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Brown is an assistant professor and director of the Toxicology Graduate Program in the Department of Pharmaceutical Sciences at the University of Colorado Anschutz Medical Campus. He has authored more than 50 publications and served on multiple study sections for the National Institutes of Health (NIH), US Food and Drug Administration, National Institute for Occupational Safety and Health, and several European

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Grafmueller is a doctoral candidate in the Graduate School for Cellular and Biomedical Sciences at the University of Berne. She received her diploma degree in molecular medicine from the University of Freiburg, Germany. Her current research in the Materials-Biology Interactions Laboratory at Empa focuses on the transport of nanomaterials across the human placental barrier.



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Mattson is chief of the Laboratory of Neurosciences at the National Institute on Aging and a professor in the Department of Neuroscience at The Johns Hopkins University School of Medicine. He leads a research team that applies technologies in research aimed at understanding molecular and cellular mechanisms of brain aging and the pathogenesis of Alzheimer's, Parkinson's, and Huntington's diseases; and stroke. He has published more than 500 research articles.



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McGinnis is a professor in the departments of Cell Biology and Ophthalmology at Oklahoma University Center for Health Sciences, director of the Dean McGee Eye Institute Cell Imaging Core, and associate director of the Oklahoma Center for Neuroscience. His lab uses nanoceria to protect retinal neurons from reactive oxygen species-induced death in multiple animal models

for recessive and dominant forms of inherited retinal degeneration, age-related macular degeneration, diabetic retinopathy, retinoblastoma, and retinopathy of prematurity. Current efforts are focused on the demonstration of molecular mechanisms by which nanoceria function in vivo, and the advancement of nanoceria as an FDA-approved Investigational New Drug is safe for use in humans.



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Munusamy is a postdoctoral research fellow at Pacific Northwest National Laboratory. He received his MSc degree in applied polymer science from Martin Luther University, Germany, and his PhD degree from Virginia Tech, USA. His current research is focused on design, synthesis of nanoparticles with well-defined physicochemical properties, and formulation characterization to understand the relationship between nanomaterial properties and biological

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is a Fellow of ASM, AVS, IoN, AAAS, NAI, ECS, and AIMBE, and a recipient of the Office of Naval Research Young Investigator Award. His current research involves functional nanoparticles for energy, biomedical and sensor applications, and green manufacturing. He has coauthored more than 300 papers, numerous book chapters, three books on nanotechnology, and has been awarded 38 patents.



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Self is an associate professor in the Burnett School of Biomedical Science at the University of Central Florida College of Medicine. His doctoral research at the University of Florida spurred his interest in metalloenzymes and the metabolism of molybdenum, and his interests expanded to include selenoproteins during his time as a Research Fellow at NIH. Since building his own group, he has maintained an interest in

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Soga is a professor at Tokyo University of Science. After obtaining his PhD degree (1995) from the University of Tokyo, where he studied rare-earth-doped luminescent materials, he extended his research to photonic applications, focusing on optical communication. He began studying the physical properties of icosahedral cluster solids in 2000. Since 2004, he has been developing a bio-photonic system under NIR-excitation in

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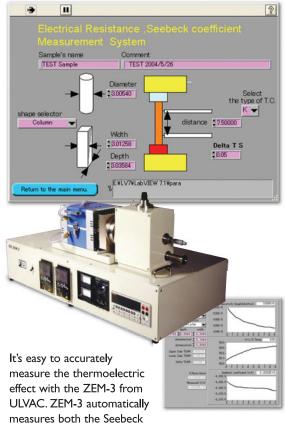
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