

Nastassja A. Lewinski, Ph.D.

Associate Professor, Department of Chemical and Life Science Engineering at VCU College of Engineering

Engineering West Hall, Room 438, Richmond, VA, US

Dr. Lewinski's research topics include nanomaterial toxicity, nanomedicine, and nanoinformatics.

Biography

Nastassja Lewinski is currently an Associate Professor of Chemical and Life Science Engineering at Virginia Commonwealth University. She holds a Ph.D. in Bioengineering and a B.S. in Chemical Engineering from Rice University. Dr. Lewinski has focused her career on integrating biological and environmental compatibility into the design process of engineered nanomaterials. Her research areas include nanotoxicology, nanoinformatics, and sustainable nanotechnology. Her projects over the past three years were supported through industry and VCU sponsorship. She has received numerous prestigious awards and fellowships including the AIChE 35 Under 35 Award in 2017, Leenaards Nested Research Projects Award in 2014, Whitaker International Scholar Award in 2011, NSF Graduate Research Fellowship in 2008, Barry Goldwater Scholarship in 2005, and she is a member of both Tau Beta Pi and Phi Lambda Upsilon. Dr. Lewinski has authored and co-authored 30 peer-reviewed journal articles, 5 book chapters, and 1 provisional patent. She currently advises 1 Postdoctoral fellow, 2 Ph.D. student and 1 M.S. student.

Industry Expertise

Nanotechnology, Education/Learning, Research

Areas of Expertise

Nanomaterial toxicity, Nanoinformatics, Nanomedicine, Advanced in vitro exposure systems, Comparative in vitro ? in vivo analyses

Affiliations

Research Member, Center for Pharmaceutical Engineering and Sciences, Fellow, Center for Risk Management of Engineering Systems, University of Virginia, Section Editor, Drug and Chemical Toxicology

Education

Institute for Work and Health, Lausanne, Switzerland
Postdoctoral

Rice University
Ph.D. Bioengineering

Accomplishments

AIChE 35 Under 35 Awardee
2017

Leenaards Nested Research Projects Prix Awardee
2014

Whitaker International Scholar
2011

NSF Graduate Research Fellow
2008

Barry Goldwater Scholar
2005

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