#### SERIES A PREFERRED STOCK PROXY CARD

# UNICYCIVE THERAPEUTICS, INC. PROXY FOR ANNUAL MEETING TO BE HELD ON JUNE 9, 2025 THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

The undersigned hereby appoints, John Townsend and Shalabh Gupta, and each of them, as proxies, each with full power of substitution, to represent and to vote all the shares of Series A-2 Prime Convertible Preferred Stock of Unicycive Therapeutics, Inc. (the "Company"), which the undersigned would be entitled to vote, at the Company's Annual Meeting of Stockholders to be held on June 9, 2025 and at any adjournments thereof, subject to the directions indicated on this Proxy Card.

In their discretion, the proxy is authorized to vote upon any other matter that may properly come before the meeting or any adjournments thereof.

THIS PROXY WILL BE VOTED IN ACCORDANCE WITH THE SPECIFICATIONS MADE, BUT IF NO CHOICES ARE INDICATED, THIS PROXY WILL BE VOTED FOR THE ELECTION OF ALL NOMINEES AND FOR THE PROPOSALS LISTED BELOW.

This proxy is governed by the laws of the State of Delaware.

IMPORTANT—This Proxy must be signed and dated below.

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting of Stockholders to be held on June 9, 2025 at 10:00 a.m. Pacific Daylight Time at our offices, located at 4300 El Camino Real, Suite 210, Los Altos, CA 94022. The proxy statement and the 2024 Annual Report on Form 10-K are available at <a href="https://annualgeneralmeetings.com/uncy2025">https://annualgeneralmeetings.com/uncy2025</a>.

## THIS IS YOUR PROXY YOUR VOTE IS IMPORTANT!

Dear Stockholder:

We cordially invite you to attend the Annual Meeting of Stockholders of Unicycive Therapeutics, Inc. to be held at our offices located at 4300 El Camino Real, Suite 210, Los Altos, CA 94022, on June 9, 2025, beginning at 10:00 a.m. Pacific Daylight Time.

Please read the proxy statement which describes the proposals and presents other important information, and complete, sign and return your proxy promptly in the enclosed envelope.

### THE BOARD OF DIRECTORS RECOMMENDS A VOTE "FOR" PROPOSALS 1, 2, and 3.

1. I	Election of Director Nominee					F05	
		FOR	WITHHOLD			FOR	WITHHOLD
	01. Dr. Gaurav Aggarwal			03. Dr. S	Sandeep Laumas		
	02. Dr. Shalabh Gupta			04. Dr. S	Saraswati Kenkare-Mitra		
	Proposal to ratify Grassi & Co., CP 2025.	As, P.C. as	the Company's ind	lependent registered	I public accountants for the fi	scal year end	ing December 31,
	□ ГОБ	<b>t</b>	□ <b>A</b>	GAINST	□ ABSTAIN		
ł	Approval of an amendment to the Coutstanding common stock, at a ratiboard of directors in its discretion a our stockholders.	o within the	e range of 1-for-2 to	o 1-for-20 (the "Re	verse Stock Split"), with the f	inal ratio to l	be selected by our
Ì	□ FOF	ł	□ <b>A</b>	GAINST	□ ABSTAIN		
	cate full title. e:						
Sign	nature:						
Sign	nature:						
Title	e:						
	☐ I plan to attend the Annu	al Meeting	in person				
	☐ I agree to receive all futu am able to change this se				ronically via the email address	ss provided b	elow. I understand I
	FMAIL ADDRESS:						

### **Voting Instructions**

You may vote your proxy in the following ways:

- **♦** Via Internet:
  - 1 Login to <a href="https://annualgeneralmeetings.com/uncy2025">https://annualgeneralmeetings.com/uncy2025</a>
  - Enter your control number (12 digit number located below)
- **■** Via Mail:

Pacific Stock Transfer Company c/o Proxy Department 6725 Via Austi Parkway, Suite 300 Las Vegas, Nevada 89119

CONTROL NUMBER	

You may vote by Internet 24 hours a day, 7 days a week. Internet voting is available through 11:59 p.m., prevailing time, on June 8, 2025.

Your Internet vote authorizes the named proxies to vote in the same manner as if you marked, signed and returned your proxy card.