Reproduction & Biotechnology 3. – 2022 Fall

Program of Lectures for the English Course 9th Semester:

MONDAYS – 2x45'

from 11:15 in the HETZEL lecture-hall

1.	**12, Sept.**	Structure of the male reproductive organs. Neuroendocrine regulation of the male reproduction. Endocrine and exocrine function of the testicles. Thermoregulation of the testis. (*Cseh S.*)
2.	**19, Sept.**	Physiology and pathology of epididymis and accessory sexual glands. The contagious epidymiditis and orchitis of rams. (*Cseh, S.*)
3.	**26, Sept.**	Artificial insemination. I. Semen collection, evaluation, dilution, and cryopreservation. (*Cseh S.*)
4.	**3, Oct.**	Artificial insemination II. (cattle, pig, small ruminants) (*Cseh, S.*)
5.	**10, Oct.**	Artificial insemination III. (rabbit, horse) (*Cseh, S.*)
6.	**15, Oct.** **SATURDAY** instead of 31 Oct.	Artificial insemination IV. (dog and cat) (*Cseh, S.*)
7.	**17, Oct.**	Infertility in males. The contagious epididymiditis and orchitis of rams. (*Cseh, S.*)
8.	**24, Oct.**	Preparation and maintenance of stem-cell lines and its therapeutic application. *(Gócza, Elen)*
31, Oct. Holiday		
9.	**7, Nov.**	Embryo transfer I. History and practical application of biotechnology in animal reproduction. (Importance, principles. Multiple ovulation) *(Solti, L.)*
10.	**14, Nov.**	Basic principle of Embryo freezing. Embryo freezing techniques. (*Solti, L.)*
11.	**21, Nov.**	Embryo transfer II. (Embryo recovery in different species. The morphological evaluation of recovered embryo) (*Solti, L.*)
12.	**28, Nov.**	Embryo transfer III. (Surgical and non-surgical methods for transfer of embryos in cattle and other species). (*Solti, L.*)
13.	**5, Dec.**	Embryo transfer IV. (micromanipulation of embryos) (*Solti L.*)
14.	**12, Dec.**	Principles of further advanced techniques in reproductive biotechnology. (sexdetermination; production of sex-sorted semen; cloning; gene manipulation techniques; production of transgenic animals) (*Solti L.*)