

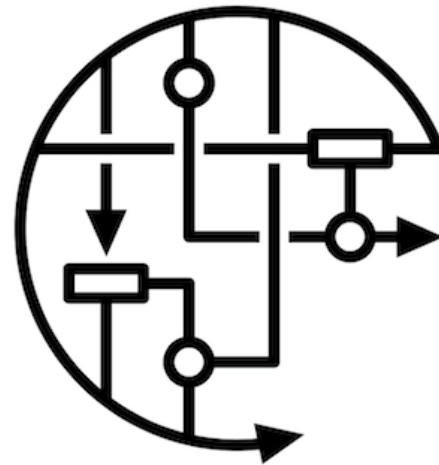
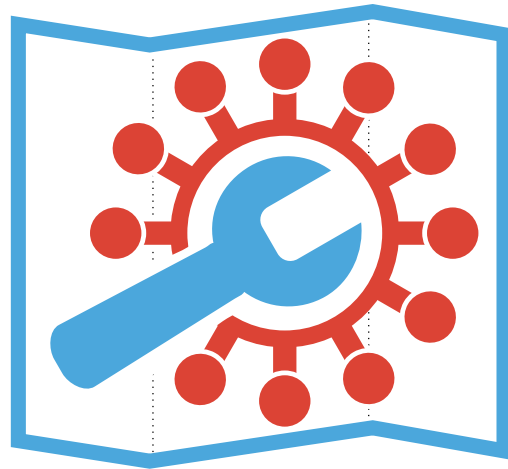
ISMB Tutorial 8 Wrap-up

Lauren J. Dupuis, PhD

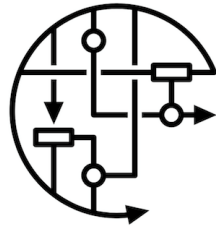
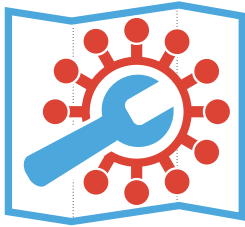
ISMB/ECCB 2021 - Tutorial 8
23 July 2021



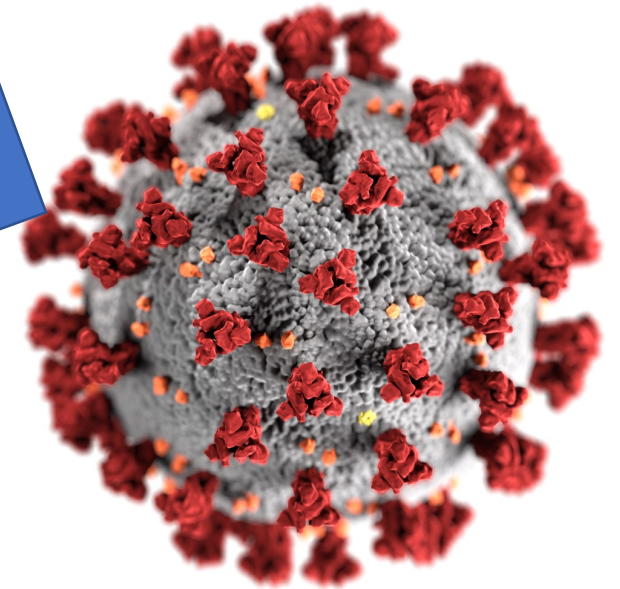
Day 1



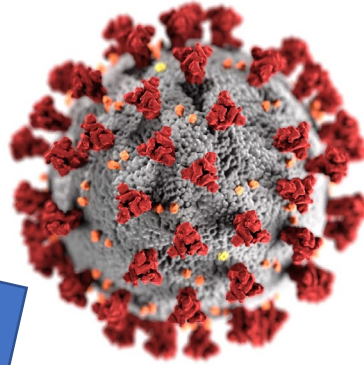
Day 2



Application



Day 2



Application

<https://covid-19.sciensano.be/nl>



Workflow 1

- Differential gene expression analysis
 - Pathway enrichment analysis
 - Pathway visualization
-

Workflow 2

- Protein-protein interaction network of differentially expressed genes
 - Extension with COVID19 pathway information
 - Data visualization
-

Workflow 3

- Pathway crosstalk analysis (topological)
 - Protein tissue expression visualization
 - Automation and enhanced graphics
-

Please give us your feedback!

<https://forms.gle/y5s1Lm5yjn5pGxHJ8>

Questions?

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