

| Color Legend | | | | |
|--------------|--------|---------|---|-------------------|
| Talks | Breaks | Hacking | Tutorials with hacking excersises (pick sessions that apply) | Group discussions |

User Days

| Day 0 (Sunday, July 23) | | | |
|-------------------------|---------|---------|--------------------------------|
| 6:00 PM | 7:00 PM | 1:00:00 | Dinner (optional, Dining Room) |

| Day 1 (Monday, July 24) | | | | | |
|-------------------------|----------|----------|---|----------------------|---------------------|
| | | | Axon-Dendrite | | Spectrum |
| Start Time | End Time | Duration | Topic | Speaker | Topic |
| 8:00 AM | 9:00 AM | 1:00:00 | Breakfast (Dining Room) | | |
| 9:00 AM | 9:05 AM | 0:05:00 | Welcome to Janelia | Janelia Team | |
| 9:05 AM | 9:20 AM | 0:15:00 | Welcome and overview of the hackathon | Ben Dichter | |
| 9:20 AM | 10:00 AM | 0:40:00 | Overview of NWB | Oliver Ruebel | |
| 10:00 AM | 11:00 AM | 1:00:00 | NeuroConv and NWB GUIDE | Cody Baker | |
| 11:00 AM | 12:00 PM | 1:00:00 | Hacking on projects | | Hacking on projects |
| 12:00 PM | 1:00 PM | 1:00:00 | Lunch (Dining Room) | | |
| 1:00 PM | 2:00 PM | 1:00:00 | Introduction to Extracellular Electrophysiology | Ben Dichter, Ryan Ly | Hacking on projects |
| 2:00 PM | 3:00 PM | 1:00:00 | Introduction to Optical Physiology | Oliver Ruebel | |
| 3:00 PM | 4:00 PM | 0:15:00 | Refreshments break | | |
| 4:00 PM | 5:00 PM | 1:00:00 | Introduction to Intracellular Electrophysiology | | |
| 5:00 PM | 6:00 PM | 1:00:00 | Hacking on projects | | Hacking on projects |
| 6:00 PM | 7:00 PM | 1:00:00 | Reception / Ice Breaker (Reception) | | |
| 7:00 PM | 8:30 PM | 1:30:00 | Dinner (Dining Room) | | |

| Day 2 (Tuesday, July 25) | | | | | |
|--------------------------|----------|----------|-------------------------------------|---------------|---------------------|
| | | | Axon-Dendrite | | Spectrum |
| Start Time | End Time | Duration | Topic | Speaker | Topic |
| 8:00 AM | 9:00 AM | 1:00:00 | Breakfast (Dining Room) | | |
| 9:00 AM | 9:10 AM | 0:10:00 | Welcome to Day 2 | Oliver Ruebel | |
| 9:10 AM | 10:10 AM | 1:00:00 | Processing and analysis of NWB data | Ben Dichter | |
| 10:10 AM | 10:35 AM | 0:25:00 | Advanced data I/O in PyNWB | Oliver Ruebel | |
| 10:35 AM | 11:00 AM | 0:25:00 | Advanced data I/O in MatNWB | Ben Dichter | |
| 11:00 AM | 12:00 PM | 1:00:00 | TAB (Topic TBD) | TAB | Hacking on projects |
| 12:00 PM | 1:00 PM | 1:00:00 | Lunch (Dining Room) | | |
| 1:00 PM | 1:10 PM | 0:10:00 | Group photo (meet at Reception) | Janelia Team | Hacking on projects |
| 1:10 PM | 2:10 PM | 1:00:00 | Using the DANDI Archive | Cody Baker | |
| 2:10 PM | 2:40 PM | 0:30:00 | DataJoint | Kushal Bakshi | |
| 2:40 PM | 3:00 PM | 0:20:00 | SLEAP | TBD | |
| 3:00 PM | 3:20 PM | 0:20:00 | DeepLabCut | TBD | |
| 3:20 PM | 6:30 PM | 3:10:00 | Hacking on projects | | |
| 6:30 PM | 8:00 PM | 1:30:00 | Dinner (Dining Room) | | |

| Day 3 (Wednesday, July 26) | | | | | |
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| | | | Axon-Dendrite | | Spectrum |
| Start Time | End Time | Duration | Topic | Speaker | Topic |
| 8:00 AM | 9:00 AM | 1:00:00 | Breakfast (Dining Room) | | |
| 9:00 AM | 9:10 AM | 0:10:00 | Welcome to Day 3 | Oliver Ruebel | |
| 9:10 AM | 9:55 AM | 0:45:00 | NWB Extensions | Ryan Ly | |
| 9:55 AM | 10:40 AM | 0:45:00 | NWB Widgets | Ben Dichter | Hacking on projects |
| 10:40 AM | 12:00 PM | 1:20:00 | Hacking on projects | | |
| 12:00 PM | 1:00 PM | 1:00:00 | Lunch (Dining Room) | | |
| 1:00 PM | 2:00 PM | 1:00:00 | Hacking on projects | | |
| 2:00 PM | 4:30 PM | 2:30:00 | Final project presentations | | |
| 4:30 PM | 5:00 PM | 0:30:00 | Break | | |
| 5:00 PM | 5:20 PM | 0:20:00 | NWB User and Developer Social (gather) | | |
| 5:20 PM | 6:00 PM | 0:40:00 | User Days: Closing discussions (Developers in attendance)(Social group photo if possible) | | |
| 6:00 PM | 7:30 PM | 1:30:00 | Social continues with dinner at 6pm | | |

Developer Days

| Day 4 (Thursday, July 27) | | | | | |
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| | | | Axon-Dendrite | | Spectrum |
| Start Time | End Time | Duration | Topic | Speaker | |
| See the social at the end of day 2 | | | Developers should plan to arrive in the afternoon on day 2 to be able to attend the social | | |
| 8:00 AM | 9:00 AM | 1:00:00 | Breakfast (Dining room) | | |
| 9:00 AM | 9:30 AM | 0:30:00 | Welcome to the Developer Hackathon | Oliver Ruebel | |
| 9:30 AM | 10:15 AM | 0:45:00 | Project overviews. Each project provides 5min overview of their project plan. Planning for new projects. | | |
| 10:15 AM | 10:30 AM | 0:15:00 | Break | | |
| 10:30 AM | 12:00 PM | 1:30:00 | Break out Discussion: Visualization | Cody Baker | Hacking on projects |
| 12:00 PM | 1:00 PM | 1:00:00 | Lunch (Dining Room) | | |
| 1:00 PM | 1:15 PM | 0:15:00 | Developer Group Photo | | |
| 1:15 PM | 2:15 PM | 1:00:00 | Break out Discussion: External resources | Matthew Avaylon | Hacking on projects |
| 2:15 PM | 3:15 PM | 1:00:00 | Hacking on projects | | |
| 3:15 PM | 3:35 PM | 0:20:00 | Break | | |
| 3:35 PM | 6:30 PM | 2:55:00 | Hacking on projects | | |
| 6:30 PM | 8:00 PM | 1:30:00 | Dinner (Dining Room) | | |

| Day 5 (Friday, July 28) | | | | | |
|-------------------------|----------|----------|--|---------------|---------------------|
| | | | Axon-Dendrite | | Spectrum |
| Start Time | End Time | Duration | Topic | Speaker | |
| 8:00 AM | 9:00 AM | 1:00:00 | Breakfast (Dining room) | | |
| 9:00 AM | 9:10 AM | 0:10:00 | Welcome to Day 5 | Oliver Ruebel | |
| 9:10 AM | 9:30 AM | 0:20:00 | Morning check in. Review outcomes for day 3 and plans for day 4. | | |
| 9:30 AM | 10:25 AM | 0:55:00 | Hacking on projects | | |
| 10:25 AM | 10:40 AM | 0:15:00 | Break | | |
| 10:40 AM | 12:00 PM | 1:20:00 | TAB Discussion (TBD) | TBD | Hacking on projects |
| 12:00 PM | 1:00 PM | 1:00:00 | Lunch (Dining Room) | | Hacking on projects |
| 1:00 PM | 2:00 PM | 1:00:00 | Future of NWB and Community Building | Ryan Ly | |
| 2:00 PM | 3:00 PM | 1:00:00 | Hacking on projects | | |
| 2:00 PM | 2:20 PM | 0:20:00 | Break | | |
| 2:20 PM | 6:30 PM | 4:10:00 | Hacking on projects | | |
| 6:30 PM | 8:00 PM | 1:30:00 | Dinner (Dining Room) | | |

| Day 6 (Saturday, July 29) | | | | | |
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| | | | Axon-Dendrite | | Spectrum |
| Start Time | End Time | Duration | Topic | Speaker | |
| 8:00 AM | 9:00 AM | 1:00:00 | Breakfast (Dining room) | | |
| 9:00 AM | 9:30 AM | 0:30:00 | Hacking on projects | | |
| 9:30 AM | 12:00 PM | 2:30:00 | Project presentations | Everyone | |
| 12:00 PM | 1:00 PM | 1:00:00 | Lunch (Dining Room) | | |
| 1:00 PM | 3:00 PM | 2:00:00 | Group discussion, feedback, and roadmapping | Everyone | |
| 3:00 PM | 5:00 PM | 2:00:00 | Bonus hacking | Everyone | |