

Application of Infrared Thermography to diagnose health conditions in farm animals

Workshop on 24th January 2018

10:00 – 15:15

**The Boiler House
Newcastle University**

Keynote speakers:

Dr Dominic McCafferty

**Institute of Biodiversity, Animal Health & Comparative Medicine,
University of Glasgow**

Dr Dorothy McKeegan

**Institute of Biodiversity, Animal Health & Comparative Medicine,
University of Glasgow**

Dr John Allen

Institute of Cellular Medicine, Newcastle University

Dr Katherine Herborn

Institute of Neuroscience, Newcastle University

Dr Joanne Edgar

**School of Clinical Veterinary Science
University of Bristol**

Ms Marianne Farish

**Animal & Veterinary Sciences Research Group
SRUC**

Dr Pierpaolo Di Giminiani

**School of Natural and Environmental Sciences,
Newcastle University**

The workshop is free to attend.

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<http://conferences.ncl.ac.uk/irtnewcastle2018/>

The question of welfare detriment experienced by production animal species in some farming systems is particularly timely in the global effort to promote sustainability in food production.

The advancement of computing capabilities and cost-effective technologies provide an opportunity to develop new ways of assessing the impact of injuries and diseases on the animal, while simultaneously reducing the adverse economic impact to producers due to losses on farm and at slaughter. Infrared Thermography (IRT) is a promising diagnostic tool which has recently been used to detect alterations in skin temperature associated with health impairment in poultry, pigs and cattle.

The aims of this workshop are:

- 1) To provide a forum for sharing the scientific principles and the technical challenges of using IRT to investigate different health conditions across a range of species.
- 2) To identify potential application routes that may be of interest to industry to assist with the diagnosis of specific health issues.

