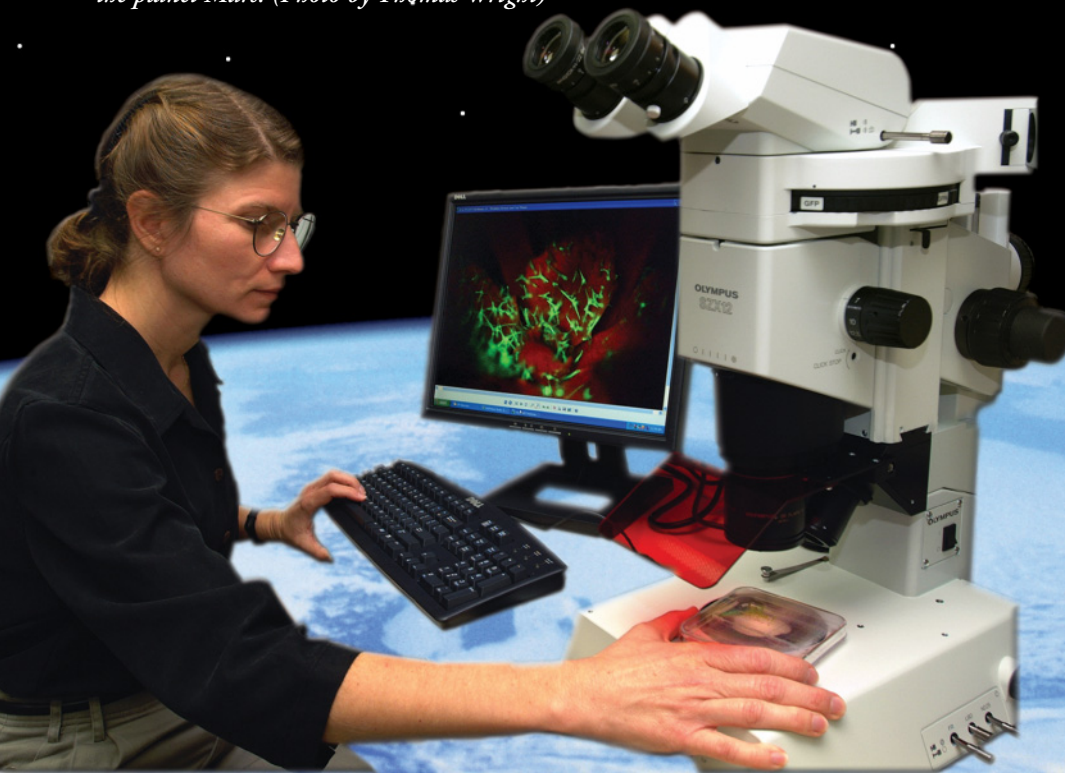


Shaping the Future!

A fluorescent dissecting microscope captures an image of an arabidopsis plant engineered to provide a visible response to environmental stress. In this case, as the plant is exposed to a low oxygen environment, induction of a reporter gene (Adb/GFP) is detected as a green glow in the leaf hairs. The reporter-gene technology is being used by Robert Ferl, professor of horticultural sciences, and Anna-Lisa Paul, photo below, assistant research scientist in horticultural sciences, to study the effects of spaceflight and other abiotic environments on plant metabolism. The technology will be useful on future manned missions to the planet Mars. (Photo by Thomas Wright)



All programs and related activities sponsored for, or assisted by, the Institute of Food and Agricultural Sciences are open to all persons regardless of race, color, age, sex, disability or national origin. Information from this publication is available in alternate formats. Contact IFAS Communication Services, University of Florida, PO Box 110810, Gainesville, FL 32611-0810.

ISSN #0748-23530