



Dr. Matteo Minghetti  
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**Postdoctoral Researcher in Nanotoxicology:** Department of Integrative Biology, Oklahoma State University, Stillwater, OK, U.S.A. and Department of Earth and Planetary Sciences, Washington University in St Louis, St Louis, MO, USA.

The Minghetti lab and the Catalano lab are seeking a postdoctoral researcher for a NSF-funded collaborative and interdisciplinary research project. The focus of this project will be to track chemical transformations of nanoparticles through their uptake and intracellular digestion and to identify their effects on the homeostasis of essential trace elements. This work will utilize a novel model fish intestinal cell line that makes possible investigating a range of exposure scenarios. This project will apply X-ray absorption spectroscopy and nanoscale X-ray fluorescence imaging along with laboratory-based microscopy and assessment of genes and protein expression and function. In addition to research, the post-doc will be responsible for mentoring undergraduate and graduate students during the academic year. Initial appointment will be for one year with competitive salary and benefits. Renewal for two additional years is possible pending successful initial performance. The position has an anticipated start date of January 1, 2018, although this is negotiable.

The minimum qualification for this position is a Ph.D. in a relevant field. Competitive candidates will have a strong background in cell biology, molecular biology and nanotoxicology. In addition, familiarity with the chemistry of metals and trace elements or past experience with synchrotron light sources will be beneficial for working on this project, although not a requirement of the position.

To apply please email a single PDF of (a) a cover letter summarizing research experience and interests, (b) a curriculum vitae (CV), and (c) contact information (email and phone) for three references, preferably including your Ph.D. advisor and, if applicable, your most recent postdoctoral advisor. Please send in an email with the subject line as "Postdoctoral application <your name>" to Matteo Minghetti at [matteo.minghetti@okstate.edu](mailto:matteo.minghetti@okstate.edu). For full consideration, apply by October 30, 2017, although applications will be accepted until the position is filled.

Please direct any questions about the position to Matteo Minghetti [matteo.minghetti@okstate.edu](mailto:matteo.minghetti@okstate.edu) or Jeff Catalano [catalano@eps.wustl.edu](mailto:catalano@eps.wustl.edu)

OSU is an AA/EEO/E-Verify employer committed to diversity. All qualified applicants will receive consideration for employment and will not be discriminated against based on race, color, religion, sex, national origin, disability, or protected veteran status.