Orion's Quest
Authentic Research For Today's Youth

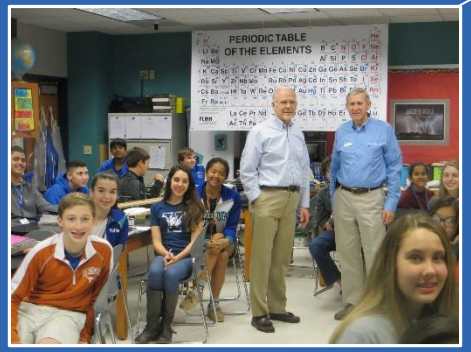
Orion's Quest
THE PROGRAM
ABOUT OQ
ENROLLMENT
BLOG & PRESS
LOGIN
TEACHER LOGIN
www.orionsquest.org
Orion's Quest™
To challenge America's students to excel in math and science through their active participation in space–based research.
Start your classroom on an educational journey to reach the "Next Generation of Explorers".

NASA

BioServe Space Technologies

Orion's Quest
Authentic Research For Today's Youth

Michigan Aerospace
Our World and Beyond™



NASA

Michigan
Space Grant
Consortium

NHHPC
collaborate · innovate · educate

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CASIS
Center for the Advancement of
SCIENCE IN SPACE

BioServe
SPACE TECHNOLOGIES

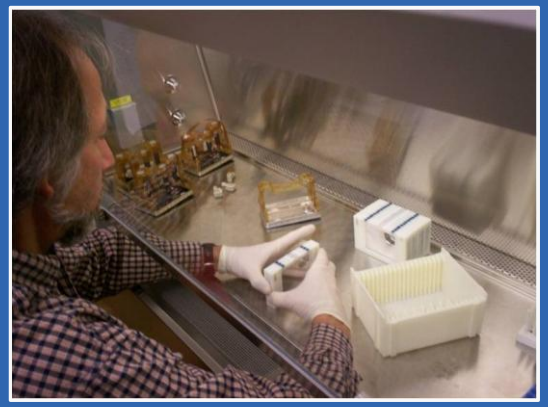
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE
NSBRI

OQ Research Partners

Dr. Cassie Conley
Worms in Space
NASA Ames

Dr. Julyan Cartwright
Silicate Garden
U of Granada

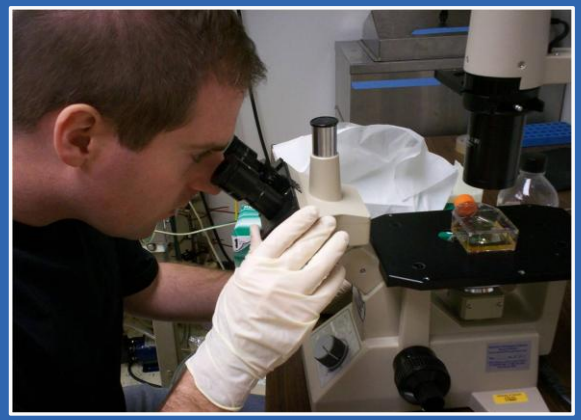
Dr. Cheryl Nickerson
Managing Microbes
Biodesign Institute ASU



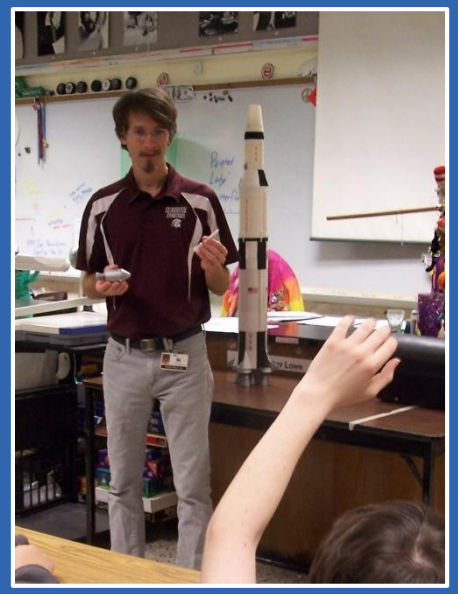
Dr. Louis Stodieck
Spiders in Space
U of Colorado

Dr. Oana Marcu
Fruit Flies in Space
NASA Ames

Dr. Sharmila Battacherya
Fruit Flies in Space
NASA Ames



Dr. Nate Szewczyk
C. Elegans
U of Pittsburgh

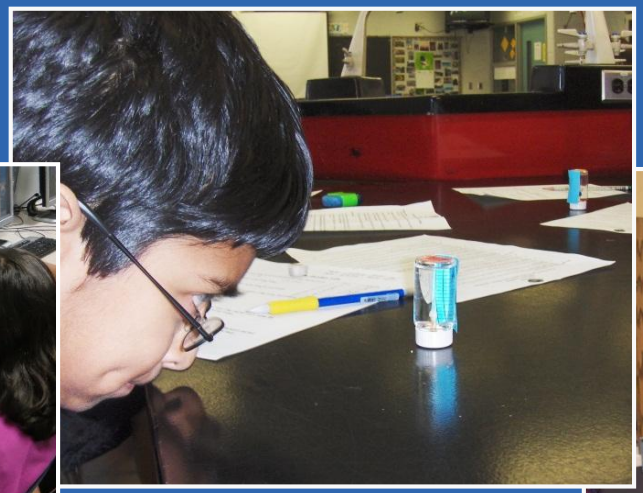


Student Researchers

Public - Private - Charter - Parochial

Classroom - After School - Club Activity
Independent Study - Extra Credit

Elementary School



Middle School

High School

Downlink to Classroom

Research to ISS

Student Data to Scientist

Destination: Space Station

MICHIGAN AEROSPACE
OUR WORLD AND BEYOND™

Join the mission!

Michigan Aerospace Corp. (www.MichAero.com) contributed to a special NASA Goddard mission which is headed to the Space Station this December aboard a SpaceX Falcon 9 rocket. The Cloud-Aerosol Transport System (CATS) will provide atmospheric data to help us model and predict climate change.

Follow the launch and instrument deployment *live* … and prepare to be part of the data analysis team.

Contact Orion's Quest (OrionsQuest.org)

Managing Microbes In Space

Dr. Cheryl Nickerson - Center for Infectious Diseases and Vaccinology
Biodesign Institute at Arizona State University

Study of the infection of a host organism with a pathogen in microgravity

- My students got the sense that they were doing something significant-something that mattered to professional scientists. I think this motivated them to do an extra careful job.

  Jon Mayer, South Lyon High School

- “The motivation level in our classroom was very high and I attribute it to participation in real world science.”

  Betty Hickey, Cocoa High School

- “Even my hard to reach students showed enthusiasm for learning something that they recognized as significant and lasting.”

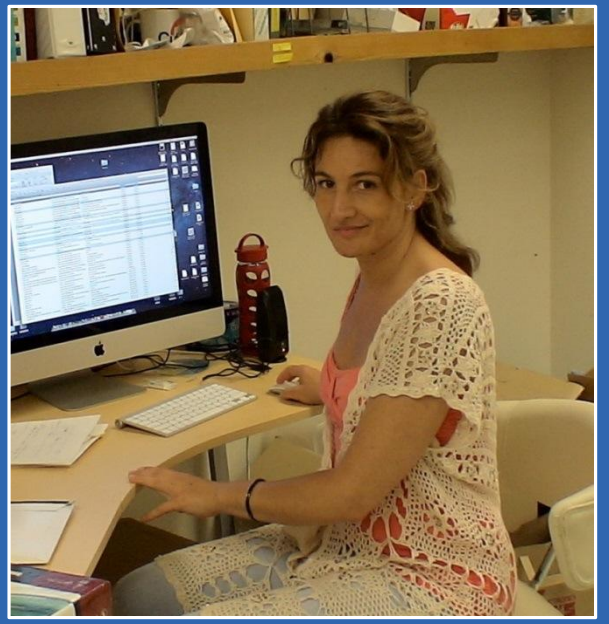
  Terri McCormick, Smith Middle School

Dr. Oana Marcu

SETI Institute NASA Ames Research Center

“I don't know how this is best said, other than that I suspect what Orion’s Quest does has a tremendous long-term impact. Not just on the students, but on us (scientists) as well. It makes our work more meaningful. While others talk about "real science", we sometimes feel remote from the "real world". You help us integrate into that world.

Thank you.



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