

## **Offer Description**

Doctoral position in Veterinary Medicine and Food Science at Estonian University of Life Sciences (Tartu, Estonia)

## **Project title**

Volatolomic studies for viable *in vitro* produced embryo selection in bovine

## **Duties**

The proposed research project is related with the analysis of the volatile organic compounds (VOCs) emitted by embryos during *in vitro* culture, for the selection of the viable embryos in the assisted reproduction field.

The work will consist of *in vitro* fertilisation of bovine embryos, volatile sampling during embryo development, and VOCs analysis employing gas chromatography mass spectrometry and chemical gas sensors.

## **Eligibility**

Master degree in Biology, Genetic Engineering, Veterinary Medicine, Analytical Chemistry, Biochemistry, Electronic Engineering or a related field.

## **Assessment criteria**

Experience in *in vitro* fertilisation, gas chromatography mass spectrometry (GC-MS) and/or chemical gas sensors.

## **Admission information**

Admission information for the perspective PhD students can be found on the following link:

<https://www.emu.ee/en/admissions/doctoral-studies/admission-requirements/>

## **Salary**

The selected candidate will have an employment contract. Gross salary: 1718 €/month.

## **Contact information**

Interested candidates please contact position supervisor, Dr. Radu Ionescu:

[SeptimiuRadu.Ionescu@emu.ee](mailto:SeptimiuRadu.Ionescu@emu.ee)

## **Application**

Interested candidates should submit CV and a letter of interest to the position supervisor.

## **Deadline**

The position will be open until a suitable candidate will be selected

## **Starting date**

As soon as possible