

VETERINARY ANATOMY AND PHYSIOLOGY



Research Day UNICAM
Camerino 12 dicembre 2024



VETERINARY ANATOMY: Prof. Paola Scocco, Prof. Elena De Felice
VETERINARY PHYSIOLOGY: Doct. Laura Menchetti

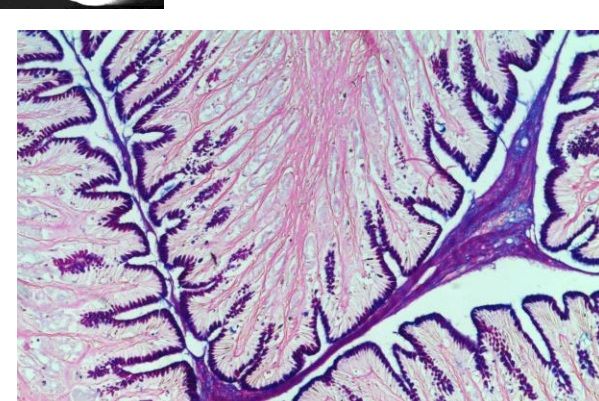
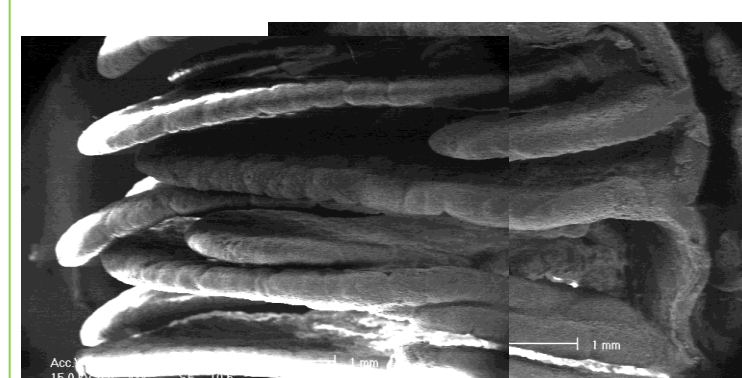
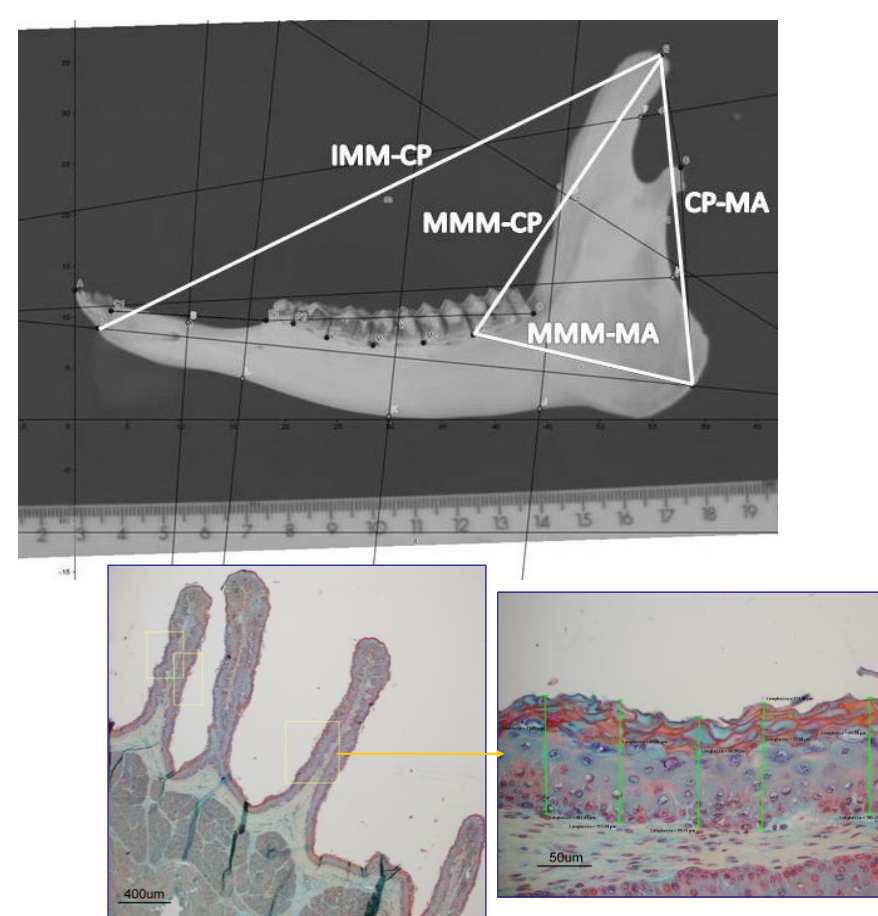
Scientific manager: Paola Scocco

Topics:

- Shape and size analysis to evaluate anatomical changes in domestic and wild species linked to different diets
- Glycohistochemical profile of mucous membranes and associated glands

Outputs:

- Application of anatomical skills to the conservative management of ecosystems in relation to the availability of trophic resources
- Evaluation of endogenous defense ability



Topic:

Evaluation of the effectiveness of Citizen Science activities

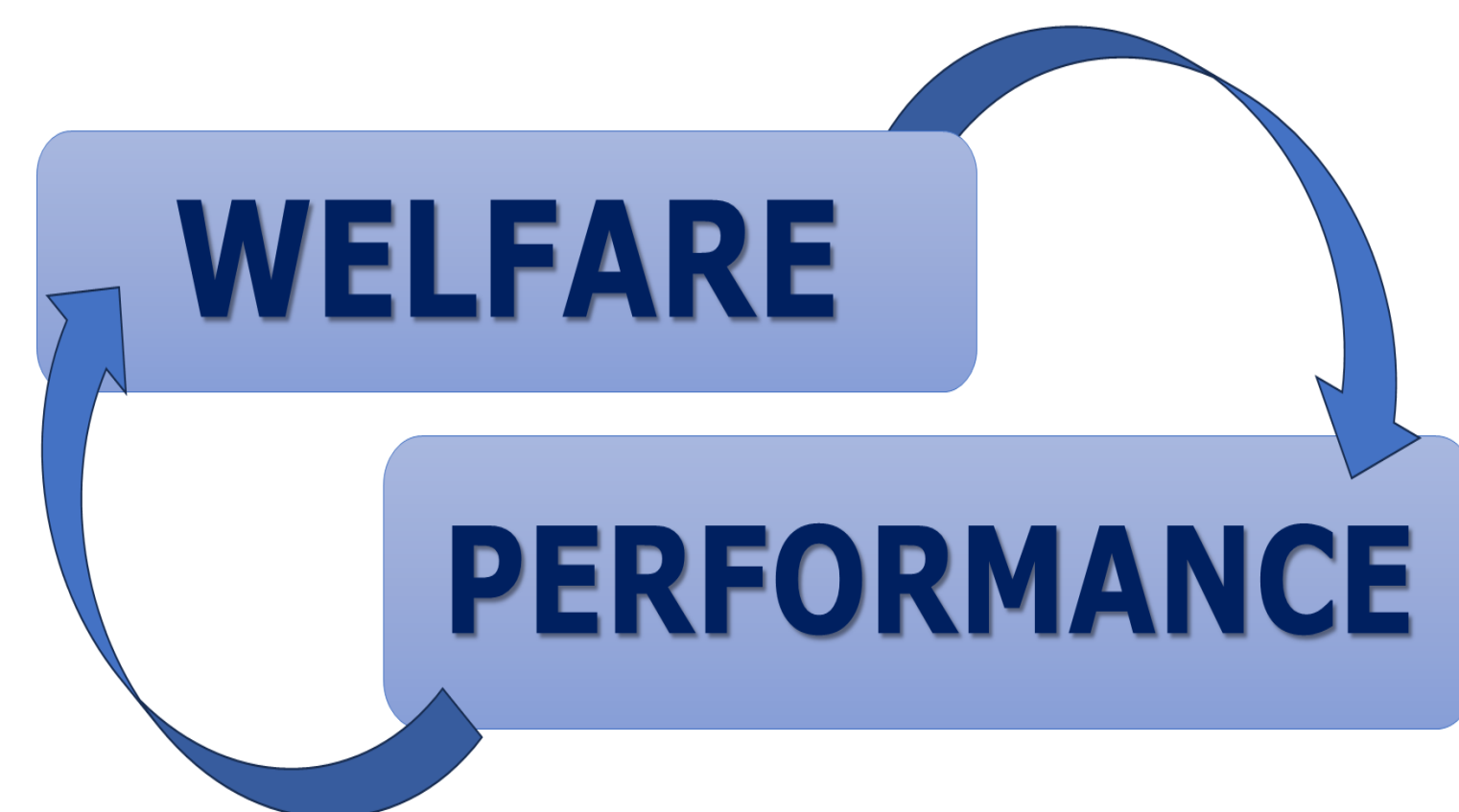
Output:

Scientific dissemination and public involvement

Scientific manager: Laura Menchetti

Topic:

Animal welfare assessment and its relationships with performance



...by non-invasive measures and...

...a multidisciplinary approach integrating animal-human relationships and...

...focused on animal's needs and positive experiences in...



Rabbits and poultry

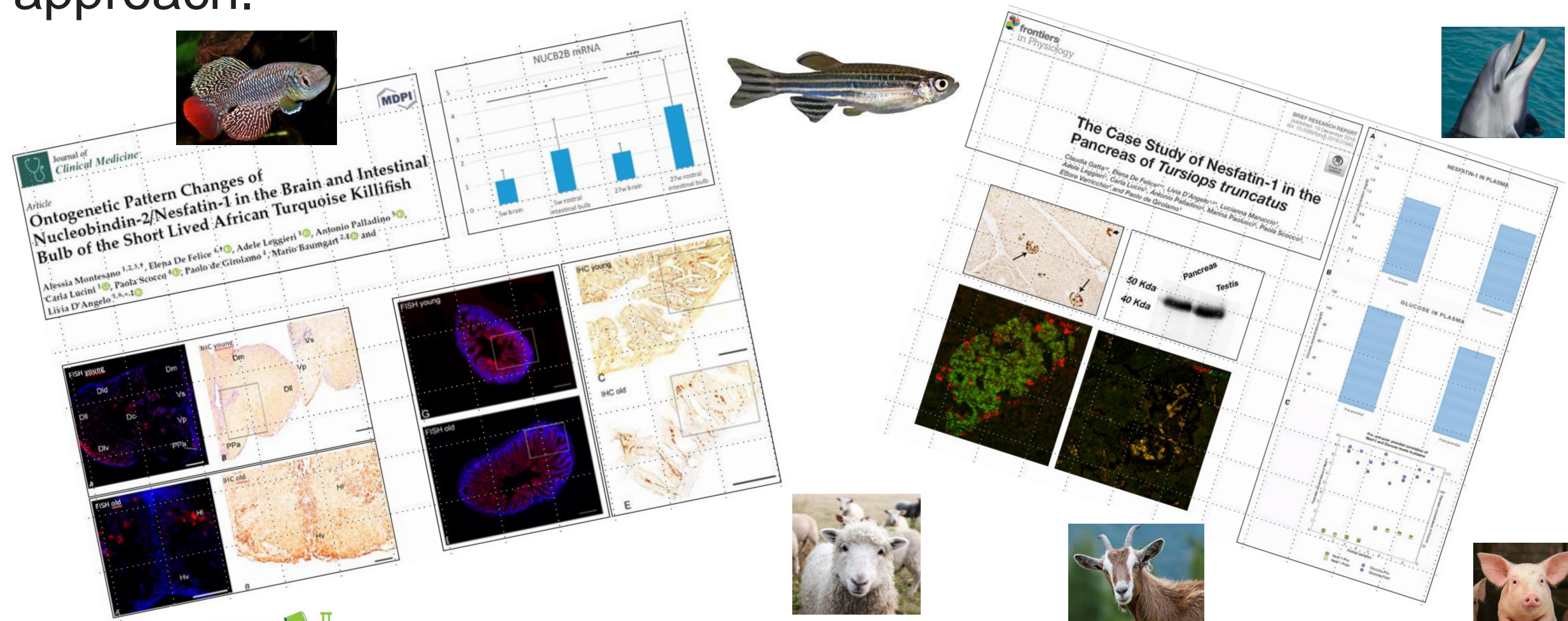


Scientific manager: Elena De Felice

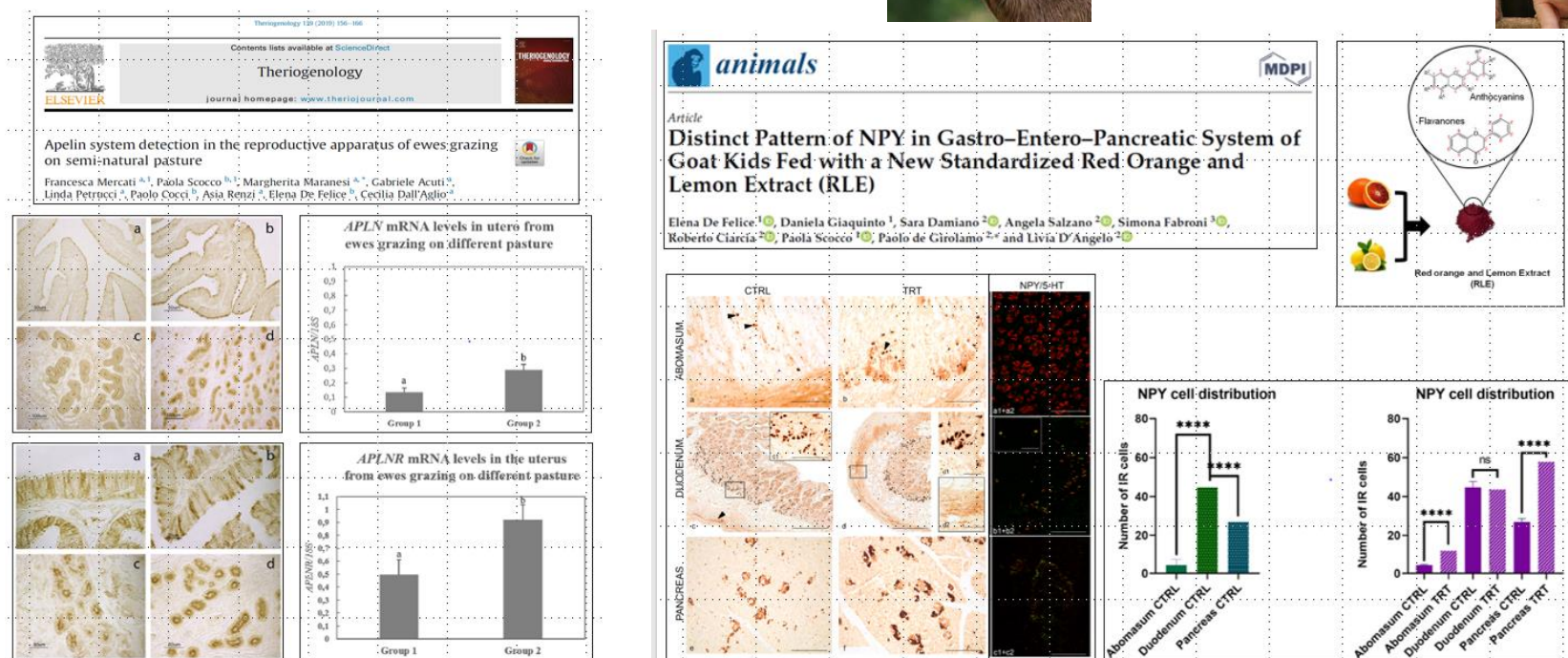
Topic: Study of molecules involved in the regulation of food intake in animals of veterinary interest

In recent years, interest has been growing in understanding the intimate mechanisms that govern the control of food intake and the maintenance of energy homeostasis, thus highlighting the complex interactions that takes place between the central nervous system and the periphery (especially the gastrointestinal tract). This research line is aimed at characterizing the substances involved in the mechanisms that regulate food intake and energy metabolism in animals of veterinary interest.

The investigations are conducted not only from an anatomical point of view but also analyzing various physiological conditions (different ages, different diets, etc.) with a multidisciplinary approach.



- Principal investigator of the PRIN 2022 call project "Goji berry for rabbits: feed, food and animal welfare benefits"
- Project coordinator of the UNICAM FAR 2019 "The African turquoise killifish *Nothobranchius furzeri*: a new model of a diet-induced obesity"



Sergio Maffi



Sled dogs



Search and rescue dogs



Lara

Thor



Camels

