Intergalactic Therapeutics to Present Preclinical Data Highlighting Potential of Its Non-Viral Gene Therapy Platform at the American Society of Gene and Cell Therapy 26th Annual Meeting

Lead program, IG-002 targeting* ABCA4 *retinopathies demonstrated long-term, persistent protein expression over twelve months with a single administration

Newly developed* in vitro *efficacy model highlights ability of non-viral gene therapy platform to deliver large genetic payloads

Data support plan to advance IG-002 into the clinic in 2024

CAMBRIDGE, Mass., May 11, 2023 – Intergalactic Therapeutics, a company focused on transforming medicine through non-viral gene therapy, announced today that it will present two posters highlighting preclinical data for IG-002, Intergalactic's lead program addressing all forms of *ABCA4*-related retinopathies, at the American Society of Gene and Cell Therapy (ASGCT) 26th Annual Meeting, being held in Los Angeles, CA, from May 16-20, 2023.

Featured presentations will highlight data assessing a newly developed *in vitro* efficacy model demonstrating the potential of Intergalactic's integrated platform for delivery of full-length *ABCA4* to retinal cells *in vivo*. The Company will also present preclinical *in vivo* results demonstrating, for the first time, that a single subretinal administration of a non-viral DNA payload encoding the complete human *ABCA4* coding sequence resulted in durable, 12-month expression of human ABCA4 protein in adult porcine retinas. The expression levels achieved suggest potential therapeutic benefit in individuals living with *ABCA4*-related retinopathies.

In both studies, full-length *ABCA4* DNA encoded into Intergalactic's proprietary C^3DNA (covalently closed and circular DNA) cargo platform was delivered using COMET, Intergalactic's proprietary *in vivo* electro-transfer based system for targeted delivery of C^3DNA.

"We are excited to share encouraging preclinical data from our lead program, IG-002, as well as our non-viral gene therapy platform with the cell and gene therapy community at ASGCT," said **Theresa G.H. Heah, M.D., M.B.A.**, Chief Executive Officer of Intergalactic Therapeutics. "Together, these findings highlight the potential of our proprietary non-viral C^3DNA + COMET platform to deliver large genetic payloads and enable persistent and durable gene therapies to address previously intractable disorders. We are working diligently to advance IG-002 towards an IND filing in the first half of 2024 as we seek to revolutionize treatment for patients with few or no therapeutic options."

Details for the presentations are as follows:

Poster Title: COMET-mediated delivery of C^3DNA in human cell-based *in vitro* models of retinal pigment epithelium
Presenter: Rachelle Prantil-Baun, Ph.D., Director, Head of Tissue Targeting at Intergalactic Therapeutics
Abstract Presentation Number: 714

Session: Wednesday Poster Session
Date and Time: Wednesday, May 17, 2023 at 12:00 p.m. PDT
Location: Los Angeles Convention Center, Los Angeles, CA

Poster Title: Non-viral delivery of *ABCA4* to photoreceptors
Presenter: Gayathri Ramaswamy, Ph.D., Vice President, Drug Discovery and Disease Biology at Intergalactic Therapeutics
Abstract Presentation Number: 1512
Session: Friday Poster Session
Date and Time: Friday, May 19, 2023 at 12:00 p.m. PDT
Location: Los Angeles Convention Center, Los Angeles, CA

About *ABCA4*-Related Retinopathies

ABCA4-related retinopathies, including Stargardt disease, cone-rod dystrophy, and retinitis pigmentosa, lead to degeneration of rods and cones and cause vision loss that often starts in childhood or adolescence, ultimately leading to blindness. These diseases are associated with mutations in the *ABCA4* gene, more than 900 of which have been described. There are currently no approved treatments for *ABCA4*-related retinopathies and, while replacement with wild-type ABCA4 protein has the potential to slow or stop disease progression, standard AAV gene therapy platforms are not appropriate for addressing these diseases due to the large size of the gene and the growing safety concerns associated with viral vectors. Intergalactic's novel platform bypasses these drawbacks and enables local delivery of non-viral gene therapy, representing a potentially transformative approach for addressing these blinding diseases.

About Intergalactic Therapeutics

Intergalactic Therapeutics, an Apple Tree Partners (ATP) company, is transforming medicine through non-viral gene therapy. Its proprietary integrated platform comprises three core pillars: versatile C^3DNA technology (covalently closed and circular DNA); groundbreaking precise and tunable approaches to local therapeutic delivery using the COMET electro-transfer system; and a rapid, scalable, and cost-effective manufacturing process to make gene therapy safer and more accessible. With a diversified portfolio of potential new treatments for eye diseases and beyond, Intergalactic is dedicated to helping patients around the world by bringing non-viral gene therapies into reality. For more information, visit www.intergalactictx.com.

Investor Relations Contact:
Alex Lobo
Stern Investor Relations, Inc.
alex.lobo@sternir.com

Media Contact:
Heather Shea
Catalytic Agency
heather.shea@catalyticagency.com