

## VERONICA REDAELLI



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## PERSONAL INFORMATION

**VERONICA REDAELLI**  
**VIA TRECANO 16, 23848 OGGIONO**  
**\*\*39 0250318053**  
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**veronica@deralab.com**  
**Italian**  
**15 January 1975**

## EDUCATION AND TRAINING

### • Dates (2007 – 2010)

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

*University of Milan, Veterinary Medicine Faculty - via Festa del Perdono 7 – 20122 Milan*

*PhD Student - Topic: Infrared Thermography Technique in Veterinary Medicine*

*PhD in Animal Production*

### • Dates (March 2003)

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

*CICPND – Legnano -Italy*

*Advanced course in infrared thermography*

*Thermography technician of second level*

### • Dates (1995– 2001)

- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

*University of Milan, Faculty of mathematical physical natural sciences - via Festa del Perdono 7 – 20122 Milan*

*Thermography and non destructive techniques in cultural heritage*

*Thesis Title: "Misure quantitative di flussi evaporativi da materiali edilizi di interesse archeometrico mediante tecniche di termografia"*

*Doctor in physics*

## PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE  
OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

**Italian**

**English**  
**Good**  
**Good**  
**Good**

## COMPUTER SKILLS AND COMPETENCES

Competent with Microsoft Windows / Microsoft Office programmes and with most software of graphic imaging processing and video processing

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## SCIENTIFIC ACTIVITIES

### Awards:

October 2011 - "Premio Pierjacomo Ghitti" - Fondazione Iniziative Zooprofilattiche e Zootecniche. Brescia

### Last Conferences :

- WAFL 2011 Congress "Perspectives of Farm and Animal Welfare Assessment at Level Group" held in Guelph (Canada) August 9-13, 2011.
- International Conference FELASA (Federation European Laboratory Animal Science) held in Helsinki, June 14-17, 2010.
- Faculty of Veterinary Medicine, University of Milan. "The transport of animals to livestock interest: up to date on wellness, legislation, traceability, held in Milan, April 21, 2010.
- Italian Rabbit Scientific Association Congress, held in Bastia Umbra, March 26, 2010.
- International Conference "New insights on hippological field", December 3-4, 2009.
- International Conference on Advanced Infrared Thermography Association, held in Florence, September 8-11, 2009.
- Italian Rabbit Scientific Association Congress, held in Forlì, April 2 to 3, 2009.
- Scientific Association of Animal Production Congress, held in Palermo June 9-12, 2009.
- Italian Rabbit Scientific Association Congress held in Lodi, 17/10/2008.
- Workshop "State of Innovation thermographic method," held in Padua on 01/10/2008.
- WAFL 2008 Congress "Perspectives of Farm and Animal Welfare Assessment at Level Group" held in Ghent (Belgium) September 10-13, 2008.

### Research collaborations :

- Dipartimento di Scienze Animali - Università degli Studi di Milano
- Dipartimento di Fisica - Università degli Studi di Milano
- Centro di Allevamento e Addestramento per cani da lavoro della Guardia di Finanza di Castiglione del Lago - Italy
- Dipartimento di Scienze Cliniche Veterinarie - Università degli Studi di Milano
- Dipartimento di Protezione e Valorizzazione Agro-alimentare - Università di Bologna
- Dipartimento BEST – Politecnico di Milano
- Dipartimento di Neuroscienze Comportamentali - Istituto Superiore di Sanità - Roma
- Centro Internazionale del Cavallo di Druento - Italia
- Istituto Farmacologico Mario Negri – Milano
- Scottish Agricultural College – Edinburgh

## Publications :

### 2011

- 1) Cross sectional study on bovine lameness in Northern Italy dairy herds. A. Zecconi, S. Tarantino, F. Luzi, V. Redaelli. Intervento presentato al 16. convegno Lameness in ruminants: lameness, a global perspective tenutosi a Rotorua (NZ) nel 2011.
- 2) Infrared thermography as a non invasive technique to assess lameness in dairy cows. A. Zecconi, V. Redaelli, S. Tarantino, F. Luzi, M. Verga. Intervento presentato al 16. convegno Lameness in ruminants: lameness, a global perspective: symposium tenutosi a Rotorua (NZ) nel 2011.
- 3) Animali d'affezione: nuove frontiere nella ricerca su problemi comportamentali neurofisiologia e genetica. Fondazione Iniziative Zooprofilattiche e Zootecniche, Brescia. 2011.
- 4) Infrared thermography: a non invasive technique to asses metabolic activity in horses. E. Valle, V. Redaelli, M. Papa, D. Bergero, F. Luzi. Intervento presentato al 5. convegno 5th International Conference on the Assessment of Animal Welfare at Farm and Group Level tenutosi a Guelph nel 2011.
- 5) Demonstration of thermoregulatory control of piglets during farrowing by infrared thermography. V. Redaelli, M. Farish, F. Luzi, E.M. Baxter. Intervento presentato al 5. convegno 5th International Conference on the Assessment of Animal Welfare at Farm and Group Level tenutosi a Guelph nel 2011.
- 6) Thermographic techniques to assess welfare during teeth grinding in piglets. V. Redaelli, F., Luzi, M. Farish. Intervento presentato al 5. convegno 5th International Conference on the Assessment of Animal Welfare at Farm and Group Level tenutosi a Guelph nel 2011.
- 7) Relationship between piglets skin temperature measured by infrared thermography and environmental temperature in a vehicle in transit: a preliminary study. L. Nanni Costa, V. Redaelli, D. Magnani, F. Cafazzo, M. Amadori, E. Razzuoli, M. Verga, F. Luzi. Intervento presentato al 5. convegno 5th International Conference on the Assessment of Animal Welfare at Farm and Group Level tenutosi a Guelph nel 2011.
- 8) Applicazione della termografia in Medicina Veterinaria. V. Redaelli, N.G. Ludwig, F. Luzi, L. Ferrari, D.M. Zucca, M. Verga. - In: Summa. Animali da reddito. - ISSN 1828-5546. - 6:7(2011 Jul), pp. 19-24.

### 2010

- 9) J. Riva, S.P. Marelli, V. Redaelli, G. Bondiolotti, E. Sforzini, F. Luzi, M. Verga (2010) Differenze neurotrasmettitoriali e comportamentali tra razze in cani antidroga: uno studio pilota. *Submitted to Gruppo Editoriale Tangram, Trento.*
- 10) L. Nanni Costa, V. Redaelli, D. Magnani, S. Cafazzo, M. Amadori, E. Razzuoli, M. Verga, F. Luzi (2010) Studio preliminare sulla relazione tra la temperatura cutanea del suinetto misurata mediante termografia e quella ambientale all'interno di un veicolo durante il trasporto. *Submitted to LXIV Convegno Nazionale S.I.S.Vet.Asti, 8-10 Settembre 2010*
- 11) N. Ludwig, F. Luzi, V. Redaelli, M. Verga (2010) La termografia ad infrarosso per la valutazione del benessere in modo non invasivo - In: Benessere Animale. A cura di Fulvio Biancifiori. Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche.

- 12) M. Fornasier, V. Redaelli, A. Tarantino, F. Luzi, M. Verga (2010) Infrared thermography (IRT) in nude mice: an alternative method for body temperature measurement. *Atti Scand FELASA 2010, Helsinki, June 14-17, 2010.*
- 13) J. Riva, S.P. Marelli, V. Redaelli, F. Luzi, E. Sforzini, G.P. Bondiolotti, C. Carezzi, M. Verga (2010) The effects of drug detection training on behavioural reactivity and blood neurotransmitters levels in drug detect dog, a preliminary study. *Submitted to the Editor in Chief of the Journal of Veterinary Behavior: Clinical Applications and Research.*
- 14) V. Redaelli, F. Luzi, E. Chiminelli, F. Ferrucci, M. Verga, C. Carezzi (2010) Utilizzo della tecnica termografica in ippatria: principi e applicazioni. *Veterinaria Pratica Equina, Point Veterinaire Ed., in press.*
- 15) D. Zucca, E. Heinzl, F. Luzi, H. Cardile, C. Ricci, V. Redaelli, M. Verga (2010) Effect of environmental enrichment and group size on behaviour and production in fattening rabbits. *Submitted to World Rabbit Science.*
- 16) D. Zucca, V. Bonazza, E. Heinzl, F. Luzi, V. Redaelli, M. Verga (2010) Effect of handling in pre-weaning rabbits. *Submitted to World Rabbit Science.*
- 17) V. Redaelli, C. Rosciano, F. Luzi, M. Minero, L. Ferrari, F. Ferrucci, E. Zucca, M. Verga (2010) Non invasive techniques to assess welfare on sport horses: thermography and heart rate variability. *Submitted to "12° Convegno "Nuove acquisizioni in materia di ippologia", Druento, (TO).*
- 18) V. Redaelli, F. Luzi, F. Ferrucci, E. Zucca, L. Ferrari, B. Conturba, G. Stancari, M. Verga (2010) Thermography in racehorses running on a high speed treadmill. *Submitted to "12° Convegno "Nuove acquisizioni in materia di ippologia", Druento, (TO).*
- 19) V. Redaelli, N. Ludwig, F. Luzi, M. Verga (2010) Applicazioni della termografia in medicina veterinaria. *Submitted to Summa Veterinaria Animali da Reddito.*
- 20) P.A. Martino, V. Redaelli, F. Luzi (2010) Evaluation of the microbial air composition in a rabbit farm. *Submitted to World Rabbit Science.*

## 2009

- 21) J. Riva, S.P. Marelli, V. Redaelli, E. Sforzini, F. Luzi, G.P. Bondiolotti, W. Di Mari, M. Verga. (2009) Effect of training on behavioural reactivity and neurotransmitters levels in drugs detection dogs. In: *Journal of Veterinary Behavior*. - ISSN 1558-7878. - 5:1(2010), pp. 38-39.
- 22) J. Riva, S.P. Marelli, V. Redaelli, E. Sforzini, F. Luzi, W. Di Mari, M. Verga. (2009) Video infrared thermography technique in dogs / - In: *Journal of Veterinary Behavior*. - ISSN 1558-7878. - 5:1(2010), pp. 64-64.
- 23) V. Redaelli, M. Minero, F. Ferrucci, E. Zucca, F. Luzi, C. Carezzi, M. Verga. (2009) Infrared video-thermography of sport horses on a high speed treadmill : a pilot study /. - In: *Italian Journal of Animal Science*. - ISSN 1594-4077. - ISSN 1828-051X. - 8:Suppl. 2(2009), pp. 736-736.
- 24) V. Redaelli, F. Ferrucci, E. Zucca, M. Minero, L. Ferrari, F. Luzi, C. Carezzi, M. Verga, (2009) Infrared video-thermography technique on Sport Horses. 10th International Workshop AITA, Firenze 2009.
- 25) V. Redaelli, S. Tarantino, C. Ricci, F. Luzi, A. Zecconi, M. Verga (2009) A non invasive method to measure lameness in dairy cow. *Ital. J. of Anim. Sci.*, 8 (Suppl. 2):671.

- 26) V. Redaelli, M. Minero, F. Ferrucci, E. Zucca, F. Luzi, C. Carezzi, M. Verga (2009) Utilizzo della video-termografia nel cavallo atleta. Atti 11° Convegno "Nuove acquisizioni in materia di Ippologia" Centro Internazionale del Cavallo, druento (TO), 3-4 dicembre 2009.

## 2008

- 27) F. Luzi, N. Ludwig, M. Monzani, M. Gargano, C. Ricci, V. Redaelli, M. Verga (2008) Procedures for analyses of sequence of thermal images in welfare study of rabbit / - In: Book of abstracts of the 4. International Workshop on the Assessment of Animal Welfare at Farm and Group Level (WAFL) : Ghent, 10-13 September 2008 / [a cura di] P. Koene. - Ghent : Universiteit Gent, 2007. - pp. 85-85.
- 28) N. Ludwig, M. Gargano, V. Redaelli, F. Luzi, M. Verga. (2008) Analisi di immagini termiche per la valutazione del benessere animale / (Intervento presentato al convegno Benessere animale e qualita' delle produzioni cunicole tenutosi a Lodi nel 2008).

## Previous years:

- 29) E. Rosina, N. Ludwig, V. Redaelli, S. Della Torre, S. D'Ascola, M. Catalano, C. Faliva (2005) IRT analisys on hisoric buildings : towards and controlled convection heating / (Proceedings of SPIE ; 5782). - In: Thermosense 27. / [a cura di] G. R. Peacock, D. D. Burleigh, J. J. Miles. - [s.l.] : SPIE, 2005. - ISBN 9780819457677. - pp. 153-163.
- 30) N.Ludwig, E. Rosina, V. Redaelli, (2005) IRT for mapping restoration plasters by convective heating, proc. ART'05 8th international int. Conf. Non destructive Investigation and Microanalysis for the diagnostics and conservation of the cultural and enviormantal heritage, Lecce 2005.
- 31) N. Ludwig, V. Redaelli, E. Rosina , F. Augelli (2004) Moisture detection in wood and plaster by IR thermography / - In: Infrared physics & technologies. - ISSN 1350-4495. - 46:1-2(2004), pp. 161-166.
- 32) E. Rosina, N. Ludwig, V. Redaelli , E. Robison (2003) IRT techniques for the detection of timber moisture / (Proceedings of SPIE ; 5073). - In: Thermosense 25. : proceedings of SPIE / [a cura di] K. E. Cramer, X. P. Maldague. - Bellingham : SPIE, 2003. - ISBN 9780819449320. - pp. 100-108.
- 33) M. Milazzo, N. Ludwig, V. Redaelli (2003) Comparazione di metodi termovisivi per l'identificazione di aree umide su materiali dell'edilizia storica. Atti III Congresso nazionale AIAR Associazione Italiana di Archeometria, Ravello 2003.
- 34) E.Rosina, N.Ludwig e V.Redaeli (2003) Metodi per la misura dell'umidità nei materiali dell'edilizia storica: legno e intonaci. Atti 10°Congresso Nazionale AIPND Brescia, 2003, pp165-173.
- 35) M. Milazzo, N. Ludwig, V. Redaelli (2002) Studio di flussi evaporativi nelle dinamiche del degrado di materiali umidi mediante termografia / - In: Atti del 2. Congresso nazionale di Archeometria / [a cura di] C. D'Amico. - Bologna : Patron, 2002. - ISBN 9788855526883. - pp. 151-161.
- 36) M. Milazzo, N. Ludwig, V. Redaelli (2002) Evaluation of evaporation flux in building materials by infrared thermography / - In: Proceedings of 6. international conference on quantitative infrared thermography, Dubrovnik, September 24-27,2002[s.l.], 2002. - pp. 150-155.