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| **Identity card of the specialty**Academic Master Molecular Biology of Microorganisms |

**Level:**Academic Masters

**Domain:**natural and life sciences

**Sector:**Biological sciences

**Speciality:**Molecular biology of microorganisms

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| **1- Location of the training:** |

**Faculty (or Institute)**: Faculty of Natural and Life Sciences (FSNV)

**Department**: Biology

References of the authorization decree of the diploma to be prepared

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| **2- External partners:** |

**Companies and other socio-economic partners**: Hospital 240 (Béchar), CAQE (Bechar), dairy industries, pharmaceutical industries

**International partners**:

**Other partner establishments**:

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| **3- General organization of the training: position of the project** |

Field: Natural and life sciences

Major: Biological Sciences

Master's specialty: Molecular biology of microorganisms

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| **4- Context of the training:** |

The Master Molecular Biology of Microorganisms is a high-level theoretical and practical training in biochemistry, molecular and cellular biology offering an integrated vision of the molecular, cellular and functional properties of biological systems necessary for understanding physiological and pathological processes.

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| **5- Objectives of the training:** |

* This training aims to train students in microbiology both in the fundamental (physiology, genetics), medical (host-pathogen interaction, physiopathology, therapeutic approaches) and applied (industrial use of microorganisms) fields.
* Currently, the training focuses on molecular microbiology, a growing discipline in general microbiology. It will give our students high-level skills in microbial biotechnology. This training is based on lessons in genetics, molecular biology, genomics, biodiversity, evolution and multifactorial genetics.

It will provide multidisciplinary training in research and through research

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| **6- Profiles and skills targeted:** |

Master and use the experimental protocols of the field

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| **7- Local, regional and national employability potential:** |

1. Molecular biology researcher
2. Microbiology analyst
3. Biotechnology engineer
4. Quality and safety manager
5. Teacher-researcher
6. Teacher (CEM-high school)

Students can continue their higher education with a doctorate or complete their training with another master's degree.