



TRAINING/WORKSHOP/ORIENTATION PROPOSAL

Title : "2nd USC and VSU Symposium on Biophysics 2023: Diving into the Future: Forwarding the Boundaries of Biomedical Research through Local Biomaterials"

Participants : DPhys Faculty and Staff, VSU Students (e.g., BSAP, BSBiotech, BS Biology, BS Marine Biology, BS Chemistry, BS in Food Technology, BSED major in Science), Senior High School Students, and interested VSU Employees and Students

Date : ⁶⁻⁸ July ~~5-7~~ 2023 (^{Thursday - Saturday} ~~Wednesday - Friday~~)
(^{Convention Center, VSU} ~~RDE Hall, VSU~~)

Venue : Hybrid Modality: Face-to-Face (~~RDE Hall, VSU~~) and Virtual (via Zoom)

Rationale

Biophysics is the science that deals with the study of living things through the application of the laws and principles of physics. One of the most interesting fields in biophysics is medical biophysics. Medical biophysics is a multi-disciplinary field that encompasses the applications of physics, biology, engineering, and mathematics to study biological systems and processes. Here, novel or improved techniques are used to investigate and characterize the underlying complexity that is taking place in many biological systems and processes.

Over the years, medical biophysics has gained much attention because of the role it plays in advancing research in medicine and physics. It has also been at the forefront of developing innovative methods for a wide range of applications in health care. Despite its important role in physics and medicine, little is still known about the recent applications and research in medical biophysics.

In order to gain and learn about the recent research in medical biophysics, we proposed to conduct the "2nd USC and VSU Symposium on Biophysics 2023". Moreover, the said symposium will be an avenue for sharing and exchange of valuable information related to medical biophysics research.

Objectives

At the end of the symposium, participants will be able to:

1. Gain knowledge on medical biophysics research;
2. Learn on the recent techniques used to carry out research on biophysics; and
3. Improve their understanding on medical biophysics research.

Methodologies/Strategies

1. Discussion of topics on medical biophysics research.
2. Hands-on activities on 3D bioprinting.

Resources Needed:

The resources needed in this symposium are the following:

- 1) internet connectivity
- 2) laptop/computer

- 3) Resource Speaker/s (USC, TUMSAT, VSU, HNU, CDU-H)
- 4) Venue (RDE Hall)
- 5) LED TV (c/o VSU Web Team)
- 6) Zoom (c/o VSU Web Team)

Expected Outcome:

Participants are expected to actively interact in the symposium. Takedown notes for future reference and applies them in their respective research endeavors and instruction.

Estimated Budget:

Particulars	Cost in peso (Php)
Supplies and Materials (e.g., certificates, program, ID, among others)	PhP 3,000.00
Plaque of Appreciation (Resource Speakers)	PhP 5,000.00
Snacks (100 pax x 2 (AM and PM) x 1 day x P60.00 (July 6, 2023) - c/o University of San Carlos	
Fuel	PhP 5,000.00
Day 1 (July 5, 2023)- Arrival and VSU Campus Tour	PhP 10,400.00
Lunch - (13 pax x 1 day x P200.00)	
Dinner - (13 pax x 1 day x P200.00)	
Day 2 (July 6, 2023)	
Breakfast - (13 pax x 1 day x P200.00)	
Lunch - (100 pax x 2 (AM and PM) x 1 day x P200.00 (July 6, 2023) - c/o University of San Carlos	
Dinner - (13 pax x 1 day x P200.00)	
Lodging (3 days) - PhP 1, 500.00 per day (2 Resource Persons) - PhP 2, 500 per day (Dorm Type) x 2 Rooms	PhP24, 000.00
TOTAL	PhP 47, 400.00

* Expected participants= 100

Prepared by:

REV RHIZZA L. AURE
Head, DPhys and Project Leader

Availability of funds:

LOUELLA C. AMPAC
Director of Finance

charged to
VSI JP- 2021-12

Noted:

MA. THERESA P. LORETO
Dean, CAS

Recommending Approval:


BEATRIZ S. BELONIAS
VP for Academic Affairs


MARIA JULIET C. CENIZA *Cancel 6/1/23 mi*
VP for Research, Extension, and Innovation

Approved:


EDGARDO E. TULIN
President

PROGRAM OF ACTIVITIES

"2nd Symposium on Medical Biophysics Research"

July 5 – 7, 2023

RDE Hall, Visayas State University

Day 1- July 5, 2023 (Wednesday)- Arrival and Campus Tour

Time	Venue
Morning	Fetch resource speakers (MBG Team) at Baybay City/ Ormoc City- VSU Bus
12:00 P. M.	Lunch at VSU Guest House
1:30 PM	Department of Physics
2:00 PM	Department of Food Science and Technology
2:30 PM- 5:00 P. M.	Tuklas Lunas/ Research Centers (e.g., Tissue Culture Laboratory at NARC and NCRC, PhilRootcrops Engineering Section, Renewable Energy Center)
6:00 P. M.	Dinner at VSU Guest House

* Campus Tour- ~~Visca~~ Bus



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"2nd USC and VSU Symposium on Biophysics 2023"

July 6 – 7, 2023

*"Diving into the Future: Forwarding the Boundaries of Biomedical Research through
Local Biomaterials"*

RDE Hall, Visayas State University

Day 2- July ⁷~~6~~, 2023 (^{FRIDAY}~~Thursday~~)
(Edited) 9:00 AM Start

Time	Agenda	Speaker
8:00 AM	Technical Preparations	VSU and MBG Team
9:00 AM	National Anthem & Invocation	AVP, VSU Web Team
9:30 AM	Welcome remarks	Dr. Edgardo E. Tulin, VSU President
9:40 AM	Message (5 mins)	Dr. Renante R. Violanda, USC
9:45 AM	Keynote Speaker (20 mins)	Prof. Shingo Matsukawa, Tokyo University of Marine Science and Technology
10:05 AM	Question and Answer (10mins)	
10:15 AM	MBG Minisymposium (30 mins)	Medical Biophysics Group- Center for Tissue Engineering and Soft Biological Materials, University of San Carlos (Dr. Rommel G. Bacabac and MBG members)
10:45 AM	Question and Answer (5 mins)	
10:50 AM	Coffee Break (15 mins)	
11:05 AM	Plenary speaker (15 mins)	Dr. Quenstein D. Lauzon (Visayas State University- Tolosa)
11:20 AM	Question and Answer (5 mins)	
11:25 AM	Plenary speaker (15 mins)	DOST- Industrial Technology Development Institute
11:40 AM	Question and Answer (5 mins)	
11:45 AM	Plenary speaker (15 mins)	Holy Name University (Dr. Hyacinth Suarez)
12:00 NN	Question and Answer (5 mins)	
12:05 NN: Lunch Break/Lightning Talks Video		
1:30 PM	Poster & Demo Sessions A	
2:15 PM	Coffee Break (20 mins)	
2:35 PM	Intermission: Trivia Questions	
3:00 PM	Poster & Demo Sessions B	
3:30 PM	Closing Remarks	
3:40 PM	VSU Hymn	AVP, VSU Web Team
4:00 PM	Business Meeting	

Master of Ceremonies: Jeffrey Lloyd L. Cagande

Moderator: Rev Rhizza L. Aure