ABC COMMERCIAL

From the moment we became conscious as a species, we have peered up into the night sky and pondered our place amongst a vast and starry universe.

THE TIME TRAVELLER'S GUIDE TO THE GALAXY

Across six episodes, this intriguing series explores our deep fascination with the galaxy and takes us to the cutting edge of space science.

EPISODES

Episode 1

We're Going to Need A Bigger Rocket

Science fiction becomes reality as the world's most innovative engineers experiment with nuclear engines, fusion and antimatter drives in the hopes of rocketing us beyond the confines of our solar system.

Episode 2

Space Real Estate: The Perfect Planet

Earth is one of a billion trillion worlds floating through the cosmos. A new generation of pioneers and explorers are now looking to the stars in the hopes of finding the prime piece of cosmic real estate; that perfect second Earth.

Episode 3

Space Exploration: Just Add Humans

Humans weren't born to survive in space, but our passion for exploration has bred adaptability and innovation like never before. What does the future hold for crewed space flight?

Episode 4

Is There Life Out There?

Are we alone in the universe? The search for our cosmic neighbours has only just begun. Whatever form that may take!

Episode 5

Talking to ET

It's the dream of every sci-fi film, but the reality is far from fiction. Will we ever find intelligent aliens, and if we did, how will we communicate with them?

Episode 6

Our Place in the Cosmos

Earth is a single grain of sand amongst all the beaches of the world. So what can our place in the cosmos tell us about life in the universe? And if another civilisation ever looked towards us, what might they see?

4K + HD 6 × 60'
EQ Media Group

MEET THE PASSIONATE EXPERTS

Alan Duffy

Narrating the series, Professor Duffy also creates baby universes on supercomputers to explore how galaxies like our Milky Way form within vast clouds of dark matter. Alan is also Project Lead of SpaceTech Applications at Swinburne's Data Science Research Institute, finding ways for astronomy/space to aid business and society on Earth.

Gentry Lee

Gentry is an American scientist and Chief Engineer for the Planetary Flight Systems Directorate at the NASA Jet Propulsion Laboratory. As an engineer, Gentry had oversight on the twin Rover missions to Mars in 2004 and served as Director of Science Analysis and Mission Planning on the Mars Viking projects.

Steve Squyres

Steve has been a professor of Physical Sciences at Cornell University and served as the Principal Investigator of the Mars exploration Rover Mission Spirit and Opportunity. He now acts as Chief Scientist for Jeff Bezos' aerospace company Blue Origin.

Sara Seager

Sara is a Professor of Planetary Science, Professor of Physics and Professor of Aeronautics and Astronautics at MIT. Her research focuses on the future search for signs of life in atmospheric gases of exoplanets. Sara served as the Deputy Science Director of the NASA mission TESS, a catalogue of nearby exoplanets.

Natalie Batalha

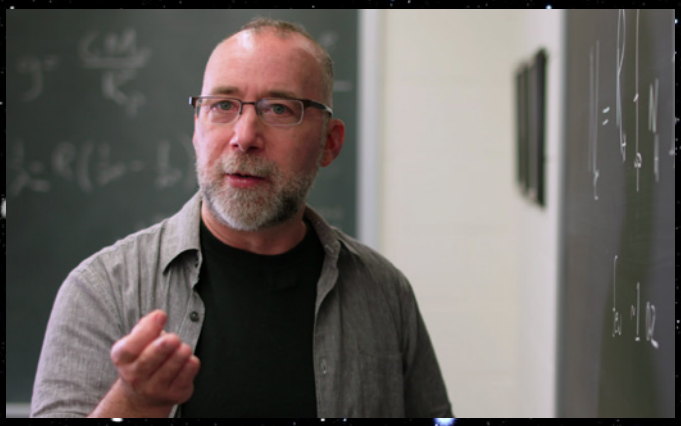
Natalie is professor of Astronomy and Astrophysics at UC Santa Cruz. Previously a research astronomer in the Space Sciences Division of NASA Ames Research Centre, she acted as Co-Investigator and Kepler Mission Scientist on the Kepler Mission, the first mission capable of finding earth-size planets around other stars.

David Charbonneau

A Professor of Astronomy at both Harvard University and the Harvard[1]Smithsonian Centre for Astrophysics, David's research focuses on the detection and characterisation of planets orbiting other stars. David was the first person to detect an exoplanet using the transit method of detection now utilised widely by planet-hunting teams.

Adam Frank

Astrophysicist and science communicator Adam Frank is a leading expert on the final stages of evolution for stars like the sun, and has developed supercomputer tools for studying how stars form and how they die. He is currently working on the studies of exoplanet atmospheres and astrobiology.



Peter Ward

Peter Ward is a palaeontologist and professor at the University of Washington, Seattle. Ward specializes in mass extinction events and has published several books on biodiversity, the fossil record and how extinction events factor into zoology and astronomy.

Cady Coleman

Dr Cady Coleman is a chemist, former United States Air Force Colonel, and retired NASA astronaut. She is a veteran of two space shuttle missions and logged a total of 159 days in space.

Michael Fossum

Col. Michael Fossum is a former NASA astronaut and United States Air Force Colonel. He holds a degree in mechanical engineering and served as mission specialist aboard the ISS for two expeditions. Logging almost 200 hours in space, Mike now serves as Chief Operating Officer for Texas A&M University.

David Kipping

David is an Assistant Professor of Astronomy at Columbia University, where his research focuses on extrasolar planets and moons. He is also the administrator and host of a YouTube channel, titled Cool World's, where he communicates the latest findings of his studies into exoplanets, their atmospheres, and much more.

Matt O'Dowd

Matt is an astrophysicist, professor and science communicator. During the day he studies extragalactic astrophysics like black holes and quasars at the City University of New York and Lehman College, while moonlighting in the evenings as the writer and host of YouTube channel PBS Space Time.

Ryan Weed

As founder and CEO of Positron Dynamics, physicist Ryan Weed is working to study and develop the world's first antimatter rocket. He is also a United States Air Force Test Pilot and a physicist for Jeff Bezos' Aeronautical company Blue Origin.

Chris McKay

Chris is a planetary scientist at NASA Ames Research Centre. Majoring in physics at Florida Atlantic University, he also has a degree in mechanical engineering and a PhD in astro-geophysics. His work focuses on the search for life through planetary atmospheres and astrobiology.

Avi Loeb

Abraham "Avi" Loeb is a theoretical physicist working in the fields of astrophysics and cosmology. He serves as Chair of both the Harvard Astronomy Department and the Advisory Committee for the Breakthrough Starshot Project.

Omar Hatamleh

Omar has served as Executive Director of the Space Studies Program at the International Space University. With four engineering degrees and twenty years of aerospace industry experience, he now works at NASA as their Technological Integrations Manager.

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