

Authored by: ManyFishes (adapted from the [ManyManys Collaboration Agreement](#), which in turn was adapted from the [ManyBabies Collaboration Agreement template](#) and [Psychological Science Accelerator Collaboration Agreement template](#)), 2023-03.  
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## ManyFishes Collaboration Agreement

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This agreement describes how contributions to ManyFishes projects will be structured and credited and aims to clarify contributor roles and expectations in the interest of transparency. As projects evolve, changes may be made to this collaboration agreement. For each new ManyFishes project, two collaborators will be elected Project Leads by consensus among members of the initiative. Project Leads should be different for each new project and will be responsible for coordinating the project and first draft of the project's manuscript(s). They will also notify collaborators of any significant changes to this collaboration agreement via the project listserv and Slack channel.

### Conduct

**Each contributor is personally accountable for the accuracy and integrity of their work on this project.** This includes ensuring that (1) you are operating following your local research rules and regulations and global norms of research ethics, (2) you abide by the ManyFishes [Code of Conduct](#) and this Collaboration Agreement at all times during your participation, (3) your specific research products are honest and accurate (e.g., data, translations, code), and (4) your description of your role on the project is accurate. **Contributors should indicate their agreement to the [Code of Conduct](#) and Collaboration Agreement by completing the [registration form](#)** at the onset of their project participation (see [Authorship](#) section for more details).

Project Leads are responsible for ensuring that all project contributors have read and agreed to comply with the [Code of Conduct](#) and this Collaboration Agreement before initiating involvement in the project.

## Anticipated products

We anticipate that this project will result in the following products:

1. The publication of open-access papers in peer-reviewed journals, which will also be preprinted at an open repository such as [BioRxiv](#), [EcoEvoRxiv](#), or [PsyArXiv](#) (depending on the research area of the project). The Project Leads or any other member of the team may propose suitable journals for publication, and the entire team will collaborate to finalize the decision.
2. The open sharing of the study stimuli and experimental protocol, which will be made available through an open repository (e.g., [Open Science Framework](#)) for reuse after In Principle Acceptance.
3. The sharing of raw data from labs/aquariums (when ethics permit) through an open repository.
4. The sharing of analysis code scripts via an open repository.

The anticipated products might change/evolve throughout the carrying out of each project.

## Joining the Project: Roles and Responsibilities

All team members are expected to regularly attend meetings and actively contribute to the project's advancement (e.g., through oral and/or written input during meetings, feedback via email or Slack, and comments/edits on shared documents).

There are various roles that individuals can choose from to participate in the project. Below is information about these specific roles and their responsibilities. The ManyFishes project will use the [CRedit categories](#) to determine authorship for manuscripts. We welcome individuals making contributions in more than one role. Data collection is not a required contribution for authorship (see [Authorship](#) section for more information).

## Authorship

### How do I become an author on a paper that results from this project?

Project contributions will be documented via an adaptation of the [CRedit taxonomy](#) using an authorship spreadsheet generated from the project's [CRedit Self-Report Form](#). All authors must make a substantive contribution to **at least two of the CRedit categories**, where one of those must be related to the writing of the manuscript (i.e., original draft, review and editing). This does not apply to collaborators collecting data, who may qualify for authorship by solely contributing to the *investigation* CRedit category.

If you contribute to the project in the manner outlined above, you are eligible for authorship. Contributions will be compiled in a CRedit table, and this information will be appended to (or referenced in) all relevant scientific products (e.g., manuscripts) in accordance with journal guidelines. All authors will be allowed to provide feedback on manuscripts and must review and

approve the final manuscript before submission. Failure to do so before established deadlines may result in the contributor losing their authorship.

In general, authors will not be added to a manuscript (e.g., Stage 1 Registered Report) between the first submission to a journal and subsequent revisions. Authorship additions after the initial submission of a Stage 1 Registered Report manuscript will take place at the initial submission of the Stage 2 manuscript. If a change to authorship out of these points (e.g., during the revision period of Stage 2) is deemed appropriate by Project Leads, all authors will be notified of the proposed change via project listserv and given at least one week to object to the change. Depending on the policies of the journal, authorship changes will be (1) approved on behalf of the consortium by the corresponding author (preferred) or, (2) approved by each author individually.

[Note: For all authors, the authorship credits will be based on **their completed** contributions to each manuscript (i.e., the CRediT self-report form will be filled out by each author as part of preparing the final manuscript).

**Two routes to authorship on ManyFishes projects:**

	<b>Route 1</b>	<b>Route 2</b>
<b>Contributions sufficient for authorship</b> <i>(1 contribution required from each tier for Route 2)</i>	Tier 1: <ul style="list-style-type: none"> <li>● Investigation</li> </ul>	Tier 1: <ul style="list-style-type: none"> <li>● Conceptualization</li> <li>● Methodology</li> <li>● Data Curation</li> <li>● Formal analysis</li> <li>● Funding acquisition</li> <li>● Project Administration</li> <li>● Resources</li> <li>● Software</li> <li>● Supervision</li> </ul>
	<i>Optional Tier 2:</i> <ul style="list-style-type: none"> <li>● Writing - Original draft,</li> <li>● Writing - Review &amp; editing</li> <li>● Conceptualization</li> <li>● Methodology</li> <li>● Data Curation</li> <li>● Funding acquisition</li> <li>● Software</li> <li>● Resources</li> <li>● Supervision</li> <li>● Formal analysis</li> <li>● Visualization</li> <li>● Validation</li> </ul>	Tier 2: <ul style="list-style-type: none"> <li>● Writing - Original draft</li> <li>● Writing - Review &amp; editing</li> <li>● Visualization</li> <li>● Validation</li> </ul>

## **How do we handle dissenting opinions about scientific products?**

In large-scale collaborations, disagreements are inevitable. Whenever possible, decisions will be made using a consensus-based decision making process. Project Leads are expected to carefully consider dissenting opinions from collaborators and, to whatever extent is reasonable, discuss the issue with the dissenter and with all active team members/contributors if appropriate. In some cases, decision-making may default to democratic voting. However, this will not always be deemed the best approach. Where consensus cannot be reached, final decisions about scientific products will ultimately be left to the Project Leads.

## **How will authorship order on manuscripts be determined?**

Authorship order will be organized into the following sections, with the order determined as listed below:

*Section 1 (First and Corresponding Author):* Project Lead #1 (as determined by consensus of Project Leads and no objection from members within 21 days of election).

*Section 2 (Other Significant Contributors):* Leaders who have made significant/leading contributions (as determined by Project Leads), ordered alphabetically.

*Section 3 (Other Contributors):* Remaining project contributors not specified in other sections, ordered alphabetically.

*Section 4 (Senior Authorship):* Project Lead #2 designated as senior author (as determined by consensus of Project Leads and no objection from members within 21 days of election), ordered alphabetically. “Senior” authors would be individuals who made significant contributions to the project deserving of further recognition.

[Note: A note describing this ordering procedure will be added to the author note on the manuscript]

## **How do we handle authorship on secondary papers for ManyFishes projects?**

It is possible that this project results in products other than the ones described above (see Anticipated Products section). Papers resulting from such “spin-off” projects can be submitted for publication at any time, provided that Project Leads of the project that gave rise to the spin-off are notified.

Examples of spin-off projects are publications using data focusing on one (or some) of the species involved in the main project or on a research question different from the main project (e.g., use of a different behavioral measure), and student-led publications (e.g., theses). By default, authors on the main papers will not be counted as authors on secondary papers unless they also become involved in the work of these secondary projects. As a courtesy, however, the published work should include the following statement: “*The procedure and/or data used in this study originate from [study name; e.g., ManyFishes 1], a large-scale collaborative project of the ManyFishes consortium to assess [study aim; e.g., inhibitory control in the fish taxon].*”

## **How do we handle the use of project materials/data for other derived projects and presentations?**

All other uses of project materials and/or data (e.g., conference presentations) are subject to ManyFishes' Code of Conduct. People willing to give a presentation on a ManyFishes project should seek approval from Project Leads and credit the consortium appropriately, using the following statement: "*The materials and/or data used for this presentation originate from [study name; e.g., ManyFishes 1], a large-scale collaborative project of the ManyFishes consortium to assess [study aim; e.g., inhibitory control in the fish taxon].*"

## **Press and public reporting of ManyFishes results**

Initial press releases will be coordinated by the Project Leads once the paper is accepted or at any time point the leads deem suitable for wider dissemination. All press releases must (a) prominently highlight the role of the ManyFishes collaborative network, (b) mention the Project Leads, and (c) link to ManyFishes contacts. All collaborators are strongly encouraged to speak to the press, but are expected to (1) emphasize the highly-collaborative nature of the research project and (2) encourage the interviewer to reach out to other team members.

## **Changes to this Collaboration Agreement**

As the project evolves, changes may be made to this collaboration agreement. All collaborators will be notified of significant changes via project listserv, and a list of recent changes will be listed at the top of the document. Contributors will have two weeks from the time of notice to object to changes, and all reasonable efforts will be made by Project Leads to address any concerns/objections.

## **Questions and concerns**

We encourage you to ask questions and raise concerns about project-related matters as soon as possible. You can direct all questions, issues, or concerns, to the leadership team's email address at [themanymfishes@gmail.com](mailto:themanymfishes@gmail.com).