

## Accepted Manuscript

Title: CIRCULATING REGULATORY T CELLS (Treg),  
LEPTIN AND INDUCTION OF PROINFLAMMATORY  
ACTIVITY IN OBESE LABRADOR RETRIEVER DOGS

Authors: Anna Teresa Palatucci, Diego Piantedosi, Valentina  
Rubino, Angela Giovazzino, Jacopo Guccione, Vlenia Pernice,  
Giuseppina Ruggiero, Laura Cortese, Giuseppe Terrazzano



PII: S0165-2427(18)30179-X  
DOI: <https://doi.org/10.1016/j.vetimm.2018.07.004>  
Reference: VETIMM 9776

To appear in: *VETIMM*

Received date: 26-4-2018  
Revised date: 25-6-2018  
Accepted date: 5-7-2018

Please cite this article as: Palatucci AT, Piantedosi D, Rubino V, Giovazzino A, Guccione J, Pernice V, Ruggiero G, Cortese L, Terrazzano G, CIRCULATING REGULATORY T CELLS (Treg), LEPTIN AND INDUCTION OF PROINFLAMMATORY ACTIVITY IN OBESE LABRADOR RETRIEVER DOGS, *Veterinary Immunology and Immunopathology* (2018), <https://doi.org/10.1016/j.vetimm.2018.07.004>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# CIRCULATING REGULATORY T CELLS (Treg), LEPTIN AND INDUCTION OF PROINFLAMMATORY ACTIVITY IN OBESE LABRADOR RETRIEVER DOGS

Anna Teresa<sup>a</sup> Palatucci<sup>b1</sup>, Diego Piantedosi<sup>c1</sup>, Valentina Rubino<sup>b</sup>, Angela Giovazzino<sup>d</sup>, Jacopo Guccione<sup>c</sup>, Vlenia Pernice<sup>d</sup>, Giuseppina Ruggiero<sup>d\*</sup>, Laura Cortese<sup>c2</sup>, Giuseppe Terrazzano<sup>b,d2</sup>

<sup>a</sup>Istituto di Endocrinologia e Oncologia Sperimentale (IEOS), Consiglio Nazionale delle Ricerche (CNR), Via Pansini 5, 80131, Napoli, Italy; <sup>b</sup>Dipartimento di Scienze, Università della Basilicata, Via Nazario Sauro 85, 85100, Potenza, Italy; <sup>c</sup>Dipartimento di Medicina Veterinaria e Produzioni Animali, Università Federico II, Via Federico Delpino 1, 80137, Napoli, Italy; <sup>d</sup>Dipartimento di Scienze Mediche Traslazionali, Università Federico II, Via Pansini 5, 80131, Napoli, Italy;

\*Corresponding author at Università Federico II, Via Pansini 5, 80131, Napoli, Italy  
Giuseppina Ruggiero (giruggie@unina.it)

1 These authors contributed equally to this work.

2 These authors share senior authorship.

## Highlights

- Labrador Retriever dogs show predisposition to overweight condition
- Treg, leptin and pro-inflammatory activity in obese dogs is still undefined
- Obese Labrador Retriever dogs show inverse correlation between Treg and leptin
- Increased CD3<sup>+</sup>CD8<sup>+</sup> cells with high  $\gamma$ IFN production *in vitro* characterise obese dogs

Download English Version:

<https://daneshyari.com/en/article/8504670>

Download Persian Version:

<https://daneshyari.com/article/8504670>

[Daneshyari.com](https://daneshyari.com)