



O.1. The faculty are trained and competent to serve the institution

 Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
Fort Pilar Zamboanga City 7000
Tel No: (062) 992-3092 Telefax (062) 991-0777 website: <http://www.zscinst.edu.ph> 

OFFICE OF THE COLLEGE PRESIDENT

MEMORANDUM: Unnumbered
Series 2022

TO : MS. ANNIE B. GONZALES
: MS. KIA P. PIÑERO

SUBJECT : TO ATTEND THE MOLECULAR TECHNIQUES AND ITS APPLICATION ON FISH SPECIES IDENTIFICATION, BIODIVERSITY, DISEASE MONITORING AND IMMUNE PHYSIOLOGY OF AQUATIC ANIMALS


FROM : JAIME G. JALON, Ph.D.
College President

DATE : June 27, 2022

You are hereby authorized **TO ATTEND THE MOLECULAR TECHNIQUES AND ITS APPLICATION ON FISH SPECIES IDENTIFICATION, BIODIVERSITY, DISEASE MONITORING AND IMMUNE PHYSIOLOGY OF AQUATIC ANIMALS ON OFFICIAL TRAVEL** to be held from July 11 to 29, 2022 at the University of the Philippines Visayas, Ilo Ilo City, Philippines.

For your compliance.

Copy furnished:
President's Office
HRMO
Accounting Office → 8:30 AM (7/6/22)
File



The official memorandum for Ms. Annie B. Gonzales and Engr. Kia P. Piñero to attend a training at the University of the Philippines Visayas in Iloilo City on Molecular Techniques and its application from July 11-29, 2022.



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ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
 Fort Pilar, Zamboanga City
 Tel. No. (062)992-3092 Telefax: (062)991-0777 website: <http://www.zscmst.edu.ph>



MEMORANDUM UNNUMBERED
 Series 2022

FOR : DR. JAIME G. JALON
 College President

FROM : THE HUMAN RESOURCE DEVELOPMENT COMMITTEE

SUBJECT : MOLECULAR TECHNIQUES AND ITS APPLICATION ON FISH SPECIES IDENTIFICATION, BIODIVERSITY, DISEASE MONITORING AND IMMUNE PHYSIOLOGY OF AQUATIC ANIMALS.

DATE : June 27, 2022

This is to recommend the following to attend the foregoing TRAINING.

Participant	
1. Ms. Annie B. Gonzales 2. Ms. Kia P. Piñero	To attend the training activity on the application of Molecular techniques and its application on Fish species identification, biodiversity, disease monitoring and physiology assessment of aquatic animals from July 11 to 29, 2022 at the University of the Philippines Visayas, Ilo Ilo City, Philippines. OFFICIAL TRAVEL

Please see attachment/s



THE COMMITTEE

OLIVER D. TITO, Ph.D.
 VP for Academic Affairs
 Chair

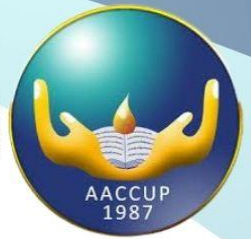
Emma A. Santos
EMMA A. SANTOS
 OIC Head, HRMO
 Member

Mark James A. Alba
MARK JAMES A. ALBA
 OIC BUDGET OFFICER
 Member

ALVIN C. REYES, RN, Ed.D
 VP for Admin & Finance
 Member

APPROVED:

Jaime G. Jalon
JAIME G. JALON, Ph.D.
 College President



UNIVERSITY OF THE PHILIPPINES VISAYAS
COLLEGE OF FISHERIES AND OCEAN SCIENCES
INSTITUTE OF AQUACULTURE



June 14, 2022

Jaime G. Jalon, Ph.D.

University President
Zamboanga State College of Marine Sciences of Technology,
Fort Pilar, Zamboanga City

Dear President Jalón,

The University of the Philippines Visayas, College of Fisheries, and Ocean Sciences-Institute of Aquaculture will be conducting hands-on training activity on the application of Molecular techniques and its application on Fish species identification, biodiversity, disease monitoring and immune physiology assessment of aquatic animals. The training activity will be conducted on **July 11 to 29, 2022**. This training is free, but the participants are expected shoulder the cost of their lodging and daily major meals.

In this regards we are inviting 1 or 2 member your faculty from the College of Fisheries and Marine Sciences who are interested to learn and participate in our training activity on the application of molecular techniques application in fish biodiversity and aquatic animal health.

This activity is intended to uplift the manpower capability of strategic State Universities in the application of aquatic science and related tools to address the issues associated with the management and sustainable utilization of aquatic resources of the Philippines.

Looking forward to your favourable response allowing these ZSCMST faculties to participate in our training activity.

Sincerely,

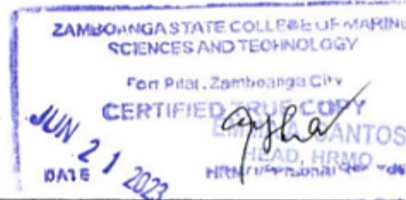
REX FERDINAND M. TRAIFALGAR, Ph.D.,

Director, Institute of Aquaculture, Professor 7, UP Scientist 3
College of Fisheries and Ocean Sciences
University of the Philippines Visayas
Miag-ao, Iloilo, Philippines

Dr. Jaime Jalon

For your recommendation. R

6/29/22





Villadolid Hall, Old Administration Building, UPV Campus, Miagao, Iloilo
Telefax: (033) 315809 Trunklines: (033)-31596-31 to 32; 508-4164 to 65 – Local 157 & 158
Email: ia.upvisayas@up.edu.ph

A Letter from Dr. Rex Ferdinand M. Traifalgar of the University of the Philippines Visayas to Dr. Jaime G. Jalon of ZSCMST, inviting the faculty to a training on molecular techniques from July 11-29, 2022



A program for the "Training of Educators in Aquatic Mainstream Science (TEAMS)"


 UNIVERSITY OF THE PHILIPPINES VISAYAS
 COLLEGE OF FISHERIES AND OCEAN SCIENCES
 INSTITUTE OF AQUACULTURE
 

Training of Educators in Aquatic Mainstream Science (TEAMS)
Hands-on Training on DNA Barcoding and Disease Detection
 July 11 to 22, 2022
 Fish Diseases Laboratory

Day 1 (July 11, 2022)

09:00 AM – 09:30 PM *Registration
Opening Program*

09:30 AM – 12:00 PM *Tour at the IA Multispecies Hatchery
Complex*

01:00 PM – 04:00 PM **Lectures:**
*Principles of DNA Barcoding
 (Dr. Traifalgar)
 DNA Barcoding Methods
 (Dr. del Castillo)*

Day 2 (July 12, 2022)

08:30 AM – 09:30 AM **Lecture:** *Histological Techniques
 (Dr. SD Lumayno)*

10:00 AM – 5:00 PM **Laboratory:** *Preparation and
 preservation of specimen for DNA
 barcoding; DNA Extraction*

Day 3 (July 13, 2022)

09:00 AM – 05:00 PM **Laboratory:** *Polymerase Chain
 Reaction; Gel Electrophoresis*

Day 4 (July 14, 2022)

08:30 AM – 09:30 PM **Lecture:** *Application of molecular
 methods in microalgal research (Dr.
 Ferriols)*



Laboratory: *Sending Samples for
 DNA sequencing; Analysis of DNA
 sequences using MEGA*

Day 5 (July 15, 2022)

09:00 AM – 05:00 PM **Lectures:**
*Molecular Detection of Disease Agents
 (Dr. del Castillo)*

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 UNIVERSITY OF THE PHILIPPINES VISAYAS
 COLLEGE OF FISHERIES AND OCEAN SCIENCES
 INSTITUTE OF AQUACULTURE
 

*Significance of Aquaculture in the
 Philippines (F. Huervana)
 Diseases of Algae (Dr. Borlongan)*

Day 6 (July 18, 2022)

09:00 AM – 12:00 PM **Laboratory:** *Fish and Shrimp Blood
 Sampling*

01:00 – 05:00 PM **Laboratory:** *Fish Parasite Detection
 and Preservation*

Day 7 (July 19, 2022)

09:00 AM – 5:00 PM **Laboratory:** *Microbiological Techniques*

Day 8 (July 20, 2022)

09:00 AM – 05:00 PM **Laboratory:** *Detection bacterial
 pathogens using PCR*

Day 9 (July 21, 2022)

09:00 AM – 05:00 PM **Laboratory:** *Detection of WSSV in
 shrimp using nested PCR*

Day 10 (July 22, 2022)

09:00 AM – 05:00 PM **Laboratory:** *Detection of WSSV in
 shrimp using nested PCR (continuation)*

**Part II: Fish Taxonomy
 UPV Museum of Natural Sciences**

Day 11 – 15 (JULY 25 to 29, 2022) *Fish Taxonomy (D. Mediodia)*

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Project Staff

HABs Watch Project - Research Staff

Research Fellow I

1. TG Bonjuana Cañal
2. Judia N. Gonzaga

Laboratory Technician II

1. Jomari S. Mejos

HABs Watch Project - Faculty Staff

Fieldwork (Sampling, Isolation, and Culture)

1. Raymond Antonio Lim
2. Rolando Pelinggon
3. Annie B. Gonzales

Molecular Work (DNA Extraction, Sequencing, and Omics)

1. Aldette D. Dela Cruz
2. Kathleen J. Dalope
3. Kia P. Piñero

Staff directory for the HABs Watch Project, listing research and faculty staff members, including Annie B. Gonzales and Kia P. Piñero, in their respective roles.



University of the Philippines Visayas

College of Fisheries and Ocean Sciences



Institute of Aquaculture



National Institute of Molecular Biology and Biotechnology

UPV Museum of Natural Sciences


CERTIFICATE OF COMPLETION

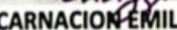
is hereby presented to

Kia P. Piñero

for completing the Hands-on Training on Fish DNA Barcoding under the Institute of Aquaculture Training Program: Training of Educators in Aquatic Mainstream Science (TEAMS) held on July 11 – 15, 2022 at CFOS-IA Fish Diseases Laboratory.

Given this 29th of July 2022 at the Institute of Aquaculture, College of Fisheries and Ocean Sciences, University of the Philippines Visayas, Miagao, Iloilo.


REX FERDINAND M. TRAIFALGAR, Ph.D.
Director, Institute of Aquaculture


ENCARNACION EMILIA S. YAP
Dean, College of Fisheries and Ocean Sciences



University of the Philippines Visayas
College of Fisheries and Ocean Sciences
Institute of Aquaculture
National Institute of Molecular Biology and Biotechnology
UPV Museum of Natural Sciences


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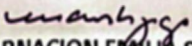
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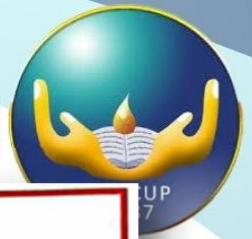
Kia P. Piñero

for completing the Hands-on Training on Fish Curatorial Procedures under the Institute of Aquaculture Training Program: Training of Educators in Aquatic Mainstream Science (TEAMS) held on July 25 – 29, 2022 at CFOS-IA Ichthyology Laboratory.

Given this 29th of July 2022 at the Institute of Aquaculture, College of Fisheries and Ocean Sciences, University of the Philippines Visayas, Miagao, Iloilo.


REX FERDINAND M. TRAI FALGAR, Ph.D.
Director, Institute of Aquaculture


ENCARNACION EMILIA S. YAP
Dean, College of Fisheries and Ocean Sciences



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CERTIFICATE OF COMPLETION

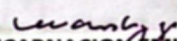
is hereby presented to

Kia P. Piñero

for completing the Hands-on Training on Fish and Shrimp Pathogen Detection under the Institute of Aquaculture Training Program: Training of Educators in Aquatic Mainstream Science (TEAMS) held on July 18 – 22, 2022 at CFOS-IA Fish Diseases Laboratory.

Given this 29th of July 2022 at the Institute of Aquaculture, College of Fisheries and Ocean Sciences, University of the Philippines Visayas, Miagao, Iloilo.


REX FERDINAND M. TRAIFALGAR, Ph.D.
Director, Institute of Aquaculture


ENCARNACION EMILIA S. YAP
Dean, College of Fisheries and Ocean Sciences

Copies of certificates from training attended by the faculty member

See the link provided for the Learning and Development (L&D) Interventions/Training Programs Attended:

<https://drive.google.com/file/d/1rOIDmIALeL4zd7gZS5jdqm2Z0pub4F6L/view?usp=sharing>