

Dr. Andre Walther

Associate Professor, Department of Biological Sciences and Director of the Genetic Engineering Program at Cedar Crest College

Allentown, PA, US

Focused on using the model organism "Baker's Yeast" to understand the underlying causes of cancer and its function in beer production.

Description

Dr. Andre Walther is an Associate Professor of Biology at Cedar Crest College. He contributes to Introductory Biology labs, Cell and Molecular Biology lecture and lab, and upper level courses in the Genetic Engineering program including Mammalian Cell Culture and Microscopy lab, Advanced PCR techniques lab, and Advanced Recombinant techniques lecture. He also maintains an active research lab with undergraduates focused on understanding the role of Replication Protein A in cellular responses to DNA damage in budding yeast. He is also doing research in the role of yeast in beer production and in identifying novel fungi for use in biofuel production.

Industry Expertise

Education/Learning, Training and Development, Research, Biotechnology, Renewables and Environmental

Topics

Molecular Biology, Molecular Genetics, Cell Culture, Protein Purification, Cell Biology, Biotechnology, Genetic Engineering, DNA Repair, DNA Replication

Affiliations

Pennsylvania Academy of Science, American Society for Microbiology

Education

University of Iowa - Carver College of Medicine

Ph.D. Biochemistry

University of Northern Iowa

B.A. Chemistry and Biology

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