company's actual results to differ from current expectations are discussed in the Company's filings with the SEC, including the sections titled "Risk factors," "Management's discussion and analysis of financial condition and results of operations" and "Special note regarding forward-looking stateme



### Pioneering a new class of RNA medicines to increase targeted gene expression



There are prevalent diseases where gene upregulation is likely to have a meaningful clinical benefit



CAMP4 is the leader in gene regulatory RNA (regRNA) discovery and regRNA-targeting antisense oligonucleotide (ASO) therapies to upregulate gene expression to restore healthy protein levels



Our proprietary RAP Platform™ was built for the discovery of novel regRNAs that regulate the expression of every protein-coding gene



Our current focus is on metabolic and CNS genetic diseases where modest increases in protein expression can be clinically meaningful



Clinical data expected from MAD portion of ongoing Phase 1 study of CMP-CPS-001 for Urea Cycle Disorders in 2H '25 and advancement of SYNGAP1 program into GLP tox studies

IPO: OCT 2024

NASDAQ: CAMP

CASH RUNWAY INTO Q2 '26

HEADQUARTERS: CAMBRIDGE, MA





## World-class management team, experienced board and advisors



Josh Mandel-Brehm
President & CEO

Biogen polarispartners

genzyme



David Bumcrot, PhD
Chief Scientific Officer
editas 2 Alnylam



Kelly Gold
Chief Financial Officer

Biogen Deutsche Bank



Yuri Maricich, MD Chief Medical Officer





Michelle Gates Chief People Officer





Caleb Moore Chief Business Operations Officer







Satya Kuchimanchi, PhD SVP, Technical Operations





Alla Sigova, PhD VP, Head of Platform





Daniel Tardiff, PhD VP, Head of Discovery





James Boylan

Ingo Chakravarty

Michael Higgins

Steven Holtzman

Josh Mandel-Brehm

Amir Nashat, ScD

Paula Ragan, PhD

Andy Schwab

Ravi Thadhani, MD

Rick Young, PhD

Len Zon\*, MD

\*Board observer, co-founder



# Advancing a pipeline in metabolic and CNS genetic diseases with the goal of a new clinical candidate every 12-18 months

Program	Indication	Target	Discovery & Preclinical	Phase 1	Phase 2	Phase 3	Anticipated Milestones	Commercial Rights
Metabolic diseases	5						111 111 111	
CMP-CPS-001	Urea Cycle Disorders	CPS1					Phase 1 MAD data in 2H'25	CAMP4
CNS diseases								
CMP-SYNGAP	SYNGAP1-related Disorders	SYNGAP1					Initiation of GLP tox studies in '25	CAMP4
New Named Program	Genetically defined Parkinson's disease (PD) and sporadic PD	GBA1						CAMP4
New Discovery Programs	CNS & Metabolic	Numerous	Active discov	ery and developme	nt of multiple progr	ams utilizing RAP	Platform	CAMP4
Collaborations								
	collaboration leveraging CA s for two genetic targets.	MP4's RAP P	latform advancing ı	novel therapeutics	hat increase protei	n levels by targetir	ng	BIOMARIN



# Agenda

**CAMP4** overview

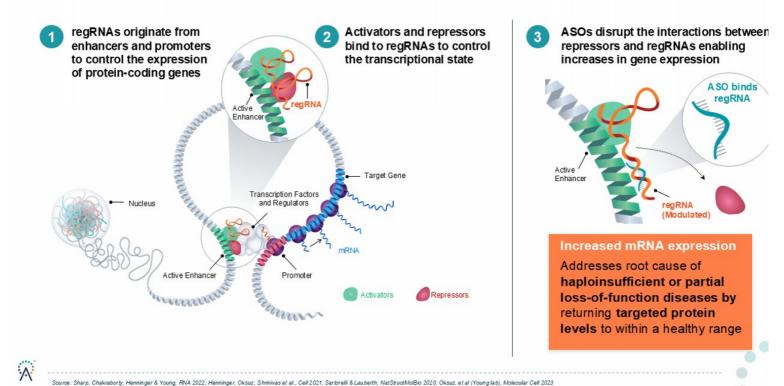
RAP Platform: regRNAs are master controllers of gene regulation

Lead metabolic program: Urea Cycle Disorders

Lead CNS program: SYNGAP1-related Disorders



### regRNAs play a central role in the regulation of every gene's expression



# CAMP4's proprietary RAP Platform™ catalogs thousands of regRNAs in any tissue and generates ASO leads to increase gene expression



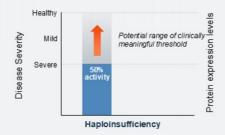
### CAMP4 applies its RAP Platform to genetic diseases where modest increases in gene expression can be clinically meaningful

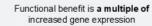
#### **Platform Fit**

Upregulating target gene by modest amount can provide clinically meaningful benefit



#### Functional benefit is proportional to increased gene expression







#### Partial loss of function

### Translation and Druggability

- · Ability to achieve delivery and target engagement in the desired cell type
- · Compelling preclinical datasets in relevant disease models

#### **Clinical and Regulatory**

- · Defined patient population
- Efficacy can be evaluated in Ph 1/2 based on availability of biomarkers
- · Clear or established path to approval

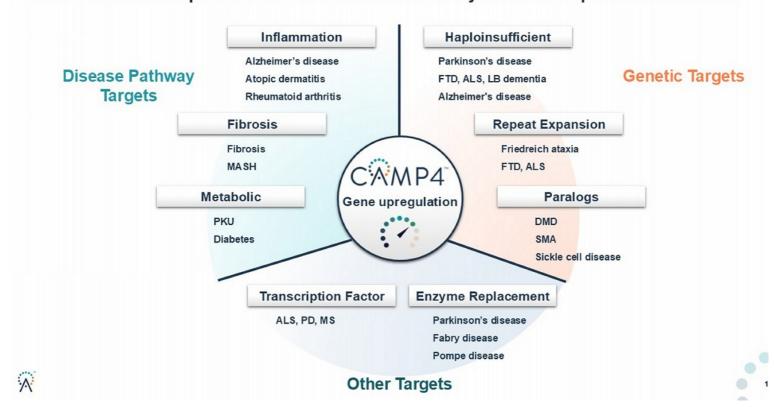
#### **Commercial Potential**

- · High unmet need, often life threatening
- · Differentiated from competition, with attractive revenue potential





### RAP Platform has potential to address a broad array of rare and prevalent diseases



# Agenda

**CAMP4** overview

RAP Platform: regRNAs are master controllers of gene regulation

Lead metabolic program: Urea Cycle Disorders

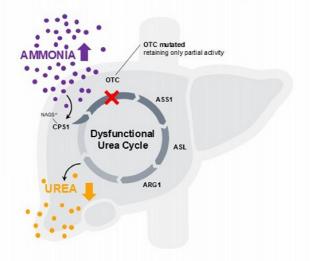
**Lead CNS program: SYNGAP1-related Disorders** 





# Urea Cycle Disorders (UCDs) are a set of life-threatening inherited metabolic diseases characterized by the accumulation of toxic ammonia

Mutation in one of several urea cycle enzymes or transporters causes suboptimal ureagenesis (conversion of ammonia to urea)



#### **UCD** background

- Ammonia accumulates to dangerous levels without warning, posing a constant risk of life-threatening hyperammonemic crises and irreversible brain damage
- ~5,000 UCD patients in the U.S.; 3,700 severe patients\*, 1,200+ symptomatic OTC female heterozygotes<sup>1, 2</sup>
- OTC, ASL, ASS1 mutations account for 90% of all patients<sup>1, 3</sup>

#### Current standard of care is symptomatic

- · No mutation agnostic disease modifying treatments available
- Symptomatic therapies include nitrogen scavengers (3-4 pills / day) and a strict diet that borders on malnutrition
- Constant risk of hyperammonemic crises which can be caused by infection, lapse in diet or medications

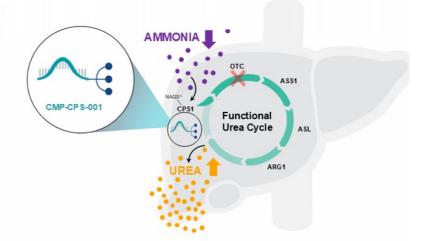


\*Enzyme levels > 5% of normal, severe symptoms persist beyond the first month of life \*NAGS enzyme produces the co-factor NAG which activates CPS1 <sup>1</sup> Batshaw et al., Mol Genet Metab, 2014; <sup>2</sup> Sen et al., Mol Genet Genomic Med, 2024; <sup>3</sup> Posset et al., J Inherit Metab Dis., 2019

# CAMP4 is targeting increased expression of CPS1, resulting in amplified ureagenesis and improved conversion of ammonia to urea

#### CPS1 is the gatekeeper of the urea cycle

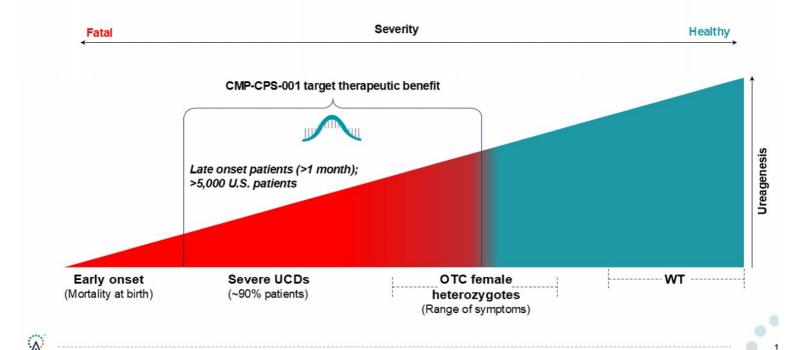
CMP-CPS-001 is a GalNAc-conjugated ASO that binds to a CPS1-specific regRNA to increase CPS1 expression and upregulate the expression of multiple urea cycle enzymes to amplify the conversion of ammonia to urea, potentially addressing more than 90% of patients with late onset UCDs.



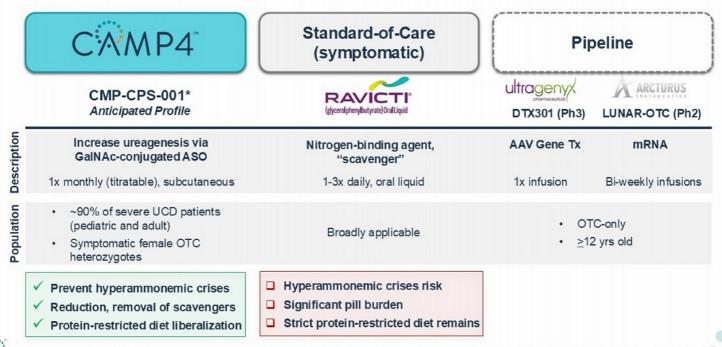




# Clinical observations and precedent have found that modest increases in ureagenesis resulted in significant reductions in disease severity



### CMP-CPS-001 has the potential to be the 1st disease modifying pan-UCD therap





\*CMP-CPS-001 has been granted Rare Pediatric Disease Designation and Orphan Drug Designation

# CMP-CPS-001 has the potential to be the first disease-modifying therapy for the treatment of the most prevalent UCDs by increasing ureagenesis

#### Compelling preclinical proof of concept

CAMP4 approach directly reduces toxic ammonia and increases ureagenesis

- Human hepatocyte data: Dose-dependent increase in CPS1 expression in normal and diseased OTC-d human cells
- Otc-deficient mice data: 20-30% ↑ ureagenesis compared to baseline, leading to ~50% ↓ ammonia (wild-type levels); ~1 month duration of action
- Humanized mouse data: 20-30% ↑ ureagenesis compared to baseline, leading to ~70% ↓ ammonia; ↑ CPS1 + downstream enzymes
- Non-human primate data: 40% ↑ ureagenesis

#### Phase 1 clinical design

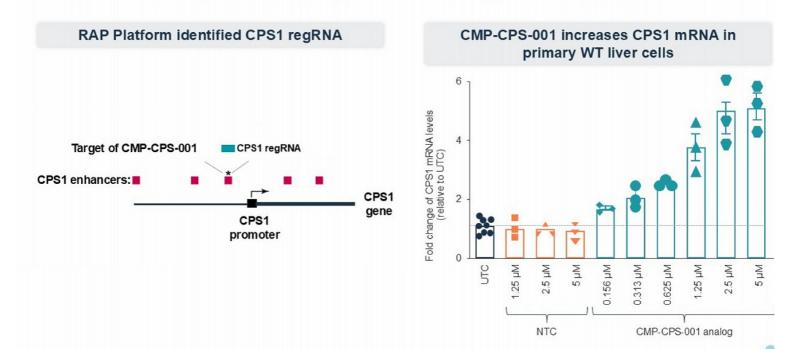
Ability to measure increases in ureagenesis in healthy volunteers can translate to improved ammonia clearance in UCD patients

- Biomarker: Urea cycle activity (ureagenesis) can be monitored in healthy volunteers and patients using the ureagenesis rate test (URT)
- Phase 1 study: CAMP4 is utilizing URT in SAD / MAD Phase 1 CMP-CPS-001 clinical study
- Proof of concept: Multiple companies have utilized the URT in healthy volunteers and in patients

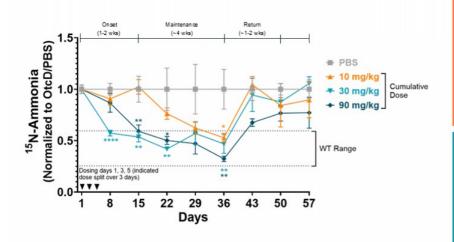




## CMP-CPS-001 targets the key regRNA controlling CPS1 expression



# ASO targeting mouse *Cps1* regRNA in Otc-deficient mice reduces ammonia and supports once-monthly dosing



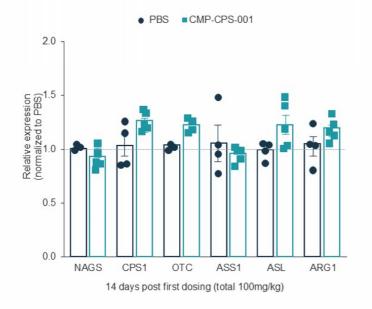
- The Otc<sup>spf-ash</sup> mouse model carries a patient mutation in Otc that reduces mRNA levels
- Otc activity is 5%-10% of wild-type<sup>1</sup>
- Model displays elevated ammonia relative to wildtype mice following an acute ammonia challenge
- ASO was shown to cause significant ~50% reduction in toxic ammonia (approx. WT levels)
- Correlated with ~20% increase in urea production (data no shown)
- Maximal effect achieved in 2-3 weeks
- Response persisted for ~1 month

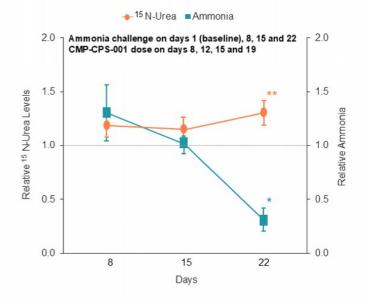


Hodges and Rosenberg, PNAS, 1989

### CMP-CPS-001 increases ureagenesis in WT mice with humanized liver

Data confirm target engagement of CMP-CPS-001 in human hepatocytes in vivo and show increased expression of other urea cycle enzymes



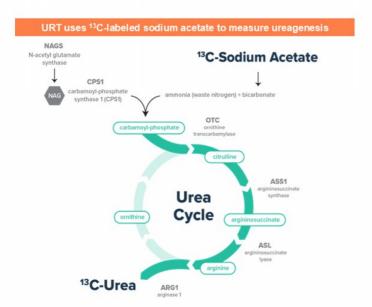


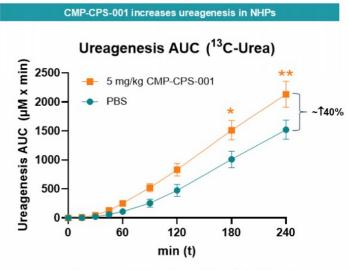


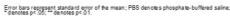
Error bars represent standard error of the mean; PBS denotes phosphate-buffered saline

\*\* denotes P<.01; \* denotes P<.05

# Using ureagenesis rate test (URT), CMP-CPS-001 was shown to increase ureagenesis up to 40% in wildtype cynomolgus monkeys



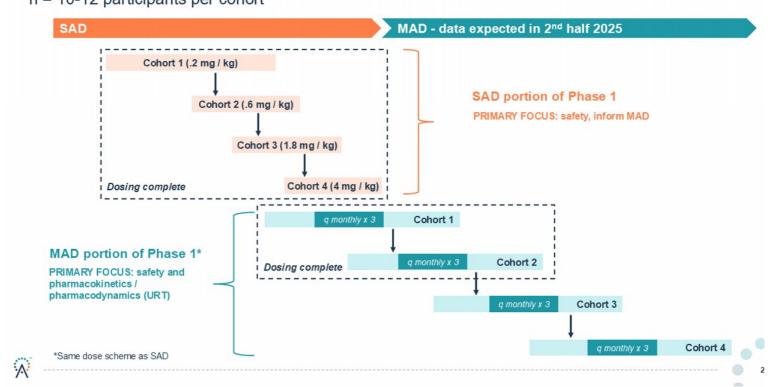






Using <sup>13</sup>C-Sodium Acetate for ureagenesis in WT NHP NHP administered drug once-monthly. Ureagenesis assessed up to 30 days after final dose. Data shown is one week after a second dose.

# Ongoing CMP-CPS-101 Phase 1 SAD / MAD clinical trial in healthy volunteers n = 10-12 participants per cohort



### Phase 1 SAD safety summary (all cohorts 1 – 4)

- SAD portion of study completed. Conducted planned interim analysis of safety data for 48 normal healthy volunteer participants.
  - 4 Cohorts of 12 participants each, randomized 3:1 investigational product to placebo; 32 individuals received CMP-CPS-001.
- CMP-CPS-001 has been well tolerated, with no indication of a maximum tolerated dose at the tested dose levels. No safety trends of concern have been observed, including no treatment-emergent serious adverse events.
- Safety results were favorable and consistent with profiles of approved liver-targeted ASOs and with
  expectations based on previously reviewed safety data from SAD Cohorts 1 & 2, which showed similar
  findings of all TEAEs being Grade 1 (mild) or Grade 2 (moderate) with no concerning safety trends.
  - All treatment emergent adverse events (TEAEs) were Grade 1 (mild) or Grade 2 (moderate). The most common TEAEs by participant and number were headache (six) and nausea (four).

The Safety Review Committee	has approved dose escalation	and initiation of MAD Cohort 3.
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# Phase 1 has the potential to enable a combined Phase 2/3 registration study anticipated in 2026



#### Safety

- Vitals
- · Cardiac monitoring
- · Liver function tests
- · Immunogenicity





- · Plasma and urine measurements
- Compare human pharmacokinetic behavior to pre-clinical data observations
- Observe that human PK achieves levels expected to demonstrate efficacy on ammonia and ureagenesis in animal studies



#### Ureagenesis rate test (PD)

- Ureagenesis measures rates of flux through the urea cycle
- Rates of ureagenesis correlate with reduction in ammonia (approvable endpoint)
- URT utilized by other programs to correspond with clinically meaningful dropping of low protein diet and scavenger (supportive care measures)

Key Endpoint(s) in one or more anticipated Phase 2 / 3 Trials:

- · Ammonia (recognized approvable endpoint)
- · Diet liberalization
- · Nitrogen Scavenger reduction
- · Ureagenesis, glutamine
- · Clinical events





# Agenda

**CAMP4** overview

RAP Platform: regRNAs are master controllers of gene regulation

Lead metabolic program: Urea Cycle Disorders

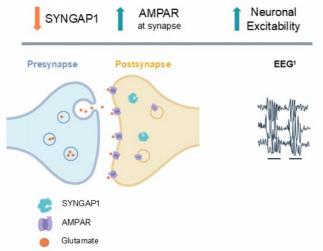
Lead CNS program: SYNGAP1- related Disorders





### SYNGAP1-related disorders, a severe genetic neurodevelopmental condition

Mutations in SYNGAP1 lead to decreased SYNGAP protein, causing increased synaptic firing



#### SYNGAP1 background

- · Highly burdensome symptom array:
  - Intellectual disability, severe behavioral problems, ASD
  - Generalized epilepsy
  - Sleep problems
  - · Impaired motor skills, gait abnormality
  - · Impaired communication, speech problems
- ~10,000+ SYNGAP1 patients in the US<sup>1-3</sup>

#### Current standard of care is symptomatic

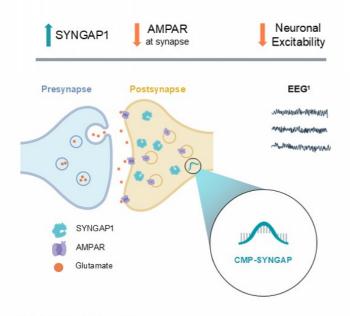
- · No disease modifying treatments available
- · Non-specific antiepileptics, sleep meds
- Constant patient care needed, caregiver worry about behavioral problems, agitation

1 López-Rivera et al., Brain, 2020 2 Bahk et al., Int J Environ Res Public Health, 2019 3 Weldon et al., J Neurodev Disord, 2018





# CAMP4 aims to increase SYNGAP1 protein levels to restore SYNGAP1 at the synapse and improve disease symptoms



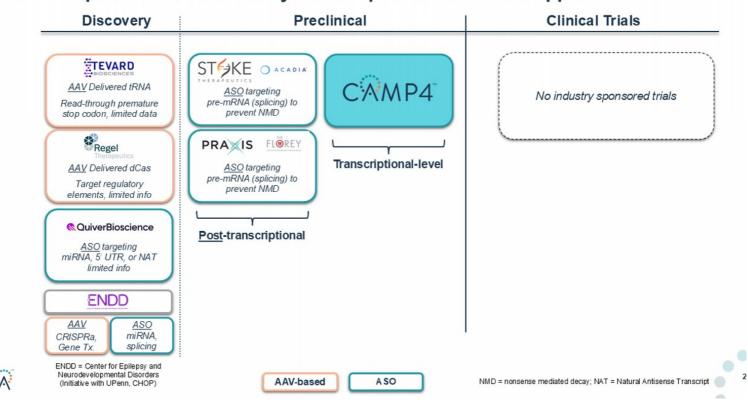
#### Restoring SYNGAP1 levels to treat disease

The CMP-SYNGAP program has identified lead ASOs that bind to a SYNGAP1-specific regRNA to increase SYNGAP1 expression. Intrathecal administration of the clinical candidate will aim to restore SYNGAP1 towards wild-type levels, normalize synaptic function, and improve symptoms of patients with mutations in SYNGAP1 causing haploinsufficiency.





### CAMP4 positioned as the only transcriptional-level ASO approach

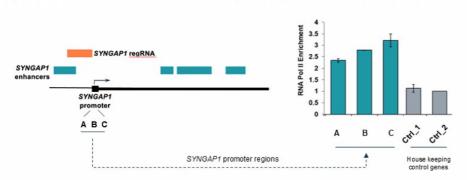


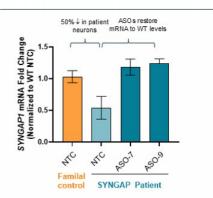
### Targeting SYNGAP1 regRNA demonstrated 2-fold increased expression of SYNGAP1 mRNA and protein in vitro











- · Regulatory regions identified using RAP Platform
- · Increased RNA Polymerase II at SYNGAP1 promoter (Chromatin Immunoprecipitation)
   All groups treated with regRNA-targeting ASO
   Data normalized to NTC for both control genes and SYNGAP1

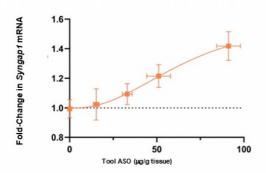
· iPSC-derived neurons from SYNGAP patient and a familial control

NTC = non-targeting control



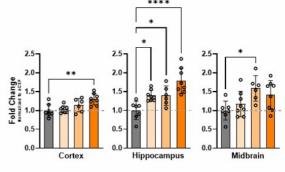
# ASOs targeting SYNGAP1 regRNA demonstrated dose-responsive increase in mRNA and protein in vivo

# Dose-responsive increase in *Syngap1* mRNA with mouse surrogate ASO



- · Wild-type, neonatal mice
- · Intracerebroventricular injection
- mRNA assessment at two weeks post-dose (showing midbrain)

# Dose-responsive increase in SYNGAP1 protein with lead ASO in humanized mouse model



- Mouse model with human SYNGAP1 replacement of mouse gene
- · Intracerebroventricular injection
- · Protein assessment at two weeks post-dose



\*Artificial CSF





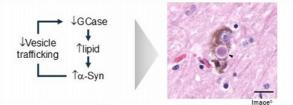
# New discovery program: Increasing GBA1 expression for the potential treatment of Parkinson's disease



- 5-15% of Parkinson's disease (PD) patients have GBA1 (GCase) mutations1
- Frequency equates to ~100K GBA-PD patients in the US (~1M PD)<sup>1,2</sup>
- Mutations result in ~50% reduction of GCase activity<sup>3</sup>

GBA1 rationale

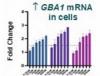
- GCase and α-synuclein (hallmark disease protein for PD) are part of a positive feedback loop<sup>4</sup>
- GCase activity also reduced in sporadic PD<sup>3</sup>
- Plan to explore therapeutic potential in both genetically defined GBA-PD and sporadic PD





 ASOs identified that target GBA1 regRNA that lead to robust increases in expression in vitro RAP Platform: regRNAs identified

A SO Synthesis & Screening



Biomarker

 Clinical development enabled with widely used rating scales (UPDRS) and biomarkers (GCase in CSF, NfL, α-synuclein)



'Sidransky et al., N Engl J Med, 2010; "Parkinson's Foundation & APDA; "Gegg et al., Annals of Neurology, 2012; "Mazzulli et al., Cell, 2011; "Credit: Tulemo, CC BY-SA 4.0, via Wikimedia Commons.

### Pioneering a new class of RNA medicines to increase targeted gene expression



There are prevalent diseases where gene upregulation is likely to have a meaningful clinical benefit



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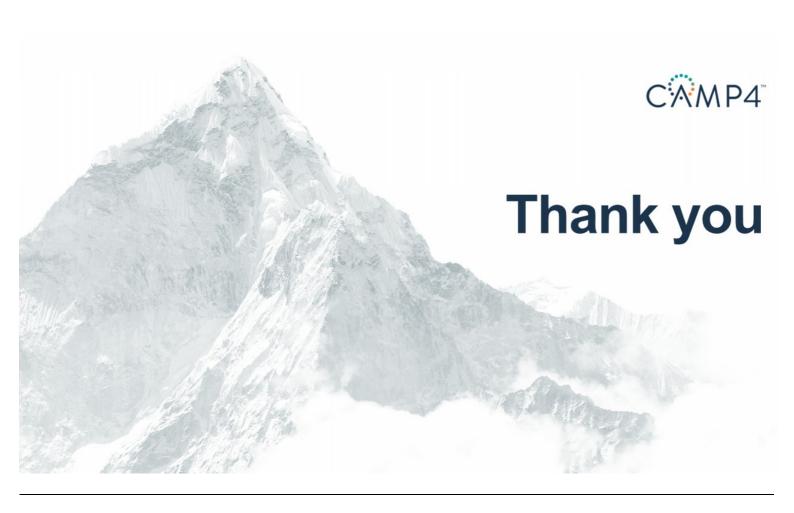
NASDAQ: CAMP

CASH RUNWAY INTO 02 '26

HEADQUARTERS: CAMBRIDGE, MA







#### CAMP4 Provides Corporate Undates and Highlights Key Uncoming Milestones

- Data from Single Ascending Dose (SAD) portion of Phase 1 study of CMP-CPS-001 for the treatment of urea cycle disorders (UCDs) demonstrates favorable safety results
  - Completed dosing in the first two Multiple Ascending Dose (MAD) cohorts, and initiated dosing in Cohort 3
    - MAD safety and key study biomarker data expected in 2H 2025
       CAMP4 added to Russell 2000® Index
  - Initiation of new discovery program targeting a GBA1 regRNA for the treatment of Parkinson's disease (PD)
  - Company to present at the 43rd Annual J.P. Morgan Healthcare Conference on Wednesday, January 15 at 3:45 p.m. PST

CAMBRIDGE, Mass., January 7, 2025 – CAMP4 Therapeutics Corporation ("CAMP4") (Nasdaq: CAMP), a clinical-stage biotechnology company developing regRNA-targeting antisense oligonucleotide (ASO) therapies to upregulate gene expression to restore healthy protein levels, today provided corporate updates and key objectives for 2025.

'2024 was a transformative year for CAMP4, highlighted by our successful IPO, and we are entering 2025 with tremendous momentum and a clear path towards delivering on our goals," said Josh Mandel-Brehm, Chief Executive Officer of CAMP4. "We are very pleased with the clinical progress of our lead program CMP-CPS-001 for urea cycle disorders, which was granted Rare Pediatric Disease Designation and Orphan Drug Designation, validating the urgency of our novel regRNA-targeting ASOs. Additionally, our strategic partnership with BioMarin highlights confidence in our RAP platform. These achievements, combined with the proceeds from the IPO, position us to continue to progress our pipeline development and execute on key milestones this year

"We are pleased to report the safety data from the SAD portion of our Phase 1 study of CMP-CPS-001 for UCDs, showing that the drug has been well-tolerated," said Dr. Yuri Maricich, Chief Medical Officer of CAMP4. "We expect 2025 to be a pivotal year as we anticipate reporting MAD safety and key biomarker data in the second half of 2025. Results from these studies could enable us to advance the CMP-CPS-001 program into a registrational Phase 2/3 trial in 2026."

#### 2024 Kev Highlights

- Completed IPO of 6,820,000 shares of common stock at an initial public offering price of \$11.00 per share. Aggregate gross proceeds to CAMP4 were approximately \$75.0 million. The underwriters also partially exercised their option to purchase an additional 643,762 shares of common stock for total offering gross proceeds of \$82.1 million.
- Advanced Phase 1 clinical trial of CMP-CPS-001 for UCDs. The Phase 1 study is a randomized, double-blind, and placebo-controlled study designed to evaluate the safety, tolerability, and pharmacokinetics of CMP-CPS-001
- Completed planned interim analysis of all four SAD cohorts of the Phase 1 clinical trial of CMP-CPS-001 in 48 healthy volunteer participants. Safety results were favorable and consistent with the safety profile of approved liver-targeted ASOs, with all treatment emergent adverse events (TEAEs) being Grade 1 (mild) or Grade 2 (moderate). The two most common TEAEs across all cohorts were headache (six participants) and nausea (four participants). No safety trends of concern have been observed, and CMP-CPS-001 appears to be well-tolerated. Dosing is completed in the first two MAD cohorts, and the Safety Review Committee (SRC) has approved dose escalation to MAD Cohort 3, in which dosing has been initiated.
- The FDA granted Rare Pediatric Disease Designation and Orphan Drug Designation to CMP-CPS-001 for the treatment of UCDs.
- Entered strategic research collaboration agreement with BioMarin Pharmaceutical Inc., under which BioMarin has the right to select two targets identified by CAMP4's RAP Platform to advance into clinical development.
- Company added to the Russell 2000® Index as part of the fourth quarter IPO additions.
- Appointed John Maraganore, Ph.D., and Rachel Meyers, Ph.D., as strategic advisors.

#### **Expected Milestones in 2025**

- · MAD safety, pharmacokinetic and key pharmacodynamic biomarker data in healthy volunteers in the second half of 2025.
- · GLP toxicity studies of lead ASO candidate for neurodevelopmental disorders caused by SYNGAP1 mutations to be initiated this year.
- · Advance a new discovery program targeting a GBA1 regRNA to increase gene expression for the treatment of Parkinson's disease (PD) caused by mutations in GBA1, with potential for application in sporadic PD.
- · Company to focus on expanding its strategic partnerships to continue maximizing the value of its RAP platform.

#### **About CAMP4 Therapeutics**

CAMP4 is developing disease-modifying treatments for a broad range of rare and prevalent genetic diseases where increasing healthy protein levels may offer meaningful therapeutic benefits. Our approach allows for targeted gene upregulation by harnessing a fundamental mechanism of how genes are controlled. To increase gene expression, our therapeutic ASO drug candidates target regRNAs, which act locally on transcription factors and are the master regulators of gene expression. CAMP4's proprietary RAP Platform<sup>TM</sup> enables the mapping of regRNAs and generation of therapeutic candidates designed to target the regRNAs associated with genes underlying haploinsufficient and recessive partial loss-of-function disorders, of which there are more than 1,200, in which a modest increase in protein expression may have the potential to be clinically meaningful. Learn more about us at <a href="https://www.CAMP4tx.com">www.CAMP4tx.com</a> and follow us on <a href="https://www.CAMP4tx.com">LinkedIn</a> and <a href="https://www.CAMP4tx.com">X</a>.

#### Forward-Looking Statements

This press release contains forward-looking statements which involve risks, uncertainties and contingencies, many of which are beyond the control of the Company, which may cause actual results, performance, or achievements of differ materially from anticipated results, performance, or achievements All statements to the has statements by terms such as "may," "will," "should," "expect," "plan," "anticipate," "could," "intend," "target,," "project," "contemplate," "estimate," "project," "contemplate," "estimate," "project," "contemplate," "estimate," "project," "prodential" or "continue" or the negative of these terms or other similar expressions, although not all forward-looking statements contain these words. Forward-looking statements include, but are not limited to, statements concerning CAMP4's plans, objectives, expectations and intentions; the timing and results of ongoing and future clinical trials, including expectations on the timing of reporting MAD data from the CMP-CPS-001 trial and advancing the CMP-CPS-001 program into a registration-enabling trial; the timing to initiate GLP toxicity studies relating to CAMP4's SYNGAP1 program; the timing to advance new discovery programs; its growth strategy; and cash runway guidance. The forward-looking statements, including, but not limited to; the Company is limited operating history, incurred or substantial losses since the Company's including, but not limited to; the Company is limited operating history, incurred or substantial loads including the foreseeable future; the Company's including, but not limited to; the Company's including but not limited to; the Company's including trial produce of substantial and increasing losses for the foreseeable future; the Company's actual results to differ materially from those anticipated in the foreseeable future; the Company's actual results to differ materially from those anticipated or different produced to additional costs or delays in completing, or failing to complete, the development and commercialization of the

#### Contacts

Investor Relations: Sandya von der Weid LifeSci Advisors<u>svonderweid@lifesciadvisors.com</u>

Media: Jason Braco, Ph.D. LifeSci Communications jbraco@lifescicomms.com