



Ilaria Falerno

Born in Lecce, Italy

Graduated in Veterinary Medicine at the University of Teramo;
Field of interest: small animal surgery and diagnostic imaging.



Massimo Vignoli

Veterinary Surgical Clinic

Head of the Small Animal Diagnostic Imaging at the Veterinary Teaching Hospital Teramo



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Clinical Professor and Chair

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Giorgio D'Urso

SCIL ANIMAL CARE COMPANY S.R.L.

Treviglio (BG)

The PhD student will acquire the skills and autonomy necessary for the use and management of computerized tomography and fluoroscopy instrumentation, as well as the management and implementation of their set up processes.

Transbronchial cryobiopsies in the diagnosis of diffuse interstitial lung diseases in small animals

The focus of research is to study the use of transbronchial cryobiopsies in veterinary medicine.

It is part of the national smart specialization strategy (SNSI) approved by the European Commission under the thematic area "Health, nutrition, quality of life", under the "E-Health, advanced diagnostics, medical devices and minimally invasive area".

Transbronchial cryobiopsies are described as a safer alternative to the classic surgical biopsies in the diagnostic approach to widespread diffuse interstitial lung diseases.

In human medicine, several studies have already been published by the most prestigious journals in the sector.

In veterinary medicine, the minimally invasive nature of this technique could be useful to reach several important goals; First of all a complete characterization of the different interstitial lung diseases; to date these cannot be adequately described for too high risk for the patient.

It is known that these pathologies, which have been studied in human medicine for a long time, also affect domestic animals, which being an integral part of the family, are an excellent study model.

It is easy to imagine how the study of these pathologies also in veterinary medicine, can help the identification of new strategies of preventive and intervention both for the animal and man.

➤ Industrial impact of the project

Drafting of a diagnostic protocol usable for subsequent studies.

The various phases of the study will be published in high profile international journals and discussed in national and international conferences.



➤ Co-projecting & Training

The Scil Animal Care Company S.r.l. intervenes directly in the technical training of the PhD student for the use of tomographic and fluoroscopic machines, provides the machinery for qualitative and quantitative assessments in the subsequent clinical and experimental phases and will assist the PhD student with his tutor during the diagnostic investigations.