

The Center has tremendous talent and capabilities that can provide benefits beyond its physical boundaries. While focusing on NASA's missions, we must be good citizens of the State of Ohio and provide benefits to the taxpayers. This can be accomplished through the formation of partnerships, use of our technology to spur new businesses and industries, and outreach efforts.

*Glenn Center Goal: "Become an integral part of the Ohio community and the Nation."*

*Woodrow Whitlow, Jr.  
Director, NASA Glenn Research Center*



### **NASA Glenn Research Center**

Robert (Joe) Shaw  
Business Development and Partnership Office

21000 Brookpark Road  
Cleveland, OH 44135

Phone: 216-977-7135  
Fax: 216-977-7133

E-mail: [robert.j.shaw@nasa.gov](mailto:robert.j.shaw@nasa.gov)

**Business Development and Partnership Office**

Visit us at

<http://newbusiness.grc.nasa.gov>

**Glenn Research Center Facilities**

Visit us at

<http://www.nasa.gov/centers/glenn/testfacilities>

B-1265  
Oct 07



## **Human Health**



**opportunities**

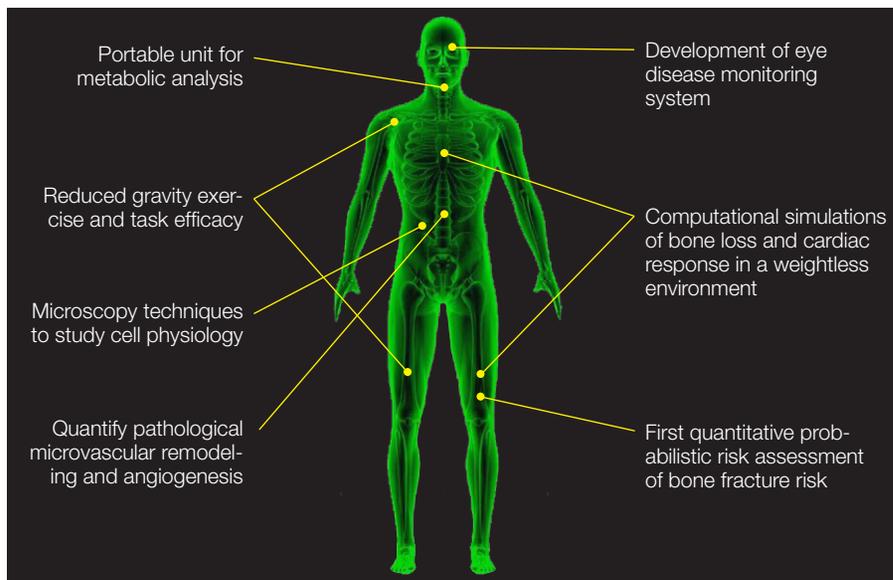
# Fulfilling NASA missions while guiding future business opportunities

## World-Class Competencies • Technologies • Facilities

NASA Glenn Research Center's world-class competencies, facilities, technologies, and staff support NASA's missions of Exploration, Space Operations, Aeronautics, and Science. The Business Development and Partnership Office will work with external organizations to discover opportunities to collaborate, leverage resources, and develop the necessary technologies and products for the future.

### Competencies

#### NASA Anatomy: How Space Technology Improves Human Health



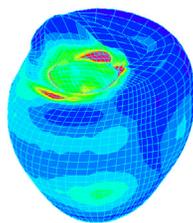
### Technologies: Competencies applied to human health solutions



Fluid physics/mechanics



Biomedical instrumentation



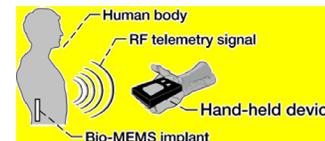
Biological modeling and probabilistic risk



Biomechanics

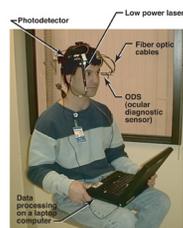


Biomaterial



Wireless communications

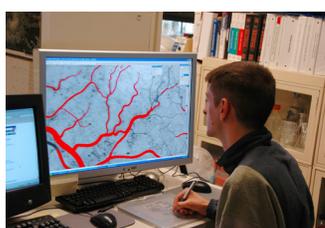
### Facilities/Test Hardware: Premier facilities available for collaboration



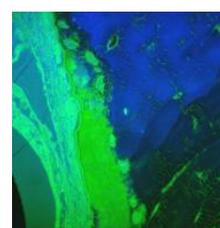
Vision diagnostic lab



Exercise countermeasures lab



Microvascularization and cell culture lab



Two-photon fluorescence microscopy



Bio-MEMS sensors: cleanroom fabrication