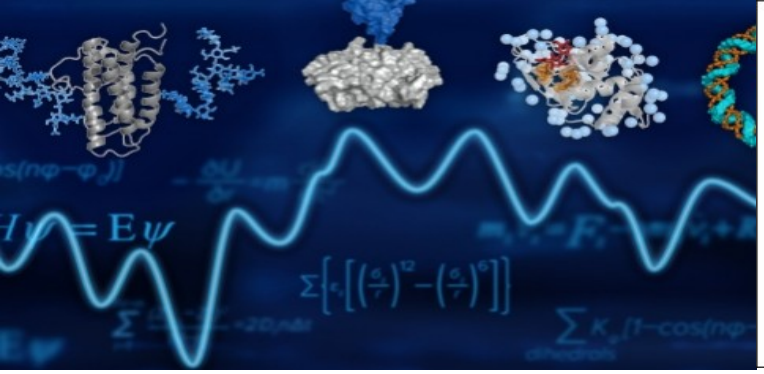

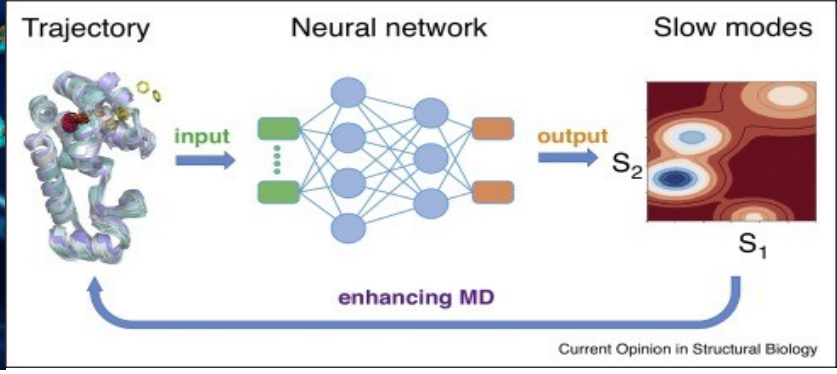

7th Summer School on Cheminformatics, Classical Molecular Dynamics Simulation and Machine Learning for Harnessing Natural Products

5 - 16 October, 2022

NM-AIST, ARUSHA, Tanzania.

Websites: https://www.creates-nmaist.ac.tz/
https://nm-aist.ac.tz/

Understanding the chemical interactions and molecular machinery of biological systems is an important step towards designing bio-inspired materials. However, understanding specific and nonspecific interactions in nature at the molecular scale are limited. Computational chemistry provide a means to study biophysical systems with atomistic details. Chemoinformatics and Machine learning (ML) on other hand, provide a means to synthesize meaningful insights from the deluge of high-dimensional data generated by molecular dynamics simulation (MD). In this school participants will be introduced to the concept and ideas of Chemoinformatics, ML and MD and how the three can be coupled to yield insights on the molecular interactions towards designing drug and chemical space exploration.

TOPICS:
Chemo-informatics, Machine Learning, Deep Learning, Natural Product Chemistry, Molecular Dynamics Simulation.

To apply click here
For questions write to: createspostgrad@nm-aist.ac.tz

Funding
Limited funding is available to cover transport, meals and accommodation.

Female applicants are encouraged to apply.

Deadline is 10 September 2022

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