

#### 4. Research report (Follow the guideline on the next page)

The Leading Academia in Marine and Environment Pollution Research (LaMer) Symposium with a theme “Usable Science Resulting in Impact: An Annual International Colloquium between the Ehime University and De La Salle University” was held last 07 March 2023 at the Media Hall, Ehime University. The symposium aims to convene professors, researchers, and PhD students of EU and DLSU.



Figure 1. Participants of the LaMer Symposium 2023.

The symposium had two parts: Keynote and Poster Sessions. Prof. Jonathan Dungca, the Vice President of DLSU Laguna Campus and Dean of the DLSU School for Innovation and Sustainability, introduced the campuses, research centers and facilities of DLSU, and emphasized the importance of the EU-DLSU International Collaborative Research Laboratory (ICRL) at the Laguna Campus in his Keynote Speech. On the other hand, Dr. Ma. Luisa Enriquez, a Professorial Lecturer at DLSU and Associate Professor at EU, discussed cytogenomics of insects for evolutionary trends and agricultural applications.

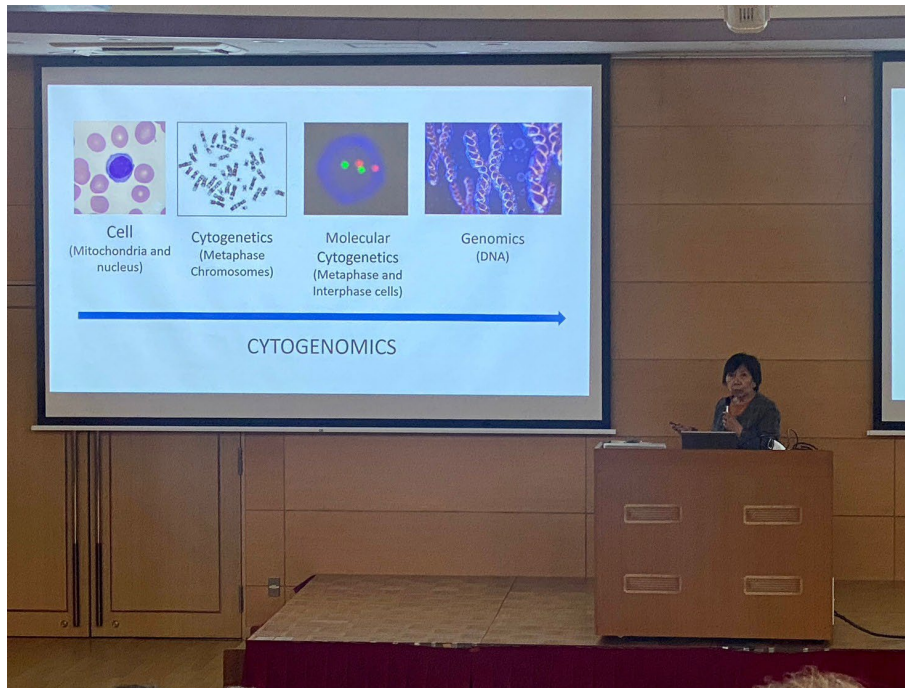


Figure 2. Dr. Enriquez discussing cytogenomics during her Keynote Speech.

The Poster Session had fifteen scientific posters on medical and health, agriculture, and biodiversity; seven posters were from DLSU delegates and eight from EU. Marynold Purificacion (EU-DLSU ICRL), Kenneth Bongulto (EU) and Kris Lord Santos (DLSU) won the Best Poster awards.



Figure 3. Poster presenters explaining the results and significance of their study (L-R): Diane Minerva Dichoso and Dr. Thaddeus Carvajal from DLSU, and Dan Joseph Logronio from EU.

Table 1. List of scientific posters presented during the LaMer Symposium.

Presenter	Affiliation	Title
Jerica Isabel Reyes	Ehime University	Targeting the mosquito vector, <i>Aedes aegypti</i> , for arthropod-borne disease control

Yasutsugu Suzuki	Ehime University	Investigation of potential impacts of cell-fusing agent virus (CFAV) infection on <i>Aedes aegypti</i> mosquito fitness: viability, feeding behavior and reproduction
Mohammad Mosleh Uddin	Ehime University	Characterization of viral DNA forms of cell-fusing agent virus (CFAV) produced in <i>Aedes aegypti</i> mosquito in vitro
Kenneth Bongulto	Ehime University	Antibiograms and resistance determinants in <i>Acinetobacter</i> species
Emmanuel Gandalera	Ehime University	Biosynthesis of Gold Nanoparticles for Quorum Sensing Inhibition and Anti-Cancer Activities
Ngure Kagia	Ehime University	Using metagenomics to characterize the microbial diversity and resistome of wastewater and river water.
Anwar Hossain	Ehime University	Occurrence of Antibiotics and Antibiotic Resistant Bacteria in Surface Water of Finfish and Shellfish Aquaculture in Bangladesh
Dan Joseph Logronio	Ehime University	Assessment of Macroinvertebrate Biodiversity in Hiji River, Ehime, Japan based on DNA Metabarcoding
Thaddeus Carvajal	De La Salle University	<i>Status of A Systematic Review of Biological Control Approaches in Aedes-borne diseases</i>
Brandon Cyril Lira	De La Salle University	<i>Development of an Oviposition Attractant using Volatile Compounds from Plant Infusions for the Monitoring and Control of Aedes aegypti L.</i>
Minerva Diana Dichoso	De La Salle University	<i>Toxorhynchites splendens (Diptera: Culicidae) as a Potential Biological Control Agent for Aedes spp.</i>
Mary Jane Flores	De La Salle University	<i>Prevalence of zoonotic helminths among house rats (Rattus spp.) in selected urban and rural areas in the Philippines</i>
Kris Lord Santos	De La Salle University	<i>Chemodiversity Analysis of Volatiles from the Host Plants of the Cacao Mirid Bug (Helopeltis bakeri Poppius)</i>
Juan Miguel Esguerra	De La Salle University	<i>Field Evaluation of Particle Film Formulation Against the Cacao Mirid Bug (Helopeltis bakeri Poppius)</i>
Marynold Purificacion	EU-DLSU ICRL	<i>Plant Disease Surveillance Using Magnetic and Metallic Nanoparticles</i>

Before the symposium, DLSU members also had a tour at the Molecular Ecology and Health Laboratory (MEcoH Lab), and a collaboration meeting with the four CMES full professors (Prof. Kozo Watanabe, Prof. Xinyu Guo, Prof. Hisato Iwata and Prof. Tatsuya Kunisue), wherein they discussed how each research center/unit can contribute mutually.



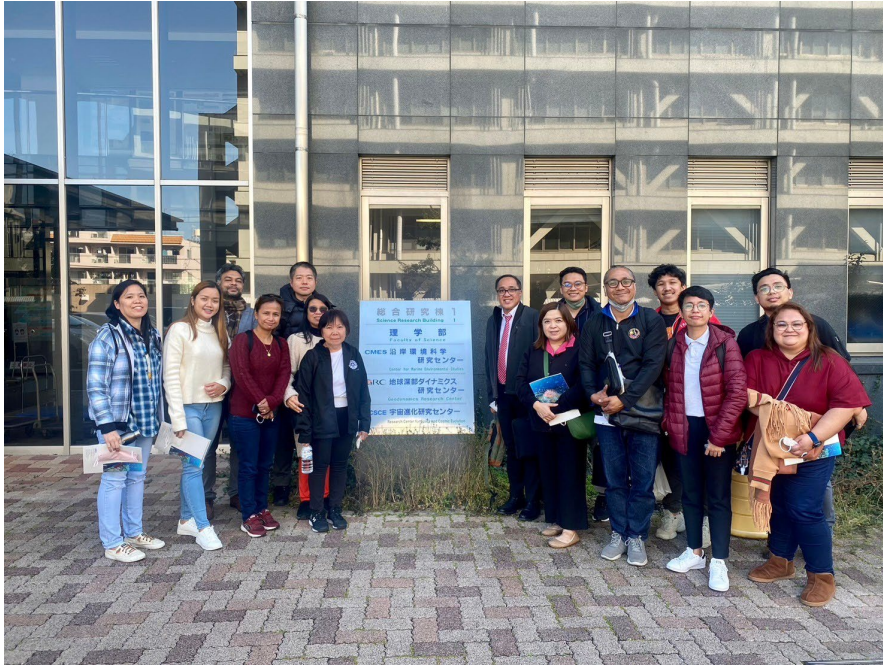


Figure 4. DLSU faculty and research staff at CMES.



Figure 5. Collaboration meeting between CMES and DLSU.