Bioinformatics @ Charles University — Biotechnology @ University of Heidelberg — Bioinformatics and Modeling @ Sorbonne University — Bioinformatics & Systems Biology @ University of Warsaw

February 4th, 2022

Meet-EU final Symposium

Argyris Papantonis (Göttingen)

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Thomas Sexton (Strasbourg)

and students from Warsaw, Prag, Paris and Heidelberg

Organization: J. Bernardes, L. Carron, C. Herrmann, E. Laine, M. Novotny and M. Machnicka

Financial support and computing resources: Meet-4EU+ alliance, Department @SU, Institut Français de Bioinformatique

FINAL MEETING DAY

February 4th, 2022

- 9h-9h10: Introduction
- 9h10-10h50: presentations of 5 projects (20 mins each)
- 10h50-11h: coffee break
- 11h-12h20: presentations of 4 projects (20 mins each)

- 13h30-14h10: Keynote 1
- 14h10-14h50: Keynote 2
- 14h50-15h: break
- 14h50-15h30: Keynote 3
- 15h30-16h10: Keynote 4
- 16h20-16h30: Concluding remarks

We expect you to ask questions to the jury members!!

DEADLINES

January 28th, 11.59pm : final commit and freeze of the GitHub repo with

- cleaned-up code
- 2 page digest (pdf)
- 10 pages report (pdf)

February 4th, 9am : final symposium

FINAL REPORT

2-page digest presenting your strategy and main results

Up to 10-page report (11 or 12 pt, single column)

GitHub repo final commit

Up to 10-page report (11 or 12 pt, single column)

0/ Title page

clearly state the composition of your team and the name of your partner team

1/ Introduction

Problem statement + state of the art

Workflow figure (mandatory!)

2/ Materials & Methods

describe the data you worked with, the strategy you chose, the original algorithm(s) you developed (if any), the parameters and their meaning, and also the metrics you used and/or developed for the evaluation of the results. For ML-based method, clearly state the composition of the training and testing sets and the origin of the labels.

3/ Results

describe your results mostly with figures. Investigate the influence of different parameters algorithms, and input data. Give an estimation of the execution time. Emphasise portability, modularity, versatility of your tool, if applicable. Present a comparison with your partner's results.

3/ Discussion

Summarize what you've learned about the biological question with this project. Discuss your achievements and the challenges you encountered with a critical mind. Indicate potential directions for further developments.

2-page digest

This should be a summary of the main report. The jury members will likely read only this document.

- Title, and if you can, find a good name for your approach!
- Names of the team members
- 2 figures :
  - the workflow figure (also used in the main report)
  - a result figure
- 2 sections, one for the method presentation, another one for the results. They can be presented as bullet points (to emphasise the key features, and main messages)

Github repo

Clean up your repo! The jury members will have access to it.

Do write a readme, and comment your code. One should be able to clone the repo and run the tool by following the instructions. You can put some example data to run the tool on.