Julia Workshop

The workshop will provide an introduction to the programming language Julia and its use in whole genome analyses. The course consists of lectures and practical components with hands-on exercises.

Target group and requirements:

- The course is intended for PhD students, postdoctoral researchers and scientists
- Participants should bring their own laptops with Windows, Mac or Unix operating systems installed and with docker software preinstalled (www.docker.com).

Organisation and Contact:
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Uli Benz / TUM

December 03 – 07, 2018

**Technische Universität München
Campus of the TUM School of Life Sciences Weihenstephan,
Freising, Germany**

Instructors:

Prof. Rohan Fernando/Iowa State University
Dr. Christian Stricker/agn Genetics GmbH

Topics covered:

- Introduction to Docker containers, Jupyter notebooks and Julia
- Use of a genetic simulation package called XSim and a whole-genome analysis package called JWAS, both of these are open-source packages that are written entirely in Julia
- Programming in Julia, including using it as a matrix calculator
- Advanced programming topics in Julia

Registration and more information:
www.plantbreeding.wzw.tum.de/index.php?id=132

Deadline: October 21, 2018