

All you need to know about resources, services & collaboration opportunities provided

Bioinformatics infrastructure

Platform provides computational and software resources for computational and wetlab biologists



What: shiny server for interactive R applications
For whom: drylab (developing the app) + Wetlab (using the app)
Links: <http://shiny.mdc-berlin.de>
How to get help: <https://itsupport.mdc-berlin.net/>



What: In-house mirror of UCSC genome Browser
For whom: drylab + Wetlab
Links: <http://genome.mdc-berlin.de>
How to get help: <https://itsupport.mdc-berlin.net/>



What: In-house instance of instance of Galaxy Server
For whom: all MDC users
Links: <https://galaxy.mdc-berlin.net>
How to get help: <https://itsupport.mdc-berlin.net/>



What: Reproducible scientific software for linux desktops & HPC
For whom: People who need to install scientific software
Links: <http://guix.mdc-berlin.de/documentation>
How to get help: <https://itsupport.mdc-berlin.net/>



40+ Linux WS
What: App servers, Workstations, all running a Linux Distribution (Ubuntu or RedHat based)
For whom: BIMSB users
How to get help: <https://itsupport.mdc-berlin.net/>



compute servers
What: Dedicated computational servers (assistance on deciding what to buy → support until the server is retired)
For whom: Groups who needed powerful dedicated machines
How to get help: bimbsb_itsupport@mdc-berlin.de



Virtual machines
What: High resource Virtual Machines for running scientific tools, webtools (with public access)
For whom: All BIMSB Users
How to get help: bimbsb_itsupport@mdc-berlin.de



Training System
What: up to 25 training laptops preinstalled with the requested tools
For whom: all training participants
How to get help: bimbsb_itsupport@mdc-berlin.de



What: data sharing over https
For whom: All BIMSB/MDC Users
Links: <https://bimbsbstatic.mdc-berlin.net/> .de
How to get help: bimbsb_itsupport@mdc-berlin.de

Consultation, Mentorship & Training

Platform provides know-how for research and software projects in different formats



What: Consultation related to bioinformatics and data analysis related questions
For whom: Researchers who are looking for advice on how to proceed on data analysis
How to get access: <http://iris.mdc-berlin.de>



What: one-2-one mentorship to develop computational skills
For whom: People who have some computational skills and want to improve them with a mentor
How to get access: <http://iris.mdc-berlin.de>



What: Yearly computational genomics course
For whom: People who want to improve skills
How to get access: <http://compgen.mdc-berlin.de> , follow @AltunaAkalin to get updates

Learning resources maintained by the platform:

- ✓ Linux+HPC tutorial: <http://bioinformatics.mdc-berlin.de/intro2UnixandSGE/>
- ✓ Computational Genomics with R book: <http://compngenomr.github.io/book>
- ✓ biostars forum for MDC (Q&A forum): <http://biostar.mdc-berlin.net/>
- ✓ PiGx pipeline manuals (Genomics pipelines): http://bioinformatics.mdc-berlin.de/piqx_docs/ <http://bioinformatics.mdc-berlin.de/piqx>

Research Collaboration

Platform provides multiple avenues for research collaboration

Large-Scale collaboration

What: These are projects have large-scale data and/or complex analysis requirements. Needs significant time investment.

How to get access: consultation request <http://iris.mdc-berlin.de>

Small-Scale collaboration

What: These are small-scale projects where someone in the lab has specialized expertise, set of existing scripts or established pipelines such as PiGx <https://bioinformatics.mdc-berlin.de/piqx> .

How to get access: consultation or small-scale project request <http://iris.mdc-berlin.de>