



Herzogenhorn, May 10th - 13th 2020

<http://4science.de/BFSS2020/>

This school provides specialized training in methods for downstream analyses that combine (epi)genetic, environmental, and geographic information to draw ecological insights.

Draft Program

Sunday May 10th

11:15, 12:15, 13:15	Bus shuttles from Feldberg-Bärental train station to venue
11:30 – 14:00	Registration open, poster setup
14:00	<u>Welcome lecture</u> (Magnus Nordborg, GMI Vienna) “Identifying locally adaptive alleles using GWAS”
15:00	Coffee break
15:30 – 16:30	<u>Lecture I: NGS data processing (quality checks and mapping)</u> (Fabian Haas & Noe Fernandez Pozo, University of Marburg)
16:30 – 17:30	<u>Lecture II: Processing bs-seq and ChIP-seq data: DMPs, DMRs and peak finding</u> (Katia Symeonidi, LMU Munich)
18:00	Welcome reception with food and beverages
19:30	<u>Evening lecture: Why, how and where to talk about science</u> Mary Williams (@PlantTeaching), The Plant Cell features editor / Plantae.org / ASPB
later	<i>Moss cocktail workshop</i>

Monday May 11th

9:00 – 9:45	<u>Lecture III: How to combine genetic, epigenetic, environmental and phenotypic data?</u> (Christina Richards, University of South Florida)
9:45 – 10:30	<u>Lecture IV: Epimutation analysis in trees</u> (Frank Johannes, LMU Munich)
10:30	Coffee break
11:00 – 11:45	<u>Lecture V: How to connect (epi-)genetic variation with environmental data</u> (Jesse R. Lasky, PennState)
12:00	Lunch
13:00 – 13:45	<u>Lecture VI: Retrieval and processing of environmental data</u> (Lars Opgenoorth, University of Marburg & Benjamin Dauphin, Swiss Federal Research Inst.)
14:00 – 14:45	<i>Oral session I (three 12+3min contributed talks)</i>
15:00	Group foto
<i>Excursion</i>	
15:15	<i>Departure</i>
15:30	<i>Uphill drive with Seebuck cable car</i>
16:00	<i>Reception on 11th floor of Feldberg tower</i>
16:45	<i>Glacial relict excursion and walk down</i>
~18:00	<i>Return</i>
18:30	Supper
19:30	<i>Poster session I with beverages</i>
later	<i>Pub quiz</i>

Tuesday May 12th

9:00 – 9:45 *Oral session II (three 12+3min contributed talks)*
9:45 – 10:30 **Lecture VII: The EpiDiverse bs-seq pipeline**
(Adam Nunn, EcSeq Leipzig)
10:30 Coffee break
11:00 – 11:45 **Lecture VIII: The EpiDiverse EWAS pipeline**
(Nilay Can, University of Marburg)
12:00 Lunch
13:00 – 15:00 *Poster session II with coffee*
15:00 – 17:45 **Hands-on sessions (concurrent): about the lectures' topics**
18:00 Supper
later Farewell party

Wednesday May 13th

09:30 Shuttle from venue to Feldberg-Bärental train station

Participants are highly encouraged to present their work as a short talk or in the poster sessions.

Thank you to our partners and sponsors!

The Black Forest Summer School 2020 is organized by 4Science e.V. (Freiburg/Marburg, Germany) in the framework of the EpiDiverse training network, as a joint action with the University of Marburg; support by Novogene is gratefully acknowledged.

