

**Introduction  
to  
Field Animal  
Experimentation  
“Practical part Module 1”**

**4 – 6 April 2011**

**Department of Ecology and Evolution  
Biophore  
University of Lausanne  
1015 Lausanne  
Tel. 021 692 41 89**

Alexandre Roulin, Nicolas Perrin, Philippe Christe, Luca Fumagalli, Claus Wedekind

## **PROGRAM**

### **1<sup>st</sup> day (morning)**

#### **NON-INVASIVE GENETIC METHODS (Luca Fumagalli)**

- 8.30 – 9.30 - Non-invasive methods: principles and limitations  
9.30 – 10.30 - Examples of non-invasive analyses applied to conservation biology and wildlife forensics.  
10.30 – 10.45 - *Break*

#### **REPTILES AND AMPHIBIANS (Nicolas Perrin)**

- 10.45 – 10.50 - Introduction  
10.50 – 12.15 - Reptiles: legislation and status; capture, handling, marking, blood sampling (*S. Ursenbacher*)

### **1<sup>st</sup> day (afternoon)**

#### **REPTILES AND AMPHIBIANS (Nicolas Perrin)**

- 13.00 – 14.30 - Amphibians: legislation and status; capture, handling, sampling, rearing (*J. Pellet*)  
14.30 – 14.45 - *Break*  
14.45 – 16.30 - Amphibians: practical part  
16.30 – 18.15 - Reptiles: practical part  
19.30 – 22.30 - (*facultative*) Amphibian capture and handling in the field (*J. Pellet*)

### **2<sup>nd</sup> day (morning)**

#### **MAMMALS (Philippe Christe)**

- 8.30 – 8.35 - Introduction  
8.35 – 10.30 - Capture techniques: micromammals, handling (*P. Vogel, UNIL*)  
10.30 – 10.45 - *Break*

#### **BIRDS (Alexandre Roulin with Lukas Jenni)**

- 10.45-10.50 - Introduction  
10.50-11.05 - Theory (Ethics, legislation, most frequent experiments)  
11.05-11.35 - Radiotracking and marking  
11.35-12.30 - Capture techniques

## **2<sup>nd</sup> day (afternoon)**

- 13.15-13.45 - Handling, biometry and blood sampling
- 13.45-14.15 - Injection and implantation
- 14.15-15.15 - Neck collars and discussion
- 15.15-15.30 - *break*

### **MAMMALS (Philippe Christe)**

- 15.30 – 16.15 - Sampling, marking and radiotracking: bats (*F. Biollaz, UNIL*)
- 16.15 – 17.30 - Radiotracking and marking, non-invasive tracking: the case of the lynx (*F. Zimmermann, KORA, Bern*)

## **3<sup>rd</sup> day (morning)**

### **FISH (Claus Wedekind with Matthias Escher & Katrin Bettge)**

- 08.30 – 08.35 - Introduction (Escher)
- 08.35 – 09.05 - Theory (Ethics, legislation, most frequent experiments) (Escher)
- 09.05 – 09.30 - Capture techniques and correct handling and keeping (Escher)
- 09.30 – 10.00 - Anaesthesia, external examination (Escher/Bettge)
- 10.00 – 10.15 - *Break*
- 10.15 – 10.45 - Tissue and blood sampling (Escher/Bettge)
- 10.45 – 11.30 - Radiotracking and marking (Escher/Bettge)
- 11.30 – 12.30 - Standard ecotoxicology tests and alternatives (Wedekind)