

# Gravitational and Space Research

## Editorial Board

### Editor in Chief:

**Anna-Lisa Paul, Ph.D.**

University of Florida  
E-Mail: alp@ufl.edu

**Expertise:** Plant molecular genetics, gene expression, plant space biology

### Copy Editor:

**Karen Goodman**

Oakman Aerospace, Inc  
E-Mail: karen.goodman@oak-aero.com

**Expertise:** Project management and system development

### Copy Editor:

**Janet V. Powers**

NASA Research & Education Support Services  
E-Mail: jpowers@nasaprs.com

**Expertise:** Gravitation & space biology, informatics

### Publishing Editor:

**Timothy J. Mulkey, Ph.D.**

Indiana State University  
E-Mail: Timothy.Mulkey@indstate.edu

**Expertise:** Plant growth, development, hormones, calcium

## Associate Editors:

**R. Michael Banish, Ph.D.**

University of Alabama – Huntsville  
E-Mail: banishm@uah.edu

**Expertise:** Chemical and materials engineering

**Elison B. Blancaflor, Ph.D.**

The Samuel Roberts Noble Foundation  
E-Mail: eblancaflor@noble.org

**Expertise:** Cellular & molecular mechanisms; cytoskeleton; ion signaling

**Luis Angel Cubano, Ph.D.**

Uni. Central del Caribe  
E-Mail: lacoadrags@gmail.com

**Expertise:** Cell biology, cytoskeleton, gene expression

**John Z. Kiss, Ph.D.**

University of Mississippi  
E-Mail: jzkiss@olemiss.edu

**Expertise:** Plant gravitational biology, tropisms, growth and development

**William J. Landis, Ph.D.**

The University of Akron  
E-Mail: wlandis@uakron.edu

**Expertise:** Bone structure & biochemistry, cartilage & tendon biology

**Gloria K. Muday, Ph.D.**

Wake Forest Univ  
E-Mail: muday@wfu.edu

**Expertise:** Auxin transport, leptin signaling, hormone physiology, biochemistry, and molecular biology

**April E. Ronca, Ph.D.**

Wake Forest University School of Medicine  
E-Mail: aronca@wakehealth.edu

**Expertise:** Reproduction, development, micro- & hyper-gravity

**Paul W. Todd, Ph.D.**

Techshot, Inc.  
E-Mail: ptodd@techshot.com

**Expertise:** Low-gravity physics, flight hardware, biotechnology, cell biology, osteogenesis and microbiology.

**Ted A. Bateman, Ph.D.**

University of North Carolina - Chapel Hill  
E-Mail: bateman@unc.edu

**Expertise:** Radiation and bone loss

**Zhengdong Cheng, Ph.D.**

Texas A&M University  
E-Mail: zcheng@mail.che.tamu.edu

**Expertise:** Colloids; anisotropic particles, photonic crystals, solar energy harvesting, liquid crystals, nano-composites

**Emily M. Holton, Ph.D.**

Life Sciences - NASA Ames Research Center  
E-Mail: emholton@att.net

**Expertise:** Hindlimb unloading, calcium/bone metabolism

**Dennis F Kucik, M.D., Ph.D.**

University of Alabama at Birmingham  
E-Mail: kucik@uab.edu

**Expertise:** Cell adhesion and integrins, atherosclerosis & immunology

**Robert C. Morrow, Ph.D..**

Orbital Technologies Corp.  
E-Mail: morrowr@orbitec.com

**Expertise:** Space flight hardware; environmental control systems; environment plant growth; plant disorders

**Danny Riley, Ph.D.**

Medical College of Wisconsin  
E-Mail: dariley@mcw.edu

**Expertise:** Neuromuscular structure & function; spaceflight; vibration injury of tissue

**Michael Roberts, Ph.D.**

Center for the Advancement of Science in Space (CASIS)  
E-Mail: amrobers@iss-casis.org

**Expertise:** Reproduction, development, micro- & hyper-gravity

**Sarah Wyatt, Ph.D.**

Ohio University  
E-Mail: wyatts@ohio.edu

**Expertise:** Plant responses to gravity, genomics/gene expression and proteomics