

Eliseu O. De Oliveira

Research Assistant Professor, Medicines for All at VCU College of Engineering

Richmond, VA, US

De Oliveira researches chemical processes for cleaner and more economical routes of synthesis for drugs needed in developing countries

Biography

Eliseu O. De Oliveira, M.S., Ph.D., graduated from the University of São Paulo (Ph.D. in medicinal chemistry; M.S. in organic chemistry), followed by postdoctoral fellowships in the U.S. at Virginia Commonwealth University and Georgetown University. His expertise has been applied to the development of methodologies for synthesis of nitrogen containing heterocyclic compounds of biological interest and relevant to the design of chemical manufacturing processes. He has successfully conducted projects with small molecules for drug discovery for respiratory inflammation (LTA4H modulators for COPD), breast cancer (BRCA1 mimetics), novel pro-cognitive CNS agents (5-HT7 antagonists) and synthesis of marine natural products for potential analgesic activity (hermitamides A and B).

As an assistant professor in VCU's Medicines for All program, he researches novel chemical processes for cleaner and more economical routes of synthesis for drugs greatly needed in developing countries (e.g. Dolutegravir for AIDS/HIV). Before coming to VCU, De Oliveira served as the scientific coordinator of the Georgetown University Center for Drug Discovery in the Chemical Biology Consortium of the National Cancer Institute's Next Therapeutics Program. He is also Co-Founder of the Brazilian Expert Network (BEN), a non-profit organization focused on bridging the innovation gap between Brazil and the U.S.

Industry Expertise

Biotechnology, Chemicals, Education/Learning, Pharmaceuticals, Research

Areas of Expertise

Drug Discovery, Organic Chemistry, Biochemistry, Molecular Biology, Protein Purification, Medicinal Chemistry

Education

Universidade de São Paulo
PhD Medicinal Chemistry

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