The iDiv Annual Conference 2022

Day 1 – Monday, 25 April 2022

09:00 Welcome by the conference chairs
Martina Herrmann, Omer Nevo, Marten Winter

09:15 Keynote Lecture
Claire Fortunel
Functional trait differences and the mechanisms structuring diverse communities

10:00 Coffee Break

10:15 The evolution of biotic interactions and ecosystem functioning (Chair: Andrea Galman)

10:30 Andressa Cabral
The pantropical co-variation of frugivore and plant fruit trait syndromes

10:45 Lucille Christien
Geographical patterns in seedling metabolome and defence against herbivory

11:00 Andréa Davrinche
Large within-tree leaf trait variation: responses to local species richness and soil nutrient availability.

11:15 Perttu Anttonen
Effects of tree richness, structural variation and leaf traits on herbivory and predation in different local scales in a subtropical BEF experiment

11:30 Axel Touw
Mixed responses – how microbes modulate defense responses against root herbivores

12:00 Lunch Break

12:45 Verónica Ceballos Núñez
Plant traits and Biodiversity Ecosystem Functioning (Chair: Malte Jochum, Sylvia Haider)

13:00 Malte Jochum
EcoSTressWeb – Investigating joint impacts of climate and biodiversity change on multifaceted interactions and ecosystem functioning

13:15 Nico Eisenhauer
Biotic Interactions as Mediators of Context-Dependent Biodiversity Ecosystem Functioning Relationships

13:30 Wentao Yu
The effect of pairwise tree-tree interactions on forest ecosystem functioning

13:45 Beate Michalzik
Triple-funneling of trees? Intra-canopy preferential flow of water and elements induced by tree canopies

14:00 Thomas Hornick
Dinner is served – Exploring the nutritional value of diverse pollen for soil foodwebs

14:15 The iDiv Barcoding Initiative – part I (iBarc) (Chair: Martin Schlegel)

14:30 Luis Daniel Prada-Salcedo
Effects of tree composition and soil depth on structure and functionality of belowground microbial communities in temperate European forests

14:45 Theresa Jürgen-Hickfang
Metabarcoding relates biodiversity and land use changes in the Peneda-Gerês National Park

15:00 Beate Michalzik
Global hotspots for soil nature conservation

15:15 Andrea Davrinche
Large within-tree leaf trait variation: responses to local species richness and soil nutrient availability.

15:30 Wentao Yu
The effect of pairwise tree-tree interactions on forest ecosystem functioning

15:45 Beate Michalzik
Triple-funneling of trees? Intra-canopy preferential flow of water and elements induced by tree canopies

16:00 Thomas Hornick
Dinner is served – Exploring the nutritional value of diverse pollen for soil foodwebs

16:15 The iDiv Barcoding Initiative – part II (iBarc) (Chair: Martin Schlegel)

16:30 Luis Daniel Prada-Salcedo
Effects of tree composition and soil depth on structure and functionality of belowground microbial communities in temperate European forests

16:45 Theresa Jürgen-Hickfang
Metabarcoding relates biodiversity and land use changes in the Peneda-Gerês National Park

17:00 Beate Michalzik
Global hotspots for soil nature conservation

17:15 Andrea Davrinche
Large within-tree leaf trait variation: responses to local species richness and soil nutrient availability.

17:30 Wentao Yu
The effect of pairwise tree-tree interactions on forest ecosystem functioning

17:45 Beate Michalzik
Triple-funneling of trees? Intra-canopy preferential flow of water and elements induced by tree canopies

18:00 Thomas Hornick
Dinner is served – Exploring the nutritional value of diverse pollen for soil foodwebs

18:15 The iDiv Barcoding Initiative – part III (iBarc) (Chair: Martin Schlegel)

18:30 Luis Daniel Prada-Salcedo
Effects of tree composition and soil depth on structure and functionality of belowground microbial communities in temperate European forests

18:45 Theresa Jürgen-Hickfang
Metabarcoding relates biodiversity and land use changes in the Peneda-Gerês National Park

19:00 Social Event – Science Slam

Interactive Sessions

19:45 The iDiv Barcoding Initiative – part II – discussion (iBarc) (Chair: Martin Schlegel, Martina Herrmann, Nicole van Damm)
Speakers: Jule Freudenthal: Deep molecular characterization of eukaryotic microorganism diversity and community composition in the canopy region using a metatranscriptomics approach (micDiv II)
Kenneth Dumack: From the taxonomic assignment via metabarcoding to the exploration of functioning, Stephanie Jurjung: CoMiDa: a community microbiome database

19:55 R Game
Speakers: Diana Bowler, Corey Callaghan

20:05 Jess Kätte: The ‘iRty’ R package for preprocessing plant trait data
Oskar Hagen: iRty package gen/3is
Corey Callaghan: Creating html plots in R
Matthias Grenier: (toolset) the R workflow engine to help your analyses be reproducible
Steffen Ehmann: Using checkmate to set bugs checkmate
Guillaume Potoin: R package purr
Minghua Shen: R package purr

20:25 Interactive lecture for diversity and inclusion (Chair: Judith Rakowski)

Evaluation of Programme

The session Priority Biodiversity Change Drivers for iDiv will take place on 26 April at 16:00

DFG – The German Research Foundation

On nature's trail.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Opening Remarks</td>
</tr>
<tr>
<td>9:15</td>
<td>Keynote talk</td>
</tr>
<tr>
<td>10:00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:15</td>
<td>Complexity (Chairs: Renske Onstein, Saneesh Cherapurath Soman, Demetra Rakosy)</td>
</tr>
<tr>
<td>10:30</td>
<td>Adriana Alzate</td>
</tr>
<tr>
<td>10:45</td>
<td>Alexandra Werner</td>
</tr>
<tr>
<td>11:00</td>
<td>Friederike Wölke</td>
</tr>
<tr>
<td>11:15</td>
<td>Hendrik Müller</td>
</tr>
<tr>
<td>11:30</td>
<td>Samuel Fischer</td>
</tr>
<tr>
<td>12:00</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>12:45</td>
<td>Josiane Segar</td>
</tr>
<tr>
<td>13:00</td>
<td>Caterina Barrasso</td>
</tr>
<tr>
<td>13:15</td>
<td>Steffen Ermann</td>
</tr>
<tr>
<td>13:30</td>
<td>Maximilian Lange</td>
</tr>
<tr>
<td>13:45</td>
<td>Ana Carolina Antunes</td>
</tr>
<tr>
<td>14:00</td>
<td>Diego Brizuela Torres</td>
</tr>
<tr>
<td>14:15</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>14:30</td>
<td>Poster Sessions</td>
</tr>
<tr>
<td>15:30</td>
<td>Plenary: Award Ceremony</td>
</tr>
<tr>
<td>16:00</td>
<td>Interactive Sessions</td>
</tr>
</tbody>
</table>

**Child and Nature**

**Speakers:**
- Daniel Haun: Minding the origins of human behavior
- Karri Neldner: Studying children's attitudes towards humans and non-human animals
- Katja Liebal: Cultural diversity of children's attitudes towards animals

**Interactive Sessions**

**Priority Biodiversity Change Drivers for iDiv – World Café – Integrating perspectives on change drivers of question-oriented data users and data-oriented producers**

**Speakers:**

**iDiv Annual Conference 2022**

Day 2 — Tuesday, 26 April 2022

Coffee Break 09:15
Day 2 — Tuesday, 26 April 2022

60'

16:00

**Crash course high-level policy – How to navigate the world of "distinguished delegates"**

**Chair:** Andrea Perino

**The future of biodiversity monitoring in Europe**

**Chair:** Jessi Junker

The iDiv Annual Conference 2022 is supported by

Zoo Leipzig

KIST

Steelcase

On nature's trail.