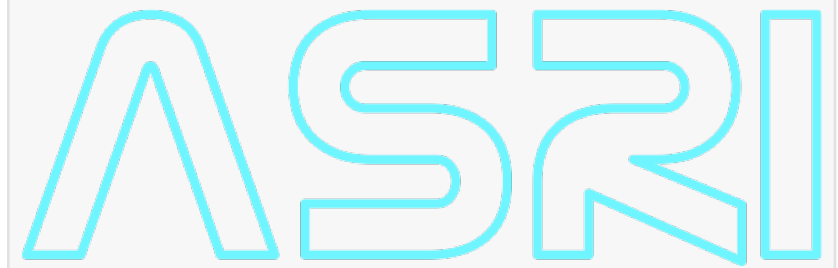


World's First Scientific Research Institute for Study of Sex & Reproduction in Outer Space Announced

Advanced SpaceLife Research Institute Launches 30-Year Strategic Research Initiative to Study Human Sexual Health, Behavior, and Reproduction Factors in Space

CAPE CANAVERAL, FL, UNITED STATES, September 23, 2025 /

EINPresswire.com/ -- The Advanced SpaceLife Research Institute (ASRI) today announced the official launch of its multi-decade institutional research initiative to study and address significant challenges surrounding human sexual health, behavior, and reproduction in space.



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ASRI was designed to ensure that humanity's future in space is not just about reaching new worlds beyond Earth, but about living, thriving, and creating new generations once we arrive there.”

*Dr. Alexander Layendecker,
ASRI Director*

Officially founded in 2023, ASRI is a 501c3 nonprofit scientific research organization headquartered in Cape Canaveral, Florida, and is the world's first academic institution dedicated to the comprehensive research, study, and analysis of the full spectrum of human sexuality and biological reproduction factors in off-Earth environments, across all applicable disciplines.

ASRI's immediate institutional objectives include closing critical knowledge gaps on issues that could directly impact the reproductive health and safety of the upcoming spaceflight “passenger” population projected to materialize within the next decade. As mass market access to Low

Earth Orbit and cislunar space become a reality – amidst dramatically falling launch costs catalyzed by commercial space companies like SpaceX and Blue Origin – a significant increase in commercial spaceflight passengers is expected to begin traveling into orbit in the near future.

The Institute's longer-term strategic objectives include the determination and establishment of clear parameters for safe and viable sexual reproduction in microgravity environments, enabling multigenerational sustainment of truly independent, permanent human settlements elsewhere

in our solar system and beyond. Additionally, ASRI hopes that lessons learned from its research initiatives in space can eventually be applied to optimize and improve reproductive fertility and sexual health and wellness on Earth.

Later this year, ASRI will begin execution of the first experiments outlined in its 30-year institutional research blueprint, the "Sexual Health and Reproductive Planning (SHARP) Mission Roadmap for Multigenerational Human Space Settlement", which incorporates over 200 planned scientific experiments investigating the biological, psychological and social dimensions of sex and reproduction in space. Already having undergone several years of initial development, this comprehensive research plan will continue to grow and evolve as new knowledge and data is gained throughout its implementation in the coming decades. A general overview of the [SHARP Mission Roadmap](#), and its various planned mission series, is available to the public on ASRI's official [website](#).

ASRI's team is composed of scientists, medical researchers, clinicians, space industry professionals, science communicators and commercial astronauts – many of whom bring previous scientific research and/or operational experience from former careers at government space agencies such as NASA, and private commercial space companies such as SpaceX and Blue Origin. Its research pool includes some of the world's foremost academic authorities in the application of human sexual health factors and reproductive biology considerations to space.

Beyond their highly specific niche within space life sciences research, ASRI is meant to provide a platform for public communication and advocacy of the science, as well as a network hub for individual scientists and organizations contributing to global research efforts. The Institute intends to use its findings to inform ethics, policy and legal developments undertaken by governments, as well as the development and implementation of protocols by commercial space companies that will ensure the highest chances of mission success.

ASRI welcomes [collaboration](#) from researchers, industry leaders, policymakers, universities and institutions, space agencies, and the wider public who share in the commitment to humanity becoming a multiplanetary species and optimizing human health in space and on Earth. The Institute will seek to provide support to other institutions and research projects that align with its organizational objectives to develop viable solutions for all of humanity.

"ASRI was designed to ensure that humanity's future in space is not just about reaching new worlds beyond Earth, but about living, thriving, and creating new generations once we arrive there," said Dr. Alexander Layendecker, ASRI's founder and current Director. "We hope our organization acts as a catalyst for broader global efforts toward advances in this research, which to this point in history has remained woefully under-addressed. Our lines of communication are open to collaboration with scientists, institutions, and potential partners around the world who share in our determination that humankind will one day become truly and permanently multiplanetary. As the first comprehensive research plan of its kind in this field, we hope that SHARP's implementation will drive strong initial momentum toward critical breakthroughs, and

remain a global gold standard for researchers going forward.”

ASRI Communications Team

Advanced SpaceLife Research Institute

+1 719-338-7580

[email us here](#)

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