

Seeing the complete picture: Combination of telemetric monitoring and behavioral monitoring Special Interest Group

Klaas Kramer

Vrije Universiteit, Amsterdam, The Netherlands, K.Kramer@dienst.vu.nl

This SIG is intended to bring together researchers interested in the combination of physiological data obtained via implantable radio-transmitters and obtained from behavioral observation tools.

Leading experienced researchers will share the fruits of their years of laboratory experience working with fully implantable laboratory telemetry. Their presentations will communicate the details of the telemetry applications and methods they have employed to dramatically reduce animal use, to improve data quality, to do better science, to maximize the amount of information gained from each experimental animal, and to reduce animal stress and discomfort. An emphasis will be placed on the benefits of combining behavioral data obtained by different methods with physiological data.

Special Interest Group Contents

Transportation as major life-event in rats: effects on welfare and limits of adaptation

J.W.M. Arts, F. Ohl, and K. Kramer

Inline registration of heart rate and body temperature of free swimming eel

Marien Gerritzen, Bert Lambooij, and Hans van de Vis

An integrated system for video and telemetric recording: measuring behavioural and physiological parameters

Elena Moscardo, Chiara Rostello, Eric Rieux, and Reinko Roelofs

Concomitant assessment of heart rate and behavior in freely moving mice

Oliver Stiedl, Anton W. Pieneman, Jiun Youn, and René F. Jansen

Trends in telemetry monitoring: more data and improved animal welfare

Eric Rieux

Improvement of postoperative pain by ropivacaine: a radiotelemetric study of freely-moving rats following calibrated laparotomy.

A. Charlet, J.L. Rodeau, and P. Poisbeau