

# TUESDAY, AUGUST 6<sup>th</sup>

9:00	<b>Shakespeare Theater</b> <b>Registration-Coffee break</b>			
9:15				
9:30				
9:45				
10:00	<b>Shakespeare Theater</b> <b>Opening</b>			
10:15				
10:30	<b>Shakespeare Theater</b> <b>PLENARY TALK: Biotic changes on Chimborazo, the cradle of plant biogeography</b> <b><i>Naia Morueta-Holme</i></b>			
10:45				
11:00				
11:15	<i>Walk to Main Campus</i>			
11:30				
	<b>Teatro Calderón de la Barca</b>	<b>Teatro Casa Blanca</b>	<b>Salón Azul</b>	<b>Maxwell 107</b>
	<i>Session: Historical Biogeography</i>	<i>Session: Island Biogeography</i>	<i>Session: Biodiversity Patterns and Maintenance</i>	<i>Session: Functional Biogeography</i>
11:45	<b>Explosive diversification following continental colonizations by canids.</b> <i>Lucas Porto</i>	<b>Speciation of the genus Urosaurus in the Revillagigedo Archipelago.</b> <i>Juan Gutiérrez</i>	<b>The origin and assembly of the alpine biome in the Hengduan mountains.</b> <i>Wen-Na Ding</i>	<b>A synthesis of animal-mediated seed dispersal of palms reveals distinct biogeographical differences in species interactions.</b> <i>Gabriel Muñoz</i>
12:00	<b>Environmental change: The extinction of Sparassodonta clade in South America.</b> <i>Kateryn Pino</i>	<b>Invasion dynamics of a specialist solitary bee and its effect on the pollination system of an endangered island herb.</b> <i>Brittany Harris</i>	<b>Geographic and environmental determinants of floristic structure in a biodiversity hotspot.</b> <i>Qin Li</i>	<b>Plant trait-environment dynamics challenge the Humboldtian view of nature during the Holocene.</b> <i>Pierre Gauzere</i>
12:15	<b>Long distance dispersal or dispersal through land bridges? -- An integrated biogeographic study of Juglandaceae based on molecular and fossil evidence.</b> <i>Qiuyue Zhang</i>	<b>Extinction-driven changes in island communities: worldwide and in Mauritius and Krakatau.</b> <i>Julia Heinen</i>	<b>Dacryodes (Burseraceae): un género huérfano en América.</b> <i>María Cristina Martínez</i>	<b>Dialects in the high-frequency song of the Ecuadorian Hillstar.</b> <i>Fernanda Duque</i>
12:30	<i>Lunch break</i>			

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	<b>Teatro Calderón de la Barca</b>	<b>Teatro Casa Blanca</b>	<b>Salón Azul</b>	<b>Maxwell 107</b>
	<b>SYMPOSIUM:</b> <i>Architects of Variation: How Climate and Physiology Shape Patterns of Biodiversity. Organized by Alisha Shah &amp; Cameron Ghalambor</i>	<b>Session: Island Biogeography</b>	<b>SYMPOSIUM:</b> <i>Geology and climate change as drivers of biodiversity and evolutionary processes in the Andes-Amazonian system. Organized by Carina Hoorn &amp; Hanna Tuomisto</i>	<b>Session: Conservation Biogeography</b>
14:00	<b>From Humboldt to Janzen; How latitude and mountains generate biodiversity.</b> <i>Cameron Ghalambor</i>	<b>Life-history evolution in contrived communities of invasive livebearing fishes in the Hawaiian Islands.</b> <i>Spencer Ingley</i>	<b>The tectonic evolution of the Northern Andes.</b> <i>Cristian Vallejo</i>	<b>Conservation priorities for <i>Romerolagus diazi</i> based on Species Distribution Models including biotic interactions.</b> <i>Luis José Aguirre López</i>
14:15	<b>Climate Variability and Thermal Tolerance in Aquatic Insects: Can they Stand the Heat?</b> <i>Alisha Shah</i>	<b>Fanged frogs reset expectations of terrestrial vertebrate evolutionary diversification in an iconic island archipelago.</b> <i>Rafe Brown</i>	<b>Leaf-wax lipid biomarker paleoaltimetry and eco-hydrologic evolution of the south-central Andean Plateau (Puna).</b> <i>Alexander Rohrmann</i>	<b>Documentary Projection: Sky Islands, a time travel in the Andes Mountains.</b> <i>Catalina Giraldo</i>
14:30	<b>Stretched to the limits: field investigations to examine the predictive power of critical temperatures for understanding range shifts in amphibians.</b> <i>Alessandro Catenazzi</i>	<b>Narrow-range endemic ground beetles in Ecuadorian páramos: Towards a biogeography of Andean sky islands.</b> <i>Pierre Moret</i>	<b>Neogene climate, vegetation, and elevation history of the Central Andean Plateau.</b> <i>Camila Martínez Aguillón</i>	<b>Through the extinction filter: historical and contemporary patterns of vulnerability of the most extinction-prone bird family.</b> <i>Lucile Leveque</i>
14:45	<b>Effects of temperature variation along elevational gradients in the Andes: the case of a poison frog.</b> <i>Mónica Páez-Vacas</i>	<b>Diversification patterns of ground beetles and rove beetles from the highlands of Ecuador.</b> <i>Sofía Muñoz-Tobar</i>	<b>The elevational dance of the Andean high mountain biome in the Pleistocene arena.</b> <i>Suzette Flantua</i>	<b>Bioregionalization approaches for conservation: methods, biases, and their implications for Australian biodiversity.</b> <i>Cristian Montalvo-Mancheno</i>
15:00	<b>Can plant thermal tolerance evolve under climate change? A comparison of central and edge populations.</b> <i>Rachel Wooliver</i>	<b>Connecting spatial trophic ecology with processes of population differentiation and speciation in Galápagos marine iguanas (<i>Amblyrhynchus cristatus</i>).</b> <i>Timm Reinhardt</i>	<b>Amazonian plant species distributions mapped by satellite.</b> <i>Hanna Tuomisto</i>	<b>The spatial and temporal dynamics of interspecific associations under global changes.</b> <i>Stanislas Rigal</i>
15:15	<b>Discussion</b>	<b>Use of drone and satellite images to map native and invasive vegetation distributions in island systems: the Galapagos Islands.</b> <i>Gonzalo Rivas-Torres</i>	<b>Explosive radiations of the Asteraceae in the Andes: a history of climate change, geology, isolation and reconnection.</b> <i>Mauricio Diazgranados</i>	
15:30	<b>Coffee break</b>			

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	<b>Teatro Calderón de la Barca</b>	<b>Teatro Casa Blanca</b>	<b>Salón Azul</b>	<b>Maxwell 107</b>
	<i>Session: Environmental Tolerance</i>	<i>SYMPOSIUM: Island Biogeography of the Anthropocene. Organized by Gonzalo Rivas-Torres &amp; Jaime Chaves</i>	<i>SYMPOSIUM: Geology and climate change as drivers of biodiversity and evolutionary processes in the Andes-Amazonian system. Organized by Carina Hoorn &amp; Hanna Tuomisto</i>	<i>Session: Conservation Biogeography</i>
16:00	Are tropical thermal barriers 'higher' on the way up or down? <i>Pol Pintanel</i>	Common Denominators of Adaptive Radiation on Islands. <i>Rosemary Gillespie</i>	Topography, erosion, and biodiversification in continental freshwaters. <i>James Albert</i>	Evaluation of five taxa as surrogates in the Transmexican Volcanic Belt, Mexico. <i>Tania Escalante</i>
16:15	Thermal tolerance across latitudinal and elevational gradients in Neotropical plethodontid salamanders <i>Sean Rovito</i>	Isolation, Fragmentation, and Plant Endemism in the tropical Andes. <i>Jens Mutke</i>	Bird diversification and the evolution of Amazonian landscapes. <i>Camila Ribas</i>	New guidelines for ex situ conservation- integrating geography and genetics. <i>Sean Hoban</i>
16:30	Functional traits, climate and soil drive niche differences of <i>Damburneya</i> (Lauraceae) sympatric species in a Mexican tropical rain forest. <i>Laura Giraldo-Kalil</i>	Disease Ecology of Galapagos Birds and their Parasites. <i>Patricia Parker</i>	<b>Discussion</b>	Implicaciones biogeográficas espaciales para la evaluación de las categorías de amenaza: El caso de las ranas venenosas en Ecuador. <i>Mauricio Ortega-Andrade</i>
16:45	Polytolerance to abiotic stress and range filling in European and North American woody species. <i>Giacomo Puglielli</i>	Ecological and biogeographic patterns of the <i>Scalesia</i> (Asteraceae) endemic genus in Galapagos. <i>Gonzalo Rivas-Torres</i>		Diversificación altitudinal en el Bloque Norte de los Andes vista a través de múltiples taxa. <i>Viviana Ayus</i>
17:00	Elevational and microclimatic drivers of thermal tolerance in Andean <i>Pristimantis</i> frogs. <i>Pol Pintanel</i>	<b>Discussion</b>		Patrones de distribución de la diversidad alfa y beta de murciélagos en las regiones biogeográficas de Colombia: base para su conservación. <i>Juranny Astorquiza</i>
17:00	<b>Maxwell107: RedBioN Meeting</b> <i>Red Latinoamerica para el Estudio de la Biogeografía Neotropical</i>			
17:15	<i>Walk to Main Campus Entrance</i>			
17:30				
17:45	<i>Bus to Quito</i>			

# WEDNESDAY, AUGUST 7<sup>th</sup>

9:00

9:15

9:30

9:45

## Shakespeare Theater

### PLENARY TALK: Hybridization fuels adaptive radiation of cichlid fishes

**Joana Meier**

10:00

*Walk to main campus*

10:15

*Coffee Break*

10:30

**Teatro Calderón de la Barca**

**Teatro Casa Blanca**

**Salón Azul**

**Maxwell 107**

***SYMPOSIUM: Diversity patterns along latitudinal and environmental gradients across the Andes.***  
*Organized by Francisco Cuesta, Carolina Tovar & Priscilla Muriel*

***Session: Biodiversity Patterns and Maintenance***

***Session: Neotropical Phylogenetics and Phylogeography***

***Session: Neotropical Biogeography***

10:45

**Thermal niche traits of tropical high-elevation plant species and communities and their vulnerability to global warming along a 4000 km latitudinal gradient in the Andes.** *Francisco Cuesta*

**Southern Philippine Stream Toad Diversification Resolved with a Novel Genomic Probeset and 10,000 Sequence Loci.** *Rafe Brown*

**The origin of exceptional diversity in the widely distributed New World songbird, the House Wren (Troglodytes aedon).** *Jaime Chaves*

**El Río Pastaza como barrera biogeográfica para las poblaciones de la lagartija amazónica *Potamites strangulatus* (Gymnophthalmidae), Ecuador.** *Carolina Reyes-Puig*

11:00

**Effects of experimental climate warming and nutrient addition on plant community and productivity in tropical mountain grasslands.** *Sisimac Duchicela*

**Assemblage dispersion fields reveal the spatial structure of biotic similarity among South American vertebrate distributions.** *Michael Borregaard*

**Species delimitation and evolutionary history of closely related abundant vs. rare rainforest trees (*Eschweilera*, *Parvifolia* clade, Lecythidaceae) in French Guiana.** *Myriam Heuertz*

**Uso del Modelamiento de Nichos Ecológicos para informar áreas con potencial diversidad de mamíferos no descritos en el Choco Biogeográfico.** *Jhan Carlos Carrillo Restrepo*

11:15

**Patterns and causes of elevational diversity gradients in soil protists.** *Leonardo Fernández*

**Dimensions of biodiversity and geodiversity across scales.** *Phoebe Zarnetske*

**Unravelling the evolutionary processes driving the diversification of a conifer clade after its migration into the subtropics.** *Juan P. Jaramillo-Correa*

**Integración de modelos de distribución y abundancia del ocelote (*Leopardus pardalis*).** *Angélica Díaz Pulido*

11:30

**New biotic communities, ecosystems and landscapes from climate and glacier change in the high tropical Andes: an integrated perspective.** *Luis Llambí*

**Evolutionary cradles and museums of plant diversity in tropical Africa.** *Thomas Couvreur*

**Phylogeography of an Amazonian tree frog reveals high cryptic diversity and provides insights into Neotropical diversification.** *Diego Ortíz*

**Filogenia molecular y biogeografía histórica de un linaje incertae sedis: Una nueva especie de *Atopophrynus* de los Andes norte del Ecuador.** *Grace Reyes-Ortega*

11:45

**In the footsteps of Humboldt and Whymper— The importance of historical data in present-day climate change assessments in the Andes.** *Priscilla Muriel*

**The macroecology of climate stability and change: a synthesis of mechanisms and patterns.** *Roland Jansson*

**Mitogenomics Phylogeny and Historical Biogeography of Neotropical *Myotis* (Chiroptera: Vespertilionidae).** *Carlos Carrión*

**La macroecología argentina: ¿una subdisciplina en vías de desarrollo?** *Julieta Filloy*

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	<i>SYMPOSIUM: Diversity patterns along latitudinal and environmental gradients across the Andes. Organized by Francisco Cuesta, Carolina Tovar &amp; Priscilla Muriel</i>	<i>Session: Biodiversity Patterns and Maintenance</i>	<i>Session: Neotropical Phylogenetics and Phylogeography</i>	<i>Session: Neotropical Biogeography</i>
12:00	Endemism and diversity of caddisflies (Trichoptera) in an Andean elevation gradient. <i>Blanca Ríos-Touma</i>	The global distribution of morphological diversity in insect societies. <i>Jean-Philippe Lessard</i>	Salamanders of the Trans-Mexican Volcanic Belt: the microbiome in a phylogenetic context. <i>Julio García</i>	Distribución de las aves en la gradiente altitudinal de la cuenca media del río Marañón. <i>Manuel Roncal Rabanal</i>
12:15	Plant dispersal strategies of mountain top grassland communities across the Tropical Andes. <i>Carolina Tovar</i>	Application of the 'Humboldtian' interdisciplinary approach to reconstruct phytogeographic history. <i>Carina Hoorn</i>	Worldwide expansions and dispersals between tropical and extra-tropical zones underlay the reticulate assemblage of muscid flies in South America. <i>Peter Löwenberg-Neto</i>	Fauna urbana de la región metropolitana de São paulo, Brasil: antecedentes de un proyecto educacional de biogeografía del Antropoceno. <i>Yuri Rocha</i>
12:30	Vegetation trends over eleven years on mountain summits in NW Argentina. <i>Julieta Carilla</i>	Biogeographical insight into evolution of bird migration. <i>Bela Arora</i>		Variabilidad genética y estructura poblacional del sapo endémico de Colombia <i>Osornophryne percrassa</i> en Risaralda, Caldas y Quindío. <i>Manuela Montoya-Marín</i>
12:45	<b>Lunch break</b>			
	<i>Session: Diversity patterns along gradients</i>	<i>Session: Biodiversity Patterns and Maintenance</i>	<i>Session: Biogeography of the Anthropocene</i>	<i>Session: Neotropical Biogeography</i>
14:00	Distribución altitudinal de escarabajos del estiércol (Coleoptera: Scarabaeinae) en paisajes de la Amazonía ecuatoriana. <i>Jorge Celi</i>	Regional scale determinants of neotropical plant-herbivore communities: the role of plant defenses. <i>María-José Endara</i>	Challenges and opportunities for biogeography - can we still learn from von Humboldt? <i>Franziska Schrodt</i>	Testing hypothesized spatial legacies of the Great Biotic Interchange on Central American tree floras. <i>María Loza</i>
14:15	Is fern diversity highest at the equator? <i>Laura Salazar</i>	Climate-based hypotheses for geographic variation among endotherms physiology. <i>Francisco Bozinovic</i>	Hybridization, species invasions, and conservation: genetic admixture in the Anthropocene. <i>Amanda Chunco</i>	Why continental <i>Urania's</i> species have a disjunct distribution? <i>Claudia Nuñez Penichet</i>
14:30	The distributions of morphologically specialized hummingbirds coincide with floral trait matching across an Andean elevational gradient. <i>Jesper Sonne</i>	Principal factors controlling biodiversity along an elevation gradient: water, energy and their interaction. <i>Ole Vetaas</i>	Can plants predict soil, hydrology, and disturbance regimes in the páramos? <i>Mauricio Diazgranados</i>	Phyllostomid bats as a model to test zoogeographic units in Ecuador. <i>Nicté Ordoñez-Garza</i>
14:45	Elevational Range Sizes Increase with Climate Variability in the Tropical Andes. <i>J. Sebastián Tello</i>	Tropic- and Moisture-related mechanisms alternatively dominate the latitudinal patterns of evergreen broadleaved woody plants in moisture divergent context in China. <i>Zehao Shen</i>	Non-native freshwater fishes are morphologically different from native species. <i>Guohuan Su</i>	One clade, two histories: Phylogenetic niche conservatism and area drive megadiversity patterns of Dipsadidae, the richest Neotropical snake family. <i>Filipe Serrano</i>

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	<b>Teatro Calderón de la Barca</b>	<b>Teatro Casa Blanca</b>	<b>Salón Azul</b>	<b>Maxwell 107</b>
15:00	In the footsteps of Humboldt: species richness and phylogenetic structure of vascular plants along a Neotropical elevation gradient. <i>Fabrizio Villalobos</i>	So tight are the bonds among sciences: Humboldt's botanical arithmetic, climate contours, and the geographic distribution of plants. <i>Stephen Jackson</i>	Living on the edge – plant species persistence changes on range margins in Northern Europe during the 20th century. <i>Lauri Laanisto</i>	The Andean uplift effect on the Sigmodontinae (Rodentia: Cricetidae) evolutionary radiation. <i>Paulo Vallejos-Garrido</i>
15:15	Disturbance and the elevation ranges of woody plant species in the mountains of Costa Rica. <i>Miguel Muñoz Mazón</i>	Gene Flow and unexpected ancient Divergences in Western Palearctic Pond Turtles ( <i>Emys</i> spp.) <i>Melita Vamberger</i>	Critical biogeography of Andean treelines: A synthetic and geocritical perspective of the Humboldtian paradigm. <i>Fausto Sarmiento</i>	What the spatiotemporal distribution of Amazonian bamboo cohorts tells about their synchronised semelparity. <i>Kalle Ruokolainen</i>
15:30	<i>Coffee break</i>			
	<b>SYMPOSIUM: From the Andes to the Amazon: Zoological elevation patterns from Manu National Park, Peru.</b> <i>Organized by Alessandro Catenazzi &amp; Jill Jankowski</i>	<b>Session: Conservation Biogeography</b>	<b>Session: Biogeography of the Anthropocene</b>	<b>Session: Neotropical Biogeography</b>
16:00	Potential indirect impact of climate change on nestling growth for Tropical birds. <i>Karolina Fierro Calderón</i>	Combining future projections of land use scenarios and species distribution models. The case of native tree flora of southern South America. <i>César Benavidez Silva</i>	Invasiveness, chimerism and genetic diversity. <i>Rachel Ben-Shlomo</i>	Documentary Projection: Sky Islands, a time travel in the Andes Mountains. <i>Catalina Giraldo</i>
16:15	Hummingbird Incubation Behavior along a 3000m Tropical Montane Gradient. <i>Gustavo Londoño</i>	Amphibians: the biogeography and phylogeny of extinction. <i>Juan Manuel Guayasamin &amp; Carl Hutter</i>	Strong phylogenetic and spatial patterns found in the distribution of anti-infective activities across the flora of Java. <i>Alexandra Muellner-Riehl</i>	Climatic and dispersal filters drive phylogenetic and taxonomic beta diversity patterns of Amazon tree communities. <i>Juan Guevara</i>
16:30	Diversity, distributions and life histories of birds in the Peruvian Andes. <i>Jill Jankowski</i>	Fragmentation Effects on Species Richness and Distribution in Lowland Amazonia. <i>Gabriel Moulatlet</i>	Models and simulations to understand biological invasions: the case of <i>Duttaphrynus melanostictus</i> invasion in Madagascar. <i>Marlon Cobos</i>	Recent diversification of <i>Cratylia</i> genus in South America: From Atlantic forests to Peruvian Andes. <i>María Cristina López Roberts</i>
16:45	Phantom of epidemic (recent) past determine the elevational distribution of montane tropical frogs. <i>Alessandro Catenazzi</i>	Persistence of priority effects and their impact on the spatial structure and soil seedbank of a restored grassland. <i>Kiri Staiger</i>	La Guayaba en Galápagos: Genética e historia de una especie invasora. <i>Diego Urquía</i>	Speciation of birds from savanna-like vegetation in South America: the case of a pair of nighthawks <i>Nannochordeiles pusillus</i> (Aves: Caprimulgidae) in and out of the Amazon. <i>Alexandre Fernandes</i>
17:00	Life history diversification in lowland tropical forests: Why are antbirds successful? <i>Santiago David</i>	Conservation for a post-normal world. <i>Stephen Jackson</i>		Biogeografía histórica y diversificación de tres clados de <i>Pristimantis</i> (Anura, Strabomantidae) en relación con la orogenia andina. <i>María José Navarrete</i>
17:15	<b>Discussion</b>			Biogeographical patterns of dry inter-andean valleys in Ecuador. <i>Catalina Quintana</i>
17:30	<i>Walk to Poster Session (Hall Tesorería - Main Campus)</i>			
17:45	<b>POSTER SESSION</b>			
19:30				
19:45				
20:00	<i>Walk to Main Campus Entrance</i>			
20:15	<i>Bus to Quito</i>			

# THURSDAY, AUGUST 8<sup>th</sup>

## Shakespeare Theater

**PLENARY TALK:** The Origin of Elevational Replacements in Neotropical Birds: Uncovering the Roots of Humboldt's Elevational Zonation.

**Daniel Cadena**

*Walk to main campus*

*Coffee break*

	Teatro Calderón de la Barca	Teatro Casa Blanca	Salón Azul	Maxwell 107
	<b>SYMPOSIUM:</b> <i>Biogeography in the age of genomics: case studies at different spatial and temporal scales.</i> <i>Organized by Patricia Salerno &amp; Mónica Páez</i>		<b>Session: Historical and Palaeo Biogeography</b>	<b>Session: Biodiversity Patterns and Maintenance</b>
10:45	Revising the role for gene flow in contemporary population ecology, evolution, and conservation. <i>Sarah Fitzpatrick</i>	Effects of Climate Change and Deforestation on the Distribution of Dung Beetles (Scarabaeinae) in the Amazon Biome. <i>Jorge Celi</i>	The Hidden eruptions: revisiting paleoecological evidence in the search for past volcanic activity in the northern Andes. <i>Catalina González Arango</i>	Biogeographical patterns in American Asclepiadoideae (Apocynaceae). <i>Sigrid Liede-Schumann</i>
11:00	Using genomics to understand local adaptation of a poison frog species along elevational gradients in the Andes. <i>Mónica Páez-Vacas</i>	Unique responses to climate changes in geology-dependent habitats from the Mata Atlántica biodiversity hotspot. <i>Luíz Esser</i>	Quaternary Biogeography of Creosote Bush ( <i>Larrea tridentata</i> ) in the North American Deserts. <i>Camille Holmgren</i>	New insights on the role of the Ecuadorian Andes in generating evolutionary diversification. <i>Elisa Bonaccorso</i>
11:15	Diversification in the Neotropics: Insights from phylogenomic patterns, demographic processes and venom variation in lancehead pitviper snakes. <i>David Salazar-Valenzuela</i>	Tree species distribution comparisons across latitudinal gradients on the Pacific coasts of North and South America under climate change. <i>Taryn Fuentes-Castillo</i>	Integrating fossil, environmental, and genetic data in historical biogeographic inference. <i>Allan Strand</i>	Divergent melanism strategies in Andean butterfly communities structure diversity patterns and climate responses. <i>Pablo Padrón</i>
11:30	Genomics of Lost World frogs reveals complex evolutionary histories of nearby summit endemics. <i>Patricia Salerno</i>	Multi-population seedling and soil transplants simulate climate-driven migrations of a common tropical montane cloudforest tree species ( <i>Weinmannia bangii</i> ). <i>Richard Tito León</i>	Influence of the Quaternary on the vegetation dynamics of western Ecuador. <i>Sebastián Escobar</i>	Biome phylogenetic conservatism: how birds colonize new environments? An approach for galliformes. <i>Jonathan Pelegrín</i>
11:45	No DUH: the Dual-Umbilicus Hypothesis of Philippine Stream Frog Biogeography Reconsidered with More than 10,000 Genomic DNA Sequence Loci. <i>Rafe Brown</i>	Humpback whale winter distribution and core habitats in relation to SST in offshore and coastal areas off the coast of Ecuador. <i>Judith Denkinger</i>	Tempo of postglacial recolonization of the Laurentian Great Lakes by ciscoes ( <i>Actinopterygii</i> , <i>Coregoninae</i> ): a new phylogeographic hypothesis. <i>Julie Turgeon</i>	Spatial patterns of biodiversity and biogeographic regionalisation of north-western South America. <i>Diego Cisneros-Heredia</i>
12:00	On the Evolution of Theraphosidae: Phylogenomics of tarantulas unravels major genetic lineages and suggests a rapid diversification in the Americas. <i>Tim Lüddecke</i>	Climate Driven Changes in the Composition of New-World Flora. <i>Kenneth Feeley</i>	Persistent Quaternary climate refugia are merely hospices for biodiversity in the Anthropocene. <i>Stuart Brown</i>	Patterns of beta diversity of Neotropical salamanders. <i>Zeltzin Rodríguez Ortíz</i>
12:15	<b>Discussion</b>	Mountain species lag behind current warming: What does it take to reach equilibrium? <i>John-Arvid Grytnes</i>	Global-scale patterns of plant diversity in relation to mountain geodiversity and past climate change: the "mountain-geobiodiversity hypothesis" put at test. <i>Alexandra Muellner-Riehl</i>	The role of behaviour in community assembly: Social spiders as a case study. <i>Leticia Avilés</i>
12:30	<b>Lunch break</b>			

	<b>THURSDAY, AUGUST 8<sup>th</sup></b>			
14:00	<b>Shakespeare Theater</b> <b>PLENARY TALK: Del viaje de Humboldt a los viajes del Instituto Humboldt: 200 años de exploraciones en biodiversidad</b> <b>Brigitte Baptiste</b>			
14:15				
14:30				
14:45				
15:00	<i>Walk to main campus</i>			
15:30	<i>Coffee break</i>			
	<b>Teatro Calderón de la Barca</b>	<b>Teatro Casa Blanca</b>	<b>Salón Azul</b>	<b>Maxwell 107</b>
	<i>Session: Genomics Biogeography</i>	<i>Session: Climate Change Biogeography</i>	<i>Session: Marine Biogeography</i>	<i>Session: Biodiversity Patterns and Maintenance</i>
16:00	Comparative phylogeography and adaptive genomics in the Atlantic Forest of Brazil, using genome-wide SNPs and spatially explicit climatic data. <i>Laura Bertola</i>	Geographical history of stoneflies (Insecta: Plecoptera): review and extremes of adaptations in environmentally sensitive species. <i>Charles Riley Nelson</i>	Introgressive hybridisation between two widespread sharks in the east Pacific Region. <i>Diana Pazmiño</i>	Biogeografía estacional: implicaciones de la variación climática anual en las estrategias ecológicas de actividad y distribución de las especies. <i>Octavio Rojas Soto</i>
16:15	Unveiling the biogeographic history of Ecleopodini tribe (Squamata: Gymnophthalmidae) through genomic data. <i>Sergio Marques de Souza</i>	Applying fuzzy logic to assess the biogeographical risk of dengue in South America. <i>Raimundo Real</i>	Evolutionary history of the Scleractinian corals distribution. <i>Ana Campoy</i>	Current environmental variables explain the species richness pattern of reef-fishes from the families Chaenopsidae and Labrisomidae in the Atlantic West and Eastern Pacific oceans. <i>Claudia Hurtado</i>
16:30	Genetic structure of an ancient tropical tree species at multiple geographical scales: divergence across continents, regional gene pools and within-populations. <i>Santiago González-Martínez</i>	A model for plant growth and application to understand the impact of regional scale warming on the distribution of biomass in Ecuador (BIOc Model). <i>Paulina Rosero</i>	A remotely sensed high resolution map of the giant kelp forest ecosystem in the world ocean. <i>Alejandra Mora-Soto</i>	Drivers of acoustic variation at multiple evolutionary scales in glassfrogs. <i>Angela María Mendoza Henao</i>
16:45	Comparative geogenomics of three mountain species of <i>Geonoma</i> Wild. (Arecaceae) in the Cordilleras of Colombia. <i>María Sanín</i>	Directional changes in an Amazonian forest. <i>Renato Valencia</i>	Fiddler crabs distribution in Ecuador: using biodiversity as an indicator of ecosystem health. <i>Mariana Capparelli</i>	Using gradient metrics to determine landscape traits that enhance biodiversity. <i>Annie Smith</i>
17:00	Using RADseq to understand the circum-Antarctic distribution of the lichenized fungus <i>Pseudocyphellaria glabra</i> (Ascomycota, Peltigeraceae). <i>Todd Widhelm</i>	Amphibian diversity under climate change and the efficiency of protected areas in the High Paraguay Basin. <i>Matheus Neves</i>	Distribución biogeográfica de octocorales de los géneros <i>Muricea</i> y <i>Leptogorgia</i> en el frente ecuatorial del Pacífico Tropical Oriental. <i>Rubén Abad</i>	Geography and drivers of genetic diversity in terrestrial mammals. <i>Spyros Theodoridis</i>
17:15			Diversidad y distribución biogeográfica de ascidias en Ecuador. <i>Gabriela Agurto Rodríguez</i>	Ecological specialization and Macroevolutionary patterns and process: First analytical approach of resource-use hypothesis in american amphibians. <i>Viviana Castrillón Cifuentes</i>
17:30	<i>Walk to Cuadrángulo (Main Campus)</i>			
18:00	<b>PARTY</b> ( <i>Main campus - Cuadrángulo</i> )			
19:00				
20:00				
20:30				
22:00	<i>Walk to main campus entrance</i>			
22:30	<i>Bus to Quito</i>			



# FRIDAY, AUGUST 9<sup>th</sup>

10:00	<b>Shakespeare Theater</b>	
10:15	<b>PLENARY TALK:</b> The importance of species inventories to decipher diversification patterns on islands: lessons from Madagascar's amphibians and reptiles.	
10:30	<b>Miguel Vences</b>	
10:45	<i>Walk to main campus</i>	
	<b>Calderón de la Barca</b>	<b>Teatro Casa Blanca</b>
	<i>Session: Methods in Biogeography</i>	<i>Session: Freshwater Biogeography</i>
11:00	New satellite observations for developing cloud climatologies at both high spatial and high temporal resolution for biogeographical applications. <i>Michael Douglas</i>	Stream capture and vicariance events in the Northern Andes explains the genetic discontinuity of <i>Hoplias malabaricus</i> (Bloch, 1794) (Teleostei: Erythrinidae) in the Magdalena River. <i>Nicole Ibagón</i>
11:15	Delineating parapatric ranges using species distribution models and support vector machines: an example with three-toed sloths. <i>Cecina Babich Morrow</i>	Biogeographical legacies constrain invertebrate and diatom metacommunity structure within a heterogeneous basin. <i>Juan González-Trujillo</i>
11:30	Expanding Wallace species distribution modeling software to support national biodiversity change indicator calculations. <i>Peter Galante</i>	Pleistocene river systems and frogs: understanding evolutionary history of the Sumatran ranids with gastromyzophorous tadpoles. <i>Umilaela Arifin</i>
11:45	A biogeographic event model under a dynamic geography. <i>J. Salvador Arias</i>	Global patterns of coupled genetic diversity and structure across freshwater insect species. <i>Sofía Salinas Ivanenko</i>
12:00	Mining literature to unlock primary biodiversity data: Biodiversity Observations Miner v.1. 1.. <i>Gabriel Muñoz</i>	Landscape Controls on River Networks and Biodiversity. <i>Nathan Lyons</i>
12:15	Testing GDMs as a tool to find new species: a case study with eBird data in Colombia. <i>Jorge Velásquez Tibatá.</i>	Efectos ecológicos y biogeográficos en la diversidad de anfibios en ríos andinos del Ecuador. <i>Diego Andrade</i>
12:30	Biogeography of Atacama: from the naturalists' views to modern pattern analysis. <i>Andrés Moreira-Muñoz</i>	Distribución espacial y relaciones interespecíficas de la macrófita acuática <i>Ranunculus limoselloides</i> con otras plantas en un gradiente de elevación en páramos venezolanos. <i>Milena Cárdenas</i>
12:45	<i>Lunch break</i>	
14:00	<b>Teatro Calderón de la Barca</b>	
14:15	<b>SPECIAL TALK:</b> Can we realize the vision of Alexander von Humboldt's "Kosmos" in the 21st century? <i>Susanne A. Fritz</i>	
14:30	<b>Teatro Calderón de la Barca</b>	
	<b>PLENARY TALK:</b> Imbabura and Chimborazo: two geodetic landmarks at the dawn of biogeography <b>Alberto Gómez Gutiérrez</b>	
15:15	<i>Coffee break</i>	
15:30	<i>Coffee break</i>	

	<b>FRIDAY, AUGUST 9<sup>th</sup></b>	
	<b>Teatro Calderón de la Barca</b>	<b>Teatro Casa Blanca</b>
		<i><b>SYMPOSIUM: Raíces históricas de la biogeografía: de los pueblos andinos, pensadores criollos, Humboldt y los Humboldtianos.</b></i> <i>Organized by Elisa Sevilla</i>
15:45	<b>SPECIAL TALK: Diversification of Frogs in a Dynamic Environment.</b> <i>Andrew Crawford</i>	<b>Paradigmas de las verticalidades.</b> <i>Jorge Canizares Esquerro</i>
16:00		<b>La información histórica para la biogeografía de hoy.</b> <i>Diego Cisneros-Heredia</i>
16:15		<b>Las tecnologías americanas, biodiversidad ecuatorial y la biogeografía de Humboldt.</b> <i>Elisa Sevilla</i>
16:30		<b>El orientalismo germanista de Humboldt llevado a América. Mesa redonda: Raíces históricas de la biogeografía. De los pueblos andinos, pensadores criollos, Humboldt y los Humboldtianos.</b> <i>Mark Thurner</i>
16:45		<b>Discussion</b>
17:00	<b>Teatro Calderón de la Barca</b> <b>Award &amp; Closing Ceremony</b>	
17:45	<i>Bus to Quito (leaves from Main Campus entrance)</i>	