We proudly announce the foundation of the **German Centre for Integrative Biodiversity Research (iDiv)** which aims to become a world-class research centre in this emerging field. Its central mission is to promote **theory-driven experiments and synthesis** and **data-driven theory.** The concept of iDiv encompasses the detection of biodiversity, understanding its emergence, exploring its consequences for ecosystem functions and services, and developing strategies to safeguard biodiversity under global change.

iDiv

German Centre for Integrative Biodiversity Research

iDiv is a **National Research Centre** funded by the German Research Foundation (DFG). It is located in the city of Leipzig and jointly hosted by the Friedrich Schiller University Jena (FSU), the Martin Luther University Halle-Wittenberg (MLU), the University of Leipzig (UL) and the Helmholtz Centre for Environmental Research – UFZ. It is supported by the Leibniz Association, the Max Planck Society, the Klaus Tschira Foundation and the Free State of Saxony. Under one roof, 85 scientists and 45 support staff will collaborate in a highly integrated environment and benefit from central services (IT, eco- and bioinformatics, mechanics workshop, greenhouses).

The **iDiv founders form a consortium** of internationally renowned labs covering many aspects of biodiversity sciences and leading or co-leading several large-scale biodiversity experiments (e.g. Jena Experiment, BEF-China project, German Biodiversity Exploratories). The UFZ is currently establishing two new platforms: the *Global Change Experimental Facility (GCEF)* on 4 ha and a mesocosm ecotron facility. iDiv founders have initiated biodiversity databases of global relevance and host important biodiversity collections. Several groups work in the field of ecological theory and modeling.

As a unique feature, **a Synthesis Centre for Biodiversity Sciences (sDiv)** is integrated in the research environment of iDiv and offers international workshops, postdoc positions, and a sabbatical program to foster theory and synthesis. The **young biodiversity research training group (yDiv)** creates a new generation of biodiversity scientists with a solid theoretical background combined with diverse experimental and computational skills.

The alliance of the three universities (FSU, MLU, UL) and the UFZ invites applications for eight full professor positions (salary W3):

A professorship in "Theory in Biodiversity Sciences"

will develop comprehensive theories on the emergence and functional role of biodiversity using a synthetic and data-oriented approach (affiliated with FSU).

A professorship in "Experimental Interaction Ecology"

will analyze the role of trophic diversity and the linkage of below and aboveground interaction networks for ecosystem functions under climate change (affiliated with UL).

A professorship in "Molecular Interaction Ecology"

will use "omic" approaches to characterize structural and functional diversity in terrestrial or aquatic interaction networks (affiliated with FSU).

A professorship in "Evolution and Adaptation"

will address accelerated evolution and adaptation in host-pathogen systems and invasive species as well as community evolution under climate change (affiliated with UL).

A professorship in "Physiological Diversity"

will explore the physiological dimension of fundamental functional trade-offs across the plant kingdom using up-to-date analytical methods (affiliated with MLU).

A professorship in "Biodiversity Conservation"

with strong roots in both theoretical and empirical ecology and / or conservation genetics will translate modern biodiversity research into novel conservation concepts (affiliated with MLU).

A professorship in "Ecosystem Services"

will assimilate and analyze experimental and field data to link biodiversity patterns with ecosystem services at different scales (affiliated with FSU).

A professorship in "Biodiversity Synthesis"

will analyze large-scale datasets of biodiversity, ecosystem processes, environmental drivers and land-use as well as data from complex local experiments to test biodiversity theory using advanced computational methods (affiliated with MLU).

WHAT WE OFFER

The iDiv research centre is located on the BIO CITY campus (http://bio-city-leipzig.de) in Leipzig, a city known for its rich culture, excellent schools, and beautiful surroundings. Substantial funds for new personnel as well as start up grants for equipment are provided. Teaching will be at the affiliating university.

APPLICATION

We promote a research environment free of gender bias. Severely disabled persons are encouraged to apply and are preferred in the case of equal suitability. Applicants have an outstanding record in publications and third-party funding, experience in project coordination, and a successful teaching record. All iDiv groups are engaged in cross-disciplinary communication and outreach. Applications are in English with a detailed CV, certificates, complete publication list, description of teaching experience and successful grant applications. The cover letter summarizes past achievements, explains motivation to join iDiv and describes planned research and concepts of cooperation. Further information is given on www.idiv-biodiversity.de.

Applications should be sent before September 15, 2012 in printed and electronic form (as a single pdf file). A detailed description of each professorship and the respective application address can be found under www.idiv-biodiversity.de.

Furthermore, we seek **coordinators for sDiv and yDiv**, as well as **leaders for the central facility units** for bioinformatics and biodiversity informatics (see www.idiv-biodiversity.de).

sDiv Synthesis Centre for Biodiversity Sciences

yDiv young biodiversity research training group

In close collaboration, the IPK invites applications for a **Leader of a Junior Research Group** on Plant Domestication.

UNIVERSITÄT LEIPZIG

Friedrich-Schiller-Universität Jena

HELMHOLTZ ZENTRUM FÜR UMWELTFORSCHUNG UFZ

MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG

iDiv German Centre for Integrative Biodiversity Research

Friedrich-Schiller-Universität Jena

Full professorship (W3) in "Theory in Biodiversity Sciences"

About iDiv: The German Centre for Integrative Biodiversity Research (iDiv) aims to become a world-class research centre in the field of biodiversity science. Its central mission is to promote theory-driven synthesis and data-driven theory in this emerging field. The concept of iDiv encompasses detection and quantification of biodiversity, understanding its existence and emergence, exploring its consequences for ecosystem functions and services, and developing new strategies to safeguard biodiversity under global change.

iDiv is one of the seven National Research Centres funded by the German Research Foundation (DFG FZT 118). It will be located in the city of Leipzig, jointly hosted by the Friedrich Schiller University Jena (FSU), the Martin Luther University Halle-Wittenberg (MLU), the University of Leipzig (UL) and the Helmholtz Centre for Environmental Research – UFZ. It is supported by the Leibniz Association, the Max Planck Society, the Klaus Tschira Foundation and the Free State of Saxony. Under one roof, 85 scientists and 45 support staff, associated with eight new chair professor positions, three junior research groups and central services (IT, eco- and bioinformatics, mechanics workshop, greenhouses) will collaborate in a highly integrated environment.

As a unique feature, a Synthesis Centre for Biodiversity Sciences (sDiv) is physically and institutionally integrated in the active research environment of iDiv and will offer international workshops, postdoc positions and a sabbatical program to foster theoretical and synthetic thinking. The young biodiversity research training group (yDiv) will form a new generation of biodiversity scientists with a solid theoretical background combined with diverse experimental and computational skills necessary to advance the field.

Within iDiv the Faculty of Biology and Pharmacy at the Friedrich Schiller University Jena invites applications for a full (W3) professorship in "**Theory in Biodiversity Sciences**". We are looking for a theoretical ecologist with a broad scope and close links to empirical biodiversity research of aquatic and terrestrial communities. Using a synthetic approach the candidate contributes to the formation of a comprehensive theory of biodiversity. Topics of particular relevance for iDiv to be reflected in theory development include (i) the role of interaction diversity for ecosystem functioning, (ii) scaling rules for mechanisms of biodiversity emergence and consequences across space and time, and (iii) the role of evolution and adaptation for biodiversity dynamics in a changing environment. The applicant should have the ability to lead a diverse group and to inspire theory-driven experimentation and synthesis at the centre level. In order to achieve this, he/she is expected to establish a team with the expertise to tackle the key topics defined above and to initiate transdisciplinary projects integrating socio-economical drivers of biodiversity dynamics. The candidates should have a successful record in teaching undergraduate and graduate courses. Excellent communication skills and a record of synergistic activities are essential.

The applicant is expected to have an outstanding publication record, a proven ability to acquire third-party funding, and experience in project coordination. Habilitation or equivalent scientific experience is expected. A contribution in teaching (4 SWS) is expected to the BSc and MSc study programmes in "Biology", "Biogeosciences" and "Evolution, Ecology and Systematics" at the FSU Jena. Within the young biodiversity training group yDiv, a two CP training module on ecological theory and modeling has to be offered. Professors within iDiv are expected to contribute significantly to cross-disciplinary communication, graduate education, and public outreach.

First professorial appointments are limited in time before tenure can be granted. Exceptions of this regulation are possible. The position will be continued by the FSU after the end of DFG funding. Funds for new postdoctoral, PhD, technical and secretary positions are available as well as a start-up grant for equipment. The FSU as well as iDiv promote a research environment free of gender bias and, thus, aim to incorporate gender equality as a horizontal issue within a gender mainstreaming strategy. The FSU aims to increase the share of women in leading positions in science and research. Thus, given equal qualifications, female applicants will be recruited preferentially. Applicants with handicaps are encouraged to apply and will be given preference in the case of equal suitability.

Applications should be written in English, should comprise detailed curriculum vitae, certificates, a complete list of publications and successful grant applications, and a description of teaching experience. The cover letter will summarize the candidate's past achievements, explain his/her motivation to join iDiv, describe the planned research (max. 3 pages) and how the applicant will contribute to iDiv and cooperate with other groups and partner institutions of iDiv. Further information is given on www.idiv-biodiversity.de. For detailed requests please contact Prof. Dr. Kirsten Küsel (Institute of Ecology, AG Limnology-Aquatic Geomicrobiology, Dornburger-Str. 159, 07743 Jena, Germany; Kirsten.Kuesel@uni-jena.de; Tel. +49-3641-9-949461).

Applications should quote the job reference number and be sent before 15.09.2012 in printed and electronic form (as a single pdf file) to:

Friedrich Schiller University Jena
Faculty of Biology and Pharmacy
The Dean Professor Dr. Frank Hellwig
Fürstengraben 26
07743 Jena
Germany

dekanbio@uni-jena.de

iDiv German Centre for Integrative Biodiversity Research

UNIVERSITÄT LEIPZIG

Full professorship "Experimental Interaction Ecology"

About iDiv: The German Centre for Integrative Biodiversity Research (iDiv) aims to become a world-class research centre in the field of biodiversity science. Its central mission is to promote theory-driven synthesis and data-driven theory in this emerging field. The concept of iDiv encompasses detection and quantification of biodiversity, understanding its existence and emergence, exploring its consequences for ecosystem functions and services, and developing new strategies to safeguard biodiversity under global change.

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As a unique feature, a Synthesis Centre for Biodiversity Sciences (sDiv) is physically and institutionally integrated in the active research environment of iDiv and will offer international workshops, postdoc positions and a sabbatical program to foster theoretical and synthetic thinking. The young biodiversity research training group (yDiv) will form a new generation of biodiversity scientists with a solid theoretical background combined with diverse experimental and computational skills necessary to advance the field.

Within iDiv the Faculty of Biosciences, Pharmacy and Psychology at the University of Leipzig invites applications for a professorship in "Experimental Interaction Ecology". We are looking for an experimental ecologist with strong expertise in the theory and empirical analysis of ecological interactions in a biodiversity context. Key questions to be addressed in the context of iDiv are the role of vertical versus horizontal diversity for ecosystem functions, the linkage between below- and aboveground interaction networks and their sensitivity to global change agents. Excellent skills in experimental design, advanced statistics, and manipulation of model ecosystems and trophic networks are required. Additional expertise in the field of biodiversity theory and synthesis is a plus. The selected candidate will be responsible for the establishment of a new mesocosm ecotron facility and is expected to interact with a consortium developing a global change experimental facility (GCEF) for microclimate manipulation at the field-scale. He/she has an outstanding publication record, a proven ability to acquire third-party funding, and experience in project coordination. The candidate should also have a record in teaching undergraduate and graduate courses. A contribution in teaching is expected to the BSc and MSc study programme in "Biology" and "Biodiversity and Ecology" at the University of Leipzig (4 SWS). Professors within iDiv are expected to contribute significantly to cross-disciplinary communication, graduate education, and public outreach. Requirements for appointment are set out in § 58 Sächsisches Hochschulgesetz.

What we offer: The iDiv centre is located in a region where many members are involved in large-scale experiments in functional biodiversity such as the Jena Experiment, the BEF China project, or FunDivEUROPE. There is a comprehensive expertise in interaction ecology both in aquatic and terrestrial systems at the universities of Jena and Halle and at the Helmholtz Centre for Environmental Research (UFZ). The Max Planck Institute for Chemical Ecology is renowned for its research in the chemical and genetic underpinnings of ecological interactions. Within iDiv a strong synergy with groups working on biodiversity theory and synthesis is promoted and the synthesis centre sDiv with over 200 international visitors per year guaranties visibility and opportunity for scientific exchange.

Place of employment is Leipzig – known for its rich culture, architecture, excellent schools and beautiful surroundings (http://www.leipzig.de/int/en/). The new iDiv research centre is located on the campus of the BIO CITY in Leipzig (http://bio-city-leipzig.de). Payment will be according to the German tariff for professorships (W3), according to the regulations of the Free State of Saxony. The professorship is a tenured position and comes together with a substantial package of scientific and technical personnel as well as a competitive start-up grant for equipment.

The UL as well as iDiv promote a research environment free of gender bias and, thus, aim to incorporate gender equality as a horizontal issue following the gender mainstreaming strategy. The UL plans to increase the share of women in leading positions in science and research. We therefore strongly encourage women to apply. Given equal qualification, applicants with handicaps will be preferred. Mode and conditions for the employment follow the federal legislation of the Free State of Saxony (SächsHSG and Sächsische Dienstaufgabenverordnung).

Applications are in English, comprise a detailed CV, certificates, a complete publication list, a description of teaching experience and of successful grant applications. The cover letter summarizes the candidate's past achievements, explains his/her motivation to join iDiv, and describes the planned research (max. 3 pages) and how the applicant will contribute to iDiv and cooperate with other groups and partner institutes of iDiv. For detailed requests please contact Prof. Dr. Christian Wirth (Institute of Biology, AG Systematic Botany and Functional Biodiversity Research, Johannisallee 21-23, 04103 Leipzig, Germany; cwirth@uni-leipzig.de; Tel. ++49-341-97-38591). Further information is given on www.idiv-biodiversity.de.

Applications should be sent before 15.09.2012 in printed and electronic form to:

Universität Leipzig
Faculty for Biosciences, Pharmacy, and Psychology
The Dean Professor Dr. Andrea Robitzki
Brüderstraße 32
04103 Leipzig

dekanat.bio@uni-leipzig.de

iDiv German Centre for Integrative Biodiversity Research

Friedrich-Schiller-Universität Jena

Full professorship (W3) in "Molecular Interaction Ecology"

About iDiv: The German Centre for Integrative Biodiversity Research (iDiv) aims to become a world-class research centre in the field of biodiversity science. Its central mission is to promote theory-driven synthesis and data-driven theory in this emerging field. The concept of iDiv encompasses detection and quantification of biodiversity, understanding its existence and emergence, exploring its consequences for ecosystem functions and services, and developing new strategies to safeguard biodiversity under global change.

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As a unique feature, a Synthesis Centre for Biodiversity Sciences (sDiv) is physically and institutionally integrated in the active research environment of iDiv and will offer international workshops, postdoc positions and a sabbatical program to foster theoretical and synthetic thinking. The young biodiversity research training group (yDiv) will form a new generation of biodiversity scientists with a solid theoretical background combined with diverse experimental and computational skills necessary to advance the field.

Within iDiv the Faculty of Biology and Pharmacy at the Friedrich Schiller University Jena invites applications for a full professorship (W3) in "**Molecular Interaction Ecology**". We are looking for an ecologist with interests in characterizing structural and functional diversity related to molecular ecological interactions in terrestrial or aquatic communities. Using an interaction type (e.g. parasitism, symbioses, herbivory, allelopathy), the candidate will develop strategies based on model systems followed by experiments in more complex environments addressing different temporal scales. Competence in "omics" and bioinformatics is required for the candidate to synergistically integrate with the expertise already available in the iDiv consortium. The candidate should also have a record in teaching undergraduate and graduate courses. Excellent communication skills and a record of synergistic activities are essential.

The applicant is expected to have an outstanding publication record, a proven ability to acquire third-party funding, and experience in project coordination. Habilitation or equivalent scientific experience is expected. A contribution in teaching is expected to the BSc study programme "Biology" and to the MSc study programmes "Evolution, Ecology and Systematics", "Microbiology", "Biogeosciences" and/or "Chemical Biology" at the FSU Jena. Professors within iDiv are expected to contribute significantly to cross-disciplinary communication, graduate education, and public outreach.

First professorial appointments are limited in time before tenure can be granted. Exceptions of this regulation are possible. The position will be continued by the FSU after the end of DFG funding. Funds for new postdoctoral, PhD, technical and secretary positions are available as well as a start-up grant for equipment. Both FSU and iDiv promote a research environment free of gender bias and, thus, aim to incorporate gender equality as a horizontal issue within a gender mainstreaming strategy. The FSU aims to increase the share of women in leading positions in science and research. Thus, given equal qualifications, female applicants will be recruited preferentially. Applicants with handicaps are encouraged to apply and will be given preference in the case of equal suitability.

Applications should be written in English, should comprise detailed curriculum vitae, certificates, a complete list of publications and successful grant applications, and a description of teaching experience. The cover letter will summarize the candidate's past achievements, explain his/her motivation to join iDiv, describe the planned research (max. 3 pages) and how the applicant will contribute to iDiv and cooperate with other groups and partner institutions of iDiv. Further information is given on www.idiv-biodiversity.de. For detailed requests please contact Prof. Dr. Kirsten Küsel (Institute of Ecology, AG Limnology-Aquatic Geomicrobiology, Dornburger-Str. 159, 07743 Jena, Germany; Kirsten.Kuesel@uni-jena.de; Tel. +49-3641-9-949461).

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Friedrich Schiller University Jena
Faculty of Biology and Pharmacy
The Dean Professor Dr. Frank Hellwig
Fürstengraben 26
07743 Jena
Germany

dekanbio@uni-jena.de

iDiv German Centre for Integrative Biodiversity Research

UNIVERSITÄT LEIPZIG

Full professorship "Evolution and Adaption"

About iDiv: The German Centre for Integrative Biodiversity Research (iDiv) aims to become a world-class research centre in the field of biodiversity science. Its central mission is to promote theory-driven synthesis and data-driven theory in this emerging field. The concept of iDiv encompasses detection and quantification of biodiversity, understanding its existence and emergence, exploring its consequences for ecosystem functions and services, and developing new strategies to safeguard biodiversity under global change.

iDiv is one of the seven National Research Centres funded by the German Research Foundation (DFG FZT 118). It will be located in the city of Leipzig, jointly hosted by the Friedrich Schiller University Jena (FSU), the Martin Luther University Halle-Wittenberg (MLU), the University of Leipzig (UL) and the Helmholtz Centre for Environmental Research – UFZ. It is supported by the Leibniz Association, the Max Planck Society, the Klaus Tschira Foundation and the Free State of Saxony. Under one roof, 85 scientists and 45 support staff, associated with eight new chair professor positions, three junior research groups and central services (IT, eco- and bioinformatics, mechanics workshop, greenhouses) will collaborate in a highly integrated environment.

As a unique feature, a Synthesis Centre for Biodiversity Sciences (sDiv) is physically and institutionally integrated in the active research environment of iDiv and will offer international workshops, postdoc positions and a sabbatical program to foster theoretical and synthetic thinking. The young biodiversity research training group (yDiv) will form a new generation of biodiversity scientists with a solid theoretical background combined with diverse experimental and computational skills necessary to advance the field.

Within iDiv the Faculty of Biosciences, Psychology and Pharmacy at the UL invites applications for a professorship in "**Evolution and Adaption**". We are looking for an evolutionary biologist with a strong expertise in both population genetics and community evolution and a background preferably in zoology. The applicant should address one or several of the following research fields: Accelerated evolution and adaptation to global change, co-evolution of host-pathogen systems under changing environmental conditions, rapid evolution in invasive species and community feedback, and community evolution-adaptation to species diversity. We also expect the candidate to contribute to the development in evolutionary theory within the centre and beyond. He/she has an outstanding publication record, a proven ability to acquire third-party funding, and experience in project coordination and in leading and establishing large international working groups. The candidate should also have a record in teaching undergraduate and graduate courses. A contribution in teaching is expected to the BSc and MSc study programmes in "Biology" and "Biodiversity and Ecology" at the University of Leipzig (4 SWS). Professors within iDiv are expected to contribute significantly to cross-disciplinary communication, graduate education, and public outreach. Requirements for appointment are set out in § 58 Sächsisches Hochschulgesetz.

What we offer: The iDiv centre will be implemented in a region where many members of the consortium are already widely engaged in research on evolution and adaptation. There is comprehensive expertise in ecological and genetic causes for invasion and adaptation of plant species. Mechanisms driving patch, social and/or population level immunity are currently prime topics. Population biology, speciation, niche evolution, and conservation genetics of species in fragmented landscapes are investigated in different model systems. Body plan evolution, diversity and phylogeny of Annelida and Deuterostomia are studied using broad phylogenomic approaches. Morphological evolution and phylogeny with emphasis on Coleoptera are investigated in insects. Within iDiv a strong synergy with groups working on biodiversity theory and synthesis is promoted and the synthesis centre

sDiv with over 200 international visitors per year guaranties visibility and opportunity for scientific exchange.

Place of employment is Leipzig – known for its rich culture, architecture, excellent schools and beautiful surroundings (http://www.leipzig.de/int/en/). The new iDiv research centre is located on the campus of the BIO CITY in Leipzig (http://bio-city-leipzig.de). Payment will be according to the German tariff for professorships (W3), according to the regulations of the Free State of Saxony. The professorship is a tenured position and comes together with a substantial package of scientific and technical personnel as well as a competitive start-up grant for equipment.

The UL as well as iDiv promote a research environment free of gender bias and, thus, aim to incorporate gender equality as a horizontal issue following the gender mainstreaming strategy. The UL plans to increase the share of women in leading positions in science and research. We therefore strongly encourage women to apply. Given equal qualification, applicants with handicaps will be preferred. Mode and conditions for the employment follow the federal legislation of the Free State of Saxony (SächsHSG and Sächsische Dienstaufgabenverordnung).

Applications are in English, comprise a detailed CV, certificates, a complete publication list, a description of teaching experience and of successful grant applications. The cover letter summarizes the candidate's past achievements, explains his/her motivation to join iDiv, and describes the planned research (max. 3 pages) and how the applicant will contribute to iDiv and cooperate with other groups and partner institutes of iDiv. For detailed requests please contact Prof. Dr. Martin Schlegel (Institute of Biology / Molecular Evolution and Animal Systematics, University of Leipzig, Talstraße 33, 04103 Leipzig; Germany; schlegel@rz.uni-leipzig.de; Tel. ++49-341-97-36725). Further information is given on www.idiv-biodiversity.de.

Applications should be sent before 15.09.2012 in printed and electronic form to:

Universität Leipzig
Faculty for Biosciences, Pharmacy, and Psychology
The Dean Professor Dr. Andrea Robitzki
Brüderstraße 32
04103 Leipzig

dekanat.bio@uni-leipzig.de

iDiv German Centre for Integrative Biodiversity Research

MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG

HELMHOLTZ ZENTRUM FÜR UMWELTFORSCHUNG UFZ

Full professorship in "Physiological Diversity" (W3)

The newly established **German Centre for Integrative Biodiversity Research** (**iDiv**) aims to become a world-class research centre in the field of biodiversity science. The central mission is to promote **theory-driven synthesis** and **data-driven theory** in this emerging field. The concept of iDiv encompasses detection and quantification of biodiversity, understanding its existence and emergence, exploring the consequences for ecosystem functions and services, and developing new strategies to safeguard biodiversity under global change.

iDiv is one of the seven **National Research Centres** funded by the German Research Foundation (DFG FZT 118). It is located in the city of Leipzig, jointly hosted by the Martin Luther University Halle-Wittenberg (MLU), the Friedrich Schiller University Jena (FSU), the University of Leipzig (UL) and the Helmholtz Centre for Environmental Research UFZ. Furthermore, it is supported by the Leibniz Association, the Max Planck Society, and the Free State of Saxony. Under one roof, 85 scientists and 45 support staff, associated with eight new chair professor positions, three junior research groups and central services (IT, eco- and bioinformatics, mechanics workshop, greenhouses) will collaborate in a highly integrated environment.

The **founding consortium** of iDiv includes many internationally renowned labs in biodiversity sciences and related fields (chemical ecology, biogeochemistry, socio-economy, eco- and bioinformatics). iDiv members lead or co-lead several large-scale biodiversity experiments such as the Jena Experiment, the BEF-China project, BIOTREE, FunDIV EUROPE, and the German Biodiversity Exploratories. The UFZ is currently establishing the Global Change Experimental Facility (GCEF), a climate manipulation platform on 4 ha. Furthermore, a new mesocosm ecotron facility will be set up by iDiv. iDiv founders have initiated biodiversity and ecological databases of national and global relevance (e.g. TRY, BiolFlor, BExIS, FLUXNET, GVRD, A.P.E.S.). Several groups work in the field of ecological theory and modeling with international teams working with individual-based and global coupled ecosystem models. In addition, iDiv is embedded in a globally competitive regional network of biodiversity collections.

As a unique feature, a **Synthesis Centre for Biodiversity Sciences (sDiv)** is physically and institutionally integrated in the active research environment of iDiv and will offer international workshops, postdoc positions and a sabbatical program to foster theoretical and synthetic thinking. The **young biodiversity research training group (yDiv)** will help to form a new generation of biodiversity scientists with a solid theoretical background combined with diverse experimental and computational skills necessary to advance the field.

The professorship in "**Physiological Diversity**" will be jointly appointed by the Faculty of Natural Sciences I at the MLU and the Helmholtz Centre for Environmental Research (UFZ).

Specific tasks of the position: We are looking for a highly experienced scientist in a current field of ecophysiology, addressing ecological questions regarding the controls over growth, reproduction and survival of plants. The central link between ecophysiology and biodiversity research are fundamental trade-offs, which are implicit components in virtually all life history theories. Thus, the focus should not be on single model organisms, but on comparative approaches across different species. It is expected that she/he is highly competent in up-to-date analytical methods and proficient in the bioinformatical tools. Further fields of research might be the identification of proxy variables of physiological mechanisms (such as functional traits), the development of high-throughput analytical methods (such as metabolomics and spectroscopy) and remote sensing approaches to upscale ecophysiological characteristics to diversity patterns at the ecosystem level. These tasks are closely connected with the focal points of UFZ research.

The applicant is expected to have an outstanding publication record, a proven ability to acquire third-party funding, and experience in project coordination. Habilitation or equivalent scientific experience is expected. The candidates should have a successful record in teaching undergraduate and graduate courses. The successful applicant is expected to contribute to teaching the BSc and MSc study programmes in "Biology" of the MLU (4 SWS) is expected, as well as to the training modules of iDiv's graduate school, i.e. the Young Biodiversity Research Training Group (yDiv). Professors within iDiv are expected to enhance cross-disciplinary communication, graduate education, and public outreach.

What we offer: The iDiv consortium comprises a diverse set of founding members who are involved in plant physiology. As international centre of competence, the Helmholtz Centre for Environmental Research (UFZ) studies interactions between man and environment. The UFZ aims at developing concepts and methods that will ensure an intact environment for future generations. The group of this professorship is thought to fulfill a bridge function between the groups in molecular plant physiology and those concentrating on organismic approaches at the UFZ, MLU, UL and FSU.

Both the Max Planck Institute of Chemical Ecology in Jena (MPI-CE) and the Leibniz Institute of Plant Biochemistry in Halle (IPB) will provide full access to their metabolomics and natural product analysis platforms, to calibrate and validate high-throughput screening methods. Cross-taxa comparisons of resource allocation patterns are possible in the experimental platforms provided by iDiv, such as Jena Experiment (www.the-jena-experiment.de) and BEF-China (www.bef-china.de), where a multitude of herbaceous and woody species have been planted in a common environment at different levels of plant biodiversity. In the new Global Change Experimental Facility (GCEF) at the UFZ in Bad Lauchstädt, physiological links can be studied under different land use and climate change scenarios. The UFZ TERENO platform can be used to scale up ecophysiological characteristics, by means of remote sensing data with high spectral, spatial and temporal resolution.

Place of research will be the new iDiv research centre on the campus of BIO CITY in Leipzig (http://bio-city-leipzig.de), place of teaching will be the MLU at Halle, and exchange between the members of the alliance will also be part of the teaching activities. Leipzig is known for its rich culture, architecture, excellent schools, and beautiful surroundings (http://www.leipzig.de/int/en/). The universities of Leipzig and Halle are separated by a distance of only 35 km, with several train connections per hour. Payment will be according to the German tariff for full professors (W3), according to the regulations of the Federal State of Saxony-Anhalt. The professorship is a tenured position and comes together with a substantial package of scientific and technical personnel as well as a start-up grant for equipment.

The MLU, the UFZ as well as iDiv promote a research environment free of gender bias and, thus, aim to incorporate gender equality as a horizontal issue following the gender mainstreaming strategy. The MLU and the UFZ plan to increase the share of women in leading positions in science and research. Thus, given equal qualification, female applicants will be recruited preferentially. Severely disabled persons are encouraged to apply and will be given preference in the case of equal suitability.

Applications should be written in English, include a detailed CV, academic certificates, a complete publication list, a description of teaching experience and of successful grant applications. The cover letter will summarize the candidate's past achievements, explain his/her motivation to join iDiv, and describe the planned research (max. 3 pages) and how the applicant will contribute to iDiv and cooperate with other groups and partner institutions of iDiv. Further information is given on www.idiv-biodiversity.de.

It is important to note that applications have to be considered by the supervisory board of the Helmholtz Centre for Environmental Research – UFZ. A joint commission of representatives from the Martin Luther University Halle-Wittenberg and the UFZ will take part in the interviews.

For detailed requests please contact Prof. Dr. Helge Bruelheide (Institute of Biology / Geobotany and Botanical Garden, Martin Luther University Halle-Wittenberg, Am Kirchtor 1, 06108 Halle, Germany; helge.bruelheide@botanik.uni-halle.de; Tel. +49-345-55-26222) or Dr. Stefan Klotz (Helmholtz Centre

for Environmental Research – UFZ, Theodor-Lieser-Straße 4, 06120 Halle, Germany; stefan.klotz@ufz.de; Tel: +49 345 558-5302).

Applications should be sent before 15.09.2012 in both printed and electronic versions (as a single pdf file) to:

Martin Luther University Halle-Wittenberg
Faculty of Natural Sciences I
The Dean Prof. Dr. Reinhard Neubert
06099 Halle/Saale
Germany

Email: dekanat.bpnp@natfak1.uni-halle.de

iDiv German Centre for Integrative Biodiversity Research

MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG

Full Professorship in "Biodiversity Conservation" (W3)

The newly established **German Centre for Integrative Biodiversity Research** (**iDiv**) aims to become a world-class research centre in the field of biodiversity science. The central mission is to promote **theory-driven synthesis** and **data-driven theory** in this emerging field. The concept of iDiv encompasses detection and quantification of biodiversity, understanding its existence and emergence, exploring the consequences for ecosystem functions and services, and developing new strategies to safeguard biodiversity under global change.

iDiv is one of the seven **National Research Centres** funded by the German Research Foundation (DFG FZT 118). It is located in the city of Leipzig, jointly hosted by the Friedrich Schiller University Jena (FSU), the Martin Luther University Halle-Wittenberg (MLU), the University of Leipzig (UL) and the Helmholtz Centre for Environmental Research UFZ. Furthermore, it is supported by the Leibniz Association, the Max Planck Society, and the Free State of Saxony. Under a single roof, 85 scientists and 45 support staff, associated with eight new chair professor positions, three junior research groups and central services (IT, eco- and bioinformatics, mechanics workshop, greenhouses) will collaborate in a highly integrated environment.

The **founding consortium** of iDiv includes many internationally renowned labs in biodiversity sciences and related fields (chemical ecology, biogeochemistry, socio-economy, eco- and bioinformatics). iDiv members lead or co-lead several large-scale biodiversity experiments such as the Jena Experiment, the BEF-China project, BIOTREE, FunDIV EUROPE, and the German Biodiversity Exploratories. The UFZ is currently establishing the Global Change Experimental Facility (GCEF), a climate manipulation platform on 4 ha. Furthermore, a new mesocosm ecotron facility will be set up by iDiv. iDiv founders have initiated biodiversity and ecological databases of national and global relevance (e.g. TRY, BiolFlor, BExIS, FLUXNET, GVRD, A.P.E.S.). Several groups work in the field of ecological theory and modeling with internationally leading teams working with individual-based and global coupled ecosystem models. In addition, iDiv is embedded in a globally competitive regional network of biodiversity collections.

As a unique feature, a **Synthesis Centre for Biodiversity Sciences (sDiv)** is physically and institutionally integrated in the active research environment of iDiv and will offer international workshops, postdoc positions and a sabbatical program to foster theoretical and synthetic thinking. The **young biodiversity research training group (yDiv)** will help to form a new generation of biodiversity scientists with a solid theoretical background combined with diverse experimental and computational skills necessary to advance the field.

The Faculty of Natural Sciences I at the MLU invites applications for the iDiv professorship in "**Biodiversity Conservation**".

Specific tasks of the position: We seek a conservation biologist with strong roots in both theoretical and empirical ecology and/or in conservation genetics. We invite all candidates with a relevant background in conservation biology to apply, but are particularly interested in scientists who do not focus on a single concept or theory but are open to bringing different approaches together. The applicant should be experienced in large-scale biodiversity research and in biodiversity observation and monitoring, and must be capable of translating state-of-the-art biodiversity research into novel concepts suitable for real-world conservation. A particular task will be bridging the knowledge-implementation gap in biodiversity conservation, which will require active involvement in international and national conservation organizations, participating in commissions, counselling governmental bodies and contributing to supra-governmental conservation panels (especially IPBES).

The applicant is expected to have an outstanding publication record, a proven ability to acquire third-party funding, and experience in project coordination. The candidates should have a successful record

in teaching undergraduate and graduate courses. The successful applicant is expected to contribute to teaching the BSc and MSc study programmes in "Biology" of the MLU (4 SWS) is expected, as well as to the training modules of iDiv's graduate school, i.e. the Young Biodiversity Research Training Group (yDiv). Professors within iDiv are expected to enhance cross-disciplinary communication, graduate education, and public outreach.

What we offer: The iDiv consortium comprises a diverse set of founding members who are involved in conservation biology. Those at the University of Halle (MLU) and at the Helmholtz-Centre for Environmental Research (UFZ) in Halle have particular expertise in conservation genetics and conservation planning. Biodiversity has a long tradition dating back to the early 1800s in Halle and today biodiversity research is one of the core academic areas of the MLU, where ecological drivers for the decline of biodiversity are studied at all ecologically relevant scales, ranging from the ecosystem down to the individual gene in MLU's diverse research groups. Biodiversity research is also well reflected in its study programmes, with courses, seminars and lectures devoted to this topic.

Place of research will be the new iDiv research centre on the campus of BIO CITY in Leipzig (http://bio-city-leipzig.de), place of teaching will be the MLU at Halle, and exchange between the members of the alliance will also be part of the teaching activities. Leipzig is known for its rich culture, architecture, excellent schools, and beautiful surroundings (http://www.leipzig.de/int/en/). The Universities of Leipzig and Halle are separated by a distance of only 35 km, with several train connections per hour. Payment will be according to the German tariff for full professors (W3), according to the regulations of the Federal State of Saxony-Anhalt. The professorship is a tenured position and comes together with a substantial package of scientific and technical personnel as well as a start-up grant for equipment.

The MLU as well as iDiv promote a research environment free of gender bias and, thus, aim to incorporate gender equality as a horizontal issue within a gender mainstreaming strategy. The MLU aims to increase the share of women in leading positions in science and research. Thus, given equal qualification, female applicants will be recruited preferentially. Severely disabled persons are encouraged to apply and will be given preference in the case of equal suitability.

Applications should be written in English, include a detailed CV, academic certificates, a complete publication list, a description of teaching experience and of successful grant applications. The cover letter will summarize the candidate's past achievements, explain his/her motivation to join iDiv, and describe the planned research (max. 3 pages) and how the applicant will contribute to iDiv and cooperate with other groups and partner institutions of iDiv. Further information is given on www.idiv-biodiversity.de.

For detailed requests, please contact Prof. Dr. Helge Bruelheide (Institute of Biology / Geobotany and Botanical Garden, Martin Luther University Halle-Wittenberg, Am Kirchtor 1, 06108 Halle; Germany; helge.bruelheide@botanik.uni-halle.de; Tel. ++49-345-55-26222).

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06099 Halle/Saale
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Email: dekanat.bpnp@natfak1.uni-halle.de

Full professorship (W3) in "Ecosystem Services"

About iDiv: The German Centre for Integrative Biodiversity Research (iDiv) aims to become a world-class research centre in the field of biodiversity science. Its central mission is to promote theory-driven synthesis and data-driven theory in this emerging field. The concept of iDiv encompasses detection and quantification of biodiversity, understanding its existence and emergence, exploring its consequences for ecosystem functions and services, and developing new strategies to safeguard biodiversity under global change.

iDiv is one of the seven National Research Centres funded by the German Research Foundation (DFG FZT 118). It will be located in the city of Leipzig, jointly hosted by the Friedrich Schiller University Jena (FSU), the Martin Luther University Halle-Wittenberg (MLU), the University of Leipzig (UL) and the Helmholtz Centre for Environmental Research – UFZ. It is supported by the Leibniz Association, the Max Planck Society, the Klaus Tschira Foundation and the Free State of Saxony. Under one roof, 85 scientists and 45 support staff, associated with eight new chair professor positions, three junior research groups and central services (IT, eco- and bioinformatics, mechanics workshop, greenhouses) will collaborate in a highly integrated environment.

As a unique feature, a Synthesis Centre for Biodiversity Sciences (sDiv) is physically and institutionally integrated in the active research environment of iDiv and will offer international workshops, postdoc positions and a sabbatical program to foster theoretical and synthetic thinking. The young biodiversity research training group (yDiv) will form a new generation of biodiversity scientists with a solid theoretical background combined with diverse experimental and computational skills necessary to advance the field.

Within iDiv the Faculty of Biology and Pharmacy at the Friedrich Schiller University Jena and the Helmholtz Centre for Environmental Research (UFZ) invite applications for a full professorship (W3) in "**Ecosystem Services**" in the frame of a joint professorship. We are looking for an internationally renowned scientist with a background in ecosystem science/biodiversity, a proven track record in analyzing field data and experiments, and competence in mathematical analysis and synthesis with respect to ecosystem functioning. Based on this expertise we expect excellence in linking observed biodiversity patterns with ecosystem services (such as productivity, pollination, bio-control or ecosystem stability) at different scales. For analyzing the impacts of management options, collaborations are expected with other iDiv professorships, e.g., "Nature Conservation", and with scientists from the UFZ, especially from the humanities, in order to contribute to the Centre's research programme. The candidate should also have a record in teaching undergraduate and graduate courses. Excellent communication skills and a record of synergistic activities are essential.

The applicant is expected to have an outstanding publication record, a proven ability to acquire third-party funding, and experience in science administration. Habilitation or equivalent scientific experience is expected. A contribution in teaching (up to 4 SWS) is expected to the BSc study programme "Biology" and to the MSc study programme "Evolution, Ecology and Systematics" at the FSU Jena. Professors within iDiv are expected to contribute significantly to cross-disciplinary communication, graduate education, and public outreach.

First professorial appointments are limited in time before tenure can be granted. Exceptions of this regulation are possible. Funds for new postdoctoral, PhD, technical and secretary positions are available as well as a start-up grant for equipment. The FSU as well as iDiv promote a research environment free of gender bias and, thus, aim to incorporate gender equality as a horizontal issue within a gender mainstreaming strategy. The FSU aims to increase the share of women in leading positions in science and research. Thus, given equal qualifications, female applicants will be recruited

preferentially. Applicants with handicaps are encouraged to apply and will be given preference in the case of equal suitability.

Applications should be written in English, should comprise detailed curriculum vitae, certificates, a complete list of publications and successful grant applications, and a description of teaching experience. The cover letter will summarize the candidate's past achievements, explain his/her motivation to join iDiv, and describe the planned research (max. 3 pages) and how the applicant will contribute to iDiv and cooperate with other groups and partner institutions of iDiv. Further information is given on www.idiv-biodiversity.de. For detailed requests please contact Prof. Dr. Kirsten Küsel (Institute of Ecology, AG Limnology-Aquatic Geomicrobiology, Dornburger-Str. 159, 07743 Jena, Germany; Kirsten.Kuesel@uni-jena.de; Tel. +49-3641-9-949461) or Prof. Dr. Ralf Seppelt (Helmholtz Centre for Environmental Research – UFZ, Permoserstraße 15, 04318 Leipzig, Germany; ralf.seppelt@ufz.de; Tel.: +49 341 235 1250).

It is important to note that applications have to be considered by the supervisory board of the Helmholtz Centre for Environmental Research – UFZ. A joint commission of representatives from the Friedrich Schiller University Jena and the UFZ will take part in the interviews.

Applications should quote the job reference number and be sent before 15.09.2012 in printed and electronic form (as a single pdf file) to:

Friedrich Schiller University Jena
Faculty of Biology and Pharmacy
The Dean Professor Dr. Frank Hellwig
Fürstengraben 26
07743 Jena
Germany

dekanbio@uni-jena.de

iDiv German Centre for Integrative Biodiversity Research

MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG

Full professorship in "Biodiversity Synthesis" (W3)

The newly established **German Centre for Integrative Biodiversity Research** (**iDiv**) aims to become a world-class research centre in the field of biodiversity science. The central mission is to promote **theory-driven synthesis** and **data-driven theory** in this emerging field. The concept of iDiv encompasses detection and quantification of biodiversity, understanding its existence and emergence, exploring the consequences for ecosystem functions and services, and developing new strategies to safeguard biodiversity under global change.

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The Faculty of Natural Sciences III at the MLU invites applications for the iDiv professorship in "**Biodiversity Synthesis**".

Specific tasks of the position: We are witnessing an explosion of biodiversity data and information on ecosystem functioning as well as on environmental and anthropogenic drivers. However, only a small fraction of these data have so far been used to address fundamental questions related to the emergence, consequences, and conservation of global biodiversity. The prospect of advancing biodiversity theory by confrontation with data has greatly increased in recent years. We seek a scientist who will complement the iDiv consortium with a distinct profile in theoretical ecology and large-scale biodiversity data-mining. The candidate should be question-driven and have a profound technical expertise in (and has contributed to) the development of advanced computational methods for data integration, pattern detection, visualisation, model-data integration or workflow development. It is expected that the candidate has experience in processing complex and large datasets and is familiar with semantic search methods. (S)he should be able to form a group that encompasses expertise in

phylogenetic analysis, data-assimilation techniques, Bayesian hierarchical modelling, advanced GIS technology, image analysis, algorithm engineering or the analysis of remote sensing data.

The applicant is expected to have an outstanding publication record, a proven ability to acquire third-party funding, experience in project coordination and in leading and establishing large international working groups. The candidate should also have a successful record in teaching undergraduate and graduate courses. A contribution in teaching is expected to the BSc and MSc study program in "Bioinformatics" at MLU (4 SWS), as well as to the training modules of iDiv's graduate school, i.e. the Young Biodiversity Research Training Group (yDiv). Within yDiv, a two CP graduate course "Advanced Computational Methods in Biodiversity Synthesis" will be offered by the group of this professorship, covering important methods that range from machine-learning to model-data confrontation. Professors within iDiv are expected to contribute significantly to cross-disciplinary communication, graduate education, and public outreach. Furthermore, this group will have the leading role in organizing the annual sDiv "Crunch-my-data" workshop where iDiv members and leading international experts conduct synthesis and analysis with datasets from empirical iDiv projects.

What we offer: In iDiv, theory and synthesis are the foundation in which the experimental and applied pillars of the centre are grounded. Thus, this professorship will have a leading role in channelling ideas, theories and concepts in biodiversity research. There are numerous founding groups of iDiv with a long-standing experience in ecological synthesis within the iDiv consortium. Members of iDiv have a particular focus on spatial biodiversity analysis and distribution modelling. Help to compile the required datasets will be provided by empiricists in the iDiv consortium and will be complemented with relevant ancillary data by the iDiv biodiversity informatics unit. The Institute of Computer Science at MLU covers a broad spectrum of topics of core computer science including databases, data mining, data structures and efficient algorithms, algorithm engineering, software engineering, computer engineering, and theoretical computer science. In addition to BSc and MSc study programs in computer science, the Institute offers BSc and MSc study programs in bioinformatics. The Institute has established a wide range of cooperation in algorithm engineering, bioinformatics, and eHumanities.

Place of research will be the new iDiv research centre on the campus of BIO CITY in Leipzig (http://bio-city-leipzig.de), place of teaching will be the MLU at Halle, and exchange between the members of the alliance will also be part of the teaching activities. Leipzig is known for its rich culture, architecture, excellent schools, and beautiful surroundings (http://www.leipzig.de/int/en/). The Universities of Leipzig and Halle are separated by a distance of only 35 km, with several train connections per hour. Payment will be according to the German tariff for full professors (W3), according to the regulations of the Federal State of Saxony-Anhalt. The professorship is a tenured position and comes together with a substantial package of scientific and technical personnel as well as a start-up grant for equipment.

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For detailed requests, please contact Prof. Dr. Ivo Grosse (Institute of Computer Science, Martin Luther University Halle-Wittenberg, Von-Seckendorff-Platz 1, 06120 Halle; Germany; grosse@informatik.uni-halle.de; ++49-345-5524-774).

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Martin Luther University Halle-Wittenberg
Faculty of Natural Sciences III
The Dean
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