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## Advanced Veterinarian Studies Reproduction Biology - Artificial Insemination for Livestock



**Course start on 5th of every month from July till November 2014**

**Application & more information:  
[www.eu-xperience.com](http://www.eu-xperience.com); [info@eu-xperience.com](mailto:info@eu-xperience.com)**

**Did you know?** Biotechnical Station conducted by **PharmaGene-Farm Ltd** commenced its operation in 2000. Artificial insemination and embryo transfer in sheep has been characterizing the research work for 30 years. Conservation of diluted, 2-4°C cooled ram semen is solved for 3-4- days without reduction of fertility.

The scientists of the Biotechnical Station have been attending embryo-transfer in sheep since 1983. They were the first in the world, who made a stock exemption from bacterial disease by embryo-transfer.

The first inter specific (sheep-goat) chymera created by artificially under laboratory conditions was born in the Biotechnical Station (it was the third inter specific chimera in the world).

**The first cloned lamb of Hungary was born in the Biotechnical Station in 1993 (three years before Dolly!).**

Biotechnical Station works as an accredited embryology and artificial insemination laboratory.

The previous results of us verify that the research team put the tasks of the project into action in a short time.

In the last years, experiments were conducted to produce deep frozen goat semen. Biological trials were very successful; pre-experiments for use of deep-frozen insemination technology would be developed in a short time.

Pre-experiments conducted by our PhD students for producing sex-oriented ram and goat semen.



### Special course offered for:

Livestock veterinarians, students, teachers;  
Biologists in the field of animal  
reproduction;  
Stock breeders;

During a 1 month special training, you can get acquainted with the artificial insemination and the special process through which enhancing milk yield and eliminating illnesses can be reached at small ruminants. Professional English teaching also included, focusing on veterinarian and biological language environments.

### Some special themes:

- Advantages of artificial insemination, its organization and practice
- Methods of the pregnant checking
- Checking of the internal semen transport
- Methods to improve the fertilization percentage
- In vitro presentation of the artificial insemination
- Demonstration and practicing of the cervicouterine insemination method
- Various technologies useful in the practice of semen conservation
- Optional visits to goat & sheep biofarms in Austria, Croatia, Slovakia, or Slovenia;



Prof. Dr. Elemér Gergácz  
DVM, PhD

The course will be held in Hungary, supervised by a world-wide known specialist in reproduction biology, and former Hungarian Minister of Agriculture, Prof. Dr. Elemér Gergácz PhD, the course leader, and the Biotechnical Research Station of University of West Hungary, who will sign the certificate as well, besides several agricultural engineers and doctor of veterinary medicine (DVM) researchers.

Field trainings with operation practice and insemination will be organized at PharmaGene-Farm Ltd, with other European country visits to goat and sheep farms in Austria, Croatia, Slovakia, or Slovenia.