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| **2025 Postdoctoral Co-supervisor and Related Requirements** | | | | |
| **Co-Supervisor** | **Research fields** | **Demands of research areas** | **Contact (Email/Website)** | **Position requirements** |
| Kyle Tomlinson | Ecology | Pine diversity in Southeast Asia | Email：kyle.tomlinson@xtbg.org.cn webiste：http://www.communityecologyconservation.com/ | 1. Relevant academic background in natural sciences; 2. At least one Q1-indexed SCI paper published. |
| Kyle Tomlinson | Ecology | Plant phloem loading and chemical defences | Email：kyle.tomlinson@xtbg.org.cn website：http://www.communityecologyconservation.com/ | 1. Relevant academic background in natural sciences; 2. At least one Q1-indexed SCI paper published; 3. demonstrated experience with plant ecophysiology study. |
| Kyle Tomlinson | Ecology | Tropical Asian vegetation mapping and prediction | Email：kyle.tomlinson@xtbg.org.cn website：http://www.communityecologyconservation.com/ | 1. Relevant academic background in natural sciences; 2. At least one Q1-indexed SCI paper published; 3. demonstrated experience with GIS mapping and remote sensing. |
| Bai Yang | Ecology | Biodiversity mapping and conservation | baiyang@xtbg.ac.cn https://xtbg.cas.cn/2022/kywzq/leg/yfjgg/ | Published at least one SCI paper as the first author in related fields. |
| Chen Ya-Jun | 1. Stress Physiology and Ecology of Tropical Dipterocarpaceae 2. Multiscale Plant Responses to Drought and Heat； 3.Regulation of Plant Drought Responses by Soil Microorganisms | 1. Plant ecophysiology;  2. Plant drought response; 3. Plant theremal regulations;  4. Plant functional trait | Email：chenyj@xtbg.org.cn； Website：https://www.researchgate.net/profile/Chen-Yajun?ev=hdr\_xprf； Research Group website：https://xtbg.cas.cn/2022/kywzq/pse/uglum/ | 1. Research background：forest ecology, plant physiology, and/or plant molecular biology and microbiology, with experience in metabolomics or transcriptomics analysis. 2. Demonstrate strong enthusiasm and motivation for field plot work, with a solid background in statistics and proficiency in data analysis using R. 3. Preference will be given to candidates with experience in meta-analysis. |
| Xiao-Jin Jiang | Ecological hydrology | The migration mechanism of microplastics in rubber forest soil | jiangxiaojin@xtbg.ac.cn https://xtbg.cas.cn/2022/kywzq/ehrg/lejns/ | More than one high-level SCI academic paper in the field of soil science has been published. |
| LI Shufeng | Climate and vegetation modelling | Numeric climate modeling；vegetation and plant diversity modelling | lisf@xtbg.org.cn  http://english.xtbg.cas.cn/en\_sourcedb\_xtbg/rc/fas/202311/t20231105\_571681.html | Research experience in numeric modeling in climate or vegetation modeling, skillful at Fortran, Python or R is preferred. |
| LI Shufeng | Paleoclimate, Palynology, Paleobotany | The Cenozoic evolution of plant diversity, vegetation, and climate changes. | lisf@xtbg.org.cn  http://english.xtbg.cas.cn/en\_sourcedb\_xtbg/rc/fas/202311/t20231105\_571681.html | Research experience in any of below categories: Palynology, Paleobotany, Paleoclimate. |
| Gang Liang | Plant Molecular Biology | Regulation of plant nutrient signaling; Regulation of plant secondary metabolites; Mechanisms of plant-environment interactions. | Email：lianggang@xtbg.ac.cn； Website：https://xtbg.cas.cn/2022/kywzq/pmn/tnsde/ | Applicants should have a research background in plant molecular biology, with published or submitted SCI papers. |
| Hua Lin | Global change, ecology | 1. Thermal Infrared Ecological Remote Sensing;  2. Stress reponse;  3. AI in ecology | lh@xtbg.ac.cn https://www.researchgate.net/profile/Hua-Lin-4 | 1. Familiar or have experience on remote sensing, particular thermal infrared remote sensing; 2. Have strong background on statistics, physics, plant physiology or complex system; 3. No restrict on major for AI experts |
| LIU Cheng-Gang | Soil Ecology | 1. Soil food web structure and function; 2. Relationship between biodiversity and ecosystem function. | liuchenggang@xtbg.ac.cn https://xtbg.cas.cn/2022/kywzq/aerg/ltadb/ | Major in Soil Ecology or Microbe Ecology and Published at least 1 paper in SCI Q1 Journal |
| LIU Cheng-Gang and LIU Chang-An | Forest Soil Ecology | Soil microbe diversity and function | liuchenggang@xtbg.ac.cn  liuchangan@xtbg.ac.cn https://xtbg.cas.cn/2022/kywzq/aerg/ltadb/ | Major in Soil Ecology or Microbe Ecology and Published at least 1 paper in SCI Q1 Journal |
| Liu Wenjie, Ashutosh Kumar Singh | Ecohydrology; Soil and water conservation | Soil and water losses; Watershed hydrology; Plant water use; Stable isotope ecology, Biogeochemical cycling, et al. | lwj@xtbg.org.cn ashutosh@xtbg.ac.cn https://www.xtbg.cas.cn/2022/kywzq/ehrg/lejns/ | Ph.D in hydrology, water resources managemnet, soil ecology; published 2 SCI paper at least. |
| Yan Luo | Plant diversity and integrated conservation | 1.Taxonomy, Systematic and Evolution of Orchidaceae； 2. Integrative conservation of Orchidaceae | luoyan@xtbg.org.cn https://www.xtbg.cas.cn/2022/kywzq/pdcg/qkwub/ | 1. Research experiences on biology, ecology, environmental science, molecular biology, comparative genomics, etc. 2.Research papers related to master 's or doctoral dissertations as the first author published in academic journals in Plant sciences. |
| WANG Gang | Evolutionary Ecology | Hybrid Introgression and Ficus Diversification/Genomic environment-adaptaion of Plants and Animals | wanggang@xtbg.org.cn/ https://www.researchgate.net/profile/Gang-Wang-159 | 1) 1-2 vacancy, Proficient in population genomics analysis or multi-omics analysis skills and theories;  2) Get doctoral degree less than 4 years;  3) published at least 1 SCI paper as first author in the relevant field, with good English expression and reading/writing abilities; 4) Can do research independently, has team spirit and good communication skills;  5) Interesting in scientific research with responsibility sense |
| WANG Gang | Chemical Ecology | Behavioral and Physiological Bases of Insect Host Preference | wanggang@xtbg.org.cn/ https://www.researchgate.net/profile/Gang-Wang-159 | 1) 1 vacancy, Proficient in volatile and insect behavior-electrophysiological analysis skills and theories;  2) Get doctoral degree less than 4 years;  3) published at least 1 SCI paper as first author in the relevant field, with good English expression and reading/writing abilities; 4) Can do research independently, has team spirit and good communication skills;  5) Interesting in scientific research with responsibility sense |
| WANG Gang | Theoretical Ecology | Numerical Simulation of Coevolution and Trait Evolution | wanggang@xtbg.org.cn/ https://www.researchgate.net/profile/Gang-Wang-159 | 1) 1 vacancy, Has background on evolutionary simulation work, or in mathematics, statistical physics, theoretical ecology;  2) Get doctoral degree less than 4 years;  3) published at least 1 SCI paper as first author in the relevant field, with good English expression and reading/writing abilities; 4) Can do research independently, has team spirit and good communication skills;  5) Interesting in scientific research with responsibility sense |
| WANG Gang | Microbial Ecology | Microbially Mediated Co-adaptation in Plants and Animals | wanggang@xtbg.org.cn/ https://www.researchgate.net/profile/Gang-Wang-159 | 1) 1 vacancy, Has background in microbial culture and microbiomic analysis;  2) Get doctoral degree less than 4 years;  3) published at least 1 SCI paper as first author in the relevant field, with good English expression and reading/writing abilities; 4) Can do research independently, has team spirit and good communication skills;  5) Interesting in scientific research with responsibility sense |
| Jie YANG | Ecology | Forest Remote Sensing / Remote Sensing Technology | yangjie@xtbg.org.cn https://xtbg.cas.cn/2022/kywzq/feg/eqxhe/ | Major in ecology or geography, and published at least 1 paper in JCR Q1 Journal. |
| YANG Jie and XU Guorui | Soil Ecology | Macroecological patterns for soil biota/ Interactions between above-belowground/ Soil health | xuguorui@xtbg.ac.cn https://www.xtbg.cas.cn/2022/kywzq/feg/eqxhe/ | Major in soil science or ecology, and published at least 1 paper in JCR Q1 Journal. |
| Xiaodong Yang, Xinxing He | Soil ecology, restoration ecology, global change ecology | 1) Coupling Mechanisms Among Soil Fauna, Microorganisms, and Plants; 2) Soil Biodiversity and Ecosystem Service Functions; 3) Functional Traits of Soil Fauna and Their Ecological Adaptation | yangxd@xtbg.ac.cn；hexinxing@xtbg.ac.cn；http://www.xtbg.ac.cn/2022/kywzq/seg/bfuir/ | Interdisciplinary research expertise spanning two or more disciplines including Soil Science, Ecology, Plant Physiology, Agricultural Resources and Environment, Microbiology, Bioinformatics, and Plant/Animal Taxonomy. |
| Zhi-Ling Yang | Plant - insect - symbiont interaction and evolution | 1. Pattern and mechanism of insect - symbiont interaction 2. Insect adaptations to plant chemical defenses | yangzhiling@xtbg.ac.cn https://xtbg.cas.cn/2022/kywzq/swhzyh/hzyhjj/ | Research experience in molecular biology, biological chemistry and analytical chemistry |
| Wen-Bin YU | Systeamtics and taxonomic revision | Conducting phylogenetic and taxonomic studies of the Malvaceae, Zingiberaceae, Orchidaceae plant groups, as well as macrofungi and tropical lichen groups integraitng DNA sequences, genomic data and morphological traits. | yuwenbin@xtbg.ac.cn https://www.xtbg.cas.cn/2022/kywzq/brg/eiwxn/ | 1) Doctoral dissertation focused on phylogenetic and taxonomic studies of selected groups;  2) First-author research papers in editorially rigorous journals related to the doctoral dissertation/postdoctoral dissertation. |
| Wen-Bin YU | Population Genetics and Conservation Biology | Conservation of rare and endangered species through in-situ and ex-situ population genetic diversity assessments. Research foucusing on population genomics and comparative phylogeography of tropical key species, such as Dipterocarpaceae. 1) Define priority conservation areas through the integration of phylogenetic diversity and distribution patterns;  2) Assess genetic diversity using genomic data to formulate integrated in-situ and ex-situ conservation strategies. | yuwenbin@xtbg.ac.cn https://www.xtbg.cas.cn/2022/kywzq/brg/eiwxn/ | 1) Demonstrated research background in molecular biology, population genetics, and related disciplines;  2) First-author research papers in editorially rigorous journals related to the doctoral dissertation/postdoctoral dissertation. |
| Wen-Bin YU | Species Diversification and Spatiotemporal Evolution of in Southeast Asian | Integrating methodologies from bioinformatics, phylogenomics, biogeography, geoinformatics, and ecology to elucidate the origins, evolution, and adaptation of biodiversity in Southeast Asia. Key investigations include:  1) The impact of Southeast Asian monsoon climate on the formation and evolutionary dynamics of plant species diversity;  2) Mechanisms driving the evolution of karst-adapted plant diversity across the Southwest China-Indochina Peninsula continuum. | yuwenbin@xtbg.ac.cn https://www.xtbg.cas.cn/2022/kywzq/brg/eiwxn/ | 1) Possesses interdisciplinary background spanning biology, ecology, environmental science, geography, computer science, and related fields;  2) First-author research papers in editorially rigorous journals related to the doctoral dissertation/postdoctoral dissertation. |
| Wen-Bin YU | Evolution of Parasitic and Carnivorous Plants | 1) Diversity and evolution of plant organellar genomes;  2) Interaction mechanisms between parasitic plants and host plants. | yuwenbin@xtbg.ac.cn https://www.xtbg.cas.cn/2022/kywzq/brg/eiwxn/ | 1) Demonstrated expertise in molecular biology, ecology, computer science, and allied research domains;  2) First-author research papers in editorially rigorous journals related to the doctoral dissertation/postdoctoral dissertation. |
| Feng Zhang | Theoretical Ecology | 1. Modelling the dynamics of ecology and evolution 2. Coevolution of animal-plant ecological network | fzhang@xtbg.ac.cn | Solid background in ecological theory, strong mathematical skills, and experience with simulation methods. |
| Yumei Zhang | Natural Medicinal Chemistry | 1. Hypoglycemic and Hypolipidemic Natural Products and Their Mechanisms of Action  2. Anti-Inflammatory Natural Products and Their Mechanisms of Action | zymei@xtbg.ac.cn https://xtbg.cas.cn/2022/rcdw/yjy/202210/t20221019\_6535803.html | 1. Professional backgrounds in pharmacology, molecular biology,pharmaceutics, natural medicinal chemistry, phytochemistry, and other related fields;  2. Candidates who have published relevant research papers as the first author in mainstream academic journals will be preferred. |