

Pathway Tools Tutorial Schedule

Jan 16 - 17, 2020 (Conference Room B – Main Lobby)

Jan 16

Pathway/Genome Navigator

- 09:00-09:45AM Lecture: Introduction to Pathway Tools (PDK + PM)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/intro/tutorial-overview.pptx>
- 09:45-10:45AM Lecture: Overview of Pathway/Genome Navigator (PDK + PM)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/intro/navigator.pptx>
- 10:45-11:00AM Break
- 11:00-12:00PM Lab: Navigator (PM + AK)
- 12:00-01:00PM Lunch
- 01:00-01:30PM Lecture + Lab: Genome Browser (MK + AK)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/nav-omics/genome-browser/genome-browser.ppt>
- 01:30-02:15PM Lecture + Lab: Comparative Analysis (MK+ AK)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/nav-omics/comparative-analysis/Comparative-Tools.pptx>
- 02:15-02:45PM Lecture: SmartTables and Enrichment/Depletion Analysis (RB + SP)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/nav-omics/smarttables/smarttables.pptx>
- 02:45-03:00PM Break
- 03:00-03:30PM Lab: SmartTables and Enrichment/Depletion Analysis (RB + SP)
- 03:30-04:00PM Pathway Collage / Dashboard (SP)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/nav-omics/omics-viewers/Pathway-Collages.pptx>
<http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/nav-omics/omics-viewers/Omics-Dashboard.pptx>
- 04:00-05:15PM Lecture + Lab: Omics Viewers: Cellular, Regulatory and Genome (SP + RB)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/nav-omics/omics-viewers/overview-omics.pptx>
- 05:15-05:30 PM Wrap-up and Evaluation (PM)

Jan 17

PGDB Editing

- 09:00-09:20PM Lecture: RouteSearch (WO)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/nav-omics/route-search/RouteSearchTutorial-2020.pdf>
- 09:20-10:30AM Lecture + Lab: Introduction to Pathway/Genome Editors (RC)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/curation/Curation-of-genes-enzymes-and-Pathways/Editing-Pathway-Genome-Databases.pdf>
Handouts: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/curation/Curation-of-genes-enzymes-and-Pathways/Handouts/>
- 10:30-10:45AM Creating reactions and pathways (exercise 1)
- 10:45-11:30AM Break
- 11:30-12:30PM Creating reactions and pathways (continued)
- 12:30-02:00PM Lunch(RC)
- 02:00-02:30PM Lecture + Lab: Curating genes and enzymes (exercise 2) (RC + IK).
Lecture: PGDB “Overhaul” (RC)
Slides: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/curation/Curation-of-genes-enzymes-and-Pathways/PGDB%20Overhaul.pdf>
- 02:30-02:45PM Break
- 02:45-03:00PM Lecture: Importing GO Terms (IK + AK)
Handouts: <http://bioinformatics.ai.sri.com/ptools/tutorial/sessions/curation/Curation-of-GO-Terms/>
- 03:00-05:15PM Open Lab (Break at 3:00 PM) (PM + AK)
- 05:15-05:30PM New Features / Future Directions, Wrap-up and Evaluation (PDK + PM)

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