

OUT ASTRONAUT

2023 SPONSORSHIP OPPORTUNITIES



FOR MORE INFORMATION, PLEASE CONTACT:
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OUR MISSION

OUT ASTRONAUT is a collaboration between Stardom Space and the International Institute for Astronautical Sciences (IIAS) to **address the under-representation of Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) people in science and space.** We highlight the contributions of LGBTQ+ members currently working in science and space and provide grants to promising LGBTQ+ students currently pursuing professions in space-related fields.

Of the 561 individuals that have been selected as astronauts or cosmonauts, none have ever identified openly as a member of the LGBTQ community during their tenure as an active astronaut. Dr. Sally Ride was never out until her death in 2012. More recently, Astronaut Anne McClain's lesbian identity was forced into the spotlight following a highly-publicized domestic dispute. Consequently, the LGBTQ community is notably under-represented in STEM professions; according to a recent poll conducted by 'Pride in STEM', **more than 40 percent of LGBTQ people in STEM are not out** and LGBTQ students are less likely to follow an academic career. As a result, there are fewer out LGBTQ STEM professionals serving as role models to LGBTQ youth.

The **OUT ASTRONAUT CONTEST** is a three-phase competition that is open to those who are part of the Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ+) community and are involved in Science, Technology, Engineering and Mathematics (STEM) fields. We are looking for individuals who openly embrace their role in the LGBTQ+ community, want to serve as role models to LGBTQ youth, and become representatives of their community as pioneers of astronautical science.



WE BELIEVE THAT COMMUNITIES ARE EMPOWERED WHEN THEY ARE REPRESENTED. ASTRONAUTS INSPIRE OUR YOUTH, REPRESENT LIMITLESS POSSIBILITIES, AND SERVE AS AMBASSADORS TO STEM.

- DR. JASON REIMULLER, EXECUTIVE DIRECTOR

The world's first openly LGBTQ+ scientist-astronaut will set a precedent for change.

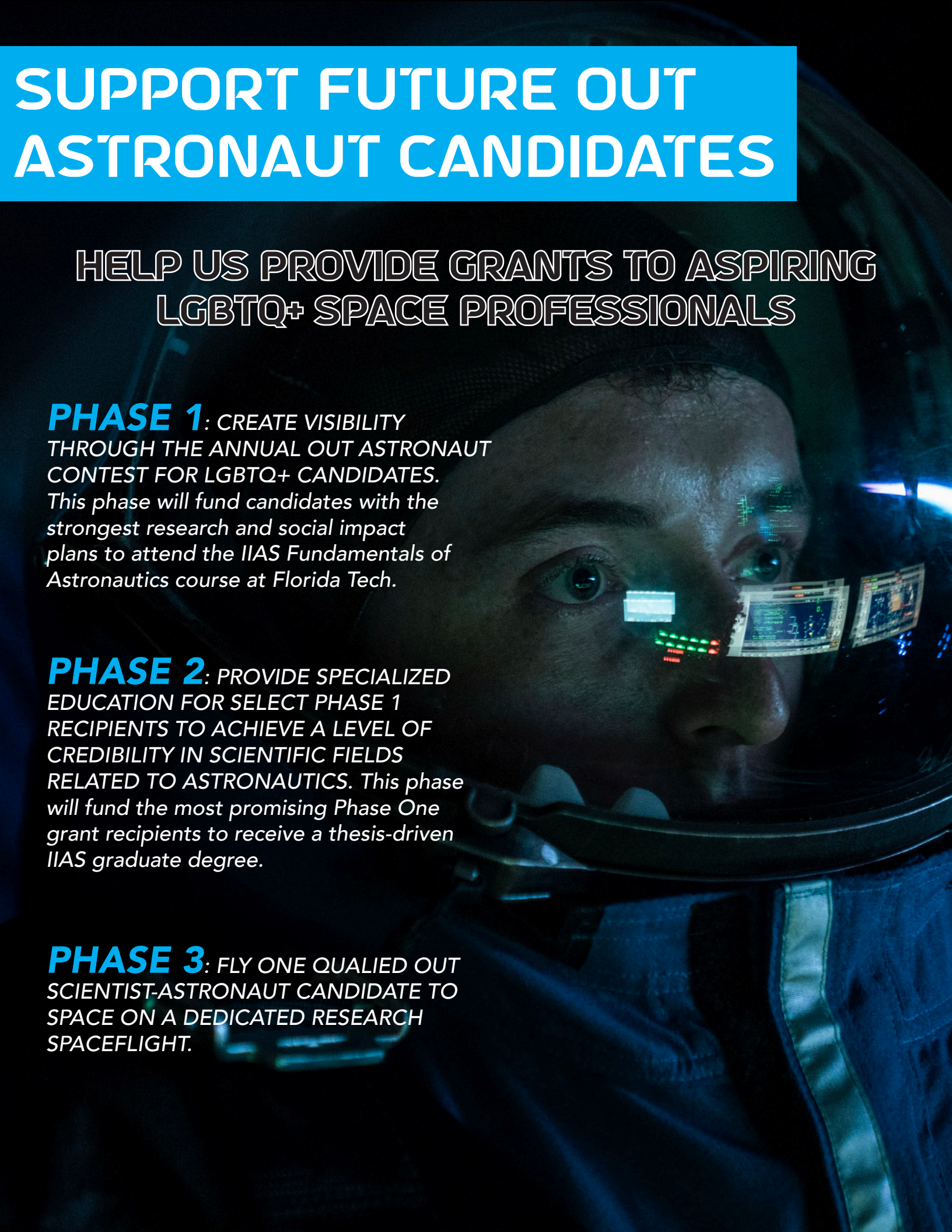
SUPPORT FUTURE OUT ASTRONAUT CANDIDATES

HELP US PROVIDE GRANTS TO ASPIRING LGBTQ+ SPACE PROFESSIONALS

PHASE 1: CREATE VISIBILITY THROUGH THE ANNUAL OUT ASTRONAUT CONTEST FOR LGBTQ+ CANDIDATES. *This phase will fund candidates with the strongest research and social impact plans to attend the IAS Fundamentals of Astronautics course at Florida Tech.*

PHASE 2: PROVIDE SPECIALIZED EDUCATION FOR SELECT PHASE 1 RECIPIENTS TO ACHIEVE A LEVEL OF CREDIBILITY IN SCIENTIFIC FIELDS RELATED TO ASTRONAUTICS. *This phase will fund the most promising Phase One grant recipients to receive a thesis-driven IAS graduate degree.*

PHASE 3: FLY ONE QUALIFIED OUT SCIENTIST-ASTRONAUT CANDIDATE TO SPACE ON A DEDICATED RESEARCH SPACEFLIGHT.



SPONSORSHIP TIERS

TROPOSPHERE LEVEL - \$500

For a tax-deductible donation of \$500, your organization will receive:

- 4 Out Astronaut patches and 4 custom Out Astronaut T-shirts
- Signed Out Astronaut picture and letter of appreciation to your organization

STRATOSPHERE LEVEL - \$2,500

For a tax-deductible donation of \$2,500, your organization will receive:

- 12 Out Astronaut patches and 12 embroidered mission shirts
- Signed Out Astronaut picture and letter of appreciation to your organization
- Listing of your organization as sponsoring partner on website and social media posts
- Photo of your organization's logo displayed during one 2023 Out Astronaut campaign
- Invite for one member of your organization to be an Out Astronaut contest judge for our 2023 Phase One competition

MESOSPHERE LEVEL - \$5,000

For a tax-deductible donation of \$5,000, your organization will receive:

- 12 Out Astronaut patches and 12 embroidered mission shirts
- Signed Out Astronaut picture and letter of appreciation to your organization
- Listing of your organization as sponsoring partner on website and social media posts
- Logo placement with video imagery during events which Out Astronaut Phase 2 award recipients are training
- Photo of your organization's logo displayed during both 2023 Out Astronaut campaign
- An online LGBTQ+ DEI event focused on STEM-specific issues and customized to the needs of your organization, provided by our trained professionals
- Invite for two members of your organization to be Out Astronaut contest judges for our 2023 Phase One competition



"The goal of Out Astronaut is to send an LGBTQ+ individual to suborbital space who is professionally, academically, and I guess bioastronautically trained and to do it in a professional manner, which will be beneficial towards both scientific and societal causes."

- Brian Murphy, Out Astronaut 2021 Winner

SUPPORT OUR RESEARCH

Join Out Astronaut as we plant the first
PRIDE FLAG on the Moon!

EVENT: IN PARTNERSHIP WITH THE INTERNATIONAL INSTITUTE FOR ASTRONAUTICAL SCIENCES, OUT ASTRONAUT WILL PRODUCE HIGHLY-IMPACTFUL CONTENT THROUGH THE USE OF AN EVA SPACE SUIT, A LUNAR SIMULATION LAB, AND A GRAVITY-OFFSET SYSTEM. THIS WILL EVALUATE SPACESUIT TECHNOLOGIES THROUGH THE MOST ACCURATE SIMULATION OF LUNAR ACTIVITIES AVAILABLE ON EARTH. IT WILL ALSO CALL ATTENTION TO THE BARRIERS FACED BY THE LGBTQ+ COMMUNITY IN SPACE AND STEM AS WE PLANT A PRIDE FLAG INTO THE LUNAR SOIL SIMULANT.

INCLUDED: In addition to the sponsorship benefits listed below, we invite four (4) people to participate in this event. Each attendee will also receive 1) lunch with IIAS and Out Astronaut founder, Dr. Jason Reimuller, and 2) a team-building experience including initial space suit training 3) a professional space flight simulation experience for each attendee 4) Inclusivity training unique to LGBTQ+ employees in the STEM workforce.

DATE: Saturday, April 15, 2023

TAKE HOME:

- Branded video of event
- Framed signed picture with all attendees and the Out Astronaut team
- Official Out Astronaut shirt and mission patch for all attendees
- Certificates of Completion for individuals and framed Letter of Appreciation to Sponsor
- All benefits of Mesosphere Level sponsorship for 2023

Sponsorship in the amount of \$25,000 would fund this campaign and include four of the sponsor's delegates.

SUPPORT OUR RESEARCH

Join Out Astronaut for the First All-LGBTQ+ Microgravity Research Flight

EVENT: IN PARTNERSHIP WITH THE INTERNATIONAL INSTITUTE FOR ASTRONAUTICAL SCIENCES AND THE NATIONAL RESEARCH COUNCIL OF CANADA, OUT ASTRONAUT WILL CONDUCT A RESEARCH CAMPAIGN IN MICROGRAVITY (ZERO-G) WITH MULTIPLE NOVEL EXPERIMENTS AS WE CALL ATTENTION TO THE BARRIERS FACED BY THE LGBTQ+ COMMUNITY IN SPACE AND STEM. THE FLIGHT TEAM WILL CONSIST OF A SIX-MEMBER, ALL-LGBTQ+ CREW. YOUR ORGANIZATION MAY CONTRIBUTE UP TO THREE OF THOSE MEMBERS AND YOUR LOGO MAY BE FREELY DISPLAYED ON THE INTERIOR OF THE AIRCRAFT AND ON THE FLIGHT SUITS.

INCLUDED: In addition to the sponsorship benefits listed below, we invite six (6) people to attend this first parabolic flight. Over the course of two days, three (3) people will be trained as in-flight researchers to fly with the Out Astronaut team. In addition, each attendee will receive 1) Lunch with the Out Astronaut team, 2) Inclusivity training unique to LGBTQ+ employees in the STEM workforce, and 3) Mission-specific training and pre-flight briefings.

DATE: October 2023

TAKE HOME:

- Branded video of event
- Framed signed picture with all attendees and the Out Astronaut team
- Official Out Astronaut shirt and mission patch for all attendees
- Certificates of Completion for individuals and framed Letter of Appreciation to Sponsor
- All benefits of Mesosphere Level sponsorship

Sponsorship in the amount of \$50,000 would fund six scientists, inclusive of up to three of the sponsor's delegates.

THE TEAM

DR. BRANDY NUNEZ, CHAIR



Dr. Brandy Nunez is a veterinarian, a mother, an electronic musician, and an aspiring astronaut. She is CEO of Mobile Veterinary Services, Inc, based in Orange County, CA. Her formal education is in microbiology/chemistry, with an emphasis on novel therapeutic discovery. She then obtained her Doctorate of Veterinary Medicine from the Western University of Health Sciences. After many years of clinical and emergency work, Dr. Nunez opened her own mobile practice, focusing on underserved populations.

Dr. Nunez is passionate about conducting biomedical research in space and has a special interest in medical research aboard artificial/low gravity space stations. She is currently a student at IIAS, concentrating on the Bioastronautics program.

DR. JASON REIMULLER, EXECUTIVE DIRECTOR



Dr. Jason Reimuller currently serves as the Executive Director of the International Institute of Astronautical Sciences. A gay man twice selected by NASA as a “highly qualified” astronaut candidate, Jason served for six years as a system engineer and project manager for NASA’s Constellation Program and currently serves as a Co-I of NASA’s PMC-Turbo experiment. He has also been a Commissioned Officer in the US Air Force. Jason holds a Ph.D. in Aerospace Engineering Sciences from the University of Colorado in Boulder and M.S. degrees in Physics, Flight Test Engineering, and Aerospace Engineering. Jason also works as a commercial research pilot and is a NAUI SCUBA Divemaster. Jason was a co-founder of the San Francisco Fog rugby club, one of the world’s first rugby teams for gay athletes, and has been instrumental in helping expand the popularity of the sport in the LGBTQ community since.

NIC NELSON, DIRECTOR OF OPERATIONS



Nic is an MD candidate at Sidney Kimmel Medical College with plans to become a flight surgeon specializing in astronaut health surveillance and radiation safety. A bicoastal STEM aficionado, he received his bachelor’s from UCLA in biochemistry and English. He taught junior high science before performing space medicine research at Jefferson University and the University of Pennsylvania, where he ran analog studies on human health and performance in spaceflight simulations. When studying for exams, he procrastinates by meeting friends for a workout, reading about spacetime or consciousness, trying new foods, attempting to learn Russian through Slavic pop songs, or exploring the world. As a gay-identifying medical student, he aims to encourage aspiring LGBTQ professionals while advocating planetary stewardship. He cofounded the Aerospace Medical Association’s diversity committee, whose primary objective is to promote diversity and inclusion in astronautics and aerospace medicine.



THANK YOU!

