

# Title: **OpenBio-C: An Open and Integrated Collaborative Bioinformatics Platform**

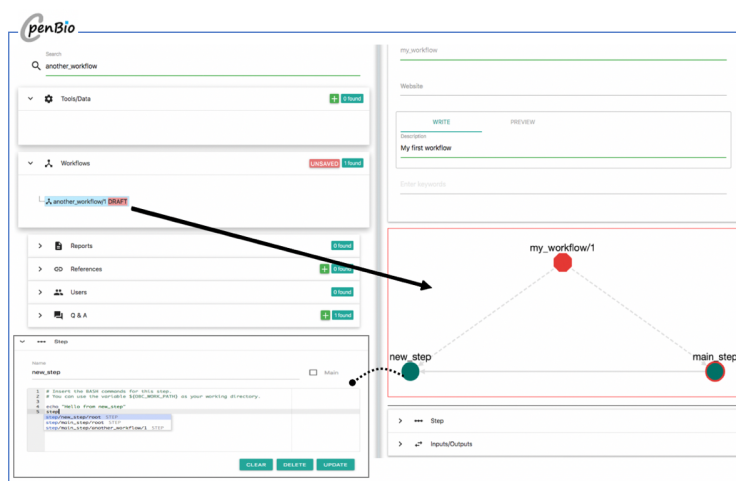
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## Relevant Platform: Tools

Abstract. The highly competitive environment of post-genomics research is pushing towards the production of highly qualified results and their utilization in clinical practice. Due to this pressure, an important factor of scientific progress has been underestimated namely, the *reproducibility* of the results. To this end, it is critical to design and implement computational platforms that enable **seamless and unhindered access to distributed bio-data, software and computational infrastructures**.

Aiming to address the above matters, we developed and launched the **OpenBio-C (OBC)** platform, a novel online environment where researchers can **create, edit, share, re-combine, export, execute, rate and collaborate on Tools, Data and Workflows**; formed, formatted and organized as Research Objects (ROs). OBC assumes minimum IT knowledge, does not impose any Domain Specific Language, and allows users to **use any programming / scripting language**. In OBC, users construct Workflows by simply importing the (BASH) commands that execute a step, supported by a user-friendly GUI. OBC also offers an argumentative discourse and collaborative knowledge building component, which may capture researchers' tacit knowledge on a particular RO. OBC aims to become a hub for researchers that want to maximize the visibility and reproducibility of their research.



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## References

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Availability: [www.openbio.eu/platform](http://www.openbio.eu/platform)

Documentation: [github.com/kantale/OpenBioC/tree/master/Documentation](https://github.com/kantale/OpenBioC/tree/master/Documentation)

Source code: [github.com/kantale/OpenBioC](https://github.com/kantale/OpenBioC) BSD-3 Clause License