

#1 Nanopore → Hackathon

Unleashing Real-Time Long-Read Analysis

Mainz, Germany

BioZentrum I & Stiftungshaus
auf dem Gutenberg-Campus

Free of charge

Food & drinks will be provided
at the event.

30 participants

Tickets will be given out
early February

04 - 08th of March

NETWORK:

Meet the experts from ONT and fellow
scientists from all over Germany

HANDS ON:

Integrate pipelines into Oxford Nanopore
Technologies' EPI2ME ONE platform

GAIN EXPERIENCE:

with Docker, Nextflow, Github, Nanopore
sequencing data and frontend development

GROUP WORK:

Brainstorm and develop useful software
for the nanopore community



important
locations



possible evening
activities



<https://shorturl.at/htDEJ>

linktr.ee/nanoporehackathon

ORGANISED BY: **Stefan Pastor**
Johannes Gutenberg-University Mainz

Prof Dr Susanne Gerber
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University Medical Center Mainz

Dr Andre Holzer
Holzer Consulting

Dr Christine Driller
Institute for Quantitative &
Computational Biosciences

Dr Alexander Vogel
Oxford Nanopore Technologies

Dr Alexander Rotmann
Oxford Nanopore Technologies

Monday, 04 March

Day 1: Workshop session

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|-----------------|---|
| 09:00 - 09:30 | Registration and Welcome |
| 09:30 - 10:15 | Introduction to Nanopore Data Analysis |
| 10:30 - 11:30 | Best practices of developing nextflow workflows |
| 11:30 - 12:30 | Continuous development and integration in
bioinformatic software development |
| 12:30 - 13:30 | Lunch break |
| 13:30 - 14:30 | Development of high performance nanopore
analysis workflows |
| 14:30 - 15:30 | Bioinformatic data visualisation of nanopore data |
| 15:30 - 16:00 | Afternoon break |
| 16:00 - 17:30 | Setting up development environment and testing |
| Optional: 19:00 | Guided City Tour in English |

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Tuesday, 05 March

Day 2: Concept development

09:00 - 09:15	Welcome to day 2
09:15 - 9:30	Introduction round
09:30 - 10:00	Scientific speeddating
10:00 - 12:30	Concept development
12:45 - 13:45	Lunch break
13:45 - 14:30	Present long-read RNA-seq & NanopoReaTA
14:30 - 14:45	Q+A regarding long-read RNA seq
14:45 - 15:00	Icebreaker: Human Bingo
14:45 - 15:15	Afternoon break
15:15 - 15:45	Present long-read metagenomics pipeline
15:45 - 16:00	Q+A regarding long-read metagenomics
16:00 - 17:00	Team forming & expert grouping

* **Location:** *Stiftungshaus auf dem Gutenberg-Campus,
Johann-Friedrich-v.-Pfeiffer-Weg 2, 55128 Mainz*

Wednesday, 06 March

Day 3: Hack day I

09:00 - 09:15	Welcome to day 3
09:15 - 10:30	Icebreaker: Code Sharade
10:30 - 12:30	Project planning (team internal): discuss and plan your project, coordinate tasks and get started
12:30 - 13:15	Concept presentation & discussion between groups
13:15 - 14:45	Lunch break & botanic garden tour
14:15 - 16:00	Coding session & speed mentoring
16:00 - 16:30	Coffee break & midday discussions
16:30 - 17:00	Coding session & speed mentoring
17:00 - 18:00	Daily wrapup and open exchange
Optional: 18:30	Dinner at the local brewery (Eulchen Brauerei)

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Thursday, 07 March

Day 4: Hack day II

09:00 - 09:15	Welcome to day 4
09:15 - 09:45	Planning for the day (team internal)
09:45 - 13:00	Coding session
13:00 - 14:00	Lunch break
14:00 - 15:30	Coding session
15:30 - 16:00	Coffee break & midday discussions
16:00 - 17:00	Coding session
17:00 - 18:00	Daily wrapup - results and open exchange

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Friday, 07 March

Day 5: Hack day III + Workshop summary

09:00 - 09:15	Welcome to day 5
09:15 - 09:45	Planning for the day (team internal)
09:45 - 13:00	Final coding & debugging session
13:00 - 14:00	Lunch break
14:00 - 16:00	Workshop wrapup - presentation of results & open exchange

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