

# 4<sup>th</sup> GCBN de.NBI User Training – PLANT 2030 Summer School

## BBB – Basic Bioinformatics training for Biologists



25<sup>th</sup> – 27<sup>th</sup> September 2017 – IPK Gatersleben



The 4<sup>th</sup> German Crop BioGreenformatics Network (GCBN, <https://www.denbi.de/gcbn>) user training will provide a hands-on introduction to useful bioinformatics tools for *biologists with little or no previous knowledge*. The training will enable biologists to process their own small and large datasets using R and Linux based methods and is entirely computer-based with interspersed lectures. For more information, please contact [denbi@ipk-gatersleben.de](mailto:denbi@ipk-gatersleben.de).

### Topics:

Introduction into Linux and R (Ubuntu, RStudio) – *Andrea Bräutigam*

Sequence analysis using Blast and simple phylogenies (Ubuntu, Blast+, seaview) – *Uwe Scholz*

Data processing with Linux tools (awk, sed, ...) – *Martin Mascher*

Introduction to databases (concepts, SQL, programming) – *Matthias Lange*

Statistics and figures (R) – *Yusheng Zhao*

### Pre-School Assignments:

We require students to self-study four online courses before the start

<http://tryr.codeschool.com>; <http://linuxsurvival.com/>; <https://regexone.com/>; <https://www.w3schools.com/sql/>

### Application and Deadlines:

In total, 25 participants (PhD students & postdoctoral fellows) will be selected based on a short application. Please send your CV and a short motivation description of no more than 2000 characters in one (!) pdf file via email to [denbi@ipk-gatersleben.de](mailto:denbi@ipk-gatersleben.de). Applicants from the **PLANT 2030 ACADEMY** use the keyword “PLANT 2030” in the subject of the email.

**Application Deadline: 31<sup>st</sup> of May 2017**  
**Selection of Participants: 15<sup>th</sup> of June 2017**

IPK will provide transfer between the hotel in Quedlinburg and the training venue. Hotel rooms are blocked until 30-JUN-2017. Participants chosen for the course will receive the booking code with their confirmation email. Please organize travel and accommodation on your own. Costs for this special offer per night are 48,- Euro (including breakfast) in the “Acron Hotel” (<http://www.acron-quedlinburg.de/>).

**IPK Gatersleben, OT Gatersleben, Corrensstraße 3, 06466 Seeland, Germany**

*Organizers: Andrea Bräutigam & Uwe Scholz*

travel to Quedlinburg: [http://www.quedlinburg.de/en/planning\\_your\\_route.html](http://www.quedlinburg.de/en/planning_your_route.html)

travel to IPK Gatersleben: <http://www.ipk-gatersleben.de/en/contact/travel-information/>

the IPK: <http://www.ipk-gatersleben.de/en/contact/travel-information>

the Campus: [http://www.ipk-gatersleben.de/fileadmin/content-ipk/content-ipk-institut/Downloads/2016/160330\\_Plan-Biotech-Campus\\_Gatersleben-Legende.pdf](http://www.ipk-gatersleben.de/fileadmin/content-ipk/content-ipk-institut/Downloads/2016/160330_Plan-Biotech-Campus_Gatersleben-Legende.pdf)

