

**EMERGING INTERDISCIPLINARY RESEARCH (EIDR) PROGRAM**  
As of 04 December 2017

Program	CU/College/ Unit	Name	Designation	Start Date			End Date			Program Title	Total Budget	Publications	Mentoring/No. of students graduated			Other Outputs
				Year	Month	Day	Year	Month	Day				UP System	BS/BA	MS/MA	
EIDR 1	DIL CS MSI	Yap, Maria Helena	Professor 12	2012	August	1	2016 2017	August December (extension)	1 31	Social-ecological resilience on different spatial and temporal scales (Emphasis on the coast)	12,758,792.00	Wagner A, Yap DLT and Yap HT. 2015. Drivers and consequences of land use patterns in a developing country. Agriculture, Ecosystems and Environment 39, 78-85.  Benjamin CS, Punongbayan AT, Dela Cruz DW, Villanueva RD, Baria MVB and Yap HT. 2016. Use of Bayesian analysis with individual-based modeling to project outcomes of coral restoration. Restoration Ecology, doi:10.1111/rec.12395.  Labao AB, Naval Jr PC, Yap DLT and Yap HT. 2017. Influencing rural livelihood switching through equipment assets for agroecosystems to alleviate pressure on resources. Agriculture, Ecosystems and Environment 248, 96-104.			2	Graduated 1 MS student from Karlsruhe Institute for Technology and 1 MS student from Ecole Normale Supérieure de Paris  ABS-CBN video on Abra de Ilog, Mindoro  MOU between UP and Ecotone Resilience
EIDR 1	MIN CHSS Humanities Department	Quintero, Genevieve	Associate Professor 2	2012	August	1	2014 2015	August July (extension)	1 31	HULLUBATON: Putting together the Mandaya Dawot	2,941,741.58				Audio files of the Hullubaton (Gambong and Lumungtd) and Hullubaton (Buyag and Sadya)  Video of the Mandaya Dawot  Five Hullubaton texts have been recorded, transcribed and written down  The Hullubatons have been translated into two languages: English and Visayan  Presentations in international conference	
EIDR 1	LB CPAf Institute for Governance and Rural Development	Rola, Agnes	Professor	2012	August	1	2016 2017	August August (extension)	31 30	Towards good water governance for development: A multi-case analysis	18,454,365.60	Pintor LL, Dizon JT, Rola AC, Quimbo MT and Dinh Ha Q. 2013. Allocation and usage of water for irrigation water governance in Sta. Cruz River watershed, Laguna, Philippines. International Journal of Ecology and Conservation 7, 70-87.  Hall R, Lizada J, Dayo MH, Abansi C, David M and Rola A. 2015. To the last drop: The political economy of Philippine water policy. Water Policy 17, 946-962. Doi: 10.2166/wp.2015.150.			3	Mentoring of 3 PhD students  Assisted the river councils in Benguet and Laguna in the preparation of their water management plans

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											<p>Rola AC, Pulhin JM, Tabios GQIII, Lizada JC and Dayo MHF. 2015. Challenges of water governance in the Philippines. Philippine Journal of Science 144, 197-208.</p> <p>Rola AC, Abansi CL, Arcala-Hall R, Lizada JC, Siason IML and Araral EKJr. 2015. Drivers of water governance reforms in the Philippines. International Journal of Water Resources Development 32, 135-152. Doi:10.1080/07900627.2015.1060196.</p> <p>Rola AC, Abansi CL, Arcala-Hall R and Lizada JC. 2016. Characterizing local water governance structure in the Philippines: Results of the water managers' 2013 survey. Water International 41, 231-250. Doi:10.1080/02508060.2015.1113078.</p> <p>Abansi CL, Doble MCC, Cariño JK and Rola AC. 2016. Beyond prices: The cultural economy of water in the Cordillera highlands of Northern Luzon, Philippines. Asia Pacific Viewpoint 57, 280-293. Doi:10.1111/apv.12126.</p>				<p>Institutionalization of the Balili River System Revitalization Coalition (BRSRC)</p> <p>Proposed the revitalization of the Tigum-Aganan Watershed Management Board (TAWMB)</p> <p>Sta. Cruz watershed stakeholders to prepare an investment plan on solid waste management</p> <p>Presentation of the project findings to Congress</p>	
EIDR 1	MAN CAS DPSM	Billones, Junie	Professor 1	2012	September	1	2016 2017	August August (extension)	31 31	Computer-aided discovery of compounds for the treatment of tuberculosis in the Philippines	38,221,750.00	<p>Billones JB, Carrillo MCO, Organo VG, Macalino SJY, Emnacen IA and Sy BA. 2013. Virtual screening against <i>Mycobacterium tuberculosis</i> Lipoate Protein Ligase B (<i>Mtb</i> LipB) and <i>In Silico</i> ADMET Evaluation of Top Hits. Oriental Journal of Chemistry 29, 1457-1468.</p> <p>Billones JB and Valle AMF. 2014. Structure-based design of inhibitors against maltosyltransferase GlgE. Oriental Journal of Chemistry 30, 1137-1145.</p>	26	1	<p>Set up of synthesis laboratory in UP Manila</p> <p>Set up of computational facilities in UP Manila</p>	
												<p>Clavio NAB and Billones JB. 2014. Virtual screening against <i>Mycobacterium tuberculosis</i> isocitrate lyase and <i>in silico</i> ADME-Tox evaluation of top hits. Journal of Chemical and Pharmaceutical Research 6, 727-738.</p> <p>Billones J, Carrillo MC, Organo V, Macalino SJ, Emnacen I and Sy JB. 2014. Virtual screening against <i>M. tuberculosis</i> 7,8-Diaminopelargonic Acid Synthase (<i>Mtb</i> BioA) and <i>In Silico</i> Toxicity Evaluation of Top Hits. Current Enzyme Inhibition 10, 105-112.</p>			<p>Establishment of a computer-aided drug discovery and development research group in UP Manila</p> <p>Research collaborations with Sophia University, Japan; Chulalongkorn University, Thailand; National University of Singapore, Singapore; Rutgers University, USA</p>	

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											<p>Sampaco A-RB III and Billones JB. 2015. Virtual screening of natural products, molecular docking and dynamics simulations on <i>M. tuberculosis</i> S-adenosyl-L-homocysteine Hydrolase. <i>Oriental Journal of Chemistry</i> 31, 1859-1865.</p> <p>Vios VSL and Billones JB. 2015. Cluster and multi-linear regression analyses guided identification of molecular descriptors that account for cyclooxygenase activities. <i>Journal of Chemical and Pharmaceutical Research</i> 7, 735-742.</p> <p>Billones JB, Carrillo MCO, Organo VG, Macalino SJY, Sy JBA, Emnacen IA, Clavio NAB and Concepcion GP 2016. Towards antituberculosis drugs: in silico screening of synthetic compounds against <i>Mycobacterium tuberculosis</i> L,D-transpeptidase 2. <i>Drug Design, Development and Therapy</i> 10, 1147-1157.</p>					
EIDR 1	DIL ASP	Mijares, Armand Salvador	Associate Professor 7	2012	September	1	2016 2018	August February (extension)	31 28	Palaeoenvironmental and biodiversity study of Mindoro Island: An archaeological science initiative	24,243,944.00	<p>Porr M, Mijares ASB, Pawlik A, Piper P and Padilla SJr. 2012. North of the Southern Arc - The Mindoro Archaeological Research Program: A summary of the 2010 and 2011 fieldwork activities. <i>Australian Archaeology</i> 75, 110-117.</p> <p>Pawlik AF, Piper PJ, Faylona MGPG, Padilla SGJr, Carlos J, Mijares ASB, Vallejo BJr, Reyes M, Amano N, Ingicco T and Porr T. 2014. Adaptation and foraging from the Terminal Pleistocene to the Early Holocene: Excavation at Bubog on Ilin Island, Philippines. <i>Journal of Field Archaeology</i> 39, 230-247.</p> <p>Pawlik A, Piper P and Mijares ASB. 2014. Modern Humans in the Philippines: Colonization, Subsistence and New Insights into Behavioural Complexity. In M. Porr and R. Dennell (eds), <i>Southern Asia, Australia and the Search for Human Origins</i>, Cambridge Press, 135-147.</p> <p>Mijares ASB. 2015. Human Emergence and Adaptation to an Island Environment in the Philippine Paleolithic. In Kaifu et al. (eds), <i>Emergence and Diversity of Modern Human Behavior in Paleolithic Asia</i>. Texas A&amp;M University Press, 171-181.</p>		2	2	Documentary film titled "Developing Archaeological Science: The Aklan Survey" in collaboration with Film Institute

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											<p>Neri LAM, Pawlik AF, Reepmeyer C, Mijares ASB and Paz VJ. 2015. Mobility of early islanders in the Philippines during the Terminal Pleistocene/Early Holocene boundary: pXRF-analysis of obsidian artefacts. Journal of Archaeological Science 61, 149-157.</p> <p>Pawlik AF. 2015. Detecting Traits of Modern Behavior through Microwear Analysis. In Kaifu et al. (eds), Emergence and Diversity of Modern Human Behavior in Paleolithic Asia. Texas A&amp;M University Press, 183-198.</p> <p>Pawlik A. 2015. Vorgeschichte der Philippinen: Kulturelles Hinterland oder einfach nur paradiesisch? [Prehistory of the Philippines: Cultural backyard or simply paradisaial?]. In A. Reinecke and M. Tjoa-Bonatz (eds.), Im Schatten von Angkor: Archäologie und Geschichte Südasiens, Mainz: Philipp von Zabern, Germany, 21-29. ISBN: 9783805349222.</p>					
											<p>Pawlik A. 2015. Frühe Seefahrer: Die Eroberung der Inselwelt jenseits des Sundalands [Early seafarers: the conquest of the island world beyond Sundaland]. In A. Reinecke and M. Tjoa-Bonatz (eds.), Im Schatten von Angkor: Archäologie und Geschichte Südasiens, Mainz: Philipp von Zabern, Germany, p. 30. ISBN: 9783805349222.</p> <p>Pawlik A, Piper PJ, Wood RE, Lim KKA, Faylona MGPG, Mijares ASB and Porr M. 2015. Shell tool technology in Island Southeast Asia: an early Middle Holocene Tridacna adze from Ilin Island, Mindoro, Philippines. Antiquity 89, 292-308.</p>					
EIDR 2	DIL CS NIP	Tapang, Giovanni	Professor 3	2013	July	1	2015 2016	June June (extension)	30 30	Versatile Instrument System for Science Education and Research – Sensors and Modules (VISSER:SM)	13,288,784.00	Hilario PL, Villangca MJ and Tapang G. 2014. Independent light fields generated using a phase-only spatial light modulator. Optics Letters 39, 2036-2039.			40 handheld multichannel data acquisition system and plug and play analog and digital sensor for use in science laboratories	

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											<p>Improso WDG, Hilario PLA and Tapang GA. 2014. Zero order diffraction suppression in a phase-only spatial light modulator via the GS algorithm. OSA Technical Digest, paper FTu4C.3.</p> <p>Carasco MCA, Pizarro JPP and Tapang G. 2015. Development of a microcontroller-based wireless accelerometer for kinematic analysis. Journal of Mechatronics, Electrical Power and Vehicular Technology 6, 1-8.</p>				<p>Laboratory and instructional manuals for 40 experiments in biology, chemistry, physics, environmental science and engineering</p> <p>Development of software for control, user interface and analytical tools</p> <p>Development of an LED-based spectrometer for advanced chemistry laboratory experiments</p>	
EIDR 2	LB CFNR Dept. of Forest Products and Paper Science	Acda, Menandro	Professor 11	2013	July	1	2017 2018	June June (extension)	30 30	Wood to energy: Use of fast growing plantation tree species as fuel pellets in the Philippines	18,003,000.00	<p>Acda MN. 2015. Fuel pellets from downed coconut (<i>Cocos nucifera</i>) in super typhoon Haiyan. Biomass and Bioenergy 83, 539-542.</p> <p>Acda MN. 2015. Physico-chemical properties of wood pellets from coppice short rotation tropical hardwoods. Fuel 160, 531-533.</p> <p>Acda MN, Jara AA, Daracan VC, Devera EE. 2016. Opportunities and barriers to wood pellet trade in the Philippines. Ecosystems &amp; Development Journal 6, 27-31.</p> <p>Rojo MJA, Acda MN. 2016. Interspecific Agonistic behavior of <i>Macrotermes gilvus</i> (Isoptera: Termitidae): Implication on termite baiting in the Philippines. Journal of Insect Behavior 29, 273-282.</p> <p>Acda MN. 2016. Physical and chemical properties of fuel pellets from agricultural residues. The Philippine Agricultural Scientist 99, 188-192.</p> <p>Bajo PJr and Acda M. 2017. Fuel pellets from a mixture of rice husk and wood particles. Bioresources 12, 6618-6628.</p>				<p>Set up of a wood pellet pilot plant in UPLB</p>
EIDR 2	LB CFNR Dept. of Social Forestry and Forest Governance	Gata, Ma. Larissa Lelu	Assistant Professor	2013	July	15	2015 2016	July July (extension)	14 15	Exploring a theory of engaged collaboration across borders among transnational advocacy networks	3,417,620.00	<p>Gata MLLCP. 2014. Environmental inequalities among indigenous people in the Philippines: The case of the Tagbanua in Tara Islands, Philippines. Journal of Environment and Development 5, 31-38.</p>	1	1		Copyright application of the Community-based Information Database System

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												Gata MLLCP. 2016. Philippines, Families. In Shehan C. (ed), The Wiley Blackwell Encyclopedia of Family Studies, 1-5. John Wiley and Sons, Inc.				Community-based Strategies to Climate Change Adaptation: A Teaching-Learning Module for Inclusive Development. [online platform]
															Online discussion forum for local discussion groups	
															Hosted 1 USAID Global Research and Innovation Fellowship Network Fellow	
EIDR 2	LB CA Food Science Cluster	Castillo-Israel, Katherine Ann	Assistant Professor	2013	July	15	2016	May	15	The use of the ethylene antagonist 1-methylcyclopropene (1-MCP) to prolong the shelf-life of minimally processed fruits and vegetables	4,002,448.00	Bernardino, MA, Castillo-Israel, KAT, Serrano, EP, Gandia, JBL, and Absulio, WL. 2016. Efficacy of 1-methylcyclopropene (1-MCP) post cutting treatment on the storage quality of fresh-cut 'Queen' pineapple (Ananas comosus (L.) Merr.cv. 'Queen'). International Food Research Journal 23, 667-674.	8	7	Patent application for 1-MCP on fresh-cut pineapple. The technology can extend the shelf-life of the fruits by 1-2 days.	
												Castillo-Israel, K.A.T., Gandia, J.B.L., Velez, A.C.G., Absulio, W.L. and Bainto, L.C. 2015. Storage quality of fresh-cut Philippine "Carabao" mango (Mangifera Indoxa L. cv. 'Carabao') fruits with 1-Methylcyclopropene (1-MCP) post-cutting treatment. International Food Research Journal 22, 2196-2202.				
												Relox PE, Castillo-Israel, KAT, Serrano, EP, Absulio WL and Gandia JBL. 2015. Efficacy of 1-methylcyclopropene post-cutting treatment on fresh-cut papaya (Carica papaya L. cv. 'Sinta') storage quality using two packaging forms. International Food Research Journal 22(3), 910-917.				
EIDR 2	MAN CM	Paz-Pacheco, Elizabeth	Professor 1	2013	August	1	2015 2017	July December (extension)	31 30	Clinical and autoimmune characteristic of early onset diabetes in young adult Filipinos	11,507,605.00				Scorecard to predict type 1 and type 2 diabetes	
EIDR 2	MAN CAS Dept. of Behavioral Sciences	Estacio, Leonardo	Associate Professor 5	2015	February	1	2018	January	31	Drug use and behavioral health among young people in metro manila: A baseline cum intervention study	16,673,384.25			3	Mentoring of 3 masteral students	
															Established the Behavioral Health and Addictions research group in UP Manila	

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															Research partnership agreement with DOH, Dangerous 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	
EIDR 2	DIL CSWCD	Claudio, Sylvia	Professor 8	2013	July	20	2015	July	19	One UP health benefits action research: Towards a gendered universal health care sectoral model utilizing an Information Technology System	6,535,650.00				Setting up of the One UP Health website	
															Key informant interviews with Barangay UP, UP HRDO, UHS, GSIS, SSS, PhilHealth, PCSO	
EIDR 3	MAN CM	Sia, Isidro	Professor 12	2014	April	1	2016 2016	April December (extension)	30 30	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), Department of Health (DOH), Philippine Institute for Traditional and Alternative Health Care (PITAHC), and Philippine Insurance Corporation (PhilHealth)	19,999,855.92				Established "Best Practice Guidelines" for the management of 10 common community diseases	
	DIL NCPAG	Co, Edna	Professor												Established linkages with PhilHealth and DOH-HPDPB	
EIDR 3	LB Agricultural Systems Cluster	Garcia, Jose Nestor	Associate Professor	2015	May	1	2017 2017	June December (extension)	30 30	Interdisciplinary research and development for the germplasm characterization, production and utilization of Gabing San Fernando for feeds	9,979,732.00		2	1	Presentations in international and national conferences	
EIDR 3	BAG CS Dept. of Mathematics and Computer Science	Collera, Juancho	Associate Professor 4	2014	May	1	2016	April	30	Bifurcations in laser networks with Sn symmetry	930,240.00	Buono PL and Collera JA. 2015. Symmetry-breaking bifurcations in rings of delay-coupled semiconductor lasers. Society for Industrial and Applied Mathematics Journal on Applied Dynamical Systems 14, 1868-1898.				Presentations in international conferences

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											Collera JA. 2016. Symmetry-breaking bifurcations in laser systems with all-to-all coupling. <i>Mathematical and Computational Approaches in Advancing Modern Science and Engineering</i> , 81-88.					
											Domogo AA and Collera JA. 2016. Classification of codimension-one bifurcations in a tetrad of lasers with feed forward. <i>International Conference on Fundamental and Applied Sciences (AIP Conference Proceedings)</i> , vol. 1787, issue 1, 10.1063/1.4968141.					
EIDR 3	LB CEM Dept. of Economics	Cuevas, Agham	Associate Professor 6	2014	April	1	2015	April	30	Identifying transaction costs and assessing their effects in agriculture: The case of farmers' market participation in the Philippine rice sector	1,137,000.00	Cuevas A and Clarete RL. 2015. Effect of transaction costs on farmers' market participation in the Philippine rice sector. <i>Philippine Journal of Crop Science</i> 40, 35-44.				
												Cuevas AC. 2016. Effects of transaction costs on rice farmers' adoption of certified seeds in the Philippines. <i>Journal of Economics, Management and Agricultural Development</i> 2, 1-13.				
EIDR 3	LB NIMBB BIOTECH	Aggangan, Nelly	Scientist I (SCS)	2015	March	1	2018	February	28	Assessment of the effects of combining biochar fertilizer and vermicompost on soil quality and crop production	10,500,000.00					Patent application for Mykorich
EIDR 4	DIL CS NIMBB	Saloma, Cynthia	Professor 4	2014	May	1	30 30	April April (extension)	2016 2017	Analysis of susceptibility variants (Single Nucleotide Polymorphisms or SNPs) in candidate genes to unravel the genetic basis of preeclampsia(pregnancy-induced hypertension) among Filipino women	5,684,600.00	Amosco M, Villar VAM, Naniang JMA, David-Bustamante LMG, Jose PA and Palmes-Saloma CP. 2016. VEGF-A and VEGFR1 SNPs associate with preeclampsia in a Philippine population. <i>Clinical and Experimental Hypertension</i> 38, 578-585.				Presentation in an international conference
EIDR 4	DIL CS IB	Rivera, Windell	Professor 6	2014	November	1	30	November	2018	Recombinant protein expression and immunological characterization of de-antigenized human influenza H3 hemagglutinin	16,346,364.00					Plasmid expansion using <i>E. coli</i> NovaBlue strain
																Propagation of induced transfected- <i>Drosophila</i> S2 cells



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EIDR 4	DIL CS MSI	Conaco, Ma. Cecilia	Professor 12	2014	July	1	2016 2017	June June (extension)	30 30	Exploring the molecular mechanisms underlying the stress response and interspecies interactions of the soft coral, <i>Helipora coerulea</i>	5,225,670.00	Atrigenio MA, Aliño PM and Conaco C. 2017. Influence of the blue coral <i>Helipora coerulea</i> on scleractinian coral larval recruitment. Journal of Marine Biology 2017, 6015143.	1		2	Developed an assembly of the <i>H. coerulea</i> reference transcriptome, comparative gene complement and gene history analysis, differential gene expression analysis, description of the blue coral growth response under different controlled temperatures and a year-long monitoring of <i>in situ</i> growth of <i>H. coerulea</i> colonies in Bolinao, Pangasinan
																Presentations in national conferences
EIDR 4	DIL CEngg Dept. of Chem Engineering	Pajarito, Bryan	Associate Professor	2014	July	1	2016	August	31	Effects of shaped filler reinforcement on the diffusion behavior of liquids in polymer composites	2,893,000.00	Pajarito BB, Dang-Awan DF, Felipe, MAA and Handa KC. 2016. Sorption and degradation behaviour of epoxy composites reinforced with amine-coated polyester triangular bars in acid environment. Key Engineering Materials 705, 93-97.  Pajarito BB, Dang-Awan DF, Felipe, MAA and Handa KC. 2016. Desorption behavior of epoxy/amine-coated polyester triangular bar composites pre-exposed to acid environment. Materials Science Forum V, 3-7.	5			Presentations in international conferences
EIDR 5	LB NIMBB BIOTECH	Fernando, Lilia	University Researcher II	2014	November	1	2016	October	31	Development of a nanoparticle-based biosensor for the rapid detection of <i>Escherichia coli</i> O157:H7 Strain Sakai	2,499,800.00					Presentations in international and national conferences
EIDR 5	LB CAS Institute of Chemistry	Torio, Mary Ann	Associate Professor 4	2015	July	10	2019	July	9	Protein engineering of the major storage protein og mungbean enhanced with bioactive peptides exhibiting hypocholesterolemic activity	10,000,000.00			4	1	Submitted a manuscript to KIMIKA for review.
EIDR 5	DIL CS Institute of Mathematics	Lemence, Richard	Associate Professor 5	2015	June	8	2017	June	7	Automated constructions of phylogenetic trees and networks of languages in the greater central Philippines by a feature-sensitive metric	9,393,000.00					
EIDR 5	BAG CSS Dept. of Social Anthropology	Salvador-Amores, Analyn	Associate Professor 5	2016	April	1	2018	April	1	Anthropological, mathematical symmetry and technical characterization of Cordillera textiles	5,327,000.00					Developed a catalogue of Cordillera textiles (currently housed at the Museo Kordilyera) in UP Baguio

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															Designed a portable reflectance transformation imaging (PRTI) setup	
EIDR 5	BAG CS Dept. of Mathematics and Computer Science	Addawe, Joel	Associate Professor 6	2015	July	15	2017	July	14	Mathematical analysis of climate-based malaria transmission model with age-structured population	1,018,280.00	Addawe J and Pajimola AK. 2016. Dynamics of climate-based malaria transmission model with age-structured human population. AIP Conference Proceedings 1782, article no. 040002.			2	Presentations in international and national conferences
EIDR 5	BAG CS Dept. of Mathematics and Computer Science	Bacani, Jerico	Associate Professor 6	2014	August	1	2016	July	31	The analysis of Bernoulli free boundary problem using the velocity method and second-order perturbation of identity technique	2,090,560.00	Bacani JB and Rabago JFT. 2015. On the second-order shape derivative of the Kohn-Vogelius objective functional using the velocity method. International Journal of Differential Equations, Article ID 954836.  Bacani JB and Peichl G. 2016. The second-order eulerian derivative of a shape functional of a free boundary problem. IAENG International Journal of Applied Mathematics 46, 425-436.			1	Presentations in international and national conferences
EIDR 5	LB BIOTECH	Tambalo, Richard	University Researcher II	2014	November	1	2016	October	31	Overexpression, purification and characterization of a recombinant thermo-stable endoglucanase for effective hydrolysis of lignocellulosic materials	2,500,000.00				Invention disclosure for "A recombinant thermo-acid stable endoglucanase for potential application in the high temperature-dilute 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"	
EIDR 5	LB CA Institute of Plant Breeding	Garcia, Roberta	Associate Professor 7	2015	April	1	2019	March	31	Development of scale-up production methodologies for recombinant enzymes towards commercialization	9,358,900.00			1		
EIDR 6	DIL CAL Dept. of English and Comparative Literature	Ick, Judy Celine	Professor 8	2016	March	8	2018	March	7	Philippine performance archive: Ritual, dance, theatre	19,715,132.00			2	6	Archive and digital internet database of Philippine performances  UPOU Forum on Digital Humanities

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EIDR 6	LB CAS Institute of Biological Sciences	Lantican, Nacita	Assistant Professor	2015	December	16	2017	December	15	Molecular and culture-based characterization of bacterial community from Manleluag Alkaline Spring in Pangasinan	7,473,016.00 *2,976,005.00		1	2		
EIDR 6	DIL CS NIP	Estacio, Elmer	Professor 1	2016	March	21	2018	March	20	Creating cost-effective sensors and devices to understand climate change in the Philippines using archaeological and present data	15,102,773.08			1	1	
EIDR 6	LB SESAM	Espaldon, Ma. Victoria	Professor 12	2015	November	26	2017	November	27	Ten years after the Millenium Ecosystem Assessment of Laguna de Bay: Towards a sustainable future	9,930,328.00 *10,130,342.60	4			Mentoring of graduate students from UP NIGS and UPLB SESAM	
															Hosting of three fellows from the Pan Asia Risk Reduction Fellowship Program	
															Convened a science and policy forum with the Laguna de Bay stakeholders	
EIDR 6	DIL CS MSI	Lluisma, Arturo	Research Professor 3	2015	December	1	2017	November	30	Conus structural exogenomics program	9,385,376.00			6	1	
EIDR 6	DIL CSSP Third World Studies Center	Jose, Ricardo	Professor 12	2015	October	1	2017	September	30	The mass transit system in Metro Manila: From tranvia to MRT, 1879-2014	10,075,688.00				MOA with National Archives of the Philippines (NAP)	
															Launched a video documentary entitled "Tranvia: Ang Mga Riles ng Kamaynilaan"	
															Presentations in international and national conferences	
EIDR 6	LB CA Institute of Food Science and Technology	Flores, Floirendo	Associate Professor 2	2016	February	1	2018	January	31	<i>In vitro</i> release properties and <i>in vivo</i> biochemical activities of microencapsulated anthocyanin extracts prepared with duhat ( <i>Syzygium cumini</i> (L.)) and bignay ( <i>Antidesma bunius</i> (L) Spreng)	3,374,136.00 *3,148,624.00					
EIDR 6	DIL CMC	David, Clarissa	Professor 1	2015	October	20	2017 2018	October October (extension)	19 19	Data science and society: Application in public education	8,955,796.00					

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				Year	Month	Day	Year	Month	Day				UP System	BS/BA	MS/MA	
EIDR 6	DIL CS NIMBB	Garcia, Reynaldo	Professor 8	2015	November	25	2017	November	24	Profiling and functional characterization of novel mutations in EGFR cellular proliferation and cell survival pathways among Filipino young-onset, sporadic colorectal cancer patients	9,207,623.00 *11,083,255.57		2	4	1	Out of the 51 wildtype and canonical mutants targeted, a total of 32 gene constructs of NRAS, PIK3CA, PTEN, BRAF, KRAS and MEK1 have been successfully cloned into the mammalian expression pTarget.  Presentations in international and local conferences
EIDR 6	LB CFNR Institute of Renewable Natural Resources	Bantayan, Nathaniel	Professor 7	2016	January	7	2018	January	6	Forest Canopy Observation, Positioning and Investigation (Forest CANOPI) Program: Developing Forest Canopy Science in the Philippines	9,909,703.00 *10,892,983.00		6			Conducted tree inventory and detailed topographic mapping  Conducted the Forest Canopy Genomics Workshop  Presentations in international conferences
EIDR 6	DIL AIT	Mena, Miguela	Professor 3	2016	February	1	2018	January	31	Learning tourism destinations: Creating functional partnerships and initiating positive change for sustainable tourism development in local economies	5,456,000.00			4		Presentations in international conferences  MOA with Holy Name University
EIDR 6	DIL CS Institute of Chemistry	Junio, Hiyas	Assistant Professor 6	2015	November	13	2017	November	12	Towards a molecular level understanding of essential oil-protein interactions and their applications as insect biocontrol agents	9,841,772.00 *10,159,000.00		1	3		
EIDR 6	DIL CS Institute of Chemistry	Hernandez, Christine	Associate Professor 5	2015	October	27	2017	October	26	Development of bioactive cyclotides from Philippine biodiversity	7,499,048.00 *7,793,007.00			3		
EIDR 6	DIL CS Institute of Biology	Ong, Perry	Professor 11	2015	December	18	2017	December	17	From genes to ecosystems: Understanding fruit bat species and genetic diversity and its ecological interactions with plants in tropical lowland forests, Palanan, Isabela, Philippines	10,351,180.00 *13,496,462.20					
EIDR 6	DIL CS Institute of Chemistry	Lamorena-Lim, Rheo	Associate Professor 3	2015	November	25	2017	November	24	Crowdsourced sensing for student engagement in Science Education (CrowdSENSE)	7,723,672.00			1		Fabrication of sensing kits from identified parts and generated design

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EIDR 6	DIL Asian Center	Raquiza, Antoinette	Associate Professor 3	2015	December	1	2017	November	30	Bugkos: Putting equitable development at the center of the Asian Century	5,449,780.00			3	Public forum on comparative politics and economic development between the Philippines and Thailand	
EIDR 6	DIL CS Institute of Chemistry	Yago, Allan Christopher	Assistant Professor 5	2015	November	9	2017	November	8	TiO <sub>2</sub> based nanomaterials and nanocomposites as photoelectrocatalysts for the removal and sensing of synergistic organic pollutants	13,082,004.00 *2,534,004.00			1	Mentoring of 1 MS student	
EIDR 6	DIL CEngg Dept. of Computer Science	Yap, Jan Michael	Assistant Professor 2	2015	July	29	2017	July	28	Integrative genomics analysis workbench for rice science	582,004.00 *518,443.10					
EIDR 6	DIL CS Institute of Mathematics	de los Reyes, Aurelio V	Associate Professor	2015	August	13	2017	August	12	Control aspects of the cardiovascular-respiratory system	1,620,786.00 *965,645.40	Calderon PGB, Habib M, Kappel F, de los Reyes V AA. 2017. Control aspects of the human cardiovascular-respiratory system under a nonconstant workload. Mathematical Biosciences 289, 142-152.			1	Presentation in international conferences
EIDR 6	DIL CEngg DMMME	Balela, Mary Donnabelle	Associate Professor 1	2015	December	1	2017	November	30	Efficacy of copper-based hollow kapok fiber nanocomposite for environmental purification	3,046,988.00 *2,325,614.00	Agcaoili A, Ishihara K and Balela, MD. 2015. Preparation of Polyacrylonitrile-Kapok Hollow Microtubes Decorated with Cu Nanoparticles. MATEC Web of Conferences 27, 02008.			2	
EIDR 6	LB CAS Institute of Mathematical Sciences and Physics	Tapia, Alvin Karlo	Assistant Professor	2015	December	4	2017	December	3	Conduction in disordered materials in the low-frequency region	2,211,000.00 *291,325.00	Dahonog LA and Tapia AKG. 2017. Electrical properties of Al-, Cu-, Zn-rice husk charcoal junctions. IOP Journal of Physics: Conference Series 817, 012015. doi:10.1088/1742-6596/817/1/012015.  Sebastian CS, Herrera MU and Tapia KG. 2017. Electrophoretic deposition of zinc oxide on graphite drawn on paper. IOP Journal of Physics: Conference Series 817, 012004. doi:10.1088/1742-6596/817/1/012004.			2	Conducted a workshop on THz spectroscopy  Presentations in a regional conference
EIDR 6	DIL CS Institute of Mathematics	de la Cruz, Ralph John	Assistant Professor 5	2016	January	1	2018	December	30	On the decomposition of matrices related to symmetric or skew symmetric bilinear forms and its relation to some known matrices	1,555,200.00	de la Cruz RJ, Merino DI and Paras AT. 2017. Skew phi polar decompositions. Linear Algebra and its Applications 531, 129-140.  de la Cruz RJ and Granario D. 2016. The phi S polar decomposition when the cosquare of S is nonderogatory. Electronic Journal of Linear Algebra 31, 754-764.			1	
EIDR 6	DIL CEngg EEEE	Hilario, Paul Leonard Atchong	Assistant Professor	2015	December	7	2017	December	6	Wavefront Engineering Research: Suppression of spurious diffraction orders	2,500,000.00					

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EIDR 7	MAN College of Medicine	Dans, Antonio Miguel	Professor 12	2015	December	17	2017	December	8	Philippine Studies on Primary Care-Pilot study in UP Diliman	16,013,212.00			1	Submitted article to Asia Pacific Journal of Public Health for review	
EIDR 7	DIL College of Music Dept. of Musicology	Buenconsejo, Jose	Professor 2	2015	December	18	2017	September	23	Interdisciplinary research on arts and culture of the Philippines	9,629,925.00				Saysay Himig anthology of recorded Philippine transcultural music  Staged "Diwata ng Bayan" and "Putri Anak" at the Cultural Center of the Philippines  Two manuscripts (Saysay Himig & Philippine Modernities: 1880-1941) have been accepted for publication by the UP Press	
EIDR 7	OU	Alfonso, Grace	Professor Emeritus	2015	October	1	2016 2017	September May (extension)	30 31	Multimedia and multidisciplinary teaching and learning materials	9,500,000.00				Production of 100 Master Voices (multimedia materials for GE courses). Some of the videos are already available at TVUP (tvup.ph)	
EIDR 7	MAN College of Medicine	de la Vega, Shelly Ann	Professor	2016	October	1	2018	September	30	UP wellness initiative for seniors and elders	19,820,880.00			2		
EIDR 7	LB CPAf Institute for Governance and Rural Development	Dizon, Josefina	Research Professor	2015	December	15	2017	December	14	Promoting rice and white corn combination as food staple for Filipinos	13,905,000.00		1	1	2	
EIDR 7	DIL School of Statistics	Barrios, Erniel	Professor 12	2016	March	1	2017	February	28	University of the Philippines in the last two decades	5,544,424.00					
EIDR 7	DIL CS NIMBB	Bautista, Ma. Anita	Assistant Professor 7	2016	January	15	2018	January	14	Reinforcing local applications of omics technology and bioinformatics	16,615,096.00			1		
EIDR 7	DIL CMC	Tolentino, Roland	Professor	2016	May	23	2018	May	22	Literacy, literature and translation for people empowerment program	8,072,000.00					
EIDR 7	DIL CMC	Pernia, Elena	Professor 9	2016	February	1	2019	March	31	Communicating science and technology research and development at the University of the Philippines	16,516,910.90					

\* Budget from DOST