

Task Coordination

microGalaxy Paper

Feel free

- **Comment on the tasks**
- **Add new (sub)tasks**
- **Assign yourself to tasks you are interested in (even if other are already assigned)**

Aim

Our target audience is microbiologist, so our target is presenting microGalaxy and how it can serve their needs (completeness of analyses in terms of available tools, workflows, trainings, and learning pathways). Presenting Galaxy capabilities of FAIRness, editability, uptodate, and userfriendly. microGalaxy combines between microbiological analysis and Galaxy amazing features. Which serves our target audience.

Document type

Please submit your manuscript in either Word or TeX/LaTeX format. We do not accept PDFs for final submissions.

We accept all standard fonts; however, please note Symbol font should be used for Greek characters.

Formatting

For Nature Microbiology Journal:

- ☐ [All submission guidelines](#) (Categorised on the left-hand side)
- ☐ [Formatting](#)
 - ☐ Tables
 - ☐ Figures
 - ☐
- ☐ [Manuscript draft Google docs](#)
- ☒ ~~Decide the journal~~
- ☒ ~~Decide on the article type~~
- ☒ ~~Engy Nasr : Formatting sections to fit the PLOS computational biology software article journal~~
 - ☒ ~~read the journal submission/author instructions and guidelines~~
 - ☒ ~~reconstruct the manuscript structure to fit PLOS guidelines~~

- ☐ Reconstruct manuscript structure to fit nature microbiology
- ☐ **Everyone:** Go through [all the submission guidelines](#)
- ☐ **Everyone:** Go through [the formatting guidelines](#)
- ☐ **Everyone:** Check all your details (**name, email, and ORCID**) and **affiliations** in the [microGalaxy - Technical paper - Authors](#)
- ☐ make sure your affiliation is in to the following format:

department, university, or organizational affiliation and its location, including city, state/province (if applicable), and country.

e.g.: Bioinformatics Group, Department of Computer Science, University of Freiburg, Georges-Koehler-Allee 106, D-79110 Freiburg, Germany

Writing

Abstract

Introduction

- ☐ Raphaëlle, Clea, Anshu, Renu (Paul Hiwi), Paul, Saim, Errol: Fill in the Platform table [microGalaxy - Related platforms](#)
- ☐

Results

- ☐ Bérénice Batut , Clea, Paul: Overview figure
- ☐ [microGalaxy - Training events 2019-2024](#)
 - ☐ Check if your events are there
 - ☐ Add any missing events
- ☒ ~~Raphaëlle, Valerie, [maierw@informatik.uni-freiburg.de](#) : Add use cases in the text~~
- ☒ ~~Raphaëlle, Valerie, [maierw@informatik.uni-freiburg.de](#) : Update the use case table~~
- ☒ ~~[Case studies of microbial data analysis in Galaxy - Overview](#)~~

Discussion

- ☐ Write the section

Methods

- ☐ Revise the section

References

- ☐ Check the reference formatting

Visualisations

Tools

- ☐ `zierep@informatik.uni-freiburg.de` : Get interactive tools within Codex
- ☒ ~~`zierep@informatik.uni-freiburg.de` : Add usage stats from usegalaxy servers~~
- ☒ ~~`zierep@informatik.uni-freiburg.de` : Add data of git addition~~
- ☐ Engy Nasr and `nikosp41@certh.gr` : Create figures using [Galaxy Codex](#)
[microGalaxy tools](#):
 - ☒ ~~Create a figure presenting available tools in microGalaxy with tools' usage across Galaxy servers by EDAM categorisation~~
 - ☐ Create a figure showing evolution of the number of tools available in the Galaxy ecosystem using the git addition date
 - ☐ Make sure all scripts are in the [manuscript GitHub repository](#) and they are documented
 - ☐

Databases

- ☐ Collect tools with databases

Workflows

- ☐ Bérénice Batut : Extract workflows from WorkflowHub and public workflows from UseGalaxy servers
- ☐ `engynasr94@gmail.com` , `nikosp41@certh.gr` : Create figures using [Galaxy Codex](#)
[microGalaxy workflows](#):
 - ☐
 - ☐

Training

- ☐ **Everyone**: Add Training events:  microGalaxy - Training events
- ☐ Engy Nasr and `nikosp41@certh.gr` : Create figures using [Galaxy Codex](#)
[microGalaxy tutorials](#):
 - ☒ ~~Create a plot with number of tutorials per EDAM topics~~
 - ☐ Use numbers to represent words that are not visible and long and use a legend
 - ☒ ~~Create a plot with tools supported by at least 1 tutorial~~
 - ☐ Create a plot with workflows supported by at least 1 tutorials
 - ☐ Make sure all scripts are in the [manuscript GitHub repository](#) and they are documented
- ☒ Galaxy Training Academy / GTN Smorgsboard
 - ☒ ~~GTN Smorgsboard~~
 - ☒ ~~Extract number of people who submitted histories for microGalaxy related tutorials~~
 - ☒ GTA
 - ☒ ~~Extract number of participants interested in microbial-related tracks~~

microGalaxy subdomain

Learning Pathways

- ☐ Add learning pathway based on <https://training.galaxyproject.org/training-material/events/2024-06-10-mtb-ngs.html#program>

Workflows on IWC

- ☐ Add <https://usegalaxy.eu/u/paulzierep/w/imported-mgnify-amplicon-qc-1> to IWC
- ☐ Bérénice Batut : Add <https://usegalaxy.eu/u/mgnsrntzn/w/metagextended> to IWC
- ☐ Bérénice Batut : Add <https://usegalaxy.eu/u/mgnsrntzn/w/metat> to IWC
- ☐ Bérénice Batut : Add <https://usegalaxy.eu/u/mgnsrntzn/w/metap> to IWC
- ☐ Bérénice Batut Add ASaiM to IWC
- ☐ Bérénice Batut Add ASaiM-MT to IWC
- ☐ Bérénice Batut : Add Geraldine's workflow to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/cloud-aerosole-mt-mg-sub-workflow-pre-processing> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/contamination-filtering-mg-mt-cloud-aerosol-sub-workflow> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/cloud-aerosole-mt-mg-taxonomic-profiling> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/cloud-aerosole-mt-mg-sub-workflow-2> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/-cloud-aerosole-mt-mg-functional-profiling> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/pallori-amplicon-16s-pre-processing-and-taxonomy-classification> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/-pallori-asiam-preprocessing-mt> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/-pallori-asiam-community-profile-mt> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/copy-of-pallori-asiam-functional-information-mt> to IWC
- ☐ Add <https://usegalaxy.eu/u/engy.nasr/w/pallori-blood-rna> to IWC
- ☐ Add <https://usegalaxy.eu/u/johannes.effenberger/w/mgnify-deepmicro> to IWC
- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/metaproteomicsgtn> to IWC
- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/metaquantomedatacreationworkflow> to IWC
- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/metaquantome-function-workflow> to IWC
- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/metaquantome-taxonomy-workflow-1> to IWC
- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/wf1databasegenerationworkflow> to IWC
- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/wf2discovery-workflow> to IWC
- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/wf3verificationworkflow> to IWC

- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/wf4quantitationworkflow> to IWC
- ☐ Add <https://usegalaxy.eu/u/galaxyp/w/wf5datainterpretationworklow> to IWC
- ☐ Add <https://usegalaxy.eu/u/johannes.effenberger/w/normalization> to IWC
- ☐ Add [Métris & Métris 2023](#) to IWC

Lab/subdomains

- ☒ ~~Bérénice Batut~~ : Sketch the microGalaxy subdomain interface:
<https://excalidraw.com/#room=14e15dbbc2aea9d3696e,TCWhNxBPAlgcUPS4WG-BfA>
- ☐ Bérénice Batut , engynasr94@gmail.com : Implement the microGalaxy subdomain interface given the [sketch](#)
- ☐ Bérénice Batut , zierep@informatik.uni-freiburg.de : Create a microGalaxy subdomain package include interface and tools
- ☐ Deploy the microGalaxy subdomain to usegalaxy
 - ☐ usegalaxy.eu
 - ☐ Bérénice Batut : usegalaxy.fr
 - ☐ usegaalaxy.org.au
- ☐

Codex

- ☐ Bérénice Batut , zierep@informatik.uni-freiburg.de : Improve the web interface

Cover Letter

- ☐ Write the cover letter

Submission