

# MASTER DEGREE



## THE RESEARCH

### *Food safety. Detection of antibiotics in milk.*

The use of antibiotics in animal farms is a widespread practice nowadays, with direct impact on food safety. Due to the large number of samples to be analyzed, there is a need for rapid, sensitive and high-performance analytical techniques for the detection of drugs in food samples. We will work to develop an immunochemical assay for the detection of tetracycline residues in milk, to ensure samples are within the maximum mandatory residue limits established by the European Community.

### *Tasks to develop in the project.*

- Production of antibodies
- Evaluation of antibodies performance
- Development of immunochemical techniques for antibiotics detection



## THE CANDIDATE

### *We are looking for:*

- Motivated person interested in doing a Masters work
- Degree in biology or analytical chemistry
- High level of English is desired
- Availability from February to July 2020



## MEET US

### *Nanobiotechnology for Diagnostics (Nb4D) Group*

The Nanobiotechnology for Diagnostics Group belongs to the Institute of Advanced Chemistry of Catalunya (IQAC-CSIC). Our research focuses on the development of novel molecular diagnostic tools to provide alternatives to the actual limitations existing in several fields, especially in food safety, clinical field and environmental safety.

Visit our website to learn more about our research and activities: <http://nb4d.iqac.csic.es/nb4d>



## APPLY NOW:

Interested candidates please send CV, cover letter and academic record to [roger.galve@iqac.csic.es](mailto:roger.galve@iqac.csic.es) before the **30th September 2019**.

Please indicate "**Master Application**" in the subject of your e-mail.

