

Astrobiologist

Explores where life comes from, how it changes, where it exists, and what it might be like in the future. Astrobiologists can be from many different academic backgrounds and have a lot of career options!

Dante Lauretta, Professor of Planetary Science and Cosmochemistry at UArizona. He is the leader of NASA's OSIRIS-REx Asteroid Sample Return mission.



Astronomer

Studies planets, stars, and space objects. They use tools on Earth, like big telescopes, and tools that live in space, like the James Webb Telescope.

*Aomawa Shields
Associate Professor, Physics
& Astronomy, University of
California-Irvine*



Planetary Scientist

Studies planets, moons, and space rocks like asteroids in our solar system and beyond. They look at data from space missions to learn about the land, air, and chances of life on faraway planets.

Daniella DellaGuistina, Principal investigator for OSIRIS-APEX Mission to asteroid Apophis, Deputy Principal Investigator of OSIRIS-REx Asteroid Sample Return Mission, and assistant professor at the UArizona Lunar and Planetary Laboratory



Cosmochemist

They explore what objects in space are made of and how they got that way. Cosmochemists study space samples, like pieces from the asteroid Bennu, and do experiments in labs to learn more.

*Jessica Barnes, Assistant
Professor, UArizona, Sample
Analysis Team OSIRIS-REx*



Deep Space Network Scheduler

Plans and keeps track of schedules for projects and missions. This means organizing when telescopes, labs, and other important tools are used for big space projects.

*Nataly Brandt, Deep Space Network Scheduler;
Organization: Jet Propulsion Laboratory. Joined
OSIRIS-REx: June of 2019*



Image Processing Engineer

They work with pictures from space missions or telescopes. They study, change, and explain the details in these pictures to help scientists learn about space and discover new things in the universe.

*Carina Bennett, Image
Processing Engineer,
University of Arizona,
OSIRIS-REx*



Social Media Specialist

Creates, plans, and shares social media posts, projects, and events that tell exciting stories about a space mission so everyone can understand its goals.

*Leah Cheshier
NASA's Johnson Space
Center, Social media manager
for OSIRIS-REx mission*



Navigation Manager

Plans and figures out where spacecraft should go to stay on track. They also make computer programs to control the spaceships and check if the missions work as planned.

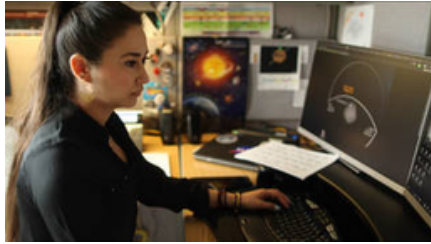
*Coralee Adam, Optical Navigation
Lead & TAG Navigation Manager for
OSIRIS-REx*



Operations Manager

Handles everything needed to send commands to the spacecraft and get data back. This includes communicating with the team and sharing information.

Nayi Castro, Mission Operations Manager, OSIRIS-Rex Mission



Research Technologist

Works on many special tasks to help create, plan, and run science and research experiments in a lab.

Ruby Fulford, University of Arizona Research Technologist, OSIRIS-REx



Graphic Designer

They share important progress and help people understand a space mission using artwork and pictures, like charts that explain the science or creative paintings of space objects.

Heather Roper, graphic designer for the OSIRIS-REx mission



Astromaterials Specialist

Studies rocks, minerals, and space samples to learn what they are made of and their history. They also take care of and safely store samples from space missions like OSIRIS-REx and the Bennu sample.

Christopher Snead, research scientist and microscale astromaterials specialist working at NASA Johnson Space Center in preparation for the the OSIRIS-REx. return sample.



Public Affairs Officer

Plans and runs projects to share information about space missions with the public, newspapers, employees, and important groups using different ways to communicate.

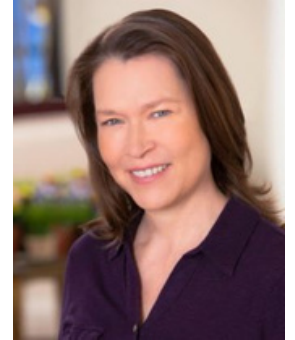
*Nancy Neal Jones,
Public Affairs Lead for OSIRIS-REx,
NASA's Goddard Space Flight
Center*



Business Manager

Handles office work, hiring and helping employees, and managing money and budgets.

*Denise Blum,
Business Manager for OSIRIS-REx,
University of Arizona*



Cultural Astronomer

Studies and writes down the stories and traditions that different cultures believe and create about the stars, planets, and how the universe began.

*Jarita Holbrook, astronomer and
professor of physics at the University of
the Western Cape. Examines the
relationship between humans and the
night sky.*



Flight Software Engineer

Designs, builds, and takes care of the computer programs that control the spacecrafts and help them complete their missions.

*Tyler Albaugh, flight software
engineer, OSIRIS-REx,
Lockheed Martin Space Corp.*



Science Writer

Writes and edits science articles and news for magazines, websites, and other places. They learn about science topics and explain them in a way that is easy for everyone to understand.

Daniel Stolte, UArizona, senior science writer. Writes engaging stories that showcase the impact of UArizona science research.



Strategic Partnership Manager

Creates teamwork with people that are not a part of space science to get more people, especially students and young people, excited and involved in space.

Anita Dey, Strategic Partnership manager, Outreach and Engagement, co-chair of the Asian American Native Hawaiian Pacific Islander Employee Resource Group at NASA.



Photographer

Takes pictures of important moments in a space mission to share with everyone. These moments could be of public events like important talks or spacecraft launches.

Aubrey Gemignani, Photo Archivist/Photographer, NASA Headquarters.



Art Director

Designs very realistic space drawings and paintings of planets and asteroids that might be too far away to take pictures of, like planets orbiting a faraway star.

Jenny Mottar, Art Director for NASA Science, NASA Headquarters.



Aerospace Engineer

An aerospace engineer creates and improves airplanes, spacecraft, and satellites. They test how these machines work, solve technical problems, and help invent new technology for space travel and faster engines.

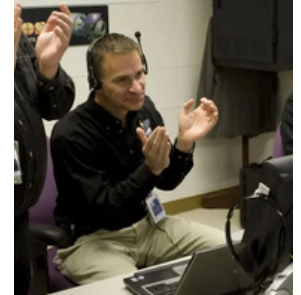
Alvin Harvey, post-doctoral researcher in the Space Enabled Lab at the MIT Media Lab. His lab works to apply space technology to support the Sustainable Development Goals through complex systems, satellite engineering, and data science.



Computer Scientist

Creates, writes, and uses computer programs that help with space missions – both on the spacecraft and at the mission control headquarters on Earth.

John Bresina, NASA, computer scientist. Works primarily in Artificial Intelligence research and how to apply new AI technology to space missions.



Data Archivist

Makes sure that data and information from space missions is safely kept and organized so scientists in the future can use it to learn new things.

Kate Crombie, project data archivist for OSIRIS-REx, owner of Indigo Information Services LLC. She has provided data archive services for NASA spacecraft missions to many planetary bodies within the solar system.



STEM Education Specialist

Helps teachers and students learn about science, technology, engineering, and math in a way that respects different cultures and makes learning better for everyone.

Monica Uribe, serves as the NASA Education Specialist for both Ames Research Center and Armstrong Flight Center.



Space Lawyer

Space law deals with legal rules for exploring space. It helps make sure space missions are safe, protect the space environment, and follow fair rules for businesses and countries. Space lawyers make sure people use space responsibly.

Michelle Hanlon, Executive Director for the Center of Air and Space Law at the University of Mississippi



Space Medicine

Space medicine can include space doctors, space nurses, and more. Astronauts can get hurt and space doctors are sent on the mission to help in case of an emergency. This is a growing and important career option!

Dr. Kjell Lindgren, NASA deputy crew surgeon. Trained in both emergency and aerospace medicine and has spent a total of 311 days in space.



Microbiologist

A microbiologist is a scientist who studies tiny living things like bacteria and viruses. In space science, they help look for signs of life on other planets and study how microbes survive in space. Their work helps us understand if life could exist somewhere besides Earth!

Dr. Solange Duhamel, associate professor at University of Arizona, aquatic microbiologist and biogeochemist



Evolutionary Biologist

An evolutionary biologist is a scientist who studies how living things change over time. In space science, they help us understand how life might have started on Earth and how it could change or survive on other planets.

Dr. Jorge Mandussi Montiel Molina, postdoctoral researcher at University of Arizona, evolutionary ecologist and environmental microbiologist



Astrobiologist

Explores where life comes from, how it changes, where it exists, and what it might be like in the future. Astrobiologists can be from many different academic backgrounds and have a lot of career options!

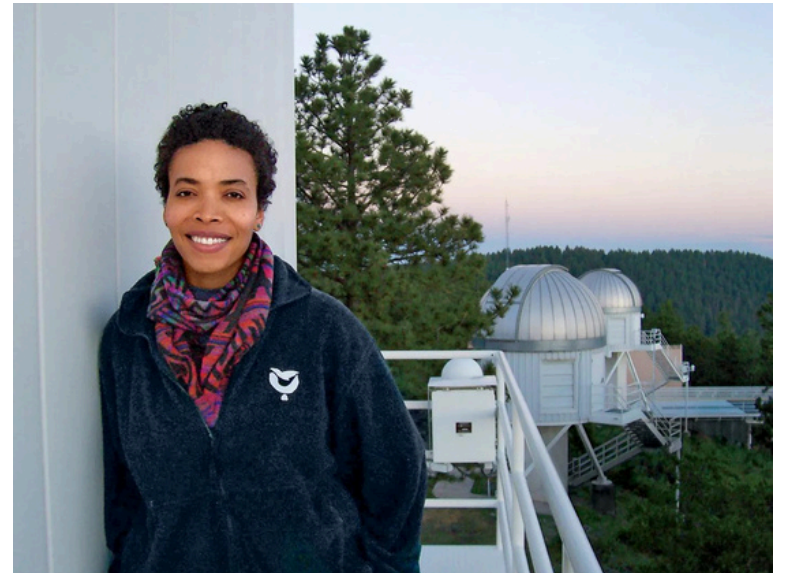
Dante Lauretta, Professor of Planetary Science and Cosmochemistry at UArizona. He is the leader of NASA's OSIRIS-REx Asteroid Sample Return mission.



Astronomer

Studies planets, stars, and space objects. They use tools on Earth, like big telescopes, and tools that live in space, like the James Webb Telescope.

Aomawa Shields
Associate Professor, Physics
& Astronomy, University of
California-Irvine



Planetary Scientist

Studies planets, moons, and space rocks like asteroids in our solar system and beyond. They look at data from space missions to learn about the land, air, and chances of life on faraway planets.

Daniella DellaGuistina, Principal investigator for OSIRIS-APEX Mission to asteroid Apophis, Deputy Principal Investigator of OSIRIS-REx Asteroid Sample Return Mission, and assistant professor at the UArizona Lunar and Planetary Laboratory



Cosmochemist

They explore what objects in space are made of and how they got that way.

Scientists study space samples, like pieces from the asteroid Bennu, and do experiments in labs to learn more.

*Jessica Barnes, Assistant
Professor, UArizona, Sample
Analysis Team OSIRIS-REx*



Deep Space Network Scheduler

Plans and keeps track of schedules for projects and missions. This means organizing when telescopes, labs, and other important tools are used for big space projects.

*Nataly Brandt, Deep Space Network Scheduler;
Organization: Jet Propulsion Laboratory. Joined
OSIRIS-REx: June of 2019*



Image Processing Engineer

They work with pictures from space missions or telescopes. They study, change, and explain the details in these pictures to help scientists learn about space and discover new things in the universe.

*Carina Bennett, Image
Processing Engineer,
University of Arizona,
OSIRIS-REx*



Social Media Specialist

Creates, plans, and shares social media posts, projects, and events that tell exciting stories about a space mission so everyone can understand its goals.

*Leah Cheshier
NASA's Johnson Space
Center, Social media manager
for OSIRIS-REx mission*



Navigation Manager

Plans and figures out where spacecraft should go to stay on track. They also make computer programs to control the spaceships and check if the missions work as planned.

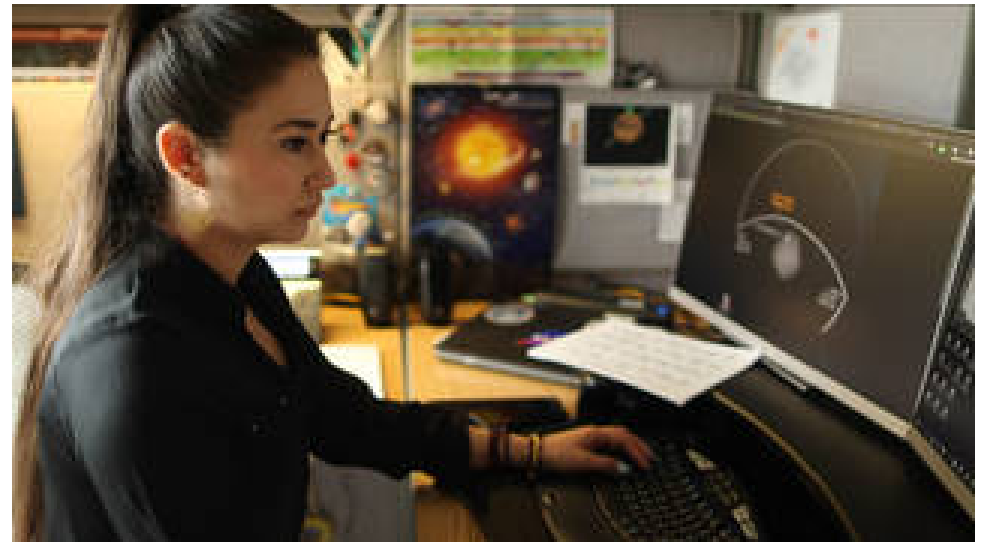
*Coralee Adam, Optical Navigation
Lead & TAG Navigation Manager for
OSIRIS-REx*



Operations Manager

Handles everything needed to send commands to the spacecraft and get data back. This includes communicating with the team and sharing information.

*Nayi Castro, Mission
Operations Manager,
OSIRIS-Rex Mission*



Research Technologist

Works on many special tasks to help create, plan, and run science and research experiments in a lab.

Ruby Fulford, University of Arizona Research Technologist, OSIRIS-REx



Graphic Designer

They share important progress and help people understand a space mission using artwork and pictures, like charts that explain the science or creative paintings of space objects.

*Heather Roper, graphic designer
for the OSIRIS-REx mission*



Astromaterials Specialist

Studies rocks, minerals, and space samples to learn what they are made of and their history. They also take care of and safely store samples from space missions like OSIRIS-REx and the Bennu sample.

Christopher Snead, research scientist and microscale astromaterials specialist working at NASA Johnson Space Center in preparation for the the OSIRIS-REx. return sample.



Public Affairs Officer

Plans and runs projects to share information about space missions with the public, newspapers, employees, and important groups using different ways to communicate.

*Nancy Neal Jones,
Public Affairs Lead for OSIRIS-REx,
NASA's Goddard Space Flight
Center*



Business Manager

Handles office work, hiring and helping employees, and managing money and budgets.

*Denise Blum,
Business Manager for OSIRIS-
REx, University of Arizona*



Cultural Astronomer

Studies and writes down the stories and traditions that different cultures believe and create about the stars, planets, and how the universe began.

Jarita Holbrook, astronomer and professor of physics at the University of the Western Cape. Examines the relationship between humans and the night sky.



Flight Software Engineer

Designs, builds, and takes care of the computer programs that control the spacecrafts and help them complete their missions.

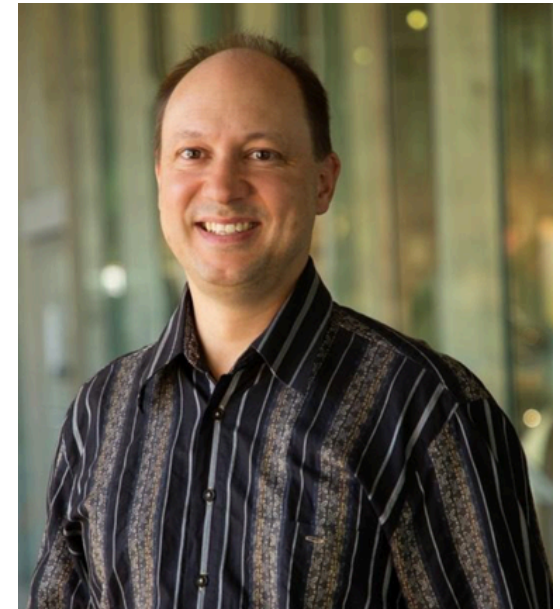
Tyler Albaugh, flight software engineer, OSIRIS-REx, Lockheed Martin Space Corp.



Science Writer

Writes and edits science articles and news for magazines, websites, and other places. They learn about science topics and explain them in a way that is easy for everyone to understand.

Daniel Stolte, UArizona, senior science writer. Writes engaging stories that showcase the impact of UArizona science research.



Strategic Partnership Manager

Creates teamwork with people that are not a part of space science to get more people, especially students and young people, excited and involved in space.

Anita Dey, Strategic Partnership manager, Outreach and Engagement, co-chair of the Asian American Native Hawaiian Pacific Islander Employee Resource Group at NASA.



Photographer

Takes pictures of important moments in a space mission to share with everyone. These moments could be of public events like important talks or spacecraft launches.

*Aubrey Gemignani, Photo
Archivist/Photographer, NASA
Headquarters.*



Diversity and Inclusion Specialist

Helps create a welcoming and fair environment in a space mission by making plans and teaching employees ways to make everyone feel included.

Teresita Smith, Diversity and Inclusion Specialist, NASA Goddard Space Flight Center



Art Director

Designs very realistic space drawings and paintings of planets and asteroids that might be too far away to take pictures of, like planets orbiting a faraway star.

*Jenny Mottar, Art Director for
NASA Science, NASA Headquarters.*



Computer Scientist

Creates, writes, and uses computer programs that help with space missions – both on the spacecraft and at the mission control headquarters on Earth.

John Bresina, NASA, computer scientist. Works primarily in Artificial Intelligence research and how to apply new AI technology to space missions.



Data Archivist

Makes sure that data and information from space missions is safely kept and organized so scientists in the future can use it to learn new things.

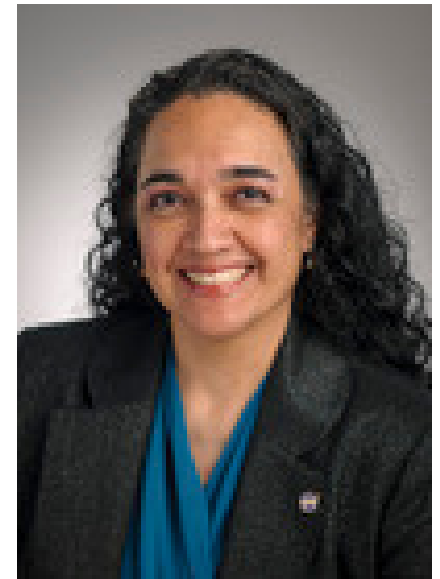
Kate Crombie, project data archivist for OSIRIS-REx, owner of Indigo Information Services LLC. She has provided data archive services for NASA spacecraft missions to many planetary bodies within the solar system.



STEM Education Specialist

Helps teachers and students learn about science, technology, engineering, and math in a way that respects different cultures and makes learning better for everyone.

Monica Uribe, serves as the NASA Education Specialist for both Ames Research Center and Armstrong Flight Center.



Space Lawyer

Space law deals with legal rules for exploring space. It helps make sure space missions are safe, protect the space environment, and follow fair rules for businesses and countries. Space lawyers make sure people use space responsibly.

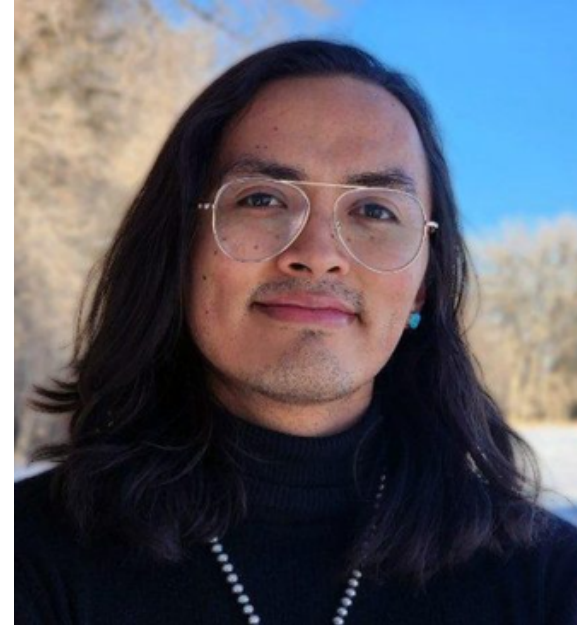
*Michelle Hanlon, Executive Director for the
Center of Air and Space Law at the University
of Mississippi*



Aerospace Engineer

An aerospace engineer creates and improves airplanes, spacecraft, and satellites. They test how these machines work, solve technical problems, and help invent new technology for space travel and faster engines.

Alvin Harvey, post-doctoral researcher in the Space Enabled Lab at the MIT Media Lab. His lab works to apply space technology to support the Sustainable Development Goals through complex systems, satellite engineering, and data science.



Space Medicine

Space medicine can include space doctors, space nurses, and more. Astronauts can get hurt and space doctors are sent on the mission to help in case of an emergency. This is a growing and important career option!

Dr. Kjell Lindgren, NASA deputy crew surgeon. Trained in both emergency and aerospace medicine and has spent a total of 311 days in space.



Microbiologist

A microbiologist is a scientist who studies tiny living things like bacteria and viruses. In space science, they help look for signs of life on other planets and study how microbes survive in space. Their work helps us understand if life could exist somewhere besides Earth!

Dr. Solange Duhamel, associate professor at University of Arizona, aquatic microbiologist and biogeochemist



Evolutionary Biologist

An evolutionary biologist is a scientist who studies how living things change over time. In space science, they help us understand how life might have started on Earth and how it could change or survive on other planets.

*Dr. Jorge Mandussi Montiel Molina,
postdoctoral researcher at University of
Arizona, evolutionary ecologist and
environmental microbiologist*

