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Actin and nuclei staining of C2C12 myoblasts that underwent stimulation at increasing values of gravity force. Actin staining was performed on treated samples immediately fixed after the hypergravity exposure. The organization of actin microfilament network in treated and non-treated cells was evaluated by f-actin staining with FITC-phalloidin (green), while nuclei were counte stained with DAPI (blue). It has been demonstrated that hypergravity strongly affects the reorganization of f-actin filaments: an increment filament thickness was evident at higher g values, compatible with a rearrangement of the cell structures. This photograph was taken at the Center for Micro-BioRobotics@SSSA of the Italian Institute of Technology, Pontedera (Pisa), Italy.

For more information regarding this work, read the article: **Ciofani, G. et al.**, "Hypergravity effects on myoblast proliferation and differentiation", **J. Biosci. Bioeng., Volume 113, Issue 2, Pages 258–261 (2012)**.

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