



Provincia di Latina



**Istituto Zooprofilattico  
Sperimentale del Lazio e della Toscana  
M. Aleandri**



**INTERNATIONAL  
BUFFALO  
FEDERATION**



**CONSIGLIO PER LA RICERCA  
E LA SPERIMENTAZIONE  
IN AGRICOLTURA**

# **IBF TRAINING COURSE ON BUFFALO MANAGEMENT AND INDUSTRY**

**June 16 - 27, 2014**

**Istituto Zooprofilattico Sperimentale  
del Lazio e della Toscana Mariano Aleandri  
Sezione di Latina**

**Latina, Italy**

## Organized by

Antonio Borghese  
Antonio Fagiolo  
Remo Rosati  
Vittoria Lucia Barile  
Gianpaolo Bruni  
Cristina Di Russo  
Francesco D'Ausilio  
Tiziana Galli  
Nello Giorgi  
Giorgio Saralli  
Giuseppina Maria Terzano  
Tiziana Zottola

## Co-Organizers



## PROGRAM

### MONDAY, JUNE 16

- 9.00-17.00      Arrival of participants, check-in to accommodation and registration
- 17.00-19.00      Visit of the Animal Prophylaxis Research Institute laboratories for milk analysis and pathology diagnosis

### TUESDAY, JUNE 17

- 9.00-10.00      Authorities welcome and Course presentation
- 10.00-13.00      **The Buffalo species in the world economy**  
*Prof. A. Borghese*
- 15.00-18.00      **Nutrition and Feeding in buffalo species**  
*Prof. F. Infascelli*
- 18.00-19.00      **Rumen microbiology**  
*Dr. A. Chiariotti*

### WEDNESDAY, JUNE 18

- 9.00-13.00      **Health controls: infective pathologies and environmental diseases**  
*Dr. A. Fagiolo, Dr. G. Saralli*
- 15.00-16.00      **The evolutionary, clinical and molecular cytogenetics of the buffalo and their contribution to the genetic improvement**  
*Prof. L. Iannuzzi*
- 16.00-19.00      **Reproduction pathologies in male and female buffaloes**  
*Prof. W. Vale*

### THURSDAY, JUNE 19

- 9.00-11.00      **Reproduction technologies: oestrus detection, oestrus synchronization, artificial insemination, sperm sexing**  
*Dr. V.L. Barile*
- 11.00-13.00      **Application of ultrasonography**  
*Dr. G.M. Terzano*
- 15.00-16.00      **Semen production in a Buffalo Bull Centre**  
*Dr. A. Chiacchierini*

- 16.00-17.00      **Embryo production in the Avantea Centre**  
*Prof. C. Galli*
- 17.00-18.00      **Pregnancy diagnosis: laboratory methods**  
*Dr. O. Barbato*
- 18.00-19.00      **The buffalo as a producer of energy**  
*Dr. A. Perrone*

### FRIDAY, JUNE 20

- 8.30                      Departure to the *Nello Giorgi* buffalo farm, Campoverde, Aprilia.
- 9.00-10.30          **How a pathology event has to be managed from the farm to the laboratory**  
*Staff: A.Fagiolo, G.Saralli*
- 10.30-13.00        **Reproductive controls - practical demonstration: rectal palpation, ultrasonography, artificial insemination**  
*Staff: W. Vale, G.M. Terzano, V.L. Barile*
- 15.00-18.00        **Correct practices of milking and milk production measurements**  
*Staff: A. Borghese, T. Galli, G. Bruni, C. Boselli*

### SATURDAY, JUNE 21

- 8.00-13.00          Tour of Sabaudia beach (located in the Circeo National Park) a typical example of Italian coastline vegetal formation: *Macchia Mediterranea*
- 16.00-20.00        Visit of the Reclaimed land and Hystorical Museum “*Piana delle Orme*”

### SUNDAY, JUNE 22

Sightseeing in Rome

### MONDAY, JUNE 23

- 9.00-13.00          **Milk quality and processing**  
*Dr. S. Amatiste, Dr. G. Giangolini*
- 15.00-18.00        **The milk flow and its influence on quality and economic aspects with practical demonstrations**  
*Dr. C. Boselli*

### TUESDAY, JUNE 24

- 9.00-11.00          **Breeding and Selection**  
*Dr. A. Coletta, Dr. E. Parlato*
- 11.00-13.00        **Milk production technologies**  
*Prof. A. Borghese*

15.00-18.00            **Practical demonstration of milk processing in the Perseo cheese factory**  
*Dr. C. Tripaldi, T. Zottola*

**WEDNESDAY, JUNE 25**

9.00-11.00            **Calves and heifers management**  
*Dr. G. M. Terzano*

11.00-13.00           **Behaviour and Welfare of dairy buffalo**  
*Prof. G. De Rosa, Prof. F. Napolitano*

15.00-18.00           **Meat production technologies and processing**  
*Dr. S.Failla, Dr. D. Meo Zilio*

**THURSDAY, JUNE 26**

9.00-18.00            Visit of the *Buffalo Beef* farm (Galluccio, Caserta) and the *Buffalo Beef*  
factory (S. Angelo in Formis, Caserta)

Visit of the *Fattorie Garofalo* farm and cheese factory  
(S. Maria Capua Vetere, Caserta)

Staff: *Prof. A. Borghese, A.Fagiolo, S.Failla, D.Meo Zilio*

**FRIDAY, JUNE 27**

7.00                    Departure to CRA-PCM (Monterotondo, Roma)

9.00-11.30            Visit of the Research Centre and the *Tormancina* Farm

11.30-12.00           Evaluation and closing remarks on the IBF course

12.00                   Transfer to Latina

14.00-16.00           Visit of the *Casale del Giglio* wine factory with typical lunch (Le Ferriere,  
Latina)

17.30-20.00           Visit of the *Azienda Agricola Casabianca* buffalo farm and cheese factory  
(Fondi, Latina)

20.00                   Farewell dinner

Surname	Name	Institution
Coletta	Angelo	ANASB - Italian Buffalo Breeders Association
Parlato	Emanuela	
Galli	Cesare	Avantea Centre
Chiacchierini	Anna	Centro Tori Chiacchierini
Iannuzzi	Leopoldo	CNR ISPAAM
Barile	Vittoria Lucia	CRA-PCM - Animal Production Research Centre
Chiariotti	Antonella	
Failla	Sebastiana	
Meo Zilio	David	
Terzano	Giuseppina Maria	
Tripaldi	Carmela	
Vale	William	Federal University West Parà, Brasil
Borghese	Antonio	IBF - International Buffalo Federation
Perrone	Antonio	
Amatiste	Simonetta	IZSLT Animal Prophylaxis Research Institute
Boselli	Carlo	
Bruni	Gianpaolo	
Fagiolo	Antonio	
Galli	Tiziana	
Giangolini	Gilberto	
Saralli	Giorgio	
Zottola	Tiziana	
Napolitano	Fabio	University of Basilicata
Infascelli	Federico	University of Naples Federico II
De Rosa	Giuseppe	
Barbato	Olimpia	University of Perugia