



Stars of zinc

A cluster of tiny blue stars reveals zinc oxide that crystallized in the presence of gold nanoparticles. In the expanded image, a star's broken arms (blue) and gold at the center (yellow) are visible. The images are of field-effect transistors and were obtained using a scanning electron microscope. Images were magnified 80,000x and digitally colored by Eder Guidelli, doctoral candidate at the School of Philosophy, Science, and Languages and Literature (FFCLRP), University of São Paulo (USP) at Ribeirão Preto. Guidelli, under his advisor, Oswaldo Baffa, is studying the applications of nanotechnology in medical physics to develop nanomaterials for use in X-ray detection. The images were finalists in the Science as Art competition at the 2013 Materials Research Society Fall Meeting in Boston.

Images submitted by Eder Guidelli of FFCLRP-USP

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