<table>
<thead>
<tr>
<th>Program Title</th>
<th>Name of Proponent</th>
<th>CU/College/Unit</th>
<th>Beneficiaries</th>
<th>Duration</th>
<th>Start Date</th>
<th>End Date</th>
<th>Total Program Budget</th>
<th>STATUS</th>
<th>Publications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social-ecological resilience on different spatial and temporal scales (emphasis on the coast)</td>
<td>Yap, Maria Helena</td>
<td></td>
<td>Farmers, researchers</td>
<td>4 Years</td>
<td>2012</td>
<td>2016</td>
<td>9,159,992.00</td>
<td>Completed</td>
<td>Wagner A, Yap HT, Yap H, 2012: drivers and consequences of land use patterns in a developing country rural community. Agriculture, Ecosystems and Environment 154, 78-83.</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>Labao AB, Napal Jr, PC, Yap HT, Yap H, 2017: Influence of rural livelihood switching through agroecosystems to alleviate pressure on resources. Agriculture, Ecosystems and Environment 246, 96-104.</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Labao, AB, Naval Jr, PC, Yap HT, Yap H. 2017. Using deep-belief networks to predict work shifting probabilities in a rural Filipino community to assist management approaches. For possible submission to &quot;Conservation Biology&quot;.</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>Gilbon, J, Boitong, C, Yap HT. 2018. Examining complex network structures from a socioeconomic system in a high biodiversity area. For submission to a journal on complexity.</td>
</tr>
<tr>
<td>HULLUBATON: Putting together the Mandaya Dawot</td>
<td>Quintero, Genevieve</td>
<td></td>
<td>Researchers, academe, indigenous communities</td>
<td>4 Years</td>
<td>2012</td>
<td>2014</td>
<td>2,941,741.58</td>
<td>Terminated</td>
<td>Audio files of the Hullubaton (Gambong and Llumungtad) and Hullubaton (Buyag and Sadya)</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>Video of the Mandaya Dawot and The Mandaya Balyans</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The Hullubatons have been translated into two languages: English and Visayan</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Presentations in international conferences</td>
</tr>
</tbody>
</table>
### Computer-aided discovery of compounds for the treatment of tuberculosis in the Philippines

<table>
<thead>
<tr>
<th>Authors</th>
<th>Title</th>
<th>Year</th>
<th>Publication Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Billones, Junie</td>
<td>Computer-aided discovery of compounds for the treatment of tuberculosis in the Philippines</td>
<td>2012, 2016</td>
<td>Terminated</td>
</tr>
</tbody>
</table>

#### Activities

- **Research Collaborations:**
  - Collaboration with Sophia University, Japan
  - Collaboration with Chulalongkorn University, Thailand
  - Collaboration with National University of Singapore, Singapore
  - Collaboration with Rutgers University, USA

### Palaeoenvironmental and biodiversity study of Mindoro Island: An archaeological science initiative

<table>
<thead>
<tr>
<th>Authors</th>
<th>Title</th>
<th>Year</th>
<th>Publication Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mijares, Armand Salvador</td>
<td>Palaeoenvironmental and biodiversity study of Mindoro Island: An archaeological science initiative</td>
<td>2012, 2016</td>
<td>Terminated</td>
</tr>
</tbody>
</table>

#### Activities

- **Documentary Film:**
  - Documentary film titled "Developing Archaeological Science: The Aklan Survey" in collaboration with Film Institute

---

![Image of a document page](image-url)


Acda MN. 2016. Fast growing plantation tree species as fuel pellets in the Philippines. Agriculture, Science, researchers. 4 Years 2015-2019 18,003,000.00 Terminated
One of health benefits action research: Towards a gendered universal health care sectoral model utilizing an information Technology System

Clarksville, Isleya et al. 2013: DIL

Health care practitioners, UP employees, researchers

2 Years

2015

Terminated

Research partnership agreement with DHQ, Indigenous Drugs Board, treatment and rehabilitation centers.

Training curriculum/module for community volunteers and treatment providers.

Preparation of a software/program that aids in data collection and analysis

Community-based treatment model for drug users

Terminated 19,999,855.92

2017

9,979,732.00

6,535,650.00

MAN

2016

2013

2014

2015

1

2

2015

Setting up of the One UP health website

Key informant interviews with Barangay UP, UP HRDO, UHS, GSIS, SSS, PhilHealth, PCSO

[Output of project is a policy paper submitted to data privacy commission, GSIS, SSS, PhilHealth, and UP (future health centers)]

Towards an enhanced health care system by community-managed health programs (CMHPs) to achieve better health outcomes: A community participatory research for advocacy to local government units (LGUs) 1

Mt. Tapyas Co., Inc. 2013: DIL

Researchers, health care providers, local government units, researchers

4 Years

2014

2016

19,999,855.92

Terminated

Establishment of Best Practice Guidelines for the management of the common community diseases

Agricultural Systems Cluster

2016

2018

2019

Garcia, Jose Nestor et al. 2016: DIL

Livestock, Fisheries, Industry

2 Years

2018

Terminated

Terminated

Manuscripts being prepared for publication


De Chavez, HD; Villacencio, EB; Villancio, VT; Garcia, JNM. 2017. Characterization, production and utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) plant parts subjected to boiling and fermentation. Manuscripts being prepared for publication in Acta Medica Philippina.

De Chavez, HD; Villacencio, EB; Villancio, VT; Garcia, JNM. 2017. Characterization, production and utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) plant parts subjected to boiling and fermentation. Manuscripts being prepared for publication in Acta Medica Philippina.

De Chavez, HD; Villacencio, EB; Villancio, VT; Garcia, JNM. 2017. Characterization, production and utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) plant parts subjected to boiling and fermentation. Manuscripts being prepared for publication in Acta Medica Philippina.

De Chavez, HD; Villacencio, EB; Villancio, VT; Garcia, JNM. 2017. Characterization, production and utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) plant parts subjected to boiling and fermentation. Manuscripts being prepared for publication in Acta Medica Philippina.

De Chavez, HD; Villacencio, EB; Villancio, VT; Garcia, JNM. 2017. Characterization, production and utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) plant parts subjected to boiling and fermentation. Manuscripts being prepared for publication in Acta Medica Philippina.

De Chavez, HD; Villacencio, EB; Villancio, VT; Garcia, JNM. 2017. Characterization, production and utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) plant parts subjected to boiling and fermentation. Manuscripts being prepared for publication in Acta Medica Philippina.

De Chavez, HD; Villacencio, EB; Villancio, VT; Garcia, JNM. 2017. Characterization, production and utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) plant parts subjected to boiling and fermentation. Manuscripts being prepared for publication in Acta Medica Philippina.
Mateo JM, Villavicencio ML, Ignacio RM, Villancio VT, Bulatao MJ, De Chavez H, Garcia JNM. Survey of insect pests and diseases of gabi (San Fernando) Xanthosoma sagittifolium L. J. Schott. Farmers and its potential as food and feed substitute for cassava (Manihot esculenta Crantz) (Submitted to Philippine Journal of Crop Science).

Bifurcations in laser networks with Sn symmetry
Collera, Juancho
CS
Dept. of Mathematics and Computer Science
Researchers, academe
2 Years
2016 - 2018
1,000,249.88
Completed

Identifying transaction costs and assessing their effects in agriculture: The case of farmers’ market participation in the Philippine rice sector
Cuevas, Agham
CEM
Dept. of Economics
Farmers, non-producers, entrepreneurs, researchers
2 Years
2016 - 2018
2,241,083.08
Completed

Assessment of the effects of combining biochar fertilizer and vermicompost on soil quality and crop production
Aggangan, Nelly
NIMBB
BIOTECH
Farmers, researchers, agriculture industry
3 Years
2015 - 2018
10,500,000.00
Ongoing

Analysis of susceptibility variants (Single Nucleotide Polymorphisms or SNPs) in candidate genes to unravel the genetic basis of pre-eclampsia (pregnancy-induced hypertension) among Filipino women
Saloma, Cynthia
DIL
CS
NIMBB
General public, health/medical practitioners, researchers
2 Years
2014 - 2016
5,684,600.00
Terminated

Recombinant protein expression and immunological characterization of de-antigenized human influenza H3 hemagglutinin
Rivera, Windell
DIL
CS
IB
General public, pharmaceutical companies, researchers
4 Years
2014 - 2018
16,346,364.00
Ongoing

Exploring the molecular mechanisms underlying the stress response and interspecies interactions of the soft coral, Heliopora coerulea
Conaco, Ma. Cecilia
DIL
CS
MSI
Researchers, academe
2 Years
2014 - 2016
5,225,670.00
Completed

Effects of shaped filler reinforcement on the diffusion behavior of liquids in polymer composites
Pajarito, Bryan
DIL
CEngg
Dept. of Chem Engineering
Researchers, industry
2 Years
2015 - 2016
2,095,860.00
Completed

Effects of shaped filler reinforcement on the diffusion behavior of liquids in polymer composites
Pajarito, Bryan
DIL
CEngg
Dept. of Chem Engineering
Researchers, industry
2 Years
2015 - 2016
2,095,860.00
Completed

Plasmid expansion using E. coli NovaBlue strain
Propagation of induced transfected-Drosophila S2 cells

Developed an assembly of the H. coerulea reference transcriptome, comparative gene complement and gene history analysis, differential gene expression analysis, description of the blue coral growth response under different temperatures and a year-long monitoring of in situ growth of H. coerulea colonies in Bolinao, Pangasinan

Patent application for Mykorich
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Investigator</th>
<th>Institution</th>
<th>Duration</th>
<th>Budget</th>
<th>Status</th>
<th>Publications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of a nanoparticle-based biosensor for the rapid detection of Enterococcus coli 0157:H7 strain</td>
<td>Fernando, Lilia</td>
<td>LB NIMBB BIOTECH</td>
<td>2 Years</td>
<td>2,499,800.00</td>
<td>Terminated</td>
<td>Submitted a manuscript to NERBA for review.</td>
</tr>
<tr>
<td>Protein engineering of the major storage protein ogmungbean enhanced with bioactive peptides exhibiting hypocholesterolemic activity</td>
<td>Salvador-Amores, Analyn</td>
<td>BAG CSS Dept. of Social Anthropology</td>
<td>2 Years</td>
<td>5,327,000.00</td>
<td>Ongoing</td>
<td>Extended until December 2018</td>
</tr>
<tr>
<td>Mathematical modeling of phylogenetic trees and networks of languages in the greater central Philippines by a reducible sensitive metric</td>
<td>Lemence, Richard</td>
<td>DIL CS Institute of Mathematics</td>
<td>2 Years</td>
<td>9,393,000.00</td>
<td>Ongoing</td>
<td>Extended until March 2019</td>
</tr>
<tr>
<td>Isolation and characterization of Cordillera textiles</td>
<td>Salvador-Amores, Analyn</td>
<td>BAG CSS Dept. of Social Anthropology</td>
<td>2 Years</td>
<td>4,917,000.00</td>
<td>Ongoing</td>
<td>Developed a catalogue of Cordillera textiles currently housed at the Museo Kordilyera in Baguio. Designed a portable reflectance transformation imaging (RTI) setup.</td>
</tr>
<tr>
<td>Protein engineering of the major storage protein ogmungbean enhanced with bioactive peptides exhibiting hypocholesterolemic activity</td>
<td>Salvador-Amores, Analyn</td>
<td>BAG CSS Dept. of Social Anthropology</td>
<td>2 Years</td>
<td>4,917,000.00</td>
<td>Ongoing</td>
<td>Developed a catalogue of Cordillera textiles currently housed at the Museo Kordilyera in Baguio. Designed a portable reflectance transformation imaging (RTI) setup.</td>
</tr>
<tr>
<td>Development of a nanoparticle-based biosensor for the rapid detection of Enterococcus coli 0157:H7 strain</td>
<td>Fernando, Lilia</td>
<td>LB NIMBB BIOTECH</td>
<td>2 Years</td>
<td>2,499,800.00</td>
<td>Terminated</td>
<td>Submitted a manuscript to NERBA for review.</td>
</tr>
</tbody>
</table>
## Bifurcation analysis of dengue transmission model in Baguio City, Philippines


## The analysis of Bernoulli free boundary problem using the velocity method and second-order perturbation of identity technique

Bacani, Jerico

<table>
<thead>
<tr>
<th>Department</th>
<th>Faculty</th>
<th>Title</th>
<th>Students/Researchers</th>
<th>Years</th>
<th>Total Budget</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept. of Mathematics and Computer Science</td>
<td>Researchers</td>
<td>The analysis of Bernoulli free boundary problem using the velocity method and second-order perturbation of identity technique</td>
<td></td>
<td>2014</td>
<td>2,086,546.00</td>
<td>Completed</td>
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</table>


## Overexpression, purification and characterization of a recombinant thermo-stable endoglucanase for effective hydrolysis of lignocellulosic materials

Tambalo, Richard

<table>
<thead>
<tr>
<th>Department</th>
<th>Faculty</th>
<th>Title</th>
<th>Students/Researchers</th>
<th>Years</th>
<th>Total Budget</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotech</td>
<td>Fuel industry, researchers</td>
<td>Overexpression, purification and characterization of a recombinant thermo-stable endoglucanase for effective hydrolysis of lignocellulosic materials</td>
<td></td>
<td>2014</td>
<td>2,500,000.00</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

Invention disclosure for “A recombinant thermo-acid stable endoglucanase for potential application in the high temperature-acid hydrolysis of lignocellulosic materials”

Patent application to be filed for “Use of thermo-acid stable endoglucanase in the high temperature-acid hydrolysis of lignocellulosic materials”

## Development of scale-up production methodologies for recombinant enzymes towards commercialization

Garcia, Roberta

<table>
<thead>
<tr>
<th>Department</th>
<th>Faculty</th>
<th>Title</th>
<th>Students/Researchers</th>
<th>Years</th>
<th>Total Budget</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institute of Plant Breeding</td>
<td>Farmers, researchers, industry</td>
<td>Development of scale-up production methodologies for recombinant enzymes towards commercialization</td>
<td></td>
<td>2015</td>
<td>9,058,808.00</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

## Philippine performance archive: Ritual, dance, theatre

Ick, Judy Celine

<table>
<thead>
<tr>
<th>Department</th>
<th>Faculty</th>
<th>Title</th>
<th>Students/Researchers</th>
<th>Years</th>
<th>Total Budget</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept. of English and Comparative Literature</td>
<td>Academics, students</td>
<td>Philippine performance archive: Ritual, dance, theatre</td>
<td></td>
<td>2016</td>
<td>19,715,132.00</td>
<td>Terminated</td>
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<table>
<thead>
<tr>
<th>Item</th>
<th>Reference</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Ick, Judy Celine. “The Forests of Silence: Global Shakespeare in the Philippines, the Philippines in Global Shakespeare” Shakespeare 71 (September 2018), pp. 24-34.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Ick, Judy Celine. “Performing like a Concert King or a Concert Queen: Compensatory aesthetics in producing an Original Filipino Musical. Philippine Handbook of Musical Theatre Producers, ed. Laura MacDonald and William Everett. Reg屋子 Macmillan, 449-458. (Book Chapter)</td>
<td></td>
</tr>
</tbody>
</table>


Retana, Wenceslao E. Noticias Historico-bibliograficas de el teatro em Filipinas desde sus origins hasta 1898 (1909) translated by Prof. Anna Maria Yglopaz.

Barrantes, Vicente. El Teatro Tagalo (1889). Translated by Prof. Elvin Ebreo.

Molecular and culture-based characterization of bacterial community from Manleluag Alkaline Spring in Pangasinan

Lantican, Nacita

Institute of Biological Sciences

Researchers

2 Years

2015 - 2017

7,473,016.00

Terminated

Collection of bacteria which can produce enzymes and/or bioactive compounds of industrial importance;

Experimental protocol on next-generation sequencing of metagenomic 16S rDNA for bacterial community profiling.

Experimental protocol on metaproteomic analyses of bacterial communities. Bioinformatic analyses pipeline for next-generation sequencing and metaproteomic data.

Laboratory-scale optimization and production, and downstream processing protocols for enzymes and/or bioactive compounds.

Creating cost-effective sensors and devices to understand climate change in the Philippines using archaeological and present data

Estacio, Elmer

DIL

CS

NIP

Researchers, academe

2 Years

2016 - 2018

15,102,773.08

Ongoing

Extended until March 2019


Ten years after the Millennium Ecosystem Assessment of Laguna de Bay: Towards a sustainable future

Espaldon, Ma. Victoria

LB

SESAM

General public,
LGUs, LLDA,
researchers,
students

2 Years

2015 - 2017

9,930,328.00

Terminated

Mentoring of graduate students from UP NIGS and UPLB SESAM
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Investigator</th>
<th>Institution</th>
<th>Participants</th>
<th>Duration</th>
<th>Funding</th>
<th>Status</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hosting of three fellows from the Pan Asia Risk Reduction Fellowship Program</td>
<td>Lloreda, Arturo</td>
<td>CSSP</td>
<td>Researchers</td>
<td>2 Years</td>
<td>$886,976.80</td>
<td>Terminated</td>
<td></td>
</tr>
<tr>
<td>Convened a science and policy forum with the Laguna de Bay stakeholders</td>
<td>Lloreda, Arturo</td>
<td>CSSP</td>
<td>Researchers, Laguna stakeholders, national agencies, general public</td>
<td>2 Years</td>
<td>$2,074,608.80</td>
<td>Terminated</td>
<td></td>
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<tr>
<td>The mass transit system in Metro Manila: From tranvia to MRT, 1879-2014</td>
<td>Lluisma, Arturo</td>
<td>DIL</td>
<td>Researchers, public, health practitioners, national agencies, general public</td>
<td>2 Years</td>
<td>$3,186,624.00</td>
<td>Terminated</td>
<td></td>
</tr>
<tr>
<td>Terminated</td>
<td>Lluisma, Arturo</td>
<td>DIL</td>
<td>Researchers, public, health practitioners, national agencies, general public</td>
<td>2 Years</td>
<td>$3,186,624.00</td>
<td>Terminated</td>
<td></td>
</tr>
<tr>
<td>Conus structural exogenomics program</td>
<td>Lluisma, Arturo</td>
<td>DIL</td>
<td>Researchers, national agencies, policy makers</td>
<td>2 Years</td>
<td>$9,385,376.00</td>
<td>Terminated</td>
<td></td>
</tr>
<tr>
<td>Launched a video documentary entitled &quot;Tranvia: Ang Mga Riles ng Kamaynilaan&quot;</td>
<td>Lluisma, Arturo</td>
<td>DIL</td>
<td>Researchers, students</td>
<td>2 Years</td>
<td>$8,954,794.00</td>
<td>Ongoing</td>
<td>Extended until October 2018</td>
</tr>
<tr>
<td>Philodendron and Functional Characterization of Novel Epitopes in Solid Tumor Prognosis and Cell Survival Pathways among Filipino Young-Onset Colorectal Cancer Patients</td>
<td>Lluisma, Arturo</td>
<td>DIL</td>
<td>Researchers, national agencies, policy makers</td>
<td>2 Years</td>
<td>$3,374,136.00</td>
<td>Terminated</td>
<td></td>
</tr>
<tr>
<td>Forest Canopy Observation, Positioning and Investigation (Forest CANOPI) Program</td>
<td>Bantayan, Nathaniel</td>
<td>CFNR</td>
<td>LGUs, national agencies, academe, researchers</td>
<td>2 Years</td>
<td>$9,909,703.00</td>
<td>Terminated</td>
<td>Extended until November 2018</td>
</tr>
<tr>
<td>Development of bioactive cyclotides from Philippine biodiversity</td>
<td>Hernandez, Cristina</td>
<td>DI</td>
<td>Researchers, students</td>
<td>2 Years</td>
<td>$7,880,968.00</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>Towards a molecular level understanding of essential oil-protein interactions and their applications as insect biocontrol agents</td>
<td>Junio, Hiyas</td>
<td>DIL</td>
<td>Researchers, academe</td>
<td>2 Years</td>
<td>$10,159,000.00</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>Recombinant buffalo antibodies as a resource for diagnostics and therapeutics: Proof of concept and applications in Schistosomiasis</td>
<td>Opulencia, Rina</td>
<td>LB</td>
<td>Researchers, health/medical practitioners, researchers</td>
<td>2 Years</td>
<td>$4,639,840.00</td>
<td>Ongoing</td>
<td>Extended until November 2018</td>
</tr>
<tr>
<td>Recombinant buffalo antibodies as a resource for diagnostics and therapeutics: Proof of concept and applications in Schistosomiasis</td>
<td>Opulencia, Rina</td>
<td>LB</td>
<td>Researchers, health/medical practitioners, researchers</td>
<td>2 Years</td>
<td>$4,639,840.00</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>Forest Canopy Genomics Workshop</td>
<td>Lloreda, Arturo</td>
<td>DIL</td>
<td>Researchers, students</td>
<td>2 Years</td>
<td>$6,966,006.80</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>Learning tourism destinations: Creating functional partnerships and initiating positive change for sustainable tourism development in local economies</td>
<td>Mena, Miguela</td>
<td>AIT</td>
<td>General public, LGUs, national agencies, academe</td>
<td>2 Years</td>
<td>$5,456,000.00</td>
<td>Ongoing</td>
<td>Extended until November 2018</td>
</tr>
<tr>
<td>Characterization and Functional Characterization of Novel Epitopes in Solid Tumor Prognosis and Cell Survival Pathways among Filipino Young-Onset Colorectal Cancer Patients</td>
<td>Mena, Miguela</td>
<td>AIT</td>
<td>General public, LGUs, national agencies, academe</td>
<td>2 Years</td>
<td>$5,456,000.00</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>Characterization and Functional Characterization of Novel Epitopes in Solid Tumor Prognosis and Cell Survival Pathways among Filipino Young-Onset Colorectal Cancer Patients</td>
<td>Mena, Miguela</td>
<td>AIT</td>
<td>General public, LGUs, national agencies, academe</td>
<td>2 Years</td>
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<td>Ongoing</td>
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<tr>
<td>Characterization and Functional Characterization of Novel Epitopes in Solid Tumor Prognosis and Cell Survival Pathways among Filipino Young-Onset Colorectal Cancer Patients</td>
<td>Mena, Miguela</td>
<td>AIT</td>
<td>General public, LGUs, national agencies, academe</td>
<td>2 Years</td>
<td>$5,456,000.00</td>
<td>Ongoing</td>
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<tr>
<td>Characterization and Functional Characterization of Novel Epitopes in Solid Tumor Prognosis and Cell Survival Pathways among Filipino Young-Onset Colorectal Cancer Patients</td>
<td>Mena, Miguela</td>
<td>AIT</td>
<td>General public, LGUs, national agencies, academe</td>
<td>2 Years</td>
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<td>General public, LGUs, national agencies, academe</td>
<td>2 Years</td>
<td>$5,456,000.00</td>
<td>Ongoing</td>
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<tr>
<td>Title</td>
<td>Principal Investigator(s)</td>
<td>Funding Agency</td>
<td>Duration</td>
<td>Total Budget (Philippines)</td>
<td>Status</td>
<td>Additional Details</td>
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<tr>
<td>From genes to ecosystems: Understanding fruit bat species and genetic diversity and its ecological interactions with plants in tropical lowland forests, Palanan, Isabela, Philippines</td>
<td>Ong, Perry</td>
<td>CS Institute of Biology</td>
<td>2 Years</td>
<td>10,351,180.00 *13,496,462.20</td>
<td>Terminated</td>
<td>Paper has been accepted in conference proceedings, CSGEP 2018 Conference Proceedings (Print ISSN: 2301-3761, E-periodical: 2301-377X) at <a href="http://chemistry-conf.org/accepted-papers/">http://chemistry-conf.org/accepted-papers/</a></td>
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<tr>
<td>Crowdsourced sensing for student engagement in science education (CrowdSSENSE)</td>
<td>Lamorena-Lim, Rheo</td>
<td>CS Institute of Chemistry</td>
<td>2 Years</td>
<td>7,723,672.00</td>
<td>Terminated</td>
<td>Fabrication of sensing functionality from identified parts and generated designs</td>
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<tr>
<td>Equitable pulling sustainable development at the center of the Asia Century</td>
<td>Raquiza, Antoinette</td>
<td>CG Institute Center</td>
<td>2 Years</td>
<td>5,449,780.00</td>
<td>Terminated</td>
<td>Public forum on comparative politics and equitable development between the Philippines and Thailand</td>
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<tr>
<td>TiO2 based nanomaterials and nanocomposites as photoelectrocatalysts for the removal and sensing of synergistic organic pollutants</td>
<td>Yago, Allan Christopher</td>
<td>CS Institute of Chemistry</td>
<td>2 Years</td>
<td>13,082,004.00 *2,534,004.00</td>
<td>Terminated</td>
<td>Mentoring of 1 MS student</td>
<td></td>
</tr>
</tbody>
</table>

International Conferences with Peer-reviewed Proceedings

Integrative genomics analysis workbench for rice

Yap, Jan Michael

ITG, Dept. of Computer Science

Manir, researchers, industry

2 years

2015

2017

582,009.00

*536,683.80

Terminated


1

Control aspects of the cardiovascular respiratory

system

De los Reyes, Aurelio V

ITM, Institute of Mathematics

Scientists, physicians, researchers

2 years

2015

2017

1,441,706.80

*960,964.80

Terminated


1

Presentation in international conferences

Conduction in disordered materials in the low-frequency region

Tapia, Alvin Karlo

CAS, Institute of Mathematical Sciences and Physics

Researchers, academy

2 years

2015

2017

2,211,000.00

*291,325.00

Completed


2

Conducted a workshop on THz spectroscopy

On the decomposition of matrices related to symmetric or skew symmetric bilinear forms and its relation to some known matrices

De la Cruz, Ralph John

ITM, Institute of Mathematics

Researchers, academy

2 years

2016

2018

1,555,200.00

Terminated

De la Cruz RJ, Merino DI, Paras AT. 2017. Skew phi polar decompositions. Linear Algebra and its Applications 531, 129-140.

De la Cruz, RJ, Granario, DQ. 2018. Product of Sympletic normal matrices. Linear Algebra and its Applications 543, 162 - 172.

Wavefront Engineering Research: Suppression of spurious diffraction orders

Hilario, Paul Leonard Atchong

ITG, Dept. of Electrical Engineering

Researchers, academy

2 years

2015

2017

2,500,000.00

Terminated

Philippine Studies on Primary Care-Pilot study in UP Diliman

Dans, Antonio Miguel

CM, College of Medicine

Researchers, academy

2 years

2015

2017

16,013,212.00

Ongoing

Extended until December 2018

1

Submitted article to Asia Pacific Journal of Public Health for review
Interdisciplinary research on arts and culture of the Philippines

Buenconsejo, Jose
College of Music
Dept. of Musicology

General public, researchers, academe

4 Years

2015 - 2017

6,235,664.00

Interdisciplinary research on arts and culture of the Philippines

Regarded "Saysay Himig" and "Putri Anak" as the Cultural Center of the Philippines.

Two manuscripts (Saysay Himig & Philippine Modernities: 1880-1990) have been accepted for publication by the UP Press.


Maranan, Ed. Libretto of Diwata ng Bayan.

Sinco, Carmela. Music of Diwata ng Bayan (conductor's score and parts and piano vocal score).

Villasis, Enrique and Juan Ekis. "Original" (TEXT) of Putri Anak de la Peña, Verne. Music of Putri Anak

Multimedia and multidisciplinary teaching and learning materials

Alfonso, Grace

Students, academe

1 Year

2015 - 2016

9,500,000.00

Completion

Production of 100 Master Voices (multimedia materials for GE courses). Some of the videos are already available at TVUP (tvup.ph)

VIDEOS (TVUP)

Philippine Arts and Culture

1. Danas na Ganap (Glecy Atienza)
2. Myth and Creative Imagination (Jose Neil Garcia)
3. Creative Writings in the Digital Age (Jose Wendell Capis)
4. How I Write Stories (Jose Dalisay Jr.)
5. Manuel Conde: Defining Cinema for the Filipino (Nicanor Tiongson)
6. Film Literacy and Criticism (Roland Tolentino)
7. Sining at Nasyonalismo (Neil Doloricon)
8. Philippine Arts and Culture in the Socio-historical Context of Nation, Region, and Globalization (Reuben Cañete)
9. What is Filipino Design, or Is There One at All? (Leonardo Rosete)
10. Learning with Puppets: Educating through Theater (Amihan Ramolete)
11. Ecocriticism (Framing Disaster: Position and Tropes) (Flaudette Datuin)
12. Rizal Monuments and the Filipino Diaspora (Roberto Paulino)
13. Cultural Performances in the Philippines (Anril Tiatco)
14. Philippine Arts and Culture/Women in the Arts (Brenda Fajardo)
15. Postcolonial Paths to Constructing the Nation/Bayan (Priscelina Patajo Legasto)
16. Pag-aapuhap sa Genoa, Pag-aapuhap ng Sarili (Luna Sicat Cleto)
17. Ang Pelikula Bilang Lunsaran ng Makabukuhang Pagaaral at Pagsusuri ng Kasaysayan at Lipunang Filipino (Rommel Rodriguez, Yason Banal, Carlos Gabriel Pangilinan)
18. Wika, Kultura, at Lipunan
1. Labintatlong Tesis Hinggil sa Wikang Pambansa (Ramon Guillermo)
2. Kung Paano Iniligaw ako ng Wikang Ingles at Paano Ko Natuklasan ang Aking Sarili Bilang Pilipinong Manunulat (Bienvenido Lumbera)
3. Wikang Filipino sa Panahon ng Internasyonal at Globalisasyon (Crisanta Flores)
4. Ang Pambansa Wika Mula Mahathiragawa sa Perspektiwa (Ma. Althea Enriquez)
5. Bisa ng mga Saliksiks at Malikhaing Akda (Raniela Barbaza)
6. Wika, Nasyonalismo, at Panlipunang Katarungan (Gonzalo Campoamor II)
7. Papel ng mga Wika sa Pilipinas at Ilang mga Bansa sa Pagkakaisa, Pagunlad at Kaayusan sa Lipunan (Pamela Constantino)
8. Pagsulat at Pananaliksik sa Wikang Filipino (Luna Sicat Cleto, Clemen Aquino, Rommel Rodriguez)

Probing the Physical World
1. Fossils as Clues to Earth and Ocean History (Alyssa Alampay)
2. Marine Sponges and Climate Change (Cecilia Conaco)
3. Watershed Approaches to Integrated Local and Regional Development Planning (Rex Victor Cruz)
4. How the Philippine Island Arc System was Formed (Carla Dimalanta)

Living Systems: Concepts and Dynamics
1. Living Systems: The Ocean and Us (Rhodora Azanza)
2. What is a Species, Really? (Ian Kendrich Fontanilla)
3. Bio-Molecules and Sustainability (Saudie Cruz)
4. Biodiversity and Drug Discovery Research on Marine Organisms from the Philippines (Rudy Lucas - Wts Brgy Ang Bagtaw - Para sa Bayan)
5. Dynamics in Population (Benny Lyn Sapu)
6. Role of Keystone Species (Virgilio Cayuca)
7. Biotechnology for Food Security (Ghenny Mae Mendez)
8. The Bio-Foundation for Conserving Philippine Biodiversity (Perry Oring)

Math, Culture, and Society
1. Origami and Mathematics (Rene Felix)
2. Mathematics is a Language, a Tool, and a Way of Looking (Fidel Nemenzo)
3. The Cardinality of Infinite Sets (Marian Roque)
4. Hairy Balls and Donuts: Welcome to the Fascinating World of Geometry (Jose Maria Balmaceda)
5. The Math Behind Arts and Humanities (Aleli Domingo, Gary Granada)
6. The Math Behind Arts and Humanities (Aleli Domingo, Gary Granada)

Critical Perspectives in Communication
1. C4D: Alternative Communication Perspectives (Alexander Flor)
2. Philippine Critical Studies of Discourse (Alwin Aguirre)
3. The Political Economy of the Media: A Critical Perspective (Luis Teodoro)
4. Killing the Messenger (Georgina Encanto)
5. Understanding the MDC Contagion (Felix Librero)
6. Art, Science, and Ethics in Communication Study (Berta Perez)
7. Constructing Colonial Culture by Radio (Elizabeth Zabala)
3. Self And Society: The Philippine Context (Carolyn Sobritchea)

1. Saan Ka, Babae? (Ma. Luisa Camagay)
2. Ang Panahon ng Kalamba: Mula Propaganda Tungong Rebelasyon (Ferdinand Llanes)
3. The Japanese Occupation: Cultural Dimension (Ricardo Jose)
5. The Meaning of History (Ma. Luisa Camagay, Ferdinand Llanes, Ricardo Jose)

Ethics and Moral Reasoning in Everyday Life
1. Surgical Innovation: Physician and Patient Perspective (Jose Florencio Lapeña Jr.)
2. Morality in Everyday Life (Peter Sy)
3. Moral Reasoning and Normativity (Zosimo Lee)

Science, Technology and Society
1. Strengthening Philippine Corn Germplasm Through Grain Quality Enhancement (Tonette Laude)
2. Forensic DNA Technology: A Powerful Tool for Judicial Reform (Corazon De Ungria)
3. General Antonio Luna: His Doctoral Thesis and the Emerging International Research Program on Malaria (Benjamin Vallejo)

Knowledge Festival
2. Promoting Rice and White Corn Combination as Food Staple for Filipinos (Aurora Libardo)
3. Project SIAME (Smarter Approaches in Reintegrating Agriculture as an Industry) in the Philippines (Dr. Victoria O. Espaldon)
4. Versatile Instrument System for Science Education and Research: Sensors and Modules (VISSER:SM) (Giovanni A. Tapang)
5. Towards Good Water Governance for Development: A Multi-Case Analysis (Agnes Rola)
6. RxBox 2: Integrating Medical Devices in the National Telehealth Service Program - Project 3 - Field Deployment of Telemedicine Devices (Portia Grace Marcelo)
7. Our Innovative "Lab-in-a-Mug" Technology (Raul Destura)
8. Why the Arts Should Matter (Butch Dalisay Jr.)
9. UP BGC as Knowledge Center (Arnel Casanova)
10. The Mind Museum (Maria Isabel Garcia)
11. Hazard Vulnerabilities of the Public School System: Communicating Data and Science (Ernesto Pernia)
12. Fostering and Sustaining Innovation and Creativity in an Academy-Based Research Group (Arnel Salvador)
13. Culture, Creativity and Innovation (Opheldis Pascual)
<p>| UP Wellness Initiative for Seniors and Elders | De la Vega, Shelly Ann | College of Medicine | UP wellness initiative for seniors and elders | UP employees, health/medical practitioners, researchers, national agencies | 2 Years | 2016 | 2018 | 19,820,880.00 | Ongoing |
| Promoting rice and white corn combination as food staple for Filipinos | Gloss, Jocelyn | Institute for Governance and Rural Development | General public, researchers, NGOs, national agencies | 2 Years | 2015 | 2017 | 13,605,000.00 | Terminated |
| University of the Philippines in the last two decades | Barrios, Ernie | School of Statistics | General public, researchers, academe, national agencies | 1 Year | 2016 | 2017 | 5,464,645.00 | Terminated |
| Literacy, literature and translation for people empowerment program | Tolentino, Roland | College of Medicine | Researchers, academe | 2 Years | 2016 | 2018 | 6,070,000.00 | Terminated |</p>
<table>
<thead>
<tr>
<th>Event</th>
<th>Details</th>
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<tbody>
<tr>
<td>UP and Ateneo Professors to discuss Science Fiction in Second Interdisciplinary Book Forum on April 21</td>
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<tr>
<td>Glimpses: One Writer’s Journey: A Lecture and Reading by Luis H. Francia</td>
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<td>Kritika Kultura Lecture Series presents Arthuro Hernandez</td>
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<tr>
<td>15 Fellows to the 15th Ateneo National Writers Workshop</td>
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<tr>
<td>Forum Kritika on Food Transformations: Eating and Wasting in the Anthropocene</td>
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<td>UP Key’s GODOT recreates chilling visit to a mental asylum</td>
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<td>NCCA: Pilipino Komiks Live with Darna &amp; Dyesebel</td>
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<td>NCCA: NCCA Statement on the Supreme Court Decision on the Torre de Manila Case</td>
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<td>RAPPLER: Interview with Virginia Almario, National Artist for Literature</td>
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<td>RAPPLER: Interview with F. Sionil Jose, National Artist for Literature</td>
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<td>RAPPLER: Interview with Cirilo Bautista, National Artist for Literature</td>
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<tr>
<td>RAPPLER: Interview with Edith Tiempo, National Artist for Literature</td>
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<td>RAPPLER: Interview with Bienvenido Lumbera, National Artist for Literature</td>
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**Communicating science and technology research and development at the University of the Philippines**

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Description</th>
<th>Duration</th>
<th>Funding</th>
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<tbody>
<tr>
<td>Pernia, Elena</td>
<td>DIL CMC</td>
<td>2016-2019</td>
<td>Ongoing</td>
<td>Foundation for a responsive and relevant science journalism</td>
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<td>Project Title</td>
<td>Investigator</td>
<td>Organization</td>
<td>Funded Communities</td>
<td>Public Impact</td>
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<tr>
<td>Promoting sustainable tourism in the small islands of the Visayas</td>
<td>Fernandez, Cheryl Joy</td>
<td>CM</td>
<td>LGUs, coastal and rural communities, researchers, academe</td>
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<tr>
<td>Zinc-air battery: Oxygen electrocatalyst research and prototype design and development</td>
<td>Ocon, Joey</td>
<td>DIL</td>
<td>Researchers</td>
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<td>Development of in vivo and in vitro models for the study of endometriosis in the Philippines</td>
<td>Velarde, Michael</td>
<td>DIL</td>
<td>Researchers</td>
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<td>Structural and kinetic studies of carbohydrate- and enzyme-oligoosaccharides formed by Lactobacillus delbrueckii subsp. bulgaricus (DSM 20081)</td>
<td>Arreola, Sheryl Lozel</td>
<td>LB</td>
<td>Researchers</td>
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<td>Polydopamine nanocoatings and nanoparticles research for the target beneficial applications</td>
<td>Nuesca, Guillermo</td>
<td>DIL</td>
<td>Researchers</td>
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<td>How safe are our roads? The components of post-crash response, safe roads and safe vehicles in road management, road safety index, and road regulations and management in making our roads safer</td>
<td>Sigua, Ricardo</td>
<td>DIL</td>
<td>LGUs, researchers, academe</td>
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<td>Influences of maternal dietary intake and nutritional status on the microbiological and chemical compositions of breast milk from selected lactating Filipino women at 0 to 4 months postpartum</td>
<td>Gabriel, Alonzo A.</td>
<td>DIL</td>
<td>Researchers, academe</td>
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<td>Discovering the World of First Hominins in the Philippines: Geology, Paleoenvironment, Palaeoecology of Early Hominins in the Philippine Islands</td>
<td>Volmer, Rebekka</td>
<td>DIL</td>
<td>LGUs, researchers, academe</td>
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