

## Opis delovnega mesta mladega raziskovalca/ke (*Description of the Young Researcher's position*)

1. Članica UL (*UL member*):

Veterinarska fakulteta

2. Ime, priimek in elektronski naslov mentorja/ice (*Mentor's name, surname and email*):

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3. Raziskovalno področje (*Research field*):

4.04.02 Veterina/ Veterinarian medicine

4. Opis delovnega mesta mladega raziskovalca/ke (*Description of the Young Researcher's position*):

Vključuje morebitne dodatne pogoje, ki jih mora izpolnjevati kandidat/ka za mladega raziskovalca/ko, ki niso navedeni v razpisu za mlade raziskovalce.

*slo:*

Mladi raziskovalec se bo usposabljal na Kliniki za reprodukcijo in velike živali, na Oddelku za zdravstveno varstvo prašičev in v Nacionalnem centru za dobrobit. Preučeval bo stopnje bolečine sesnih pujskov ob različnih načinih kastracije do prvega tedna starosti in spremljal proizvodne parametre vse do klanja. Pujske bomo razdelili v štiri skupine, v prvi skupini bomo pujske kastrirali brez uporabe anestezije in analgezije, v drugi skupini bomo ob kastraciji uporabili analgetike, v tretji skupini bomo pujske kastrirali z uporabo inhalacijske anestezije, v četrti skupini pa bomo poleg inhalacijske anestezije uporabili še analgezijo. V vseh omenjenih skupinah bomo ocenjevali stopnjo izražene bolečine na podlagi obrazne mimike takoj po kastraciji in še vse do enega tedna starosti. Poleg tega pa bomo vzorčili še kri in procesno tekočino in določali koncentracijo kortizola in proteinov akutne faze. Pujske bomo spremljali vse do klanja in jih mesečno tehtali in spremljali priraste, njihovo zdravstveno stanje in mesečno vzorčili še kri in dlako za dokaz kortizola.

Zaželeno so izkušnje z delom s prašiči in z delom v laboratoriju ter znanje vsaj angleškega jezika.

*eng:*

The young researcher will be trained at the Clinic for Reproduction and Large Animals, the Department Health Care of Pigs and the National Welfare Center. He will study the pain level of suckling piglets using different castration methods until the first week of life and monitor production parameters until slaughter. The piglets will be divided into four groups: In the first group, piglets will be castrated without anesthesia and analgesics; in the second group, analgesics will be used during castration; in the third group, piglets will be castrated under inhalation anesthesia; and in the fourth group, analgesics will be used in addition to inhalation anesthesia. In all the above groups, we will evaluate the degree of expressed pain based on facial expressions immediately after castration and up to one week of age. In addition, we will draw blood and process fluid and determine the concentration of cortisol and acute phase proteins. We will monitor the piglets until slaughter and weigh them monthly and monitor their growth, health status, and monthly blood and hair samples to detect cortisol. Experience with working with

pigs and working in the laboratory and knowledge of at least the English language.