

Co-Investigators

The investigations being conducted on the Second United States Microgravity Laboratory bring together Government, academia, and private industry along with teams of scientists, engineers, technicians, and support staffs whose cooperative efforts make possible the mission and its experiments. These people are an integral part of all space-based research and help ensure the success of the mission, the success of each experiment, and the widest possible distribution of these results.

Astroculture™

Co-Investigator	Affiliation
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Commercial Generic Bioprocessing Apparatus Experiment

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Orbital Processing of High-Quality Cadmium Zinc Telluride (CdZnTe) Compound Semiconductors

D. Gillies	NASA/MSFC
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The Study of Dopant Segregation Behavior During the Crystal Growth of GaAs (Gallium Arsenide) in Microgravity

D. Carlson	M/A Comm
J. Kafalas	Viable Systems
M. Kaforey	Case Western Reserve University

Crystal Growth of Selected II-VI Semiconducting Alloys by Directional Solidification

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Drop Dynamics Experiment

C. P. Lee	Vanderbilt University
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Science and Technology of Surface-Controlled Phenomena

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Geophysical Fluid Flow Cell Experiment

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Interface Configuration Experiment

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Oscillatory Thermocapillary Flow Experiment

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Fiber Supported Droplet Combustion

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Protein Crystal Growth-Glovebox

See Commercial Protein Crystal Growth

Colloidal Disorder-Order Transitions

W. Russel	Princeton University
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Lower Body Negative Pressure

J. T. Brown	NASA/JSC
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Space Acceleration Measurement System

R. Sicker	NASA/LeRC
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Orbital Acceleration Research Experiment

J. L. Christian, Jr.	NASA/LeRC
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Commercial Protein Crystal Growth

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Surface Tension Driven Convection Experiment

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Zeolite Crystal Growth

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R. Thompson	Worcester Polytechnic Institute

Hardware Developers

Mission Management

Advanced Protein Crystallization Facility	
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Astroculture™	
R. Morrow	Wisconsin Center for Space Automation and Robotics
Commercial Generic Bioprocessing Apparatus	
L. Stodieck	Bioserve Space Technologies
Crystal Growth Furnace	
D. Schaefer	NASA/MSFC
Drop Physics Module	
D. Gallagher	NASA/JPL
Geophysical Fluid Flow Cell	
G. Hall	NASA/MSFC
Glovebox	
R. Ruff	NASA/MSFC
Lower Body Negative Pressure Apparatus	
T. Brown	NASA/JSC
Spacelab Acceleration Measurement System	
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Orbital Acceleration Research Experiment	
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Three Dimensional Microgravity Accelerometer	
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Single-Locker Protein Crystal Growth Apparatus	
B. Herren	NASA/MSFC
Commercial Protein Crystal Growth Apparatus	
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Surface Tension Driven Convection Experiment Apparatus	
T. Jacobson	NASA/LeRC
Zeolite Crystal Growth Facility	
L. McCauley	Battelle Advanced Materials Center for the Commercial Development of Space

Coordinating the activities of the investigators, hardware developers, hardware integrations teams, and operations teams that make up the Second United States Microgravity Laboratory is a complex task. The NASA mission management team performs these duties and others necessary to provide an opportunity for a scientifically successful mission.

Program Manager	Mr. Jim McGuire	NASA Headquarters
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Assistant Mission Manager	Mr. K. Stuart Clifton	NASA Marshall Space Flight Center
Mission Scientist	Dr. Marcus Vlasse	NASA Marshall Space Flight Center
Assistant Mission Scientist	Dr. Edwin C. Ethridge	NASA Marshall Space Flight Center
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