

Robert Coleman

Assistant Professor, Department of Biology at Farmingdale State College

Farmingdale, NY, US

Dr. Coleman is both a research scientist and an entrepreneur. He is a founding member of Codagenix, a biotech start-up company.

Description

Dr. Coleman has been a faculty member at Farmingdale State College since 2011. His work focuses on rational gene design for vaccine construction - developing vaccines using a software-platform he co-developed. Dr. Coleman's work successfully applied synthetic gene customization to seven distinct viruses including: poliovirus, Influenza A virus, as well as Streptococcus pneumoniae and Enterotoxigenic E. Coli., controlling their gene expression and constructing live-attenuated vaccine candidates.

He has multiple high-impact publications, is the primary investigator on externally funded research projects, and has project management skills in small business and biotechnology.

Dr. Coleman completed his MBA in finance while simultaneously co-founding Codagenix Inc., and teaching/researching as an assistant professor. Dr. Coleman possess unique knowledge of synthetic biology combined with a cross-functional skill that is strong in science and start-ups companies.

Availability

Keynote, Moderator, Panelist, Workshop, Host/MC, Corporate Training

Industry Expertise

Biotechnology, Education/Learning

Topics

Biotechnology, Start Up Companies, Infectious Diseases, Vaccines, Biology, Small Business, Microbiology, Molecular Biology, Grant Funding, Biofuel, Vaccine Development, Synthetic Biology

Affiliations

Past Talks

Emerging Vaccine Technologies

ImVacs

Applications of Synthetic Biology

Synthetic Biology 5.0

Recoding Viral RNA Genomes through Chemical Synthesis: Novel Genetics and Practical Applications
Workshop 3: Synthetic Biology

Rapid Development of Vaccines Against Emerging Threats Using DNA Synthesis and Gene Customization

Gordon Research Conference: Chemical and Biological Terrorism Defense

Whole Viral Genome Synthesis in Synthetic Biology
Synthetic Biology 4.0 Conference

Education

Stony Brook University
PhD Molecular Biology

New York Institute of Technology
Masters of Business Administration in Finance MBA

Tulane University
BS Cell Biology

Accomplishments

BioBricks Foundation, Synthetic Biology 5.0, Young Researcher Travel Award
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American Foundation for Aging Research
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Theresa Santmann Award “Farmingdale State College
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Top 15 Young Entrepreneur of Long Island “Long Island Launch Pad
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