



INTERNATIONAL SYMPOSIUM ON

# **WILDLIFE CAPTURE AND CHEMICAL IMMOBILIZATION**

MAIELLA NATIONAL PARK | WILDLIFE RESEARCH CENTER  
OCTOBER 19 - 21, 2023

## **DETAILED PROGRAM**



# THURSDAY, OCTOBER 19, 2023

08.00 - 09.30. Registration Open

09.30. Welcome & Introductions. Symposium Opening Ceremony.

## **10.15. Keynote 1. Opening speech.**

**JON M. ARNEMO.**

### **35 YEARS AS A FIELD ANESTHESIOLOGIST**

11.30. Coffee break.

12.00. Comparison of carfentanil-xylazine and butorphanol-azaperone-medetomidine combinations for immobilization of free-ranging bison (*Bison bison*), **Caeley Thacker**, Canada

12.20. Capture and chemical immobilization of the grey wolf (*Canis lupus*) in Scandinavia: a review of 16 years of experience with tiletamine-zolazepam-medetomidine. **Jacopo Morelli**, Norway, UK, Sweden

12.40. Immobilization of brown bears and use of cage trap in problem bear management in Slovakia, **Ladislav Molnar**, Slovakia.

13.00 - 14.30. Lunch break.

14.30. Physiologic evaluation of capture and anesthesia with Fremont® Humane Foot Snare and Medetomidine-Ketamine-Acepromazine in free ranging Apennine wolf (*Canis lupus italicus*) and implications on animal welfare. **Simone Angelucci**, Italy.

14.50. A novel physical restraint cage for blood sampling conscious European badgers (*Meles meles*) in the field. **Richard Delahay**, UK.

15.10. A multimodal approach to the immobilization of free-ranging grey wolves (*Canis lupus*) using netgun capture and reversible butorphanol/azaperone/medetomidine anesthesia. **Naima Jutha**, Canada - USA.

15.30. Impacts of capture on wild animals. Assessing short term effects on behaviour in free-ranging wolves (*Canis lupus*): a case study. **Liliana Costanzi**, Italy.

15.50. Investigating the efficacy of butorphanol-dexmedetomidine-midazolam versus tiletamine-zolazepam for field immobilizations of free-ranging wild fishers (*Pekania pennanti*), **Andrew R. Di Salvo**, USA.

16.10. Poster Walk Session.

**16.45. Keynote 2.**

**MARK R. JOHNSON.**

**PRACTICAL APPROACHES FOR MONITORING AND MAXIMIZING ANIMAL CARE (Video Conferencing)**

17.45. Day 1 Closing remarks. **Jon M. Arnemo**.

## **FRIDAY, OCTOBER 20, 2023**

**09.00. Keynote 3.**

**ALINA L. EVANS.**

**CUTTING EDGE: CHEMICAL IMMOBILIZATION AND ANESTHESIA OF FREE-RANGING BROWN BEARS**

10.30. Chemical immobilization of brown bears a Croatian experience. **Slaven Reljić**. Croatia.

10.50. The welfare impacts of two methods for blood sampling European badgers (*Meles meles*) in the field **Adrian Colloff**, UK.

11.10. Coffee break.

11.40. Capture-induced changes in brown bear (*Ursus arctos*) activity patterns. **Giovanna Miani**, Italy.

12.00. The cost of research: lasting effects of capture, surgery and muscle biopsy on brown bear movement and physiology. **Alexandra Thiel**, Norway  
- Germany - Austria - Sweden.

12.20. - 14.00. Lunch break.

14.00. Welfare and Clinical Assessment on physical captures followed by anesthesia in Apennine Chamois (*Rupicapra pyrenaica ornata*), **Antonio Antonucci**, Italy.

14:20. Take a deep breath, and try it again: brown bear (*Ursus arctos*) spatial behaviour in relation to the techniques and capturing site. **Lorenzo Frangini**, Italy.

14.40. Using BAM (butorphenol/azaperone/medetomidine) combination protocols for capture of free-ranging and captive wildlife in the Yukon, Canada. **N. Jane Harms**, Canada. (Video Conferencing)

15.00. Poster Walk Session.

**15.30. Keynote 4.**

**TERRY KREEGER.**

**WILDLIFE CAPTURE IN THE 21ST CENTURY (Video Conferencing)**

16.15. Day 2 Closing remarks. **Alina Evans**.

19.00. Social evening.

## SATURDAY, OCTOBER 21, 2023

**09.30. Keynote 5.**

**JORGE R. LOPEZ OLVERA.**

**CAPTURING EUROPEAN WILD UNGULATES:  
HOW WELL ARE WE DOING?**

11.00. Qualitative assessment of immobilization with detomidine, ketamine and azaperone in fallow deer (*Dama dama*): a pilot study.

**Giulia Maria De Benedictis**, Italy.

11.20. Coffee break.

11.50. Field Immobilization of European Bison for translocation.

**Ladislav Molnar**, Slovakia.

12.10. Integrating capture-based and environmental samplings to investigate endoparasite community in a population of Alpine marmots (*Marmota marmota*). **Rudi Cassini**, Italy.

12.30 - 14.00. Lunch break.

**14.00. Keynote 6.**

**MARC CATTET.**

**WILDLIFE CAPTURE: CONSIDERATIONS, CONSEQUENCES,  
AND ALTERNATIVES**

15.30. Immobilization of Free-ranging Eurasian lynx - Complications, Challenges and Lessons learned. **Iris A. Marti**, Switzerland.

15.50. Rescue, rehabilitation, and post-release monitoring of grey wolves and Eurasian lynx in Poland, **Michał Figura**, Poland.

16.10. Point of view: What if we got rid of chase time limits? A qualitative approach to decision-making in complex situations.

**Ève Lamontagne**, Canada.

16.30. Day 3 Closing remarks. **Jorge R. Lopez Olvera and Marc Cattet**

**17.30. Remarks for Closing Ceremony. Jon M. Arnemo, Alina Evans, Jorge R. Lopez Olvera and Marc Cattet.**

## POSTER SESSION

1. Human and wildlife conflict, Amputation of the forelimb of Persian Leopard (*Panthera pardus tulliana*) being caught in a metal gin trap in Bashagard County. **Ehsan Saeidi**. Iran, Italy.
2. Challenges and strategies capturing wolves in a human-dominated landscape in Switzerland. **Florin Kunz**. Switzerland.
3. Chemical immobilization of free-ranging Fallow deer in Northern Italy: a retrospective observational study. **Riccardo Ercolini**. Italy.
4. Development of an effective, versatile humane wild hog trap. **Pietro Pontiggia**, USA, DE.
5. Efficacy and Recovery Quality of Concentrated Alfaxalone Anesthesia in Spotted Hyena (*Crocuta Crocuta*) - A Pilot Study. **R. Scott Larsen**. USA, Australia.
6. A journey through time: comparison of three anesthetic protocols in free ranging Marsican brown bears, **Leonardo Getuli**, Italy.

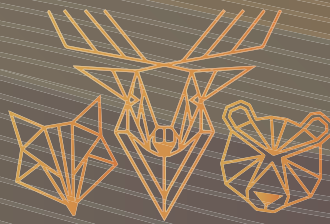
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