PIWET, MFB

(PL)

Research topics:	Studies on avian influenza and swine influenza transmission, experimental inoculation of calves with atypical pestiviruses to obtain diagnostic samples for test kit evaluation, studies on rabies in mice: - Project no. 258084 (FP7): "Pathogenesis and transmission of influenza in pigs" (FLUPIG); - Project INN-FLU (6 PR UE) on innate immunity in poultry infected with H5N1 HPAIV – work in BSL3 animal facilities and laboratories (2009-2010); - Commercial studies for a pharmaceutical company and testing new generation vaccines for poultry (2013 – 2015); - Workshops on diagnostic techniques relevant to avian influenza and Newcastle Disease for Ukrainian scientists from Charkov and Kiev (2008 - 2015).
Activities and services currently offered by the infrastructure/installation:	PIWet has a biocontainment unit classified as a BSL3 infrastructure (3400 m2), which includes laboratory space (520 m2) and an animal facility (1069 m2) with large animal accommodation of 146 m2, small animal accommodation of 123m2, animal holding space, post mortem rooms and an incinerator. In the animal facility area there is one laboratory of 14m2 with laminar flow for sample preparation. In the laboratory facility we have 24 rooms which make up 12 laboratories. One laboratory is dedicated to work with prions (diagnostics and typing). All activities are carried out according to animal welfare regulations of the Local Ethics Committee. The animal units are constructed as multi-purpose facilities and can house various species from rodents to cattle.
Description of the access to be provided under VetBioNet TNA call:	No specific limits, access depends on details provided in the project. Scheduling of access to BSL3 facilities is planned on an annual basis. Typical access includes: examination of animals before the experiment, preparation of inoculum,

	inoculation of animals, sample collection, ongoing animal monitoring, slaughtering, collection of dedicated tissues and body fluids, necropsy, on-spot incineration of carcasses; daily animal care includes water and feed supply. The unit of access is defined as one month of access to one room. One typical access consists of 1 month of access. 1 Unit cost covers permanent stuff taking care of animals, implementation of one experiment, preparatory work including animal testing and purchase, 7 days of adaptation period in the animal facility, inoculum preparation, training on experimental work in a BSL3 environment (access, monitoring animals, responsibilities, biosecurity rules). Expected output for users: access to experimentally infected animals, clinical examination, sample collection, possible initial sample preparation in laboratory conditions; possibility to perform further analyses in BSL3 laboratories. Two weeks in August each year the infrastructure is closed for regular maintenance works.
Animal species/pathogens that can be worked on in this infrastructure/installation:	Animals: Rabbits, guinea pigs, rodents, poultry, swine, ruminants Pathogens: all known veterinary pathogens classified as BSL2/3 agents, excluding pathogens not present in Poland such as LSDV, FMDV, CSFV or NDV
Travel and subsistence costs:	
Infrastructure/installation ethical rules:	All activities must be carried out according to animal welfare regulations of the Local Ethics Committee.