

Plan Overview

A Data Management Plan created using DMPTool

Title: Regulação da Maturação Gonadal em Peixes: Papel dos long non-coding RNAs e microRNAs e suas aplicações na piscicultura

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Regulação da Maturação Gonadal em Peixes: Papel dos long non-coding RNAs e microRNAs e suas aplicações na piscicultura

Data Collection

What data will you collect or create?

Gene expression, testis transcriptome and miRNA microRNome, tissue culture, lncRNA-miRNA characterization and modulation, histology and plasma markers of gonadal maturation (c-miRNA).

How will the data be collected or created?

For each experiment, data will be collected and stored in spreadsheets and in the form of graphs. They will later be analyzed using the software ProST!, R heatmaply package and Graphpad.

Documentation and Metadata

What documentation and metadata will accompany the data?

Protocols and detailed notes on each experiment will be recorded in the laboratory notebooks.

Ethics and Legal Compliance

How will you manage any ethical issues?

The Project will be submitted to the Ethics Committee on the Use of Animals (CEUA) - UNESP.

How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?

The data will be kept confidential until publication in scientific journals.

Storage and Backup

How will the data be stored and backed up during the research?

The data will be stored by principal investigators in the cloud and external hard drives, with daily backups, and with restricted access to the researchers team involved in the project. In addition, data and metadata will be published through a platform made available by UNESP, available at:

<https://repositorio.unesp.br/>.

How will you manage access and security?

UNESP will be responsible for your safety for a specified period. UNESP will provide the platform: <https://repositorio.unesp.br/>.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

Adaptations of protocols, transcriptome and testis microRNome data, protocols developed must be shared and preserved

What is the long-term preservation plan for the dataset?

Will be preserved in the cloud and on external hard drives

Data Sharing

How will you share the data?

Data will be shared with the scientific community through publication in high impact international journals.

Are any restrictions on data sharing required?

There are no legal or ethical restrictions. However, the data will be kept confidential until publication in scientific journals.

Responsibilities and Resources

Who will be responsible for data management?

Principal investigator, researcher team, UNESP.

What resources will you require to deliver your plan?

The principal investigator will keep all data updates, as well as backups, and may request technical

assistance from UNESCO's IT sector.
