



MPS Newsletter

SEPTEMBER 2024

MPS ORIENTATION DAY- 2024

MPS Faculty and Staff welcomed the new cohorts for the academic year on August 29th last month. The Orientation day helped students familiarize with the CNU departments and resources that would be part of their academic journey at CNU. The day ended with a campus tour and a quick photo session with the new class.



MEET THE MPS CLASS PRESIDENT CANDIDATES!



NOAH KIM
MPS1 STUDENT



GRATIANA CHEN
MPS1 STUDENT

MPS BOARD- CLASS PRESIDENT ELECTIONS

On the first week of September, we invited all interested students to take part in the upcoming Class President Elections. After receiving the expression of interest letters, we were excited to announce our two candidates, Noah Kim and Gratiana Chen our MPS1 students running for the Class President elections.

MPS ALUMNI ACHIEVEMENTS

Our MPS Alumni, Jonathan Clement (COF22) and Kishore Bharadwaj (COF23) abstracts have been accepted for a poster presentation at the American Medical Association (AMA) research challenge. This is a proud moment for the MPS family as both the alumni's have worked with Dr. Eslam Mohamed on their projects that they will be presenting during this challenge.

\$10,000 GRAND PRIZE AMA RESEARCH CHALLENGE

Grand prize presented by **Novum Food**

AMA

The AMA promotes the art and science of medicine and the betterment of public health.



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MPS CLASS PRESIDENT ELECTION DAY! - 2024

MPS hosted the Class President Election Day! Our two candidates Noah and Gratiana had the opportunity to present to the class on their vision, commitment and passion towards the role. We thank both the students for their interest and dedicated efforts towards the program. Congratulations to Gratiana Chen, our newly elected Class President for the academic year! We are excited to see her leadership in action and support her vision.





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MPS FACULTY PUBLICATION

Honoring our faculty's dedication to advancing knowledge with their new publication. Our MPS faculty **Dr. Abdelbasset Farahat** published a new paper in Royal Society of Chemistry (RSC) Advances IF 3.9 Journal. Our faculty contributions not only enhance our academic standing but also inspire our future scholars. Congratulations Dr. Farahat!



RSC Advances



PAPER



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Single GC base pair recognition by a heterocyclic diamidine: structures, affinities, and dynamics†

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rsc.li/rsc-advances

The recognition of specific genomic arrangements by rationally designed small molecules is fundamental for the expansion of targeted gene expression. Here, we report the first X-ray crystal structures that demonstrate single G (guanine) recognition by a highly selective diamidine (DB2447) in a mixed DNA sequence. The study presents detailed structural information on the mechanism of single G recognition by D2447 and its various interactions in the DNA minor groove. Molecular dynamics and binding studies were used to evaluate the details of our reported structures. The study provides structural insight and resources necessary for understanding single G selection in genomic sequences.

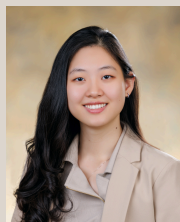
MEET THE BOARD!



Gratiana Chen
Class President



Noah Kim
Co-President



Stella Yao
VP Administration



Anagha Math
VP Support



Mehar Brar
VP Outreach