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## **Colvin Authors Chapter in Metals in the Brain**

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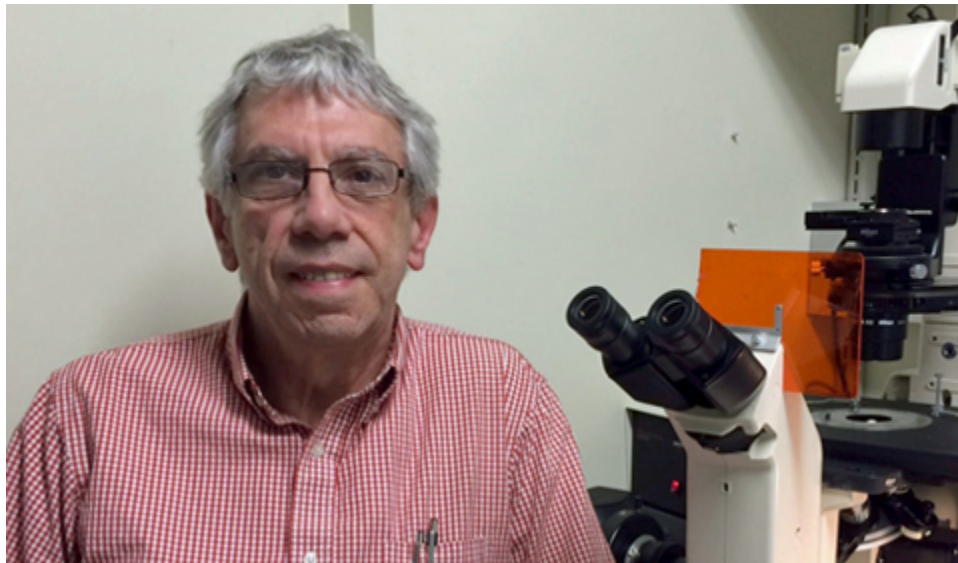
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## Colvin Authors Chapter in ‘Metals in the Brain’

May 7, 2017

Categories: News

Tags: biological Sciences news, Biological Sciences research, book, Molecular and Cellular Biology news, research, Robert Colvin



Dr. Robert Colvin

**Dr. Robert Colvin** contributed a chapter in the book *Metals in the Brain*.

Colvin is Professor of Biological Sciences and Director of the Interdisciplinary Program in Molecular and Cellular Biology.

His chapter is on “Current Methods Used to Probe and Quantify Intracellular Total and Free Zn(II) Dynamics, and Subcellular Distribution in Cultured Neurons.”

*Metals in the Brain* explores methods used to examine metal levels and distribution in brain tissue or brain-derived cells. The chapters in this book discuss the use of fluorescent metal probes, synchrotron-based X-ray microscopy, ICP-MS, laser ablation-ICP-MS, laser-based tissue microdissection, MRI image analysis, fractionation of cell tissue samples for metal analysis, and metal treatment of cells. In *Neuromethods* series style, chapters include the kind of detail and key advice from the specialists needed to get successful results in a laboratory.