

Curriculum Vitae

Elisa Mosconi

Personal Details

Name Elisa Mosconi
Birth February 26th, 1978
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University of Verona
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Professional experience- education

April 2011 -April 2012 Scholarship, Dep. of Computer Sciences, University of Verona, Italy

January 2008-December 2010 Ph.D. in "Multimodal Imaging in Biomedicine" , University of Verona
Thesis title:
"Acquisition and analysis of MRS spectra in animal models"

Scholarship from Veneto Nanotech, Italy

June 2006 M.Sc. Physics
University of Padua

Courses

April 11th-15th, 2011 National Course "**Detectors and Electronics for High energy Physics, Astrophysics , Space Applications and Medical Physics**"
INFN National laboratories of Legnaro, Padua, Italy

March 2009 -November 2009 Visitor student
ESAT, Katholieke Universiteit Leuven, Leuven, Belgium

October 13th -16th , 2008 "International MRI/MRS User's Meeting", Karlsruhe-Ettlingen
(Germany)

September 1st-4th, 2008 National Course "**Basic NMR**", Turin, Italy

March-April 2008 National Course "**Image Registration**", prof. Adrien Bartoli, Verona, Italy

Publications

November 2010

Journal of Lipid Research:Volume 52 (2011), Page 330-336

Investigation of adipose tissues in Zucker rats using in vivo and ex vivo Magnetic Resonance Spectroscopy

Elisa Mosconi^{*1}, Marco Fontanella^{*1}, Diana M. Sima², Sabine Van Huffel², Silvia Fiorini¹, Andrea Sbarbati¹, Pasquina Marzola³

(* These authors contributed equally to the work)

¹ Magnetic Resonance Laboratory, DSNMM, Section of Anatomy and Histology, University of Verona, Verona, Italy

² Department of Electrical Engineering (ESAT-SCD), Katholieke Universiteit Leuven, Leuven, Belgium

³ Department of Computer Sciences, University of Verona, Italy

April 2011

Lipids:Volume 46, Issue 7 (2011), Page 659-667

Fast and minimally invasive determination of the unsaturation degree of white fat depots by Raman Spectroscopy

M. Giarola (1), B. Rossi (2), **E. Mosconi (3)**, M. Fontanella (3), P. Marzola (3), I. Scambi (3), A. Sbarbati (3), G. Mariotto (1)

1) Dipartimento di Informatica, Università di Verona

2) INFN, CRS-SOFT, c/o Università di Roma "La Sapienza"

3) DSMB, Section of Anatomy and Histology, University of Verona, Verona, Italy

March 2010

International Journal of Meat Science:

Ex vivo Nuclear Magnetic Resonance Characterization of Pig Muscles

C.Zancanaro(1), M. Fontanella(1), E. Nicolato(1), **E.Mosconi(1)**, C.Pellicciari (2) and M. Malatesta(1)

¹ Magnetic Resonance Laboratory, DSNMM, Section of Anatomy and Histology, University of Verona, Verona, Italy

³ Department of Animal Biology, Lab. of Cell Biology, University of Pavia, Italy

Congresses

March 31st -April 1st 2011

ISMRM Italian Chapter, Roma, Italy

Investigation of adipose tissues in Zucker rats using in vivo and ex vivo Magnetic Resonance Spectroscopy

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³ Department of Computer Sciences, University of Verona, Italy

March 31st -April 1st 2011

Poster

ISMRM Italian Chapter, Roma, Italy

DTI and MRS in the preclinical model of aging

S. Tambalo(1), **E. Mosconi (1)**, A. Daducci(3), S. Fiorini(1), M. Ballelli(2), P.Fattoretti(2), A. Sbarbati(1), P. Marzola(1)

1) Dep. Computer Science, University of Verona, Italy

2) D.S.NN.MM., University of Verona, Italy

3) EPFL, STI IEL LTS5 ELD 232 (Batiment ELD) Lusanne, Switzerland

July 21st 2010

Poster

Italian Bruker MRI/MRS Users' Meeting, Turin, Italy

MRS in adipose tissue characterization

E.Mosconi¹, M. Fontanella¹, D.M.Sima², P. Marzola¹ and S. Van Huffel²

¹University of Verona, Department of Neurological, Neuropsychological, Morphological and Movement Sciences,

Section of Anatomy and Histology, Strada Le Grazie 8, Verona, Italy

²ESAT, Katholieke Universiteit Leuven, Kasteelpark Arenberg 10, Leuven, Belgium

February 4th-5th 2010

Poster

ISMRM-Italian Chapter 2010, Milan, Italy

T2 relaxation and 1H-MRS in an early stage of pilocarpine induced Status Epilepticus

E. Mosconi, M. Pellitteri, F. Schio, R. Lodico, L. Zanetti, S. Fiorini, E. Nicolato, P. F. Fabene and P. Marzola
Department of Morphological and Biomedical Sciences, Section of Anatomy and

January 2010

Poster
ISMRM-Benelux Chapter 2010, Brussel, Belgium

The influence of Lineshape and baseline quantification of in vivo Magnetic Resonance Spectroscopy (MRS) signals

M.I Osorio-Garcia(1), D.M Sima(1), **E. Mosconi(2)**, M. Pellitteri(2), F. Schio(2), R. Lodico(2), L. Zanetti(2), G. Van Luijtelaa(3), S. Fiorini(2), E. Nicolato(2), P. F. Fabene(2), P. Marzola(2), S. Van Huffel(1);

1) Dept. of Electrical Engineering (ESAT-SCD) -
Katholieke Universiteit Leuven, Belgium

2) Department of Morphological and Biomedical Sciences, University of Verona, Italy,
Donderd Inst. of Brain, Radboud University of Nijmegen, Netherlands

October 1st-4th 2009

EPOS Poster
ESMRMB (European Society of Magnetic Resonance in Medicine)- Antalya, Turkey, 2009,

In-vivo and ex-vivo investigations of fat deposits in mice of different ages

E. Mosconi¹, M. Fontanella¹, I. Scambi¹, E. Nicolato¹, S. Fiorini¹, P. Marzola¹, D.M. Sima², S.

Van Huffel², A. Sbarbati¹

¹University of Verona, Department of Neurological, Neuropsychological, Morphological and Movement Sciences,

Section of Anatomy and Histology, Strada Le Grazie 8, Verona, Italy

²ESAT, Katholieke Universiteit Leuven, Kasteelpark Arenberg 10, Leuven, Belgium

October 2009

Poster
AfN Chicago 2009 (Society for Neuroscience)

New evidences of a possible role of vascular alterations and cytokines in absence epilepsy

M. Pellitteri(1), F. Schio(1), R. Lodico(1), E. Nicolato(1), F. Boschi(1), G. Navarro Mora(1), A. Chakir(1), F. Merigo(1), **E. Mosconi(1)**, P. Marzola(1), R. Vastyanov(2), A.

Shandra(2), L. Godlevsky(2), A. Sbarbati(1), G. Van Luijtelaa(3), P. F. Fabene(1);

1)Dept. of Morphological and Biomed. Sci., Univ. of Verona, Verona, Italy;

2)Physiol. Dept., State Med. Univ., Odessa, Ukraine;

3)Donders Inst. for Brain, Radboud Univ. Nijmegen, Nijmegen, Netherlands

January 2009

Poster
GNSR-2009 (National group of RAMAN spectroscopy)

Vibrational and structural investigations of white adipose tissue

M. Giarola(1), B. Rossi(2), G. Mariotto(2), **E. Mosconi(3)**, M. Fontanella(3), I. Scambi(3), P. Marzola(3), A. Sbarbati(3),

^aDep od Computer Sciences , University of Verona

^b INFN, CRS-SOFT, c/o University of Rome "La Sapienza"

^cDSMB, University of Verona

Other Oral Contributions

November 19th-21st, 2010

Last FAST Plenary Meeting (*), Leuven, Belgium

Comparison study on simulated Lipidic MRS signals analysis

E. Mosconi¹, D.M.Sima², M. Fontanella¹, P. Marzola¹ and S. Van Huffel²

¹University of Verona, Department of Neurological, Neuropsychological, Morphological and Movement Sciences, Section of Anatomy and Histology, Strada Le Grazie 8, Verona, Italy

²ESAT, Katholieke Universiteit Leuven, Kasteelpark Arenberg 10, Leuven, Belgium

January 19th-21st 2010

FAST Plenary Meeting, Barcellona, Spain

Quantification techniques applied to oil and in-vivo lipid spectra: a comparison study

Elisa Mosconi^{*1}, Marco Fontanella^{*1}, Diana M. Sima², Sabine Van Huffel², Silvia Fiorini¹, Andrea Sbarbati¹, Pasquina Marzola³

¹ Magnetic Resonance Laboratory, DSNNMM, Section of Anatomy and Histology, University of Verona, Verona, Italy

² Department of Electrical Engineering (ESAT-SCD), Katholieke Universiteit Leuven, Leuven, Belgium

³ Department of Computer Sciences, University of Verona, Italy

Scientific formation

April 11th-15th, 2011

National Course “**Detectors and Electronics for High energy Physics, Astrophysics , Space Applications and Medical Physics**”
INFN National laboratories of Legnaro, Padua, Italy

March 2009 -November 2009

Visitor student
ESAT, Katholieke Universiteit Leuven, Leuven, Belgium

October 13th -16th , 2008

“International MRI/MRS User's Meeting”, Karlsruhe-Ettlingen
(Germany)

September 1st-4th, 2008

National Course “**Basic NMR**”, Turin, Italy

March-April 2008

National Course “**Image Registration**”, prof. Adrien Bartoli, Verona, Italy