

Please Note:

The whole programme on Monday, 21 Feb, will take place at Museum of Natural History (Museum für Naturkunde, MfN, Invalidenstraße 43, 10115 Berlin)

13:00 – 17:00	Executive Committee Meeting of GfBS (MfN)
13:00 – 18:00	<p>Special Symposium (by pre-registration only): Recent aspects in the collection management of natural history wet collections – Schuda, M. & Neuhaus, B. Lecture Hall HS 201, Museum of Natural History, Berlin</p> <p>Introduction 13.00h Bartsch, P. (MfN Berlin): Welcome and general introduction to the programme 13.10h Neuhaus, B. (MfN History Berlin): The wet collections of the Museum of Natural History Berlin: specific problems and the KUR project 13.35h Curators (MfN History Berlin): Guided tour: rebuilding the East Wing of the Museum of Natural History Berlin as storage for the wet collections</p> <p>Ethanol & Jars 14.35h Kotrba, M. (Bavarian State Collection for Zoology, Munich): PH in ethanol preserved natural history collections - an intricate and problematic issue 15.00h Neuhaus, B. (MfN Berlin): Jars in wet collections 15.25h General discussion</p> <p>15.45h Tea break</p> <p>Labels, Paper Aging & Label Printing 16.15h Schuda, M. (MfN Berlin): Labels in wet collections: what do alternatives to paper offer? 16.40h Schönbohm, D. (Berlin): Considerations in the conservation of dry historic labels - adaptation of treatment procedures. 17.05h Potthast, A. (University of Natural Resources and Life Sciences, Vienna): Degradation of paper during natural aging. 17.30h General discussion</p>
16:30 – 20:00	Registration – Museum of Natural History Berlin (MfN)
17:00 – 18:00	Guided tours through the collections of the MfN
From 18:00	Ice-Breaker-Party 'Under the dinosaurs' (MfN)

8:00	Registration - Congress Venue at Seminaris Conference Center (Berlin Dahlem)
9:00	<p>Welcome and Opening – (Main Lecture Hall – 2nd floor)</p> <p>Thomas Borsch – President of the International Organization for Systematic and Evolutionary Biology (IOSEB); Director of Botanic Garden and Botanical Museum Berlin-Dahlem at Freie Universität Berlin</p> <p>Regine Jahn – President of the Society of Biological Systematics (GfBS), Secretary General of IOSEB; Botanic Garden and Botanical Museum Berlin-Dahlem at Freie Universität Berlin</p>
9:30	Opening Plenary: 60 Years of Phylogenetic Systematics: Progress and Issues (Edward O. Wiley) – (Main Lecture Hall - 2 nd floor)
10:30	Plenary Lecture (Theme I): Back to the Future – the Changing Face of Taxonomy in the 21st Century (Sandra Knapp) – (Main Lecture Hall - 2 nd floor)
11:30	<i>Coffee and lunch break</i> <i>Meeting of JuSys (Junge Systematiker of GfBS)</i> – (Room: Princeton – 1 st floor)

13:30 – 15:30	Room: Cambridge (2 nd floor) Conference Theme: I	Room: Oxford (2 nd floor) Conference Theme: I	Room: Sorbonne (2 nd floor) Conference Theme: II	Room: Harvard (1st floor) Conference Theme: IV	Room: Stanford (1st floor) Conference Theme: V
	S1) SYMPOSIUM: Chromosomal Studies in Plants and Animals: Still a Significant Approach in the Elucidation of Phylogenetic and Taxonomical Problems? – Georgia Kamari, Eva Giagia-Athanasopoulou	S2) CONTRIBUTED PAPERS – Session 1 <i>Chairs: Marc Gottschling & Helmut Sattmann</i>	S3) SYMPOSIUM: Recent Paleontologic Contributions to the Study of Evolution – David Lazarus, Wolfgang Kiessling, Johannes Müller	S4) SYMPOSIUM: New Frontiers in Morphology: Potential and Limits of Synchrotron / High Energy Radiation – Rolf Beutel, Thomas Hörnschemeyer	S5) SYMPOSIUM: Data Quality and Phylogenies <i>Wolfgang Wägele</i>
	<p>13:30 Kamari, G. & Bareka, P.: Karyological studies contribute significantly in the elucidation of phylogenetic and taxonomical problems: case studies from plants.</p> <p>13:50 Bedini, G.; Garbari, F. & Peruzzi, L.: Does chromosome number count? Mapping karyological knowledge on Italian flora in a phylogenetic framework.</p> <p>14:10 Özhatay, N. & Koçyiğit, M.: Karyotypes of Turkish <i>Allium</i> species (Sect. Codonoprasum). Does karyotype help to solve their taxonomic problems?</p> <p>14:30 Bou Dagher-Kharrat, M. & Yakovlev, S.: When cytogenetic and molecular markers help with understanding phylogeny of the genus <i>Cedrus</i>.</p> <p>14:50 Mitsainas, G.P. et al.: Classical cytogenetic techniques still provide a wealth of data of phylogenetic value: Recent evidence from the Greek mammalian fauna.</p> <p>15:10 Vujošević, M. et al.: Where do chromosomes meet with molecular markers and morphometric data in phylogenetic studies of the genus <i>Apodemus</i>?</p> <hr/> <p>15:30 Marchal, J.A. et al.: Dissecting vole sex chromosomes by chromosome painting: What does it tell us about species karyotypic evolution?</p>	<p>13:30 Gottschling, M. & Bravo, I. G.: Nomenclature and taxonomy of papilloma viruses: More problems than solutions in sight.</p> <p>13:50 von Reumont, B.M.; Misof, B. & Wägele, J.-W.: Phylogenomics of crustaceans – hope and headache.</p> <p>14:10 Letsch, H.; Misof, B. & Kjer, K.: The future of phylogenetic ribosomal RNA data in the age of phylogenomics.</p> <p>14:30 Predel, R.; Neupert, S. & Roth, S.: Peptidomics-based phylogeny of Mantophasmatodea (Insecta).</p> <p>–</p> <p>–</p>	<p>13:30 (40 min) Lazarus, D.: Micropaleontologic contributions to the study of evolution.</p> <p>14:10 (40 min) Kiessling, W.: Marine biodiversity dynamics in deep time: New insights from new tools.</p> <p>14:50 (40 min) Müller, J. & Hipsley, C.A.: Integrating genes and fossils: examples from vertebrate paleontology.</p>	<p>* 13:30 Büsse, S. & Hörnschemeyer, T.: Comparative morphological study of prothoracic legs of Embioptera (Insecta) from various ecotypes via SRµCT.</p> <p>13:50 Hammel, J.U.; Heer, C.; Herzen, J.; Beckmann, F.; Filatov, M.; Kaandorp, J. & Nickel, M.: 3D-topology of a poriferan leuconoid aquiferous system studied by quantitative analysis of micro-tomography data.</p> <p>14:10 Vogt, L.; Grobe, P. & Hörnschemeyer, T.: Long-term storage, documentation & accessibility of volume-data of biological objects based on <i>Morph D Base</i> - current state of the project.</p> <p>14:30 Beutel, R.: The phylogeny and evolution of Holometabola and morphological data in modern insect systematics.</p> <p>14:50 Wirkner, C.S.: Old and new frontiers in evolutionary morphological research exemplified by the circulatory organs in Crustacea.</p> <p>15:10 Giere, P.; Möller, L.; Hilger, A.; Paulke, A.; Riesemeier, H. & Kuehbacher, M.: Revealing the orbital mosaic in shrews: phylogenetic implications of an ethmoid exposure in the orbit of <i>Sorex araneus</i> Linnaeus, 1758 (Soricidae, Lipotyphla, Mammalia).</p>	<p>13:30 Kück, P.: Detection of long branch artefacts in simulated and real data.</p> <p>13:50 Wilkinson, M.: Compatibility analysis and data quality in morphological and molecular phylogenetics.</p> <p>14:10 Klopffstein, S.: On evolutionary rates and phylogenetic information.</p> <p>14:30 Jenner, R.: Gauging the phylogenetic quality of morphological characters: art or science?</p> <p>14:50 Filipowicz, N.: Placing holoparasites in the overall angiosperm tree, using amino acid alignments and non-contaminated sequences.</p> <p>15:10 Meusemann, K.; Meyer, B. & Misof, B.: MARE (MAtrix REduction): A tool to select optimal data subsets with high information content for phylogenomic tree inference.</p>
15:30	<i>Coffee break</i>				

16:00 – 18:00	Room: Cambridge (2 nd floor) Conference Theme: II	Room: Oxford (2 nd floor) Conference Theme: I	Room: Sorbonne (2 nd floor) Conference Themes: I, II and IV	Room: Harvard (1 st floor) Conference Theme: IV	Room: Stanford (1 st floor) Conference Theme: V	Room: Princeton (1 st fl.) Conference Theme: V
	S7) SYMPOSIUM: Next Generation Sequencing and Genomics in Biodiversity Research. <i>Gernot Glöckner, Michael Monaghan</i>	S6) SYMPOSIUM: World Wide Access to Biodiversity Literature: Digital and Virtual Libraries for Taxonomists <i>Boris Jacob, Jana Hoffmann</i>	S8b) CONTRIBUTED PAPERS – Session 2b <i>Chairs: Marcus Koch & Thomas Stach</i>	S8a) CONTRIBUTED PAPERS – Session 2a <i>Chairs: Andreas Schmidt-Rhaesa & Heike Wägele</i>	S9) SYMPOSIUM: ENNREB – European Network for Neotropical Research in Evolution and Biogeography. <i>Alexandre Antonelli, Colin E. Hughes, Isabel Sanmartin, Toby R. Pennington</i>	S10) CONTRIBUTED PAPERS – Session 3 <i>Chairs: Peter Giere & Johannes Müller</i>
	<p>16:00 Bellot, S.: The complete chloroplast genome of <i>Spartina maritima</i> (Poaceae, Chloridoideae) using 454 sequencing.</p> <p>16:20 Epp, L.S. et al: Ancient archives in the dirt: Environmental barcoding to study past Arctic ecosystem changes.</p> <p>16:40 Wicke S., Latvis M., Quandt D., Schneeweiss G.M., Soltis P.S., dePamphilis C.W., Soltis D.E. & Müller K.: Minimum requirements for de novo organelle genome reconstruction using whole genome shotgun sequencing.</p> <p>17:00 Glöckner, G.: The genome of a Rhizarian species</p> <p>17:20 Mazzoni, C.J.: Berlin Center for Genomics in Biodiversity Research: biodiversity in the genomic era.</p> <p>17:40 Simon, S. & Hadrys, H.: Identification of phylogenetic informative proteins using comparative phylogenomics: A case study on pterygote relationships.</p>	<p>16:00 Scholz, H.: World wide access to biodiversity literature: The Biodiversity Heritage Library.</p> <p>16:20 Freeland, C.: Digitization and enhancement of biodiversity literature through OCR, scientific names mapping and crowd-sourcing.</p> <p>16:40 Bisby, F.: Taxa, Names and Indexing Infrastructures.</p> <p>17:00 Kohlbecker, A.: Scientific literature in the EDIT Platform for Cybertaxonomy.</p> <p>17:20 Kasperek, G. et al.: The Virtual Library of Biology (vifabio): A portal to library and internet resources for biologists.</p> <p>17:40 Bénichou, L. et al.: EJT - A European Journal of Taxonomy.</p>	<p>16:00 Koch, M.A. & Schmickl, R.: Adaptation and speciation: The acquisition of new traits and adaptive potential via introgression. An <i>Arabidopsis lyrata</i> - <i>arenosa</i> introgression zone as example.</p> <p>16:20 Fuentes B., S.; Mansion, G. & Borsch, T.: Towards a species level tree of the globally diverse genus <i>Chenopodium</i>: Five isolated lineages within Chenopodioideae (Chenopodiaceae)</p> <p>16:40 Vogt, L.: What are data and metadata and what is the role of media content in morphology?</p> <p>17:00 Khan, S. Y. et al.: Taxonomic studies on some spiders of district Sargodha, Pakistan.</p> <p>* 17:20 Vakili B. & Sari A.: A study on post-embryonic development of <i>Artemia urmiana</i> and parthenogenetic <i>Artemia</i> sp. from the Urmia lake, Iran.</p> <p>17:40 Seckbach, J. & Chela-Flores, J.: Microbial biodiversity: Implications for astrobiology.</p>	<p>* 16:00 Kühnel, S. & Kupfer, A.: Evolution underground: insights into the cloacal morphology of caecilian amphibians (Gymnophiona).</p> <p>16:20 Schunke, A.C. & Tautz, D.: Family ties or you are what you eat – The effects of phylogenetic relationships and diet on the rodent mandible.</p> <p>* 16:40 Kutschera, V.; Haug, C.; Haug, J.T.; Maas, A.; & Waloszek, D.: The pleon of Syncarida (Crustacea: Malacostraca) and its phylogenetic implications.</p> <p>* 17:00 Zimmermann, D.; Randolf, S.; Metscher, B. & Aspöck, U.: Phylogenetic and functional importance of the tentorium in Neuroptera (Insecta).</p> <p>* ⁽¹⁾ 17:20 Shevtsova E. & Kjaerandsen J.: The iWing concept – Complex function of simple form.</p> <p>17:40 Rancka, B; & Bininda-Emonds, O.R.P.: Re-assessing the phylogenetic position of <i>Puijila darwini</i> (Mammalia: Carnivora).</p>	<p>* 16:00 Antunes Carvalho, F. & Renner, S.S.: The papaya tree (<i>Carica papaya</i>) belongs in an herbaceous Mesoamerican clade.</p> <p>16:20 Sklenár, P. et al.: Phylogeny and evolution of freezing resistance in high-Andean genus <i>Lasiocephalus</i> (Asteraceae, Senecioneae).</p> <p>* 16:40 Fernandes, A. et al.: Phylogeography and speciation of Southern Chestnut-tailed Antbird, <i>Myrmeciza hemimelaena</i> (Aves, Thamnophilidae) – Implications for Amazonian historical biogeography.</p> <p>17:00 Lötters, S. et al.: Puzzling Amazonian biodiversity: the case of the <i>Atelopus</i> frogs.</p> <p>17:20 Pennington, R.T.: Contrasting plant diversification histories in neotropical rain forests, seasonally dry forests and savannas.</p> <p>17:40 Round table and General discussion</p>	<p>16:00 Bastos-Silveira, C.: Recovering data from African fauna through Portuguese Natural History Collections.</p> <p>* 16:20 Bloch, R.: There's always more: Integrative inventory of Bolivia's lowland frogs increases species richness estimates.</p> <p>16:40 Jordaens, K. et al.: DNA-based identification of forensically important flesh flies (Diptera: Sarcophagidae).</p> <p>17:00 Tahir, H.M. et al.: Biodiversity of spiders in wheat ecosystems.</p> <p>–</p> <p>–</p>
18:30	<p>IOSEB-Council Meeting (Room: Princeton – 1st floor) BioSyst. EU Council Meeting (Room: Yale – 1st floor)</p>					

9:00	Plenary Lecture (Theme II): The Advent of the Modern Fauna – The Role of Systematics and Paleontology at the Dawn of Modern Evolutionary Biology (Niles Eldredge) – (Main Lecture Hall - 2 nd floor)					
10:00	Plenary Lecture (Theme II): Evolution of the High Elevation Flora of the South American Andes in Time and Space (Mary T. K. Arroyo) – (Main Lecture Hall)					
11:00	<i>Poster Session I and Coffee break</i>					
12:30	<i>Lunch Break</i>					
13:30 – 15:30	<p>Room: Cambridge (2nd fl.) Conference Theme: V</p> <p>S14) SYMPOSIUM: Modernizing the Nomenclatural Codes to meet Future Needs of Scientific Communities (BIOCODE).</p> <p><i>David Hawksworth, Regine Jahn</i> <i>Chair: Sandra Knapp</i></p> <p>Roundtable (International Committee on Bionomenclature) and General Discussion</p> <p>with statements by:</p> <ol style="list-style-type: none"> Hawksworth, D.: The road to, and need for, the BioCode Greuter, W.: The Draft BioCode (2011): key features and implementation Jahn, R.; Kusber, W.-H. & Patterson, D.: The naming of microalgal protists: an example of the problems for the BioCode to resolve 	<p>Room: Oxford (2nd floor) Conference Themes: I and II</p> <p>S11) CONTRIBUTED PAPERS – Session 4</p> <p><i>Chairs: Michel Poulin & Thomas von Rintelen</i></p> <p>13:30 Schüller, M.: Phylogeographic evidence for a role of bathymetry in the genus <i>Glyceria</i> (Glyceridae, Polychaeta) from the deep Eastern Weddell Sea.</p> <p>13:50 Huelsken, T. et al.: Determination of biogeographical patterns and biodiversity of the infaunal gastropod family Naticidae based on molecular analysis of egg masses.</p> <p>* 14:10 Elsner, N.O. & Brandt, A.: Deep-sea isopod biodiversity in the Sea of Japan.</p> <p>* 14:30 Riehl, T.; Brix, S. & Leese, F.: A molecular-genetic approach to the inference of biodiversity in deep-sea Isopoda: The case of <i>Haploniscus</i> (Crustacea: Isopoda: Haploniscidae) in the South Atlantic.</p> <p>* 14:50 Soehner, S. et al.: Large molecular data sets – Improving the phylogeny of calcareous dinoflagellates (Thoracosphaeraceae, Dinophyceae).</p> <p>* 15:10 Zinssmeister, C. et al.: The taxo-nomic identity of <i>Scrippsiella trochoidea</i> (Thoracosphaeraceae, Dinophyceae), an ecologically important species of the marine phytoplankton.</p>	<p>Room: Sorbonne (2nd floor) Conference Theme: II</p> <p>S12) SYMPOSIUM: Deciphering Mid-Cretaceous Terrestrial Ecosystems</p> <p><i>Barbara Mohr, Clément Coiffard, Alexander Schmidt</i></p> <p>13:30 Heinrichs, J. et al.: Bryophyte evolution in the late Mesozoic: insights from fossils and molecules.</p> <p>13:50 Schmidt, A. R.: Microorganisms and microbiocoenoses of mid-Cretaceous amber forests.</p> <p>14:10 Coiffard, C. et al.: Early monocot evolution and monocot ecology.</p> <p>14:30 Mohr, B.A.R.; Coiffard, C. & Bernardes-de-Oliveira, M.E.C.: Onset, diversity and ecology of eudicotyledons during the early and mid-Cretaceous.</p> <p>14:50 Perrichot, V.: Mid-Cretaceous insect evolution in the context of changing vegetation.</p> <p>15:10 Wedmann, S. & Dlussky, G. M.: Poneromorph ants of Grube Messel, Germany: High biodiversity in the Eocene.</p>	<p>Room: Harvard (1st floor) Conference Theme: IV</p> <p>S13) CONTRIBUTED PAPERS – Session 5</p> <p><i>Chairs: Peter Endress & Sophie Nadot</i></p> <p>13:30 Bull-Hereñu, K. & Claßen-Bockhoff, R.: Circumscribing terminal units in inflorescences.</p> <p>13:50 Damerval, C. et al.: Evolution of floral symmetry in Papaveraceae: genetic and developmental aspects.</p> <p>14:10 Nadot, S.; Jabbour, F. & Damerval, C.: A phylogenetic analysis of the evolution of floral symmetry in flowering plants.</p> <p>14:30 Vrijdaghs, A. et al: Metatopic displacements as an explanation for deriving morphologies in spikelets of Cyperoidae, Cyperaceae.</p> <p>14:50 Hameister S.; Bleeker, W. & Barbara, N.: Single versus multiple origin of a floral homeotic variant of <i>Capsella bursa-pastoris</i> (Brassicaceae)</p> <p>–</p>	<p>Room: Stanford (1st floor) Conference Theme: V</p> <p>S15) SYMPOSIUM: Biodiversity Informatics for Biosystematics</p> <p><i>Walter Berendsohn, Pier Luigi Nimis</i></p> <p>13:30 Güntsch, A. et al.: The EDIT Platform for Cybertaxonomy – An open architecture for taxonomic data processing.</p> <p>13:50 Kilian, N.: The <i>Cichorieae</i> Portal of the International <i>Cichorieae</i> Network, an exemplary application of the EDIT Platform for Cybertaxonomy.</p> <p>14:10 Vignes, R. (UPMC Paris): Editing and publishing descriptive data with the EDIT platform.</p> <p>14:30 Mergen, P.: EDIT MapViewer and Map REST services.</p> <p>14:50 Raab-Straube, E. von: Euro+Med PlantBase and PESI: The European taxonomic backbone.</p> <p>15:10 Kattge, J. et al.: TRY: towards a unified global database of plant functional traits.</p>	<p>Room: Princeton (1st fl.) Conference Theme: V</p> <p>S 16) SYMPOSIUM: Disaster Preparedness and Mitigation in Natural History Museums</p> <p><i>Peter Giere</i></p> <p>(Meeting of the GfBS Curators' Working Group, open to all)</p> <p>4 talks at 20-30 minutes plus general discussion</p> <ol style="list-style-type: none"> Giere, P.: Introduction to Disaster Preparedness in Museums. Valentine, C.: How to write a Disaster Plan! Business Continuity and Collections Salvage: An integrated European Approach. Pennock, H.: A Safety & Security Centre for Cultural Heritage. Quaisser, C & Valentine, C.: Sharing experiences & exchanging knowledge across Europe – first steps towards a European Collection Managers Forum.
15:30	<i>Coffee break</i> <i>Business meeting of the GfBS Curators' Working Group</i> – (Room: Princeton - 1 st floor)					

16:00 – 18:00	<p>Room: Cambridge (2nd floor) Conference Theme: II</p> <p>S19) SYMPOSIUM: Bio-systematics of Polyploid Plant Complexes: Progress, Challenges, and Prospects (part 1) <i>Karol Marhold, Jan Suda</i></p>	<p>Room: Oxford (2nd floor) Conference Themes: I & II</p> <p>S17) CONTRIBUTED PAPERS – Session 6 <i>Chairs: Michael Donoghue & Jens Rohwer</i></p>	<p>Room: Sorbonne (2nd fl.) Conference Theme: V</p> <p>S22) SYMPOSIUM: Long Term Storage and Availability of Primary Data - Where, What, How? <i>Birgit Gemeinholzer</i></p>	<p>Room: Harvard (1st floor) Conference Theme: IV</p> <p>S20) SYMPOSIUM: Plant-Animal Interactions <i>Sigrid Liede-Schumann, Jeff Ollerton</i></p>	<p>Room: Stanford (1st floor) Conference Theme: IV</p> <p>S21) CONTRIBUTED PAPERS – Session 8 <i>Chairs: Jason Dunlop & Michael Ohl</i></p>	<p>Room: Princeton (1st floor) Conference Themes: II & IV</p> <p>S18) CONTRIBUTED PAPERS – Session 7 <i>Chairs: Sven Bradler & Natalia Filipowicz</i></p>
	<p>16:00 Mandakova, T.; Heenan, P.B.; Marhold, K. & <u>Lysak, M.A.</u>: Multiple polyploidy events in the evolution of crucifers (Brassicaceae).</p> <p>16:20 Tremetsberger, K.: Adaptive value of polyploidy: recurrent replacements of diploids by tetraploids in local populations of the Patagonian and Subantarctic plant <i>Hypochoeris incana</i> (Asteraceae).</p> <p>16:40 Hörandl, E.: The evolution of apomixes and polyploidy in angiosperms: a reappraisal.</p> <p>17:00 Marhold, K.: Towards resolving the taxonomy and evolutionary history of the <i>Alyssum montanum</i> – <i>A. repens</i> group: insights from morphological, cytotype and genetic variation.</p> <p>17:20 Peterson, A. & Harpke, D.: Molecular insights in the species-rich polyploidy Liliaceae genus <i>Gagea</i>: Impact of molecular data for determination of hybridogenic taxa and species boundaries.</p> <p>17:40 Schönswetter, P.: Polyploid speciation in <i>Senecio carniolicus</i> Willd. (Asteraceae) – Genetic, morphological and ecological differentiation among and within cytotypes.</p>	<p>16:00 Carlson, S. E. & Donoghue, M.J.: Innovation, dispersal, and diversification in the plant clade Dipsacaceae (Dipsacales).</p> <p>* 16:20 Scheunert, A. & Heubl, G.: Phylogenetic relationships among New World <i>Scrophularia</i> L. (Scrophulariaceae): new insights inferred from DNA sequence data.</p> <p>16:40 Wanntorp, L. & Anderberg, A.A.: Evolution and diversification of brook weeds (Samolus, Samolaceae, Ericales).</p> <p>17:00 Huertas, M.L.; Schulte, K.; Fuertes, J. & <u>Schneider, J.V.</u>: Corroborating hybridization and introgression in <i>Palaua</i> (Malvaceae) using nuclear ITS and cellulose synthase DNA sequences.</p> <p>17:20 Echternacht, L.; Sano, P.T. & Dubuisson, J.-Y.: Phylogeny of the threatened everlasting plants <i>Comanthera</i> L.B.Sm (Eriocaulaceae) inferred from molecular and morphological data.</p> <p>* 17:40 Klatte-Asselmeyer, V., et al.: Karyological diversification and genome size variation in <i>Valeriana officinalis</i> L.</p>	<p>16:00 Enke, N. & Gemeinholzer, B.: Do scientists want repositories for biodiversity data?</p> <p>16:20 Hartig, K.: Perspective of a funding agency.</p> <p>16:40 Vogt, L.: Morph.D.Base – An Online Database for Morphological Data and Metadata.</p> <p>17:00 Robert, V. A.: Mycobank, online mycological repository.</p> <p>17:20 Diepenbroek, M.: PANGAEA® and the ICSU World Data System (WDS) - towards a global system of data publishers and data libraries.</p> <p>17:40 Danis, B.: SCAR-MarBIN and ANTABIF: Free and Open Access to Antarctic biodiversity data.</p>	<p>16:00 Dorchin, N. & Joy, J.B.: Evolutionary trends in the radiation of <i>Rhopalomyia</i> (Diptera: Cecidomyiidae) on its Asteraceae hosts.</p> <p>16:20 Dötterl, S.; Jürgens, A.; Meve, U.; Heiduk, A. & <u>Liede-Schumann, S.</u>: Scent in Apocynaceae – Asclepiadoideae: Diversity and biological significance.</p> <p>16:40 Kocyan, A. et al.: Other than expected: the orchid genus <i>Luisia</i> is not sexual deceptive.</p> <p>17:00 Bröderbauer, D.: Structure, functionality and evolution of trapping inflorescences in the Araceae.</p> <p>17:20 Chauveau, O.: Evolution of oil-producing structures related to specialized oil-pollination within the genus <i>Sisyrinchium</i> L. (Iridaceae).</p> <p>* 17:40 Mittelbach, M.; Ackermann, M.; Hilger, H.H. & Weigend, M.: Buzz for pollen - buzz for nectar? Floral rewards in Boraginaceae.</p>	<p>* 16:00 Steinert, G. et al.: Population structure and phylogeny of the Blue Mussel (<i>Mytilus edulis</i>) of the Wadden Sea of Lower Saxony (Germany).</p> <p>* 16:20 Otto, T.; Brandis, D. & Hartl, G.B.: Population biology of the alien Chinese mitten crab (<i>Eriocheir sinensis</i>) in Schleswig Holstein (northern Germany).</p> <p>* ⁽¹⁾ 16:40 König, C.; Steidle, J.L.M. & Tolasch, T.: Chemical communication as a genetically barrier – When sex pheromones do not attract mating partners from other populations.</p> <p>* ⁽¹⁾ 17:00 Teimori, A.: Do phenotypically different populations form operational taxonomic units (OTU)? – Case study on the common tooth-carp <i>Aphanius dispar</i> (Rüppell, 1829) from southern Iran.</p> <p>17:20 Dunlop, J.A.: Acariform mites and camel spiders: more than just good friends?</p> <p>17:40 Krause, S. & Ohl, M.: Comparative morphology of antennal sensilla and their phylogenetic significance in apoid wasps (Hymenoptera: Apoidea).</p>	<p>16:00 Daud, S.K. et al.: Phylogenetics of <i>Puntius</i> spp inferred from mitochondrial and nuclear genes.</p> <p>16:20 Motamedi, M. et al.: Systematics and biogeography of the <i>Barbus lacerta</i> complex (Pisces: Cyprinidae) from Iran-inferred by molecular and morphological evidence.</p> <p>16:40 Sonnenberg, R. & Misof, B.: Where did they survive? - Comparison of rainforest fish distribution pattern and phylogeography with two different hypotheses of potential pleistocene forest refuges.</p> <p>17:00 Bradler, S. & Buckley, T.R.: Monophyly and ancient radiation of the Mascarene stick insects.</p> <p>* ⁽¹⁾ 17:20 Thanou, E.: Ancient DNA clarifies the systematic and phylogenetic status of the only vole species living in Africa.</p> <p>* 17:40 König, E. & Bininda-Emonds, O.R.P.: Evidence for convergent evolution in the antimicrobial peptide system in anuran amphibians</p>
18:15	<p><i>General Meeting of GfBS</i> – Room: Cambridge (2nd floor) <i>General Meeting of DBG (Section Biodiversity and Evolutionary Biology)</i> – Room: Oxford (2nd floor)</p>					

8:30 – 10:30	<p>Room: Cambridge (2nd floor) Conference Theme: II</p> <p>S23) SYMPOSIUM: Integrating genes, genomes and morphology: Towards a comprehensive picture of angiosperm evolution. <i>Thomas Borsch, Eric Smets</i></p>	<p>Room: Oxford (2nd floor) Conference Theme: II</p> <p>S24) SYMPOSIUM: Evolutionary Patterns in Pathogenic and Symbiotic Relationships. <i>Marco Thines, Markus Göker, Hermann Voglmayr</i></p>	<p>Room: Sorbonne (2nd floor) Conference Theme: II</p> <p>S25) CONTRIBUTED PAPERS – Session 9 <i>Chairs: Livia Wanntorp & Neela Enke</i></p>	<p>Room: Harvard (1st floor) Main Conference Theme: II</p> <p>S26) CONTRIBUTED PAPERS – Session 10 <i>Chairs: Frank Blattner & Kurt Weising</i></p>	<p>Room: Stanford (1st floor) Main Conference Theme: V</p> <p>S27) CONTRIBUTED PAPERS – Session 11 <i>Chairs: Walter Berendsohn & Christoph Häuser</i></p>
	<p>8:30 Erbar, C.: Sequence-based plant phylogenies – a challenge for ontogenetical flower morphology: the case study Paulowniaceae.</p> <p>8:50 Schäferhoff, B. et al.: Towards resolving Lamiales relationships: insights from rapidly evolving chloroplast sequences.</p> <p>9:10 Groeninckx, I., Vrijdaghs, A. & Smets, E.: Development of corolla tubes and corolla slits in the subfamily Rubioideae (Rubiaceae)</p> <p>9:30 Borsch, T., Löhne, C. & Wiersema, J.H.: Evolution of the water-lily clade (Nymphaeales): Analysis of morphological characters reveals stepwise adaptation to aquatic habitats.</p> <p>9:50 Hilger, H.H., Gottschling, M. & Weigend, M.: Boraginaceae – the major lineages based on molecules and morphology.</p> <p>10:10 Lohwasser, U. et al.: Taxonomy of plant genetic resources – an interaction of morphological, molecular and phytochemical data.</p>	<p>* ⁽¹⁾ 8:30 Fernández-Mendoza, F. et al.: Does a switch in photobiont shape the evolution of the lichen <i>Cetraria aculeata</i>?</p> <p>8:50 Thines, M.: Host jumping, co-evolution and niche conservation in biotrophic oomycetes.</p> <p>9:10 Voglmayr, H.: Evolutionary radiation of the downy mildews (Peronosporales) on their hosts.</p> <p>9:30 Göker, M.: Clustering optimization for molecular taxonomy.</p> <p>9:50 Begerow, D.: Host specificity and host jumps of smut fungi.</p> <p>* 10:10 Suh, A. et al.: Genomic fossils of hepadnavirus activity during early songbird evolution.</p>	<p>* 8:30 Benor, S. & Blattner, F.R.: Phylogeny and biogeography of the genus <i>Corchorus</i> (Malvaceae s.l.).</p> <p>8:50 Couvreur, T.L.P.: Diversification of palms in the earliest tropical rain forests.</p> <p>9:10 Rubite, R.R. et al.: An endemic Philippine radiation: biogeography and delimitation of <i>Begonia</i> sect. <i>Diploclinium</i> in the Philippines.</p> <p>* 9:30 Chacón, J. & Renner, S.S.: Phylogeny and biogeography of the Alstroemeriaceae, an important clade of the Austral floristic realm.</p> <p>9:50 Cusimano, N. & Renner, S.S.: Slowdowns in diversification rates from real phylogenies may not be real.</p> <p>* ⁽¹⁾ 10:10 Ung, V.; Zaragüeta-Bagils, R. & Williams, D.W.: South East Asia Biogeography: new insights with a new methodological approach.</p>	<p>8:30 Krapp, F. & Weising, K.: Young and successful: Phylogeny and evolutionary history of the large genus <i>Dyckia</i> (Bromeliaceae) inferred from chloroplast and nuclear sequence data.</p> <p>8:50 Drummond, C.; Eastwood, R.; Miotto, S. & Hughes, C.: Multiple continental radiations and ecological correlates of diversification in <i>Lupinus</i> (Leguminosae).</p> <p>* 9:10 Masson, R. & Kadereit, G.: Discovering Polycnemoideae – an old, rare, strangely distributed and largely unknown subfamily of the Amaranthaceae/Chenopodiaceae alliance.</p> <p>9:30 Löser, C.: A species tree perspective on life history evolution in <i>Cyanus</i>.</p> <p>* 9:50 Nürk, M.N.; Mandriñán, S.; Carine, M. & Blattner, F.R.: Molecular phylogeny and historical biogeography of <i>Hypericum</i>.</p> <p>* 10:10 Appelhans, M.S.; Janssens, S.B.; Smets, E. & Keßler, P.J.A.: The Spathelioideae: Molecular phylogeny and historical biogeography of a subfamily of Rutaceae (Sapindales) with remarkable morphological diversity.</p>	<p>8:30 Häuser, C. et al. Mobilizing taxonomic expertise for biodiversity inventories and monitoring: experiences and lessons learned from an ATBI+M approach.</p> <p>8:50 Quaiser, C.: Integrating the research infrastructure basis - towards agreed collection management principles in European natural history collections.</p> <p>9:10 Brake, I. et al.: Scratchpads - Social websites to mobilise taxonomic data.</p> <p>9:30 Zetzsche, H.; Dröge, G. & Gemeinholzer, B.: DNA Bank Network – Access to voucher referenced DNA for biodiversity genomics.</p> <p>9:50 Zitterbart, D.P.: anymals.org – a community driven biodiversity information and logging tool for mobile phones.</p> <p>10:10 Janssen, T. et al.: The Flore d'Afrique centrale in the context of the "European e-Floras Initiative".</p>
10:30	Coffee break				

11:00 – 13:00	Room: Cambridge (2 nd fl.) Conference Theme: II S29) SYMPOSIUM: Biosystematics of Poly- ploid Plant Complexes: Progress, Challenges, and Prospects (part 2) <i>Karol Marhold, Jan Suda</i>	Room: Oxford (2 nd floor) Conference Theme: II S28) SYMPOSIUM: Towards a more comprehensive understanding of Wes- tern Eurasian refugia – Integrating botanical and zoological approaches. <i>D. Tarkhnishvili, G. Parolly</i>	Room: Sorbonne (2 nd fl.) Conference Themes: II & III S30) CONTRIBUTED PAPERS, Session12 <i>Chairs: Matthias Glaubrecht & Regine Jahn</i>	Room: Harvard (1 st fl.) Conference Theme: IV S31) SYMPOSIUM: Tempo and Mode of Change: Reconstruct- ing Morphological Evolution in the Light of the Current Debate on Evolutionary Processes – A. Minelli	Room: Stanford (1 st fl) Conference Theme: IV S 32) CONTRIBUTED PAPERS – Session 13 <i>Chairs: Jean-Yves Dubuisson & Maximilian Weigend</i>	Room: Yale + Princeton (1 st floor) 10:30 - 15:00 Conference Theme: V S33) SOFTWARE BAZAAR: Software Tools for Systematists, Manage & Share your Data <i>Gabriele Dröge, Agnes Kirchhoff</i>
	11:00 Moore, A.J. et al.: Population structure in autotetraploid <i>Grindelia</i> of the California Floristic Province. 11:20 Brassac, J. et al.: Analysis of phylogenetic relationships of <i>Hordeum</i> (Poaceae) polyploids. 11:40 Ainouche, M.L.: Genome evolution and allopolyploid speciation: Insights from <i>Spartina</i> (Poaceae). 12:00 Ritz, C.M. et al.: Allele specific gene transcription in pentaploid dogroses. 12:20 Pachschwöll, C. et al.: Molecular systematics and phylogeography of the <i>Doronicum clusii</i> agg. (Asteraceae in the Alps and Carpathians). 12:40 Tribsch, A.: Genome evolution, phylogeography and speciation patterns of the small, blue-flowered European Gentians (<i>Gentiana</i> sect. Calathianae, Gentianaceae).	11:00 Krystufek, B. & Buzan, E.V.: Small mammals in the Balkan glacial refugium: What we have learned so far? 11:20 Weigand, A.M.: Comparative phylogeography of two sympatric microsnail species (Pulmonata, Carychiidae). 11:40 Tarkhnishvili, D., et al.: Molecular data and shaping glacial refugia in the Caucasus. 12:00 Nemomissa, S. et al.: Afro-alpine plant Evolution and the Eurasian connections: the legacy of Pleistocene climate change. * 12:20 Maltcev, A.N.: Evaluation of fertility in males of the house mice from Transcaucasian hybrid zone.	11:00 Pásztor, L. et al.: The reconstruction of the Darwinian paradigm. 11:20 Pécaud, S.: What can the axiomatization of cladistics teach us about its relationships to evolutionary biology? 11:40 Glaubrecht, M.: Cleansing taxonomy's Augean stables: toward an evolutionary systematics. 12:00 Loos, G.H.: Redefining species: The need of consistency in taxonomic ranks. 12:20 Vohland, K. et al.: Taxonomic research in Germany – an overview and perspectives.	11:00 Moczek, A.: On the origins of novelty and diversity in development and evolution: insights from horned beetles. 11:20 Braendle, C.: Quantifying developmental bias, mutability and evolutionary trends in <i>Caenorhabditis</i> nematodes. 11:40 Bateman, R.: Saltation and gradualism are essential and complementary components of any credible macroevolutionary paradigm. 12:00 Minelli, A. & Fusco, G.: The evolvability of segmentation. 12:20 General Discussion	11:00 Greiner, S.: <i>Oenothera</i> – a model for the evolution of sex and speciation. 11:20 Kropf, M. et al.: Seasonal differentiation in <i>Gentianella bohemica</i> (Gentianaceae) – molecular and reproductive insights. 11:40 Weigend, M. et al.: Same, same, but different – evolution of fruit dispersal mechanisms in Mediterranean-Macaronesian islands nettles (<i>Urtica</i> , Urticaceae). * ⁽¹⁾ 12:00 Bernardini, B. et al.: Drivers of speciation in large rainforest Myrtaceae genera. 12:20 Pirie, M.D. et al.: A densely sampled ITS phylogeny of the Cape flagship genus <i>Erica</i> L. reveals numerous shifts in floral macro-morphology. 12:40 Nyffeler, R. et al.: Evolution of succulence in <i>Senecio</i> and relatives (Asteraceae).	Brake, I. et al.: Scratchpads - Social websites to mobilise taxonomic data. Davy, J. et al.: EDIT MapViewer and Map REST services. Droege, G. et al.: "DNA Bank Network". Garrity, G.: NamesforLife semantic resolution services for the life sciences: Moving towards an extensible and interoperable system of nomenclature. Grand, A. et al.: LisBeth: a new cladistic tool for phylogenetics and biogeography Grobe, P. & Vogt, L.: Editing morphological character matrices in Morph-D-Base: Live & collaboratively. Güntsche, A. et al.: Biodiversity information standards (TDWG). Hagedorn, G. et al.: Identification keys in a wiki environment. Holetschek, J. et al.: The BioCAsE technology suite for publishing biodiversity data. Kohlbecker, A. et al.: Building rich biodiversity data portals using the EDIT Platform for Cybertaxonomy. Kroupa, A.: Mobile data recording tools for nature inventories. Kumar, S.: MEGA5: Molecular evolutionary genetics analysis software for maximum likelihood, minimum evolution, and maximum parsimony analysis in molecular phylogenetics. Kusber, W.-H.: "AlgaTerra". Schunke, A.: "3D-Landmarks". Triebel, D. & Weiss, M.: The Diversity Workbench – a virtual biodiversity research environment. Ung, V. et al.: Xper ² : from names to expertises.
13:00	<i>Lunch break</i>					
15:00	Plenary Lecture (Theme III): 250 Years of Solitude: The Taxonomist as Individualist (Peter F. Stevens) - (Main Lecture Hall - 2 nd floor)					
16:00	Plenary Lecture (Theme III): The Series, the Network, and the Tree: Changing Metaphors of Order in Nature (Olivier Rieppel) - (Main Lecture Hall - 2 nd floor)					
17:00	<i>Coffee break</i>					
17:30	Evening Lecture: Alexander von Humboldt and the Botanical Exploration of the Americas (Hans Walter Lack) - (Main Lecture Hall - 2 nd floor)					
19:00	<i>Social Evening (Promenade Concert and Buffet Dinner in the Greenhouses of the Botanic Garden)</i>					

9:00	Plenary Lecture (Theme IV): Mimicry in Butterflies: from Local Variation to Speciation (James Mallet) - (Main Lecture Hall - 2 nd floor)					
10:00	Plenary Lecture (Theme IV): Reproductive Evolution in Early Angiosperms (Paula J. Rudall) - (Main Lecture Hall - 2 nd floor)					
11:00	<i>Poster Session II and Coffee break</i>					
12:30	<i>Lunch break</i>					
13:30 – 15:30	Room: Cambridge (2 nd fl.) Theme: IV S37) SYMPOSIUM: Niche Evolution <i>Joachim W. Kadereit, Peter B. Pearman</i> 13:30 Pearman, P. B. et al.: Divergent patterns of niche evolution in Western Palearctic birds. 13:50 Schiffers, K. et al.: Getting the measure of evolutionary rate in climatic niches: synthesis and analytical perspectives. 14:10 Lavergne, S. & Thuiller, W.: The “dechronization” of climatic niches and species diversification amongst major angiosperms clades. 14:30 Jacob, S. S. et al.: Population demography influences climatic niche evolution: Evidence from diploid American <i>Hordeum</i> species (Poaceae). * ⁽¹⁾ 14:50 Holstein, N. & Renner, S.S.: Rapid filling of climatic niches in the African cucurbit <i>Coccoloba</i> . 15:10 Gehrke, B.: Do different plant elements show differential niche evolution in the African high mountains? 15:30 Schnitzler, J. et al.: Comparative analysis of niche evolution in the Cape Floristic Region.	Room: Oxford (2 nd floor) Conference Theme: I S34) CONTRIBUTED PAPERS – Session 14 <i>Chairs: Olaf Bininda-Edmonds & Susann Wicke</i> 13:30 Degtjareva, G. et al.: Mutational dynamics in the plastid psbA-trnH intergenic spacer: a comparative study in some groups of two unrelated eudicot families, Umbelliferae and Leguminosae. 13:50 Wöhrmann, T. & Weising, K.: In silico mining for simple sequence repeat (SSR) loci and cross-species transferability of markers across Bromeliaceae. * 14:10 Greve, C.; Kück, P.; Misof, B. & Fimnich, F.: Automated curation of AFLP markers improves reliability in phylogenetic analyses. 14:30 Krug, M.; Müller, K.; Borsch, T.; Kelchner, S.; Barniske, A.-M. & Quandt, D.: Evaluating chloroplast markers via a new measure of phylogenetic structure. 14:50 Grand, A. et al.: Retention of what? A reassessment of the retention index as a measure of the quality of characters. 15:10 Bininda-Edmonds, O.R.P.: Reconciling the timing of placental mammal evolution through gene cross validation.	Room: Sorbonne (2 nd floor) Conference Theme: II S35) SYMPOSIUM: Microbial Biogeography and Diversity Patterns: Extending Classical Ecology Theories or Defining New Paradigms? – Annick Wilmotte, Alban Ramette 13:30 Verleyen, E.; <u>Sabbe, K.</u> et al.: Allopatric speciation, local extinction, and selective survival in lacustrine diatom communities. 13:50 Wilmotte, A. et al.: Antarctic cyanobacterial diversity: how important are the geographical and ecological factors. 14:10 Philippot, L.: Use of functional traits to study microbial spatial patterns. 14:30 Casteleyn, G., Leliaert, F., <u>Sabbe K.</u> & Vyverman W.: Limits to gene flow in a cosmopolitan marine planktonic diatom. 14:50 Seddon, A.W.R.: Local endemics or rare ecological specialists? Are the Galápagos Islands isolated for diatoms? 15:10 Kauff F., Capella-Gutierrez, S.J. & Gabaldon, T.: Towards a phylogeny of cyanobacteria – a phylogenomic approach.	Room: Harvard (1 st floor) Conference Theme: II S36) CONTRIBUTED PAPERS – Session 15 <i>Chairs: Sylke Frahnert & Walter Salzburger</i> 13:30 Tietze, D. T.; Hooper, D. M. & Price, T. D.: What drives latitudinal gradients in clades of Himalayan songbirds? 13:50 Päckert, M.: Phylogeography and evolutionary timescale of Himalayan and South East Asian passerine radiations. 14:10 Bansal, R. & Praveen Karanth, K.: Molecular phylogeny of <i>Hemidactylus geckos</i> (Squamata: Gekkonidae) of the Indian subcontinent reveals a unique Indian radiation and an Indian origin of Asian house geckos. * 14:30 Arida, E. et al.: Phylogeography of Komodo monitor (<i>Varanus komodoensis</i>) and the implication for conservation. * 14:50 Koch, A.: The amphibians and reptiles of Sulawesi, Indonesia: underestimated diversity in a dynamic environment.	Room: Stanford (1 st floor) Conference Theme: IV S38) CONTRIBUTED PAPERS – Session 16 <i>Chairs: Gerhard Haszprunar & Carsten Lüter</i> 13:30 Haszprunar, G.; Hawe, A.; Speimann, E. & Heß, M.: Hyalourinidae in 3D: rhipidoglossate Heterobranchia shake the origin of higher Gastropoda. * 13:50 Richter, R. & v. Rintelen, T.: Evolution of Southeast Asian viviparids (Gastropoda: Caenogastropoda): new insights from molecular and anatomical data. * ⁽¹⁾ 14:10 Zakrzewski, A.-C.; Bleidorn, C.; Raible, F. & Hausen, H.: Comparing the formation of chaetae in Lophotrochozoa on the molecular and structural level. * 14:30 Kaul, S & Stach, T.: Schizo-coely in deuterostomes: the ontogeny of the pericardium in <i>S. kowalevskii</i> (Hemichordata: Enteropneusta). 14:50 Merker, S. & Stach, T.: A matter of heart: comparative 3D-ultrastructure of the axial complex of <i>Cephalodiscus gracilis</i> (Pterobranchia, Deuterostomia) –	Room: Princeton (1 st floor) Conference Theme: V S39) CONTRIBUTED PAPERS – Session 17 <i>Chairs: Ulrike Lohwasser & Jutta Papenbrock</i> 13:30 Sumida, M.: Attempt at artificial breeding for conservation and analyses of genetic divergences and postmating isolation mechanisms in an endangered frog <i>Odorrana ishikawae</i> from Japan. * 13:50 Brokamp, G. et al.: Trade in Palm products in northwestern South America – bad future prospects for sustainable resource extraction. * 14:10 Fongzossie F.E. et al.: Habitat characteristics and tree diversity in the Kom-Mengamé forest Complex (South Cameroon). 14:30 Lohwasser, U. et al.: Longevity of seeds – intraspecific differences in germplasm collections. 14:50 Nakhutsrishvili, G.: Vegetation diversity on the Central Caucasus, its databasing and managing. –
15:30	<i>Coffee break</i>					

16:00 – 18:00	<p>Room: Cambridge (2nd fl.) Conference Theme: V</p> <p>S45a) SYMPOSIUM: Digital Identification Methods in the Digital Age: Morphological and Molecular, Computer-aided & Fully Automated, Research & Citizen Science (part 1) <i>Gregor Hagedorn, Régine Vignes Lebbe</i></p>	<p>Room: Oxford (2nd floor) Conference Theme: II</p> <p>S41) SYMPOSIUM: Cenozoic Diversification and Climate Change. <i>Annette Klusmann-Kolb, Alexandra Müllner</i></p>	<p>Room: Sorbonne (2nd floor) Conference Theme: II</p> <p>S42) SYMPOSIUM: Plant Diversity in the Euro-Mediterranean Area (part 1) <i>Guilhem Mansion, Panayotis Dimopoulos</i></p>	<p>Room: Harvard (1st floor) Conference Theme: I</p> <p>S40) CONTRIBUTED PAPERS – Session 18 <i>Chairs: Thomas Hülsken & Michael Schmitt</i></p>	<p>Room: Stanford (1st floor) Conference Theme: IV</p> <p>S44) SYMPOSIUM: Prokaryotes: from Genes to Cells <i>Brian Tindall</i></p>	<p>Room: Princeton (1st fl.) Conference Theme: IV</p> <p>S43) SYMPOSIUM: Stalk-Eyed Flies (Diopsidae): a Model Organism for Studying the Evolution of Form and Function <i>Marion Kotrba, Philip Johns</i></p>
	<p>16:00 Barthélémy D., <u>Bonnet, P.</u> et al.: The PI@ntNet project: Plant Computational Identification & Collaborative Information System.</p> <p>16:20 Baylac, M. et al.: ApiClass: A web geometric morphometrics-based expert system for identification of honey bee workers origins.</p> <p>16:40 Vignes Lebbe, R., Causse, F., Ung V.: Free access keys: not only an identification service.</p> <p>17:00 Neubacher, D., <u>Weiss, M.</u> et al.: NaviKey – a Java-based tool for the multi-access identification of taxa and its deployment in the information system for lichens LIAS.</p> <p>* 17:20 Von Mering, S.: Tool ecosystems or survival of the fittest? A case study in Juncaginaceae.</p> <p>17:40 Lyubomir Penev: Publishing of interactive and semantically enhanced identification keys under the open access model: the ZooKeys and PhytoKeys experience.</p>	<p>16:00 Donoghue, M.J.: Phylogenetic insights into plant diversification through the Cenozoic.</p> <p>* 16:20 Nauheimer, L.; Boyce, P.C. & Renner, S.S.: Reconstructing the biogeography of the 78 species of a Miocene Asian/Australian Araceae clade.</p> <p>16:40 Salzburger, W.: Patterns and triggers of diversification in the adaptive radiations of cichlid fishes in East Africa.</p> <p>17:00 Silvestro, D.: A reversible-jump MCMC to detect changes in diversification rate.</p> <p>17:20 Zarza, E.: Biological Diversification in the Cenozoic: The role of climate dynamics revised.</p> <p>17:40 Pauls, S.: Diversification of highland caddisflies from the subfamily Drusinae.</p>	<p>* 16:00 Hilpold, A., Oxelman, B., Vilatersana R. & Garcia-Jacas, N.: Evolution of the Iberian <i>Centaurea alba</i> complex.</p> <p>16:20 Frajman, B. & Schönswetter, P.: The <i>Heliosperma pusillum</i> group revisited: phylogeographic structure does not reflect morphological diversity.</p> <p>16:40 Celep, F. et al.: Biodiversity in the genus <i>Salvia</i> L. (Labiatae) in Turkey.</p> <p>17:00 Habibi Tirtash, F. & <u>Keshavarzi, M.</u>: Taxonomy and evolution of <i>Fumaria</i> species in Iran.</p> <p>17:20 Malécot, V. & <u>Auvray, G.</u>: Sorting out macaronesian <i>Genista</i> (Fabaceae).</p> <p>17:40 Bağcı, Y.; Tutar, L. & Özbo-İat, G.A taxonomical evaluation of <i>Rorippa</i> Scop. (Brassica-ceae) species in Turkey.</p>	<p>16:00 Rastegar Pouyani, E. & Wink, M.: Reevaluation of taxonomic status within the <i>Eremias strauchi</i> complex (Sauria, Lacertidae) based on sequences of the mitochondrial genome and morphology.</p> <p>* 16:20 Rajaei, S.H.; Ahrens, D. & Wägele, J. W.: Integration of DNA taxonomy and geometric morphometry for species delimitation as a tool for solving taxonomic problems in the genus <i>Gnopharmia</i> Staudinger, 1892 (Lepidoptera, Geometridae, Enominae).</p> <p>* 16:40 Sukkharak, P.; Gradstein, S.R. & Stech, M.: A monograph of the genus <i>Thysananthus</i> (Marchantiophyta, Lejeuneaceae): New insights on generic circumscription and speciation.</p> <p>17:00 Darvish, J.: Five toad jerboas species of genus <i>Allactaga</i> (Dipodidae, Rodentia) as a model for integrative perception of species concept in desert rodents, Iran.</p> <p>* 17:20 Hasan, M. et al.: Genetic divergences and phylogenetic relationships in the frogs from South to East Asia.</p> <p>–</p>	<p>16:00 – 18:00 (4 presentation á 30 min)</p> <p>16:00 Glöckner, F.O.: Microbial Genomics.</p> <p>16:30 Vollmer, W.: Molecular control of bacterial growth and form.</p> <p>17:00 Schink, B.: Physiological and biochemical diversity of prokaryotes.</p> <p>17:30 Tindall, B.: The chemical diversity of prokaryotes.</p> <hr/> <p>18:00 – 18:40 (2 presentations á 20 min)</p> <p>18:00 Garrity, G.M. et al.: Standards in Genomic Sciences: A standards compliant open-access journal for the 'omics community.</p> <p>18:20 Buttigieg, P.L. et al.: Exploring niche specialisation in marine microbes by context-enabled comparative genomics.</p>	<p>16:00 Baker, R.: Gene movement and the evolution of sex chromosome composition in stalk-eyed flies.</p> <p>16:20 Foldvari, M.: Aggressive behaviour among male stalk-eyed flies.</p> <p>16:40 Johns, P.: Gene expression differences in adult male and female heads in stalk-eyed flies.</p> <p>17:00 Kotrba, M.: XXL- Giant spermatozoa in <i>Diasemopsis comoroensis</i>.</p> <hr/> <p>17:20 Pomiankowski, A. et al.: Stalk-eyed fly sexual ornaments are predictors of long-term viability under inbreeding as predicted by the handicap hypothesis.</p> <p>* 17:40 Prokop, Z.M.: Low inbreeding depression in a sexual trait in the stalk-eyed fly <i>Teleopsis dalmanni</i>.</p> <hr/> <p>18:00 Wilkinson, G.S.: Genomic conflict, extraordinary sex ratios and reproductive isolation in stalk-eyed flies.</p>
18:15	IOSEB Council Meeting – Room: Yale (1 st floor)					

9:00 – 11:00	Room: Cambridge (2 nd fl.) Conference Theme: IV S49) SYMPOSIUM: All you Need is Light? Gain and Loss of Photosynthesis – Gela Preisfeld, Jens Boenigk	Room: Oxford (2 nd floor) Conference Theme: I S46) SYMPOSIUM: Next Generation Phylogenetics: From Gene Trees to Species Trees Christoph Oberprieler	Room: Sorbonne (2 nd floor) Conference Theme: II S47) SYMPOSIUM: Plant Diversity in the Euro-Mediterranean Area (part 2) Guilhem Mansion, Panayotis Dimopoulos	Room: Harvard (1 st floor) Conference Theme: IV S48) CONTRIBUTED PAPERS – Session 20 Chairs: Dominik Begerow & Gernot Glöckner	Room: Stanford (1 st floor) Conference Theme: V S45b) SYMPOSIUM: Digital identification Methods in the Digital Age... (part 2) Gregor Hagedorn, Régine Vignes Lebbe
9:00 – 11:00	<p>9:00 Preisfeld, A.: Gain and loss of photosynthesis in protists. 9:20 Wägele, H.: Longevity of stolen plastids in photosynthetic slugs (<i>Sacoglossa</i>) – are algal nuclear genes required? 9:40 Christa, G. et al.: Is the origin of chloroplasts responsible for functional kleptoplasty in <i>Sacoglossa</i> (Opisthobranchia)?</p> <hr/> <p>10:00 – 11:00 Bestowal Ceremony for the Rensch Award (GfBS)</p> <p>Laudation: Olivier Rieppel Laureate Ingmar Werneburg, Zurich: Evolution and development of turtles: organogenesis and cranial musculature</p>	<p>9:00 Oberprieler, C.: Next generation phylogenetics – from gene trees to species trees. 9:20 Marcussen, T. et al.: Inferring species networks from gene trees in high-polyploid North American and Hawaiian violets (<i>Viola</i>, Violaceae). 9:40 Oxelman, B. & Pfeil, B.: Species trees and species delimitation when gene tree resolution is poor. 10:00 Flot, J.-F.: Haplonebs, a graphical approach to species delimitation based on the criterion of mutual allelic exclusivity. 10:20 Korotkova, N. et al.: How much sequencing effort does it take to resolve relationships and to identify species with molecular markers? An example from Cactaceae/ Rhipsalideae. 10:40 Baum, B.: Application of copylogenetic tools to gene sets.</p>	<p>9:00 Mayrhofer, H. & Bilovitz, P.O.: Lichen diversity of the Balkan Peninsula. 9:20 Albach, D.C. et al.: Speciation on the Balkan Peninsula – three case studies from <i>Veronica</i> (Plantaginaceae s.l.). 9:40 Jabbour, F. & Renner, S. S.: The spatiotemporal unfolding of the <i>Delphinium/Consolida</i> clade (Ranunculaceae) in the Eastern Mediterranean area. 10:00 Mansion, G. et al.: An extensive phylogeny as a first step towards a better understanding of the natural history and systematics of the species-rich flowering plant lineage <i>Campanula</i> s.l. (blue bells). 10:20 Kallimanis, A.S.; Strid, A.; Bergmeier, E.; Panitsa, M. & Dimopoulos, P.: Mountain vs. island biogeographic plant diversity patterns in Greece. 10:40 Harpke, D. et al.: Two times into Asia Minor: Phylogeny of <i>Crocus</i> (Iridaceae) based on ITS sequences of nuclear rDNA.</p>	<p>9:00 Kries, A. et al.: Topic maps as a solution for mapping complex morphological data – an example in myxogastrids. 9:20 Schnittler, M.; Fiore-Donno, A.M. & Novozhilov, Y.K.: Species concepts in Myxomycetes (Amoebozoa): Morphology, mating, and molecules. 9:40 Fiore-Donno A. M. et al.: Genetic structure of two protist species complexes (Myxomycetes, Amoebozoa): possible predominant asexual reproduction in sexual amoebae. 10:00 Samani, P. & Bell, G.: Adaptation of experimental yeast populations to stressful conditions in relation to population size. 10:20 Weiß, M.; Bauer, R.; Oberwinkler, F. & Garnica, S.: The hidden realm of the Sebaciales – cryptic basidiomycetes are global players in mutualistic plant-fungus associations. 10:40 Meier, K.J.S. & Gottschling, M.: Biomineralisation modes in calcareous dinoflagellate-lates (Thoracosphaeraceae, Dinophyceae) and their phylogenetic significance.</p>	<p>9:00 Hendrich, L. et al.: 7500 species in 24 months: The Barcoding Fauna Bavarica Project captures Central European animal diversity. 9:20 Samadi, S. et al.: DNA barcode, type specimens & species delimitation. 9:40 Persoh, D. et al.: Assessing fungal biodiversity using molecular methods – from nucleotide sequence data to taxa and distribution patterns. 10:00 Hagedorn, G. et al.: Open Nature Guides ("Offene Naturführer") – success and problems of an open access publication and collaboration site for biodiversity education. 10:20 Kerbiriou, C. et al.: Taxonomic approaches to monitor biodiversity changes in the wider countryside: the French experience of a participatory network in a large country without participatory tradition. 10:40 Barberousse, A. & Samadi, S.: Exploratory projects and the dynamics of biology.</p>
11:00	Coffee and lunch break				
13:00	Plenary Lecture (Theme V): Scientific Collections: a Vital Infrastructure for Biodiversity Studies (Richard Lane) - (Main Lecture Hall - 2 nd floor)				
14:00	Plenary Lecture (Theme V): Translating Biodiversity Studies into Management Strategies (Daeseok Kang) - (Main Lecture Hall - 2 nd floor)				
15:00	IOSEB General Meeting and Closing Session: Adoption of Resolutions, Next Venue, and Bestowal of GfBS Student Prizes - (Main Lecture Hall – 2 nd floor)				
15:45	Coffee break				
16:00 – 18:00	Workshops (by pre-registration only): 1. "Species delimitation using nuclear sequence markers: a practical training in software tools used to resolve heterozygous chromatograms without cloning" – Jean-François Flot (Room: JK30-151 at the Freie Universität Berlin "Rost-/Silberlaube", Habelschwerdter Allee 45) → please meet 15:45 at registration desk !! 2. "Biodiversity Heritage Library: Hands-on training on search and retrieval of digital literature" – Henning Scholz (Room: Stanford – 1 st floor)				

Sunday, 27 February 2011

EXCURSIONS:	2 hours	Berlin City Walking Tour ("Unter den Linden")
	1 hour	Pergamon Museum

+++ all other previously announced tours had to be cancelled due to low participation (please contact registration for refund) +++

Monday, 28 February 2011

WORKSHOP:	All day	Data Management Workshop of the "Pan-Caucasian Plant Biodiversity Initiative" – part one (by pre-registration only) Thomas Borsch, Gerald Parolly
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Tuesday, 1 March 2011

WORKSHOP:	All day	Data Management Workshop of the "Pan-Caucasian Plant Biodiversity Initiative" – part two (by pre-registration only) Thomas Borsch, Gerald Parolly
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