ZEBRAFISH PROJECTS HUB

Experiments requiring Zebrafish husbandry, infection and/or developmental phenotypic analysis

**Project code (internal to the Zorgl’Hub) :**

This form may be filled in English or in French.

## Project title :

## Project leader :

*Provide coordinator’s name if several labs are involved*

Family name: First name:

Laboratory:

Lab/unit director:

Department:

Asdress (building/floor)

Telephone: e-mail:

Form sending date :

## things to know :

* Any submitted project will be examined by Zorgl’hub’s selection committee, which may approve or refuse it, within a one-month period. A preliminary discussion with the ZEN and/or RIWO teams is recommended.
* The requesting group commits to start the project within 6 months after project acceptance. Past that deadline, without an acceptable rechnical justification, the request will have to be submitted anew.
* *Projects are carried out as an internal service, and fees cover only consumables and equipment use. You are required to* ***acknowledge the Hub members*** *directly involved in the project in any* ***publication*** *reporting results from the work. If a* ***more advanced implication*** *of members of teams ZEN and/or RIDO is required, this may result in a formal* ***collaboration with co-authorship****, to be discussed on a case-by-case basis.*

## Please send this completed document to [zorglhub@pasteur.fr](mailto:zorglhub@pasteur.fr)

### Regulations

#### Ethics

Projects must respect all animal experimentation rules. However, the use of embryos and larvae up to 5 days post fertilization (ie, before “autonomous feeding”) is not considered to be animal experimentation. Getting approval from the CETEA is the responsibility of the requesting team, which will be advised by the Zorgl’hub team et the Zebrafish welfare committee. No project requiring au authorization will start before CETEA’s approval.

#### Safety

Projects will have to comply with Institut Pasteur safety rules. Pathogens may be used, with a maximal P2+ confinment, and only to infect larvae. Any project involving a pathogen or the use of toxic compounds will have to be sumitted to the CHSCT by the requesting team, and experiments will start only after approval.

#### GMO

The ZEN et RIWO teams hold GMO authorization for transgenic zebrafish. If a GMO microbe is to be used, the requesting team will have to justify that they have the proper authorization, et specify the required confinement.

## Billing

After **discussion** and **acceptation** of your project**,** you will be provided with a **quote**.

* If the fee is to paid on Institut Pasteur-managed credits, this quote will have to be **signed by your head of entity and by your gestionnaire**.
* If you’re planning to use external credits (INRA, INSERM, …), the quote will have to **be signed by the project leader and supplemented with a purchase order from the paying organism**.
* The signed quote and (if needed) purchase order must be **sent to Laure Bally-Cuif**, Zebrafish Neurogenetics Unit, Monod building**.**
* For accounting reasons, intermediate bills may be addressed during the project.

## General Description of the Project

### Context *(1 page maximum)*

#### Scientific context

#### Project objectives

#### Publications of the team or collaborators related to the project :

### Technical description (to discuss with Zorgl’hub members)

#### What experiments do you want to do ?

|  |  |
| --- | --- |
| Produce embryos from an existing zebrafish line |  |
| Host fish |  |
| Knockdown / overexpression of a specific gene |  |
| Importing and raising a new zebrafish line |  |
| Pharmacological treatments |  |
| In vivo microscopy |  |
| Histology, immunohistochemistry, in situ hybridization |  |
| Infection with a pathogen |  |
| Other (specifiy below) |  |

Production of new zebrafish lines (transgeniics, mutants) will be outsourced to an external platform, such as AMAGEN on the Paris-Saclay campus. Behavioural tests will be outsourced to the AMATRACE platform in Saclay.

Genotyping/phenotyping of fish will have to be performed by users (trainings for these techniques is offered)

Titration of viable microbes (CFU/PFU measures) will be performed by the users, on the samples provided by the zorgl’hub.

#### What are your training needs?

|  |  |  |
| --- | --- | --- |
| *course* | *Duration (days)* | *Yes (how many people ?) / No* |
| Husbandry / crosses / egg collection | 0,5 |  |
| Phenotyping & staging | 0,5 |  |
| Genotyping, fin-clip | 0,5 |  |
| Microinjection in the egg | 3 x 0,5 |  |
| Microinjection IV (required : injection in the egg) | 3 x 0,5 |  |
| In toto immunohistochemistry | 3 |  |
| In situ hybridization | 3 |  |
| Live imaging | 2 |  |
| Other ? specify |  |  |

#### Did you submit an animal experimentation project?

## Human resources of requesting team to achieve the project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Family name** | **First name** | **Status** | **Implication in the projet** | **Level of animal experimentation training** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Can your project appear on the Zorgl’hub website?

To feed our website, we have to make your project visible. By default, we’ll copy your project description (paragraph 7.1.1 « scientific context »). If, for confidentiality reasons, you do not agree, please provide below the text that will appear on the website.