**Image from Emory's Cellular Imaging Core**

Produced by Alejandra Valdivia, postdoctoral fellow in cardiology, this image, titled "Rainbow," won second place in the 2017 image contest sponsored by the Office of Postdoctoral Education.

**Description**: Mouse embryonic fibroblast cells were stained to visualize stress fibers (long filaments), focal adhesions (peripheral dots), and cell nucleus (double spheres at the center of the cell). Images were pseudo colored and put together in a montage to represent that beauty comes in different shades.

**Technical description**: Mouse embryonic fibroblast cells (MEFs) were seeded on Collagen I coated coverlips and stained to visualize stress fibers (long filaments. Phalloidin Alexa568), focal adhesions (peripheral dots). Stained using an antibody (anti-Paxillin and a secondary conjugated to Alexa 488) and cell nucleus (double spheres at the center of the cell. Stained using DAPI).

Images were acquired in z-stack with a 63x objective (Plan-Apo 420782-9900 63x oil 1.40 NA 0.19 mm WD) and then the maximal intensity projection was applied. Images were subsequently pseudo colored (LUT) and put together in a montage using ImageJ and Photoshop, respectively.

*The Emory Image Core provides state-of-the-art microscopes and image analysis software that allows researchers to study different cell structures in great detail. Core staff assist with technical issues during sample preparation, image acquisition, and image analysis. The core also provides multiple seminars during the year as well as online tutorials for training purposes.*