

## Applied Biomonitoring

- A1 Kiran Ahirrao** Department of Zoology, Rani Laxmibai College, India  
Mosquito surveillance using DNA barcoding can help in vector-borne disease control
- A2 Markus Majaneva** NTNU University Museum, Norway  
Environmental barcoding of aquatic invertebrates in Norway (EBAI)
- A3 Steve Woods** University of Waikato, New Zealand  
Testing the waters: Using NGS to monitor zooplankton communities



## Barcoding Biodiversity Hotspots

- A4 Justin Bernstein** Villanova University, USA  
Phylogenetic analysis, species identification and delimitation of New Caledonian geckos and skinks using DNA barcoding
- A5 Lim Voon Ching** Museum of Zoology and Ecology & Biodiversity Program, University of Malaya, Malaysia  
Progress in DNA barcoding the bats of peninsular Malaysia
- A6 Patricia Cortés-Calva** Centro de Investigaciones Biológicas del Noroeste SC, México  
Genetic variation of endemic and endangered species of insular rodent from México
- A7 Ali A. Dönmez** Hacettepe University, Turkey  
Barcoding Turkish Geophytes: A new initiative for understanding biodiversity and taxonomy
- A8 Ian Kendrick C. Fontanilla** Institute of Biology, University of the Philippines - Diliman, Philippines  
DNA barcoding of Philippine Helicarionidae (Mollusca: Gastropoda)
- A9 Hugo Rebelo** CIBIO/InBIO, Portugal  
BARCODING.MED: building a high taxonomic resolution database for the Mediterranean basin
- A10 Bradley Zlotnick** San Diego Barcode of Life, USA  
The San Diego Barcode of Life: Launching a regional DNA barcode campaign in a globally important biodiversity hotspot

## Barcoding Medicinal Plants

- B1 Fernando Hernandez-Godinez** Langebio-Cinvestav Irapuato, México  
DNA barcoding of *Croton draco* var. *draco* Schltld. & Cham., an ethnomedicinal resource for traditional indigenous doctors from Veracruz, México
- B2 Santhosh Kumar J.U.** Department of P. G. Studies & Research in Biotechnology, Kuvempu University, India  
Estimating the extent of adulteration in highly traded medicinal plants in herbal raw drugs market in South India
- B3 Saloni Malik** University of Delhi, India  
DNA barcode reference library for Indian medicinal plants of high trade volume
- B4 Guilherme Oliveira** Vale Institute of Technology, Brazil  
Medicinal plants recommended by the World Health Organization: DNA barcode identification associated with chemical analyses guarantees their quality
- B5 Maslin Osathanunkul** Department of Biology, Faculty of Science, Chiang Mai University, Thailand  
Authenticating Thai herbal products, Boraphet: *Tinospora crispa* (Menispermaceae) by DNA barcoding coupled with high resolution melting analysis
- B6 Sathishkumar Ramalingam** Bharathiar University, India  
Ethnobotany genomics – Use of DNA barcoding to explore cryptic diversity in medicinally important plants in the Indian subcontinent
- B7 Francinah Ratsoma** African Centre for DNA Barcoding, South Africa  
A compendium of locally harvested trees traded as traditional medicine at the Faraday “Muthi” market in Johannesburg, South Africa

## Barcoding Medicinal Plants (cont.)

- B8 Dhivya Shanmughanandhan** Bharathiar University, India  
DNA barcodes for authentication of commercially important Indian spices
- B9 Dhivya Shanmughanandhan** Bharathiar University, India  
DNA barcodes in resolving the taxonomic nomenclature of *Pseudoxytenanthera stocksii* endemic to the Western Ghats, India
- B10 Dhivya Shanmughanandhan** Bharathiar University, India  
Confirmation of genetic diversity in morphologically distinct accessions of the *Solanum nigrum* L. complex using DNA barcodes
- B11 Dhivya Shanmughanandhan** Bharathiar University, India  
DNA-based technologies for authentication of herbs and its admixtures – A review
- B12 Bhavisha P. Sheth** CPBGE, Department of Biosciences, Saurashtra University, India  
Evaluation of four barcoding loci in the class Calyciflorae (phylum: Polypetalae- dicotyledons)
- B13 Bhavisha P. Sheth** CPBGE, Department of Biosciences, Saurashtra University, India  
Molecular phylogenetic analysis of *Cassia* species using DNA barcoding
- B14 Linchun Shi** Institute of Medicinal Plant Development, CAMS & Peking Union Medical College, China  
TCM-Identifier: An integrated and user-friendly software package for species identification of Traditional Chinese herbal materials
- B15 Samantha Jo Worthy** Columbus State University, USA  
Evaluation of the relation between phytochemical composition and genetic diversity in tropical plant species using DNA barcodes

## Barcoding Type Specimens and Collections

- B16 Adriana Guzman-Larralde** Facultad de Ciencias Biológicas, UANL, México  
Recovery of nucleic acids from microhymenopterans with four non-destructive methodologies and considerations for museum slides preparations

## Biosurveillance

- C1 Geetika Banta** Punjab Agricultural University, India  
Molecular identification of mango hoppers infesting mango trees in Punjab through DNA barcoding
- C2 Kristy Deiner** Notre Dame University, USA  
Using environmental DNA to track non-indigenous species in shipping ports
- C3 Carlos Gutiérrez Gutiérrez** NemaLab/ICAAM, Universidade de Évora, Portugal  
Integrative approach and molecular barcoding of dagger and needle nematodes infesting grapevine soils in Portugal
- C4 Carlos Gutiérrez Gutiérrez** NemaLab/ICAAM, Universidade de Évora, Portugal  
Potato cyst nematodes infesting potato fields in Ecuador: integrative diagnosis and molecular phylogeny
- C5 Mehrdad Hajibabaei** Biodiversity Institute of Ontario, University of Guelph, Canada  
The feasibility of detecting an Asian Carp invasion using environmental DNA and Next-Generation Sequencing
- C6 Sushil K. Jalali** National Bureau of Agricultural Insect Resources, India  
Quantification of diversity of agriculturally important insects through DNA barcoding
- C7 Jun Hyung Jeon** Microbiological Resource Center, KRIBB, Korea  
A DNA barcode reference library for Asian quarantine pests
- C8 R. L. Rengarajan** Center for Pheromone Technology, Bharathidasan University, India  
DNA barcoding of rodent pests in South India
- C9 Mélanie Roy** Fisheries and Oceans Canada, Canada  
Protection of Canadian biodiversity and trade through improved ability to monitor invasive freshwater fish
- C10 Rodolfo Santos** CIBIO Azores, Department of Biology, University of the Azores, Portugal  
Genetic characterization of the red algae *Asparagopsis armata* and *Asparagopsis taxiformis* (Bonnemaisoniaceae) from the Azores

## Biosurveillance (cont.)

- C11 Anant Shinde** Department of Zoology, Yashwantrao Chavan Arts and Science Mahavidyalaya, India  
DNA barcode-based true bugs (Heteroptera) surveillance for agriculture crops from Maharashtra
- C12 Nathalie Smitz** Royal Museum for Central Africa / University of Liège, Belgium  
DNA barcoding identifies an introduced hover fly species (Diptera: Syrphidae: Syrphinae) in the Afrotropics
- C13 Mitsuaki Sutou** University of Tokyo, Japan  
DNA barcodes of Japanese *Merodon* hoverflies (Diptera, Syrphidae): high morphological variation and low haplotype diversity of the invasive species
- C14 Thiruvengadam Venkatesan** National Bureau of Agricultural Insect Resources, India  
Molecular Identification of Egg parasitoid, *Trichogramma* species of India using COI and ITS-II regions and their phylogenetic relationships
- C15 Guang K. Zhang** McGill University, Canada  
Detection of aquatic invasive species and biodiversity assessment in Canadian ports

## Community Assembly

- C16 Sarah J. Adamowicz** Biodiversity Institute of Ontario, University of Guelph, Canada  
Detecting signatures of competition from observational data: a novel approach combining DNA barcoding, diversity partitioning, and checkerboards at small spatial scales
- C17 Johan Pansu** LECA, CNRS-University Grenoble Alpes, France  
Contrasting soil biodiversity patterns along an altitudinal gradient

## Conservation and Biodiversity Forensics

- D1 Lyda R. Castro** Universidad del Magdalena, Colombia  
Utility of the ribosomal DNA ITS2 region for the identification of Calliphoridae (Diptera: Calliphoridae) of forensic importance in Colombia
- D2 Juliana Cordeiro** Universidade Federal de Pelotas, UFPel, Brazil  
DNA barcodes of *Oxysarcodexia* genus (Diptera: Sarcophagidae) from South Brazil
- D3 Greiciane Gaburro Paneto** Federal University of Espirito Santo, Brazil  
Identifying road-killed animals in a Brazilian Biological Reserve crossed by a highway using DNA barcodes
- D4 Francisco de Paula Careta** Federal University of Espirito Santo, Brazil  
Identifying forensic species of Diptera in Southeast Brazil using DNA barcodes
- D5 Sureshchandra Zambare** Paul Hebert Centre for DNA Barcoding and Biodiversity Studies, India  
Identification of calliphorid flies in their different life stages using DNA barcoding can improve the success of forensics investigations

## Detection of eDNA

- D6 Sarah J. Adamowicz** Biodiversity Institute of Ontario, University of Guelph, Canada  
Balancing sensitivity and specificity in primer design for eDNA studies using ePRIMER
- D7 Iliana Bista** Bangor University, UK  
Monitoring lake ecosystem health using metabarcoding of environmental DNA: temporal persistence and ecological relevance
- D8 Erin Doyle** University of Waikato, New Zealand  
Finding who: Detection of blue duck using environmental DNA
- D9 Kevin Morey** Biodiversity Institute of Ontario, University of Guelph, Canada  
Identification of diverse fish species in a closed aquarium environment using eDNA

## Education and Barcoding

- D10 Natasha de Vere** National Botanic Garden of Wales and Aberystwyth University, UK  
Barcode UK – Beyond the visible: A science/art collaboration

## Fish Barcode of Life

- E1 Md. Sagir Ahmed** University of Dhaka, Bangladesh  
DNA barcoding of small indigenous fish species (SIS) from Tanguar Haor, Bangladesh
- E2 Paulo Roberto Antunes de Mello Affonso** Universidade Estadual do Sudoeste da Bahia, Brazil  
Integrative taxonomy reveals cryptic species and unusual speciation pathway in flounders (Pleuronectiformes: *Bothus*) from Brazilian coast
- E3 Paulo Roberto Antunes de Mello Affonso** Universidade Estadual do Sudoeste da Bahia, Brazil  
Efficiency of DNA barcoding in the identification of flatfish (Pleuronectiformes) from the Brazilian coast
- E4 Paulo Roberto Antunes de Mello Affonso** Universidade Estadual do Sudoeste da Bahia, Brazil  
DNA barcoding of coastal ichthyofauna from Bahia, northeastern Brazil, South Atlantic: high efficiency for systematics and identification of cryptic diversity
- E5 Silvia Britto Barreto** Universidade Estadual do Sudoeste da Bahia, Brazil  
DNA barcoding reveals cryptic species and high genetic divergence in pearl cichlid of *Geophagus brasiliensis* complex from northeastern Brazil
- E6 Silvia Britto Barreto** Universidade Estadual do Sudoeste da Bahia, Brazil  
Is *Nematocharax* (Actinopterygii, Characiformes) a monotypic fish genus?
- E7 Danielle Bourque** Biodiversity Institute of Ontario, University of Guelph, Canada  
DNA barcoding of larval fish and egg samples produced from the driftnetting of two Lake Simcoe tributaries
- E8 Hwang Chang Nam** Ministry of Oceans and Fisheries, Republic of Korea  
Identification of six skate species by means of multiplex PNA fluorescence melting curve analysis
- E9 Letha P. Cheriyan** Mar Thoma College, India  
Riverine barcoding: A proposed DNA barcoding study on the freshwater fish species of Meenachil River of Kerala, India
- E10 Yareli Cota-Valentin** El Colegio de la Frontera Sur-Unidad Chetumal, México  
Advances in the identification of tuna larvae, *Auxis*, from western central Atlantic using DNA barcoding
- E11 Juan Díaz** IBR-CONICET, Argentina  
First DNA barcode reference library for the identification of South American freshwater fish from Lower Paraná River
- E12 Gulab Khedkar** Paul Hebert Centre for DNA Barcoding and Biodiversity Studies, India  
One fish many stories
- E13 Elva María Leyva Cruz** El Colegio de la Frontera Sur, México  
Who laid the egg? Establishing the identity, distribution and abundance of fish eggs in the Mexican Caribbean with barcodes
- E14 Ma. Josefa R. Pante** Marine Science Institute, University of the Philippines, Philippines  
DNA barcoding of selected Philippine pomacentrids
- E15 Jarrett D. Phillips** Biodiversity Institute of Ontario, University of Guelph, Canada  
An exploration of sufficient sampling effort to describe intraspecific DNA barcode haplotype diversity: examples from the ray-finned fishes (Chordata: Actinopterygii)
- E16 Thomas C. A. Royle** Ancient DNA Laboratory, Simon Fraser University, Canada  
Using mini-barcodes to investigate the species composition of the Late Holocene (3.500 to 200 years BP) fishery at EeRb-144, British Columbia, Canada
- E17 Mudjekeewis D. Santos** Genetic Fingerprinting Laboratory, NFRDI, Philippines  
DNA barcoding of Philippine fish: First record of marine species in a biodiversity hotspot
- E18 Izabela Santos Mendes** PUC-MG, Laboratório de Genética da Conservação, Brazil  
Recent adaptive origin of the cave fish *Ancistrus cryptophthalmus*
- E19 Sergei Turanov** A.V. Zhirmunsky Institute of Marine Biology FEB RAS, Russia  
Molecular-phylogenetic reconstruction and taxonomic investigation of eelpouts (Cottoidei: Zoarcales) based on two mitochondrial genes
- E20 Lourdes Vasquez-Yeomans** El Colegio de la Frontera Sur, México  
Distribution and identification of larval billfish (Istiophoridae) in the Gulf of México and Caribbean using DNA barcoding

## Food Authenticity and Safety

- F1 Ferrari Angelo** Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Italy  
DNA barcoding for food safety and health consumer: the Italian experience
- F2 Wai-yan Ha** 7/F, Government Offices, Kowloon, Hong Kong  
DNA barcoding helps to fight against frauds – A case study of authentication of deer products
- F3 Santhosh Kumar J. U.** Ashoka Trust for Research in Ecology and the Environment, India  
DNA barcoding of dye-yielding plants from South India
- F4 Ashok Mohekar** Department of Zoology, SMD Mohekar College, India  
Validation of commercially important fish of India
- F5 Stephanie Sarmiento Camacho** Escuela de Biología, BUAP, México  
What are you really eating in México? A preliminary study on the fish fillets

## Food Webs and Trophic Interactions

- F6 David Bennett** Queen Mary University of London, UK  
Barcoding as a tool to assess trophic impacts in an experimental deforestation site in Borneo
- F7 Lyeping Fang** College of Ocean and Earth Sciences, Xiamen University, China  
Molecular detection of *in situ* dietary composition of *Calanus sinicus* in Taiwan Strait
- F8 Joel Gibson** Biodiversity Institute of Ontario, University of Guelph & Environment Canada, Canada  
Determining grasshopper (Orthoptera: Acrididae) diet and niche overlap using high-throughput sequencing and DNA barcodes recovered from gut contents
- F9 Josephine Hyde** Australian Centre for Evolutionary Biology & Biodiversity, University of Adelaide, Australia  
Subterranean pool party: determining the trophic links between subterranean invertebrates in a groundwater system in Western Australia
- F10 Keiko Kishimoto-Yamada** The University of Tokyo, Japan  
DNA barcoding plant-insect interactions in a tropical rainforest
- F11 Hernani Fernandes Magalhaes de Oliveira** Queen Mary University of London, UK  
DNA barcoding unravels the role of morphology and echolocation in bat-insect relationships in Jamaica
- F12 Tiago Souto Martins Teixeira** Queen Mary University of London, UK  
Using DNA barcoding to document interactions among bats, insects and plants in the highly fragmented Atlantic forest of Brazil
- F13 Hugo Rebelo** CIBIO/InBIO, Portugal  
Diet analysis of European free-tailed bats *Tadarida teniotis* using high-throughput sequencing

## Freshwater Biodiversity

- G1 Clare Beet** University of Waikato, New Zealand  
Assessing the diversity of New Zealand freshwater “EPT” macroinvertebrates
- G2 Gemma Collins** University of Waikato, New Zealand  
An assessment of New Zealand rotifer diversity and global affinities using COI barcodes
- G3 Daniel Erasmus** University of Northern British Columbia, Canada  
DNA barcoding of *Skwala* stoneflies from north-central British Columbia reveals potential new species
- G4 Kshama Khobragade** Department of Environmental Science, S. B. Science College, Aurangabad, India  
Freshwater zooplankton diversity and distribution pattern in the Godavari River revealed by COI gene sequences
- G5 Ana L. Martínez-Caballero** Master of Biological Science, UATx, USA  
Highlights and new discoveries in the Mexican Cladocera
- G6 Carlos I. Molina A.** Instituto de Ecología, Universidad Mayor de San Andrés, Bolivia  
Associating larvae and adults of high Andean aquatic insects: a preliminary analysis using DNA barcoding
- G7 Lucia Montoliu Elena** UNAM and El Colegio de la Frontera Sur - Chetumal Unit, Chetumal, México  
Who is *Moina micrura*? An example of how barcodes can help to clarify highly confused species



## Freshwater Biodiversity (cont.)

- G8 Pei-yin Ng** University of Malaya, Malaysia  
Placing the freshwater bivalves (Unionoida) of peninsular Malaysia on the bivalve tree of life
- G9 Eric A. Paez-Parent** Biodiversity Institute of Ontario, University of Guelph, Canada  
Ancient Lake Titicaca as an evolutionary arena for morphological diversification in *Hyalella* amphipods
- G10 Morgan Riding** University of Waikato, New Zealand  
Assessing invertebrate dispersal among restored streams in the North Island of New Zealand using DNA barcoding

## Fungal Biodiversity

- G11 Genevieve Laperriere** Université du Québec à Trois-Rivières, Canada  
Development of a molecular detection test, based on the polymerase chain reaction (PCR) technology, to detect specific mushroom DNA in soil samples

## Informatics Tools and Analysis of Large Data Sets

- G12 Vasco Elbrecht** Ruhr University Bochum, Germany  
PrimerMiner: An R package for the development of universal barcoding primers and mini barcodes using partial COI sequences
- G13 Robert Hanner** Biodiversity Institute of Ontario, University of Guelph, Canada  
Evolving the concept, and use, of DNA barcode libraries
- G14 Anjali Silva** Dept. of Mathematics & Statistics, University of Guelph, Canada  
Model-based clustering techniques for analyzing RNA-seq data

## Lepidoptera Diversity and Distributions

- H1 Takatoshi Abe** Hokkaido University, Japan  
DNA barcoding of *Oeneis* butterflies newly sampled in Mongolia
- H2 Bong-Kyu Byun** Hannam University, Republic of Korea  
Preliminary analysis of generic relationship of tribes Eucosmini and Enarmoniini (Lepidoptera: Tortricidae) using DNA barcodes in Korea
- H3 Kshanika Goonesekera** Open University of Sri Lanka, Sri Lanka  
DNA barcoding reveals a possible cryptic species complex of *Mycalesis mineus*: a case study from Sri Lanka
- H4 David Hik** University of Alberta, Canada  
New subspecies of an Arctic moth from SW Yukon: evolutionary and ecological novelty
- H5 Utsugi Jinbo** National Museum of Nature and Science, Japan  
DNA barcoding of the tribe Archipini (Lepidoptera, Tortricidae, Tortricinae) in Japan, with notes on the geographic variations of widely distributed species
- H6 Kyung Min Lee** Insect Genomics Group, University of Oulu, Finland  
Species delimitation of *Eupithecia* (Lepidoptera: Geometridae) using a ddRAD-Seq approach
- H7 Valentina Todisco** University of Vienna, Austria  
The origin of the Sardinian Blue, *Pseudophilotes barbaggiae* (Lepidoptera, Lycaenidae): Out-of-Europe or Out-of-Africa?

## Marine Biodiversity

- H8 Ilisa C. Antunes** CBMA - Centre of Molecular and Environmental Biology, Portugal  
Comparison between morphological and DNA barcode-suggested species boundaries among shallow-water amphipod fauna from the southern European Atlantic coast
- H9 Wenqing Cao** College of Ocean and Earth Sciences, Xiamen University, China  
Molecular and morphological evidence for underestimated biodiversity of *Clytia* (Cnidaria Hydrozoa) in China Sea, with description of three new species
- H10 Filipe O. Costa** Centre of Molecular and Environmental Biology, Portugal  
Priming a DNA barcode library for marine Gastropoda of the continental Portuguese coast and Azores Islands

## Marine Biodiversity (cont.)

- H11 Biju Kumar A.** University of Kerala, India  
DNA barcoding of sea cucumbers (Echinodermata: Holothuroidea) of the southwest coast of India
- H12 Lourdes Vasquez-Yeomans** El Colegio de la Frontera Sur Unidad Chetumal, México  
Advance in the identification of Palinuridae and Scyllaridae phyllosomas using DNA barcoding in front of the coast of the Mexican Caribbean
- H13 Lianming Zheng** College of Ocean and Earth Sciences, Xiamen University, China  
DNA barcoding of Hydromedusae in Taiwan Strait for species identification
- H14 Hong Zhou** Ocean University of China, China  
Barcoding Chinese marine nematodes with mitochondrial cytochrome c oxidase subunit I (COI) and small subunit 18S rDNA (18S)

## Molecular Evolution

- H15 Pablo D. Lavinia** Division Ornitología, Museo Argentino de Ciencias Naturales, Argentina  
Calibrating the molecular clock beyond cytochrome b: assessing the evolutionary rate of COI in birds
- H16 T. Fatima Mitterboeck** Biodiversity Institute of Ontario, University of Guelph, Canada  
Molecular evolutionary rates in freshwater vs. terrestrial insects

## National Barcoding Networks

- J1 Arely Martínez Arce** El Colegio de la Frontera Sur, México  
Mexican DNA Barcoding Lab (Chetumal-Node): Six years after
- J2 Badrul Amin Bhuiya** BRGB, Department of Zoology, University of Chittagong, Bangladesh  
Popularizing DNA barcoding in the identification of agricultural pests and their natural enemies in Bangladesh
- J3 Gontran Sonet** OD Taxonomy and Phylogeny, Royal Belgian Institute of Natural Sciences, Belgium  
A special issue on DNA barcoding edited by the Belgian Network for DNA Barcoding (BeBoL)
- J4 Yerlan Turuspekov** Institute of Plant Biology and Biotechnology, Kazakhstan  
Plant DNA barcoding project in Kazakhstan

## Next Generation Platforms and Analytical Pipelines

- J5 Qiushi Li** Institute of Medicinal Plant Development, Peking Union Medical College & CAMS, China  
High-accuracy *de novo* assembly and SNP detection of chloroplast genomes for DNA-barcoding studies
- J6 Jerome Moriniere** Bavarian State Collection of Zoology, Bavaria, Germany  
Species identification in Malaise trap samples by DNA barcodes using NGS – A “scoring matrix” of 4 amplicons
- J7 Seikoh Saitoh** Tropical Biosphere Research Center, University of the Ryukyus, Japan  
DNA metabarcoding of springtails (Collembola)
- J8 Shiliang Zhou** State Key Laboratory of Systematic and Evolutionary Botany, Institute of Botany, CAS, China  
DNA barcode of rare and endangered plants

## Parasites and Vectors

- J9 Rahuel Jeremías Chan Chable** Instituto Tecnológico de Chetumal, México  
DNA barcoding of mosquitoes (Culicidae) in the Yucatán Peninsula
- J10 Juliana Cordeiro** Universidade Federal de Pelotas, Brazil  
The use of DNA barcodes in the identification of *Biomphalaria* species (Mollusca: Planorbidae) for schistosomiasis control
- J11 Rosie Drinkwater** Queen Mary University London, UK  
The effect of rainforest fragmentation on tropical mammals using leech blood-meal analysis and DNA barcoding
- J12 Luis M. Hernández-Triana** Animal and Plant Health Agency, UK  
Collection data of black flies, mosquitoes, and sand flies of México for further DNA barcode study
- J13 Erdene Ochir Tseren Ochir** Avian Disease Laboratory, Konkuk University, Republic of Korea  
Integration of DNA barcoding for surveillance of Avian influenza and Newcastle disease in migratory birds

## Parasites and Vectors (cont.)

- J14 David Omondi** International Centre of Insect Physiology and Ecology, Kenya  
Blood meal analysis and virus detection in blood-fed mosquitoes collected during the 2006–2007 Rift Valley Fever outbreak in Kenya
- J15 Nathalie Smitz** Royal Museum for Central Africa / University of Liège, Belgium  
Identification of Belgian mosquito species (Diptera: Culicidae) by DNA barcoding
- J16 María G. Velarde-Aguilar** Estación de Biología Chamela, Instituto de Biología, UNAM, México  
Utility of DNA barcodes for the identification of parasitic nematodes

## Phylogeography & Geographic Patterns of Speciation

- K1 Duminda S. B. Dissanayake** University of Peradeniya, Sri Lanka  
Phylogeography of the Indian Cobra (*Naja naja*) reveals genetically divergent populations between the Indian subcontinent and Sri Lanka
- K2 Aude Lalis** Muséum National d'Histoire Naturelle, France  
Comparative phylogeography and population genetic structure of 10 widespread small vertebrate species in Morocco
- K3 Michelle N. Pyle** Biodiversity Institute of Ontario, University of Guelph, Canada  
Mode and tempo of diversification of *Hyalella* (Crustacea: Amphipoda) in ancient Lake Titicaca
- K4 Anna M. Solecki** Department of Integrative Biology, University of Guelph, Canada  
Phylogeography of Diptera in northern North American glacial refugia

## Plant Barcoding

- K5 Daniel Awomukwu** Federal University Otuoke, Bayelsa State, Nigeria  
DNA barcoding, identification and validation of the genus *Phyllanthus* in Nigeria using rbcL and matK genetic markers and the taxonomic implication
- K6 Kylie Bucalo** Columbus State University, Atlanta Botanical Garden, USA  
Evaluating the evolutionary and genetic relationships among the Andean orchids of Ecuador
- K7 Ahmed Gawhari** University of Reading, UK  
Identifying *Malva* species in Libya through DNA barcodes techniques, using four candidate DNA barcoding markers
- K8 Xue-Jun Ge** South China Botanical Garden, China  
Testing DNA barcoding of the recently diverged species in the genus *Gentiana* (Gentianaceae)
- K9 Mohamed Helmy** The Donnelly Centre, University of Toronto, Canada  
Assessment of candidate DNA barcoding loci for the wheat and grass family Poaceae in Egypt
- K10 Ambadas Kadam** Department of Botany, DSM College, India  
DNA barcoding of aquatic plants may aid in understanding species diversity and evolutionary relationships
- K11 P. Karthick** Pondicherry University, India  
DNA barcoding of green algae *Caulerpa* species (Caulerpaceae, Chlorophyta) from Andaman Islands, India
- K12 Ezgi Çabuk Şahin** Marmara University, Turkey  
Approaches for identification of *Colchicum* L. species in the flora of Turkey by morphological parameters and DNA barcoding

## Plant Barcoding

- K13 Dhivya Shanmughanandhan** Bharathiar University, India  
DNA barcoding of *Pteris* species by psbA-trnH intergenic spacer: taxonomically complex and polyploid ferns
- K14 Scott Silvis** Columbus State University, USA  
Documenting the biodiversity of a local Sandhill flora using DNA barcodes: An investigation into the patterns of resolution in polytypic taxa
- K15 Cintia P. Souto** Laboratorio Ecotono Universidad Nacional del Comahue-CRUB, Argentina  
DNA barcoding the plants of Monte Desert, Argentina



## Plant Barcoding (cont.)

- K16 Vinitha M. R. Rajiv** Gandhi Centre for Biotechnology, India  
Pattern of nucleotide variations in the standard DNA barcode loci in different genera of Indian Zingiberaceae
- K17 Li-Jun Yan** Kunming Institute of Botany, CAS, China  
Utilizing DNA barcoding to conserve Canada's endangered populations of Red Mulberry (*Morus rubra* L., Moraceae)

## Pollen Barcoding and Pollination Biology

- L1 Rowan Sprague** Bio-Protection Research Centre, New Zealand  
Using next-generation sequencing to identify the botanic origin of pollen collected from foraging honeybees

## Species Concepts, Boundaries & Origins

- L2 R. Gabriela Aguilar-Velasco** Instituto de Biología, UNAM, México  
Species boundaries, mitochondrial introgression and nuclear mitochondrial paralogs in the neotropical ant complex *Ectatomma ruidum* (Ectatomminae)
- L3 Juliana Cordeiro** Universidade Federal de Pelotas, Brazil  
Characterization of the COI gene in *Carollia perspicilata* (Chiroptera: Phyllostomidae) from Amazonia

## Terrestrial Biodiversity

- L4 Gergin Blagoev** Biodiversity Institute of Ontario, University of Guelph, Canada  
Cryptic speciation among the spiders (Araneae) of North America: insights from barcoding 2000 species
- L5 Badrul Amin Bhuiya** BRGB, Department of Zoology, University of Chittagong, Bangladesh  
Biodiversity study of Bangladeshi parasitoid wasps (Insecta: Hymenoptera) of Malaise trap collections using DNA barcoding techniques
- L6 Kuei-Chiu Chen Weill** Cornell Medical College, USA  
DNA barcoding of vertebrate diversity in Qatar
- L7 Vladimir Salvador De Jesús-Bonilla** Instituto de Biología, UNAM, México  
Species delimitation in the grasshopper genus *Taeniopoda* (Orthoptera: Romaleidae) based on molecular and morphological evidence
- L8 Delaram Erfan** Department of Entomology, Science and Research Branch, Iran  
COI-based identification of *Orius* species (Hemiptera: Anthocoridae) from Iran
- L9 Aaron Fairweather** Department of Integrative Biology, University of Guelph, Canada  
The effect of anthropogenic disturbance on diversity and phylogenetic structure of ants (Hymenoptera: Formicidae)
- L10 León Ibarra Garibay** Instituto Tecnológico de Chetumal, México  
Preliminary results from Malaise traps in southern Yucatan Peninsula, México
- L11 Chris Ho** Department of Integrative Biology, University of Guelph, Canada  
Impacts of anthropogenic disturbance on arthropod biodiversity and community structure
- L12 Ian Hogg** University of Waikato, New Zealand  
Barcoding New Zealand spiders
- L13 Colleen Podmore** University of Waikato, New Zealand  
Using DNA barcoding (COI) to assess diversity of the New Zealand native aphid genus *Schizaphis* (Hemiptera: Aphididae)
- L14 Gontran Sonet** OD Taxonomy and Phylogeny, Royal Belgian Institute of Natural Sciences, Belgium  
Large-scale DNA barcoding of ants from Ecuador
- L15 Gontran Sonet** OD Taxonomy and Phylogeny, Royal Belgian Institute of Natural Sciences, Belgium  
DNA barcoding Congolese snakes
- L16 Regina Wetzer** Natural History Museum of Los Angeles, USA  
Urban biodiversity explored using intensive multi-year sampling of insects in Los Angeles