

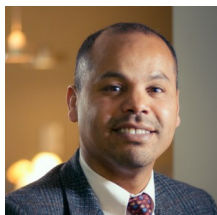
CHEMISTRY NEWS

Cleveland State University, Chemistry Department

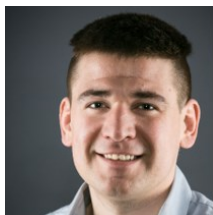
VOL. 1, ISSUE 4

1.1.2023

Top stories in this newsletter



Dr. Mekki Bayachou
New A&S Associate Dean
Curriculum & Facilities



Cody Orahoske
Clinical Bioanalytical Chemistry program student



Dr. Ali Rownaghi
National Science Foundation Award

Dr. Mekki Bayachou



Dr. Mekki Bayachou has been selected as the new College of Arts and Sciences Associate Dean for Curriculum and Facilities starting his new roll as of January 9th 2023 . Dr. Bayachou has been a dedicated Professor in the Chemistry Department since 2001. In 2022 Dr. Bayachou received an award from the National Institutes of Health for his groups development of a nanostructured thin film material based on defined organic selenides chemically attached to ultra microelectrodes as sensing devices.

Dr. Bayachou's research involves Functional Biomaterials, Antithrombotic surfaces, Electron-transfer, Nitric oxide synthases, Metalloproteins, Metalloenzymes, Cyt P450s, Bio-electrochemistry, DNA-sensors, DNA-protein interaction, Small Molecule metabolite sensors, Nanotechnology

Cody Orahoske



Cody Orahoske a fourth-year student of Dr. Bin Su was invited to attend The Annual Congress of International Drug Discovery Science and Technology from May 10th - May 12th,2023 Tokyo, Japan.

Orahoske will be discussing his American Chemical Society infectious disease publication "Lead Identification via High throughput screen leads to molecular identification of Flagellum attachment zone 1 (FAZ1) filament as a binding partner of 6,7-dimethoxyquanzilone in Trypanosoma brucei" Cody M. Orahoske, Marjia Afrin, Yaxin Li, Jovana Hanna, Myah Marbury, Bibo Li, and Bin Su ACS Infectious Diseases 2022 8 (8), 1711-1726 DOI: 10.1021/acsinfectdis.2c00331

Dr. Ali Rownaghi



Dr. Ali Rownaghi in the Department of Chemistry receives his newly funded research grant from the National Science Foundation in the amount of \$414,710!

Award Title: Morphology-Controlled Carbon Molecular Sieve Membranes for Gas Separation

Dr. Rownaghi started at CSU last year 2022. His research involves creating, understanding, and coupling advanced materials chemistry work with process engineering for chemical, biochemical, energy and environmental applications. He works on challenging problems related to sustainable energy, carbon capture and utilization, direct air capture, hydrogen generation and storage, continuous flow chemistry, and fine chemicals production. Building upon his current research expertise, his team will continue working on nanoporous materials to tackle these challenges, which to a large extent, depend on acquiring/capturing/utilizing small molecules such as H₂, H₂O, NH₃, CO₂, CH₄, light olefins/paraffins, and liquid hydrocarbons.

Chemistry Department, Cleveland State University
<https://sciences.csuohio.edu/chemistry/chemistry>
2351 Euclid Ave, Cleveland, OH US 44115
(216) 687-2451