



EMBL Computing Skills For Reproducible Research: Software Carpentry - Virtual

EMBL COURSE



EMBL Courses and Conferences during the Coronavirus pandemic

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found [here](#).

Programme

Got something to say? Tweet it with [#EMBLSoftwareCarpentry](#)

The following times are used in the programme below:

- Central European Time (CEST): eg. Berlin, Amsterdam Paris
- Eastern Standard Time (EDT): eg. New York, Quebec

To find out the equivalent time zone in your location, enter Berlin, the CEST programme time and your city into the [Time Zone Converter](#).

Day 1 - Monday 19 October 2020

Time	Speaker
09:00-10:00 (CEST) 03:00-04:00 (EDT)	Technical Troubleshooting
	Interactive:
10:00-11:00 (CEST) 04:00-05:00 (EDT)	Onboarding & Ice-Breaker Raili Pall, Maryann Heck, Yvonne Yeboah and Irena Provaznikova - EMBL Heidelberg, Germany
	Practical:
	Automatic tasks with the Unix shell
11:00-12:30 (CEST) 05:00-06:30 (EDT)	Frank Thommen - DKFZ Heidelberg, Germany Thea Van Rossum - EMBL Heidelberg, Germany <i>Helpers: Holger Dinkel - Max Planck Institute for Biological Cybernetics, Germany, Nikolaos Papadopoulos and Melanie Kaeser - EMBL Heidelberg, Germany</i>
12:30-13:30 (CEST) 06:30-07:30 (EDT)	Lunch break
	Practical:
	Automatic tasks with the Unix shell (cont.)
13:30-15:00 (CEST) 07:30-09:00 (EDT)	Frank Thommen - DKFZ Heidelberg, Germany Thea Van Rossum - EMBL Heidelberg, Germany <i>Helpers: Holger Dinkel - Max Planck Institute for Biological Cybernetics, Germany, Nikolaos Papadopoulos and Melanie Kaeser - EMBL Heidelberg, Germany</i>
15:00-15:10 (CEST) 09:00-09:10 (EDT)	Short break
15:10-15:40 (CEST) 09:10-09:40 (EDT)	Interactive: Lightning talks (instructors)
15:40-15:55 (CEST) 09:40-09:55 (EDT)	Break
15:55-16:55 (CEST) 09:55-10:55 (EDT)	Virtual Social Programme: Speed networking: 1-1

Day 2 - Tuesday 20 October 2020

Time	Speaker
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	Practical: Python building blocks and code structure Toby Hodges - The Carpentries, USA Malvika Sharan - The Alan Turing Institute, UK <i>Helpers: Holger Dinkel - Max Planck Institute for Biological Cybernetics, Germany, Kimberly Isobel Meechan and Melanie Kaeser - EMBL Heidelberg, Germany</i>
10:00-12:30 (CEST) 04:00-06:30 (EDT)	
12:30-13:30 (CEST) 06:30-07:30 (EDT)	Lunch break
	Practical: Programming with Python (cont.) Toby Hodges - The Carpentries, USA Malvika Sharan - The Alan Turing Institute, UK <i>Helpers: Holger Dinkel - Max Planck Institute for Biological Cybernetics, Germany, Kimberly Isobel Meechan and Melanie Kaeser - EMBL Heidelberg, Germany</i>
13:30-15:00 (CEST) 07:30-09:00 (EDT)	
15:00-15:10 (CEST) 09:00-09:10 (EDT)	Short break
15:10-15:40 (CEST) 09:10-09:40 (EDT)	Interactive: Lightning talks (participants group 1)

Day 3 - Wednesday 21 October 2020

Time	Speaker
	Practical: Programming with Python (cont.) Toby Hodges - The Carpentries, USA Malvika Sharan - The Alan Turing Institute, UK <i>Helpers: Holger Dinkel - Max Planck Institute for Biological Cybernetics, Germany, Nikolaos Papadopoulos and Kimberly Isobel Meechan - EMBL Heidelberg, Germany</i>
10:00-12:30 (CEST) 04:00-06:30 (EDT)	
12:30-13:30 (CEST) 06:30-07:30 (EDT)	Lunch break
	Practical: Version Control with Git & GitHub Holger Dinkel - Max Planck Institute for Biological Cybernetics, Germany <i>Helpers: Kimberly Isobel Meechan - EMBL Heidelberg, Germany and Malvika Sharan - The Alan Turing Institute, UK</i>
13:30-15:00 (CEST) 07:30-09:00 (EDT)	

15:00-15:10 (CEST) 09:00-09:10 (EDT)	Short break
15:10-15:40 (CEST) 09:10-09:40 (EDT)	Interactive: Lightning talks (participants group 2)
15:40-15:45 (CEST) 09:40-09:45 (EDT)	Short break
15:45-16:45 (CEST) 09:45-10:45 (EDT)	Virtual Social Programme: Pub Quiz

Day 4 - Thursday 22 October 2020

Time Speaker

10:00-12:30 (CEST) 04:00-06:30 (EDT)	Practical: Version Control with Git & GitHub (cont.) Holger Dinkel - Max Planck Institute for Biological Cybernetics, Germany <i>Helper: Toby Hodges - The Carpentries, USA</i>
12:30-13:30 (CEST) 06:30-07:30 (EDT)	Lunch break
13:30-14:25 (CEST) 07:30-08:25 (EDT)	Additional Session: Automatic tasks with the Unix shell Frank Thommen - DKFZ Heidelberg, Germany
14:25-14:35 (CEST) 08:25-08:35 (EDT)	Short break
14:35-16:35 (CEST) 08:35-10:35 (EDT)	Practical: HPC & job scheduling on Slurm Mike Smith - EMBL Heidelberg, Germany <i>Helpers: Toby Hodges - The Carpentries, USA and Christian Schudoma - EMBL Heidelberg, Germany</i>

Day 5 - Friday 23 October 2020

Time Speaker

10:00-12:30 (CEST) 04:00-06:30 (EDT)	Practical: Workflow management with Snakemake Thomas Schwarzl - EMBL Heidelberg, Germany <i>Helpers: Christian Schudoma and Kimberly Isobel Meechan - EMBL Heidelberg, Germany</i>
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12:30-13:30 (CEST)	Lunch break
06:30-07:30 (EDT)	
13:30-15:00 (CEST)	Interactive:
07:30-09:00 (EDT)	Discussion & Wrap-Up
15:00 (CEST)	End of course
09:00 (EDT)	