



22ª Conferência Twas-Lacrep de Jovens Cientistas
1ª Conferência Regional da TYAN para América Latina e Caribe
- Rio de Janeiro, 27 a 29 de novembro de 2019 -

INVITED GUESTS TWAS-LACREP | POSTERS SESSION

CLAUDIA SUSETH ROMERO OLIVA DE HIRSCHMEIER

Expert in the field of Ecotoxicology and Aquatic Ecology, with experience in experimental design and optimization of ecotoxicological assays, analytic tests, development of scientific research, management of laboratories and personnel. With more than 10 years of international experience, she has developed the necessary competences to work in different cultures, focusing in the adequate implementation of creative strategies in line with the needs of different groups, equipment and research projects. She received the *Doctor rerum naturalium - CUM LAUDE* – in Ecotoxicology at Technische Universität Berlin-TU Berlin, Institute of Ecology, Department of Research of Ecological Impact and Ecotoxicology, in Germany; and the *Magister Scientiae (Filosofie Licentiate)* major in Aquatic Ecology, from Linnaeus Universität, Department of Marine Ecology, Kalmar, Sweden (2017). She is an Awardee of the Early Career Fellowship from the Organization of Women in Science in the Developing World (OWSD) (2019-2021). Dr. Claudia was selected, in 2019, for the exchange program Japón-América Latina y el Caribe: Juntos!! Through the Embassy of Japan in Guatemala. In 2018, she received the prize for young scientists from The World Academy of Sciences for the Advancement of Science in Developing Countries (TWAS).

DIEUSEUL PRÉDÉLUS

He is a research member in the Laboratory of Science for Environment and Energy (LS2E) of Université d'État d'Haiti. He obtained his Ph.D. degree in Physics at Lyon University (Université Claude Bernard Lyon1). His research activities are framed within different fields of knowledge, such as fluorescent nanoparticle transfer in the vadose zone and photovoltaic energy. He is the Director of the Physics Department at Université d'Etat d'Haiti.

ELIAS HUMBERTO PERAZA CASTANEDA

He is an evolutionary economist focused on innovation systems. Obtained his Ph.D. in Economics – Outstanding CUM LAUDE - by the Universities of Burgos (UB), Valladolid (UVa) and Salamanca (USAL), Spain (2019). His work focuses on the sectoral notion of Innovations systems applied to the Salvadoran agri-food industry under the

evolutionary perspective. He obtained his Master in Business Management in Innovation and Internationalization, at the University of the Basque Country (EHU/UPV) in Bilbao, Spain (2011), working on the coordination between the Marketing Plan and Local Agenda 21 for the sustainable management of tourist destinations applied to Bilbao. In 2009, when he received his Bachelor of Business Administration degree, he was selected for the Rubén Darío Central American Award for Academic Excellence (representative of El Salvador), as the best student at the University of El Salvador (UES). Since 2012, Dr. Elias works as Chief of Corporate Communication and Relations of the Technology Parks Management, in the Ministry of Education, Science and Technology of El Salvador.

ESTEBAN JAVIER CRISTALDO MORALES

Mechatronic Engineer since 2018, at the Facultad de Ingeniería de la Universidad Nacional de Asunción (FIUNA), Paraguay. Between 2017 and 2018, he worked under the tutelage of Dr. Jorge Molina. As academic work, he studied the SiPM mathematical model, and developed a method to extract its parameters, to later perform numerical simulations of the signals that they produce. With those simulations, he designed and simulated an electronic circuit for the amplification of the signal of up to 12 SiPMs in parallel, to study signal and noise characteristics. The electronic circuit was built and successfully tested at cryogenic temperatures at the Leptons Laboratory at the Universidade Estadual de Campinas. Alongside, he implemented a data acquisition software based in the artDAQ system, a toolkit developed by the scientific computing division at Fermilab. This software is currently acquiring data from the interaction of muons passing through plastic scintillators at the Laboratorio de Mecánica y Energía de la FIUNA. The signals from these scintillations is acquired by the SiPMs and are amplified and conditioned by specialized electronic circuitry that he designed. Now he is at the Universidad del Cono Sur de la Américas for his Master's degree. Since the end of 2018, he Works as a Master's student in Laboratorio de Mecánica y Energía de FIUNA, where he is developing data acquisition electronics that will integrate the signal, from up to 48 SiPMs, through a single channel for the DUNE Photon Detector System. He is also working with undergraduate students to develop artDAQ systems, that will acquire data from the SiPMs in the ARAPUCA light collectors, that will to be installed in the SBND experiment at Fermilab.

IVANIA ANDREA CORNEJO

Master of Environmental Management (The University of Queensland, Australia, 2014-2015) with a background in industrial engineering (Universidad Centroamericana, Managua, Nicaragua. 2002-2007) . She has a genuine interest in contributing to solve pressing environmental and socioeconomic issues in her country, and at a global scale. She has experience in environmental/social research, project management and environmental and quality management systems in the private sector. Her research and work interests are in the areas of sustainable forestry (management and certification schemes), rural community development, governance and management of protected areas in the tropics, circular/bio-based economy and the possibilities of inter and transdisciplinary work. Since 2017, she works as researcher at the Universidad Centroamericana (UCA) Managua, in Nicaragua. In 2016, she was an International

Fellow at the World Forest Institute, Portland, USA, where she conducted research on forest and farm producer organizations, and their contribution for the toward management of private forestlands, aiming to achieve positive environmental, economic and social outcomes.

JACKY PAUL

Obtained his Ph.D. degree in Economics and Environment at AgroParisTech (Paris Institute of Technology for Life, Food and Environmental Sciences), where he studied from 2014 to 2017. He has a Master of Science (Agroecology) degree, obtained at University of the French West Indies (UAG), between 2013 and 2014. At the State University of Haïti he finished his undergraduate course, in Agricultural engineer, in 2012 (Development Economics). Since 2018, he works as Full Professor of Agricultural Extension Techniques at the State University of Haiti (UEH). He worked as Senior Consultant for the Feasibility study for an MRV system in Haiti for public and private climate finance (2018-2019), and before as Senior Consultant for Technical assistant support to the Designated National Authority Green Climate Fund (2017-2019), both in the United Nations Development Programme (UNDP) at Port-au-Prince (Haiti).

JESSICA PEREZ-REYNOSA

She is the Director of the Institute of Interdisciplinary Research in Social Sciences (IICS), Universidad Centroamericana (UCA), in Nicaragua (2019), Dr. Jessica is Associate Professor of the MBA Program (MADE), UCA Nicaragua, since 2014. She obtained her Ph.D. degree in Economics at the Universitat Rovira i Virgili, Tarragona and Reus, Spain (2010-2013), the same university where she had obtained her Master's degree - in Industrial Organization - studying Public Policy Evaluation and Applied Microeconometrics (2009-2010). Her bachelor degree in Economics was obtained at Universidad Politecnica de Nicaragua (2003 – 2008). She was Visiting Ph.D. fellow at the Institute of Economics of the Universita della Svizzera Italiana, Lugano, in Switzerland (2013). Dr. Jessica is a member of the Institute of Interdisciplinary Research in Social Sciences (IICS), UCA, Nicaragua, since 2017. She was a member of the Research Centre on Industrial Economics and Public Economics (CREIP), Spain (2011-2013) and of the Research Group on Quantitative Urban and Regional Economics (QURE), Spain (2010-2013).

LESLIE KARINA TEJEDA PEREZ

She obtained the Ph.D. degree in Food Engineering from the University of Lund, Sweden (2007-2013), after getting two undergraduate degrees: in Chemistry, from Universidad Mayor de San Andres, La Paz, Bolivia (2000-2007), and the humanities : Bachelor in Humanities, 1999, from Bolivian Experimental Collegium Ave Maria Eduvigeanum, in the same city. Dr. Leslie worked as teacher at Simón Bolívar Pedagogical Universityx (2016-2017), Universidad Mayor de San Andres (2014-2016).

REINA MARICELA BLAIR

She received her Ph.D. degree in Geographical and Earth Sciences from the University of Glasgow, Scotland, UK (2015-2019). Two Masters degrees: one from the University of Glasgow in Freshwater Systems Science (2011-2012), and another from the

University of Arkansas, USA, in Crop, Soil, and Environmental Sciences. Her undergraduate course was in Environmental Studies & Anthropology, at St. Lawrence University, Canton, New York, USA. Dr. Reina has worked in Tegucigalpa, Honduras, as Head of Scientific Research and Technological Development of the Institute of Science, Technology, and Innovation of the Ministry of Science Technology and Innovation (IHCITI/SENACIT) (2014-2015); was Quality Control Coordinator / Consultant of the National Institute of Statistics (INE) (2013-2014); Assistant Professor / Coordinator of Learn-by-Doing Modules, Socioeconomic Development and Environmental Program, in the Panamerican Agricultural School Zamorano (2010-2011). In the same period, she worked as Independent Consultant for the National Biofuels Program, at the National Institute of Statistics (INE). At the University of Arkansas, USA, she worked as Graduate Research Assistant between 2004 and 2009, in three labs: Limnology and Water Quality Lab, Soil Biology and Microbial Ecology Lab, and Soybean Breeding and Soybean Genetics Lab.

THEODULE JEAN BAPTISTE

He works as Regional Director at Caris Foundation International in Haiti since 2018, and as teacher of Pharmacovigilance and Quantitative Methods at the Faculté de Médecine et de Pharmacie of the Université d'Etat d' Haiti since 2014. Before, he worked as Monitoring and Evaluation Director at the Saint Boniface Hospital (2017-2018). Dr. Theodule received his second Master degree in Public Health / Epidemiology, as a Fulbright Scholar, from the University of Alabama at Birmingham School of Public Health, USA (2016). In 2016 he also worked as Member of the Epidemiology and biostatistics clinic of the University of Alabama at Birmingham (UAB), USA. Dr. Theodule received his first Master degree from the European Program in Pharmacovigilance and Pharmacoepidemiology - Eu2P (2012-2014). He obtained his Diploma of Medical Doctor at the Faculté de Médecine et de Pharmacie, Université d'Etat d' Haiti (2004-2011).

VIVIANA DE EGEA

She obtained her Medical Degree from the Facultad de Ciencias Médicas, Universidad Nacional de Asunción, Paraguay (2004-2010), with practice as General Physician in emergency room and family practice in the Internship programme 2010, Hospital Regional San Estanislao, and in Infectious diseases and HIV, at the Instituto de Medicina Tropical. Obtained a specialization at the Clinical Microbiology and Infectious diseases training programme, at the Hospital General Universitario Gregorio Marañón", in Madrid, Spain (2011-2015). Dr. Viviana worked as Teaching Assistant at Microbiología y Parasitología Department, Facultad de Medicina, Universidad Nacional de Asunción - Filial Santa Rosa del Aguaray (2016); Teaching assistant at the Patología Funcional Department of Universidad del Pacífico Privada (2016); Clinical Microbiologist and Infectious Diseases specialist advisor for the Servicio Nacional de Erradicación del Paludismo (National Service for Malaria Eradication), 2016; Clinical Microbiologist and Infectious diseases Specialist in the National Program for Infection Control, at the Dirección de Vigilancia de Enfermedades Transmisibles (2017). Financing award obtained, through merit contest, to develop Multiplex PCR for multidrug resistance in Enterobacteriaceae CONACYT, Paraguay (2017).