

## **ALLEGATO A**

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di selezione per la chiamata a professore di II fascia da ricoprire ai sensi dell'art. 18, comma 1, della Legge n. 240/2010 per il settore concorsuale 05/F1,  
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## **Antonello Lorenzini** **CURRICULUM VITAE**

### **INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)**

COGNOME	LORENZINI
NOME	ANTONELLO
DATA DI NASCITA	[ 24, 02, 1971 ]

#### **Contact info**

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**(Updated at September 25<sup>th</sup> 2019)**

#### **Occupation**

Assistant Professor of Human Nutrition at the School of Pharmacy, Biotechnology and Exercise and Sport Science and at the School of Medicine,  
University Researcher (Ricercatore Confermato SSD BIO/10) at Department of Biomedical and Neuromotor Sciences,  
University of Bologna

#### **Education**

##### ***High School***

Scientific High School, Liceo Scientifico "Pacinotti" Diploma di Maturità Scientifica, 1989, graduation with 56/60.

##### ***Bachelor and Master***

- 1989-1995. University of Pisa (Italy), Bachelor plus Master in Biology (5 years program with subspecialty in Physiopathology). Thesis title "Impaired adaptive capacity of pancreatic endocrine function in aging: dexamethasone effect". Laurea (Graduated with full marks and distinction: 110/110 "summa cum laude"). Mentors: Dr Vincenzo De Tata, and Prof. Zina Gori; Laboratories of Prof. Ettore Bergamini.
- 1993 INPDAl student prize for high student records.
- 1995 Prize from University of Pisa for "summa cum laude" graduation.

### **PhD**

- 1995-2000 University of Bologna (Italy), Ph.D. in Biochemistry and Physiopathology of Aging. Thesis title "Modifications of lipid metabolism and their effects in two models of cellular aging". Mentor: Prof. PierLuigi Biagi, Dean: Prof. Claudio Marcello Caldarera.

### **Specialized courses attended**

- 1997 1<sup>st</sup> course of the International School on the Pathobiology of Aging, Pisa and Volterra (Italy).
  - 1998 2<sup>nd</sup> course of the International School on the Pathobiology of Aging, Urbino and Ancona (Italy).
  - 1999 3<sup>rd</sup> course of the International School on the Pathobiology of Aging, Pisa and San Miniato (Italy).
  - 2001 9<sup>th</sup> Annual Summer Training Course in Aging Research, San Antonio TX, (U.S.A.).  
<http://sageke.sciencemag.org/cgi/content/abstract/2002/4/ns2>
  - 2002 (September 24-27) Neuroendocrine systems and lifespan determination, Buck Institute Symposium 2002, Buck Institute, Novato, California (USA). (Recipient of scholarship covering registration fee, travel and accommodation)
  - 2009 1<sup>st</sup> International Summer School in Artificial General Intelligence, Xiamen, (China)
  - Bioinformatics course, University of Bologna, February 2-6, 2015 Bologna, Italy
  - Replacement: potential and prospects for the use of aquatic organisms for scientific purposes. Course organized by the Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna. Bologna 22-1-16
  - Neural Stem Cells: Development and Brain Repair, A course of the Neuroscience School of Advanced Studies. Venice, Island of San Servolo May 18 - 25, 2019
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### **Professional Experience**

- 1996-1997 **Science Teacher** at a Bologna High School (Lindbergh Flying School) teaching: biology, geography, astronomy and earth sciences.
- 1998-2004 **Post-Doctoral Fellow** at the Lankenau Institute for Medical Research, Philadelphia, PA (U.S.A.). Principal Investigator: Vincent Cristofalo PhD.
- 2004-2006 **Scientist** at the Lankenau Institute for Medical Research, Wynnewood, Philadelphia, PA (U.S.A.).
- 2005-2007 **Research Associate** at Drexel University College of Medicine, Philadelphia, PA (U.S.A.).
- 2007-present, **Assistant Professor** (Ricercatore Universitario). Bologna University (Italy)
- 2009 – present, **Coordinator** of EU Intensive programmes, Bologna University (Italy), more details in *other titles* section.

### **Honors, Awards, Recognition and Qualifications**

- 2000-2002 Churchman Postdoctoral Award. Recipient of a competitive Postdoctoral fellowship, Lankenau Institute for Medical Research. Wynnewood, Philadelphia, PA (U.S.A.).
- National Scientific Qualification in Applied Biology (ASN, Settore Concorsuale 05/F1 - II Fascia- BIOLOGIA APPLICATA) Qualified from 04/04/2017 to 04/04/2023.
- National Scientific Qualification in Comparative Anatomy and Cytology (ASN, Settore Concorsuale 05/B2- II Fascia- ANATOMIA COMPARATA E CITOLOGIA) Qualified from 2012 to 2018.
- National Scientific Qualification in Comparative Anatomy and Cytology (ASN, Settore Concorsuale 05/B2- II Fascia- ANATOMIA COMPARATA E CITOLOGIA) Qualified from 2013 to 2019.

### **Academic Activities:**

- Member of the tutor's bulletin board of the Collegio Superiore of the Institute of Studi Superiori (from 2016)
- Member of the proposing committee for the Master in "Trattamento Integrato dei Disturbi del Comportamento Alimentare e dell'Immagine Corporea" Direttore Prof.ssa Atti. This master is the result of a collaboration between Accademia delle Scienze della Nutrizione (ASNU), and the University of Bologna.

### **"15 minutes of fame"**

Interviews by Sveva Sagramola on Italian national television (GEO, Rai 3):  
"Blue Cheeses and the nutritional French Paradox" on 19-1-15.  
"Nutritional qualities of berries" on 25-02-15.  
"Office lunch" on 15-4-15.

### **Past and present participation in Scientific Societies**

SIB: Italian Biochemistry Society

AGE: American Aging Association

**Peer Review Activities:**

- Specialty Chief Editor for *Frontiers in Endocrinology (Endocrinology of Aging section)*, 2013 – Present.
- Editorial board member for *Journal of Aging Research (Hindawi)* 2016 – Present
- Editorial board member for *Biogerontology*, 2016 – Present (Impact Factor 3.252)
- Editorial board member for *Mechanism of Ageing and Development*, 2016 – 2017 (Journal Impact Factor 2015, 3.397)
- Editorial board member for *Endocrinology & Diabetes Research*, 2015 – 2016.
- Editorial board member for *Oxidative Medicine and Cellular Longevity*, 2018 – Present. (Journal Impact Factor 2016, 4.593)

Scientific Journals, ad hoc reviewer:

- *Aging Cell*
- *Aging NY*
- *BioMed Research International*
- *Current Aging Science*
- *Frontiers in Genetics*
- *International Journal of Molecular Sciences*
- *Journal of Gerontology: Biological Sciences*
- *Oncotarget*
- *Oxidative Medicine and Cellular Longevity*
- *Plos One*
- *Public Health*
- *Redox Biology*
- *Rejuvenation Research*
- *Seminars in cell and developmental biology*
- *The Journal of Urology*
- Seminars in Cell and Developmental Biology*

**Evaluator role**

- Grant Review Activity for University of Rome Tor Vergata internal call “Consolidate the Foundations” July 23<sup>rd</sup> 2015.
- Equality Impact Assessment: “walking leader” course proposal of the Servizio Sanitario Regionale dell’Emilia Romagna, a section of the project “Datti una mossa!” July 2<sup>nd</sup> 2016, Bologna.

**Participation in Scientific Committees:**

- “ACTIVE HEALTHY AGING” Sports Science and Neuroscience International Conference, 2nd-5th September 2015, Magdeburg, Germany.
- Poster Evaluator: Meeting of the American Aging Association, Philadelphia US, 2018.
- Poster Evaluator: 14<sup>th</sup> International Symposium on Neurobiology and Neuroendocrinology of Aging, Bregenz Austria, 2018.
- Poster Evaluator: Aging and Rejuvenation Conference, Rome Italy, 2018.
- Abstracts Reviewer for the IAGG-ER (International Association of Gerontology and Geriatrics European Region) congress, 2019, May 23-25 in Gothenburg, Sweden
- Conference session chair: 1<sup>st</sup> International conference on Neuroprotection by Dugs, Nutraceutical and Physical Activity. June 6-7, 2019 Rimini, Italy.
- Conference session chair: International Conference on Nutrition, Obesity and Food Technology-2019 July 22-24, 2019, Rome, Italy

**Internal Sponsor** for recipients of Institute of Advanced Studies (ISA) Fellowship:

- Christian Sell
- Claudio Torres

**Business consultant**

- Unpaid consultant for the Application EdoApp (Cesena, Italy)
- Paid consultant for McDonald's Corporation, (Chicago, Illinois, U.S)
- Paid consultant for Alfasigma (Bologna, Italy)

### **Other responsibilities**

- Student thesis: supervisor for around 60 and co-supervisor or supervisor for around 10 Bachelor or Master thesis in the Schools of Exercise and Sport Science, Biology and Pharmacy.
- 2007-2012 Coordinator of the animal facility of the Biochemistry Department "Moruzzi", University of Bologna

### **Popular science activities:**

- Answer to thinkable.org on "aging is avoidable?".
- Notte dei Ricercatori (Bologna, Italy) Biologia della Longevità e dell'Immortalità, Set. 25th 2015

### **Projects/Funding**

2000-2002 Churchman Postdoctoral Award, Recipient of a competitive Postdoctoral fellowship covering salary for 2 years, Lankenau Institute for Medical Research. Wynnewood, Philadelphia, PA (U.S.A.).

#### **Coordinator of a EU Intensive programme EduSport (2009, 2010, 2011, 2012, 2013)**

Coordinator since 2009 of the International Summer School on healthy life style supported mainly by a European Union Erasmus grant of the Italian Life Long Learning Programme Agency.

The Coordinator is responsible for writing the annual application to the relative EU Agency and for managing the project. This type of projects, that in the EU terminology are called Intensive Programme, are supported by a competitive grant system.

The total founding received and administered is over 250 000 euro.

Each edition see the participation of 50 to 100 among students and professors for a minimum duration of 10 tuition days with the collaboration of:

Berzsenyi Dániel College, Szombathely, Hungary;

JH Joanneum, University of Applied Sciences, Bad Gleichenberg, Austria;

University School of Physical Education, Poznan, Poland;

Telemark University College, Norway;

Otto-von-Guericke University ISPW, Magdeburg, Germany;

University of Alicante, Alicante, Spain;

University of Valencia General Study, Valencia, Spain;

Lithuanian Academy of Physical Education, Kaunas, Lithuania;

Masaryk University, Brno, Czech Republic;

J.A. Komenski State School of Higher Vocational Education in Leszno, Poland;

and other Universities depending from the edition.

An interview about this project is available at: <https://www.youtube.com/watch?v=tQr3lBuW4gE>

#### **Coordinator of a EU Intensive programme Next Generation Leaders in Biology of Ageing (2014)**

A two weeks summer school dedicated to PhD students involved on ageing research. Thirty students and fifteen teachers and experts have participated to this programme promoted by the University of Bologna and supported by a LLP Erasmus grant from the EU of about 40 000 Euro. Collaborating Universities:

Vrije Universiteit Amsterdam, Netherlands.

Aarhus University, Denmark

Universiteit Leiden, Netherlands

Universität Rostock, Germany

Romania University of Medicine and Phar. of Craiova, Romania

Leopold-Franzens-Universität Innsbruck, Austria

University of Nottingham, United Kingdom

Universität Konstanz, Germany

Web site: <http://bioageing.unibo.it/>

**Italian Coordinator** "Understanding Longevity Ensuring Mechanisms by Comparing the Genetic Stability of Different Mammalian Species", funding for a two years stay, plus research funding for a visiting PhD Student by The Egyptian Office of Cultural and Educational Relations of the Italian Embassy of the Arab Republic of Egypt. (2017-2018-2019)

#### **Partecipation in competitive grant not as coordinator**

- Co-participant in the NIH Grant R01 AG20955 - Principal Invesitagator Vincent J Cristofalo in role of PostDoc (initially) and Scientist (later). Project Title "Regulation of The MAP Kinase Pathway In Senescence ".

from 09/30/2001 to 08/31/2006

- Co-participant in the NIH Grant R01 AG022443 - Principal Investigator Christian Sell, in the role of Research Associate. Project title "Role of IGF-1 in Modulation of Longevity".

from 09/30/2005 to 30-06-2010

- Participant in the 2007 PRIN Project with Scientific Coordinator Giorgio Cantelli Forti and title "Sulforafane's protective role with regard to the neurogeneraual damage caused by oxidative stress" in the role of University Researcher.

from 22-09-2008 to 10-20-2010

- Member of a research group with PI: Dr ML Genova in a grant sponsoring a "PhD Fellowship" from the Université Franco Italienne (2018-2020)

#### Invited seminars

- **"The relationship between replicative senescence *in vitro* and aging *in vivo*: a comparative analysis"** at the Department of Biochemistry "G. Moruzzi", University of Bologna, (Italy) July 6, 2004.

- **"The relationship between replicative senescence *in vitro* and aging *in vivo*: a comparative analysis"** at the Medical School of Pisa University, (Italy) July 14, 2004.

- **"A Comparative Approach to Cell Culture to Study Longevity Assuring Mechanisms"** at the Claude D. Pepper Older Americans Independence Center Investigators Meeting, Special Lecture Series; Sealy Center on Aging. University of Texas Medical Branch, Galveston TX, (USA), November 1<sup>st</sup>, 2006

- **"Longevity and genome stability across mammals"** The Corriell Institute, Camden, New Jersey (USA) January 2007.

- **"Nutritional role of Bread"** (in Italian) in a WHO and FAO sponsored meeting on bread. Association of Bologna bread makers, Bologna (Italy) Nov, 11, 2007 (lecture)

- **"DNA damage and Aging"** (In Italian), Conferenze "Pacinotti per la Scienza" Incontri con ex studenti organizzati dal Liceo Scientifico Pacinotti di La Spezia, La Spezia, (Italy) 23 January, 2010. Available on the web at:

[http://www.youtube.com/watch?v=Cjui3E\\_XEzs](http://www.youtube.com/watch?v=Cjui3E_XEzs)

#### Lectures and Oral presentations at scientific meetings

- **"Role of the Raf/MEK/ERK and the PI3K/Akt(PKB) pathways in fibroblast senescence"**. Biological Aging, 2<sup>nd</sup> Euro Conference on Normal Ageing, Longevity and Age-related Diseases. Spetses, (Greece), May 18-22. 2002 (selected oral presentation).

- **"Lipids: why we should not fear them"** (In Italian), Italian Society for Human Nutrition (SINU) - Italian Biochemical Society (SIB), Incontro di Studio Congiunto, Cesena, (Italy), May 31-June 1. 2007 (invited oral presentation)

- **"Correlation of Species Longevity with DNA Double Strand Break-Recognition"**.

Riunione Societa' Italiana di Biologia Sperimentale (SIBS) 3-31-2008, Facoltà di Medicina Veterinaria, Ozzano dell'Emilia, Bologna, (Italy) (oral presentation)

- **"EduSport international summer school 2008"** International Network on Sport and Health Sciences, 4th Convention Bad Gleichenberg (Austria) 31-Jan, 1-Feb-2008 (oral presentation)

- **"Dietary Restriction and Aging"** San Marino Symposium on "La Sindrome Metabolica: effetto della nutrizione e dell'esercizio fisico". 19-20 aprile 2008, San Marino (San Marino) (oral presentation)

- **"EduSport international summer school 2009"** International Network on Sport and Health Sciences, 5th Convention, Cardiff, Wales, (U.K.) 21 – 23 January 2009 (oral presentation)

- **"EduSport international summer school 2010"** International Network on Sport and Health Sciences, 6th Convention, Telemark, (Norway) 06-09/10/2010 (oral presentation)

- **"Child Obesity - 7 days for my health"** International Network on Sport and Health Sciences, 6th Convention, Telemark, (Norway) 06-09/10/2010 (oral presentation)

- **"Earth 3.0: for a sustainable lifestyle"** (in Italian). Primo convegno Nazionale ASAS, Bologna (Italy) 6 Novembre 2010. (invited lecture)

- **"EduSport international summer school 2012"** International Network on Sport and Health Sciences, 8th Convention, March, 21-25 2012, Opatija, (Croatia) (oral presentation)

- **"Life style influence on health span: the role of nutrition"** International Symposium: A Child in Motion for Healthy Aging, Koper, (Slovenia), 5 ottobre 2012 (lecture)

- **"Unaware lifestyle and health risks"** (In Italian) Secondo convegno Nazionale ASAS su Alimentazione e attività motoria: i capisaldi per la salute di una società inconsapevole, Rimini, (Italy) 20 Ottobre, 2012. (invited lecture)

- **"Comparative biology of genotoxic stress resistance"** 8th Forum on Oxidative Stress and Aging, Bologna (Italy) June 12th-14th 2013 (Invited lecture)

- **"Comparative biology of genotoxic stress resistance"**, (in Italian) Meeting of the Bologna Biochemistry School. Giornata di incontro della Scuola Bolognese di Biochimica. Bologna, 5 luglio 2013. (oral presentation)
- **"Unaware lifestyle and health risks"** (in Italian) Terzo convegno Nazionale ASAS su Alimentazione e attività fisica per promuovere la salute: il benessere è nelle nostre mani, Piacenza (Italy) 25-26 Ottobre, 2013. (invited lecture)
- **"A cell culture comparative biology approach to study mechanisms of genome stability and their relevance for species longevity: a newer interpretation of DNA damage induced nuclear foci."** 13<sup>th</sup> FISV Congress, Pisa, Italy, September 24-27, 2014 (Abstract published in conference publication, O5.2 page 52) (selected oral presentation)
- **"How much should children and adults weigh?"** Key Note speaker at the 8<sup>th</sup> International Conference "A child in motion: kinesiology path of health", Grand Hotel Bernarding, Portoroz, Slovenia, October 2nd-4<sup>th</sup>, 2014. (invited lecture)
- **"Comparative Biology of Longevity: insights from cell culture studies on genomic stability"**. Asian Aging Core for Longevity Conference "2006-2015, 10 years and Beyond". March 10-13, 2015. Osaka, Japan (Invited plenary lecture)
- **"mTOR in signaling of aging and longevity"** Open Discussion Forum of the Asian Aging Core for Longevity (AACL) with Kunihiko Yasuda at The Nara International Seminar House, March 11, 2015, Nara Park, Nara, Japan
- **"Comparative Biology of Longevity: insights from cell culture studies on genomic stability"**. The 6<sup>th</sup> Nagasaki-Hallym Joint Meeting on Neurobiology and Brain Aging, March 16, 2015. Nagasaki, Japan (Invited lecture)
- **"Genomic stability in the evolution of body size and longevity"**. The Future of Ageing. 10<sup>th</sup> European Congress of Biogerontology and 6<sup>th</sup> Biogerontological Meeting at the Nencki Institute Warsaw, Poland, September 23-24 2016 (Invited lecture).
- **"Convergent evolution of longevity at the cellular level"**. American Aging Association 47th Annual Meeting. June 27-July 1st 2018, Philadelphia, USA.
- **"Convergent evolution of longevity at the cellular level"**. 14th International Symposium on the Neurobiology and Neuroendocrinology of Aging. Bregenz, Austria, July 15-20, 2018.
- **"A pro-longevity role for cellular senescence"** Aging and Rejuvenation Conference, September 10-12 2018, Rome, Italy (invited presentation).
- **"Obesity May Accelerate Aging"** International Conference on Nutrition, Obesity and Food Technology-2019 July 22-24, 2019, Rome, Italy (invited presentation)

#### **Lectures inside short courses, workshops, round tables and other events with multiple speakers**

- **"Aging Physical Activity and Sedentariety"** 3° Corso Girolamo Mercuriale: Apparato Cardiovascolare e Attività Fisica, Riccione (Italy), 7-9 novembre 2008.
- **"The correct Nutrition for the sportive person"** (In Italian), Inside the Course "Corso base di Nutrizione Umana, la biologia dell'alimentazione e la gestione della pratica sportiva, aspetti biochimici, fisiologici e psicologici" Bologna (Italy) 21-4-2012.
- **"Nutraceutical"** (In Italian) inside a seminar dedicated to health professionals (Seminario formativo per la prescrizione e somministrazione di una dose di esercizio fisico e di un programma di educazione alimentare monitorata, Rimini, (Italy) 30 Novembre - 1 Dicembre 2012
- **"The role of overweigh in oncogenesis"** (In Italian) lecture inside the course intitled "Role of nutrition in the prevention of tumors" (L'Alimentazione nella Prevenzione dei Tumori) for Nutritionists, Bologna, (Italy) 9 marzo 2013
- **"How Much Should We Weigh for a Long and Healthy Life Span?"** and **"Caloric restriction, physical activity and longevity"** Workshop Kinesiology of ageing, University of Primorska, Koper, Slovenia, October 2<sup>nd</sup> 2014.
- **Attività fisica: elisir di lunga vita.** A lecture part of the symposium HEALTHY AGEING: "il futuro della longevità". Project sponsored by the association "Donne e Tecnologie". Milano, Italy. July 1<sup>st</sup>, 2015. See more at: <http://www.ewgf.eu/evento/healthy-ageing-%E2%80%99Cil-futuro-della-longevit%C3%A0%E2%80%9D>
- **"Healthy Style in healthy body"** (in Italian: Stile sano in corpo sano) Round table together with colleagues Alessandro Bortolotti and Anna Rita Atti for Bologna citizens organized in occasion of the event "the Night of Researchers" 25, September 2015, Bologna, (Italy).
- **"Guess my age? A tour inside the biology of longevity and of immortality"** (In Italian), a presentation inside the event "The night of Researchers" 25, September 2015, Bologna, Italy.
- **Nutrition and correct life styles** (Nutrizione e corretti stili di vita) presentation inside the event "Cancer and Nutrition" (Cancro e Alimentazione) in Italian; December 12<sup>th</sup> 2015 Meeting with Citizenship organized by Alliance Farmacie Comunali, Teatro degli Atti di via Cairoli, December 12th 2015, Rimini, Italy.
- **"Nutrition and correct life styles"** a presentation inside the round table "Correct Information at the base for an healthy nutrition for the youth" (In Italian: "Una corretta informazione alla base di una sana alimentazione per i giovani") Scuole Manzoni December 14th 2015, Bologna Italy. <http://www.scuolemanzoni.it/10-la-nostra-scuola/143-una-corretta-informazione-alla-base-di-una-sana-alimentazione-per-i-giovani>
- **"Gli elisir di lunga vita"** lecture in Italian inside the conference "Sport e Stili di vita per le giovani generazioni", an event part of RiminiWellness, 3rd June, 2016, Rimini Fiera, Rimini.

- **"L'importanza della rete e il ruolo dell'Università di Bologna nell'area del welfare."** Presentazione in qualità di delegato del Rettorato all'evento "Soluzioni per una vita in salute". 26 Novembre 2016, Bologna. Breve video dell'evento disponibile a: <https://www.youtube.com/watch?v=CoUS9ZfZRzQ>
- **"Influenza della dieta sulla infiammazione alimenti funzionali e nutraceutici"** presentazione all'interno della giornata: Il controllo integrato della infiammazione in parodontologia: alimenti funzionali, nutraceutici e fitoterapia. Bologna 28 ottobre 2017. <http://www.aiditalia.it/wp-content/uploads/2017/06/brochure-finale-AIDI-ER-28-ottobre.pdf>
- **La valutazione dello stile di vita nei bambini e negli adulti, Dr. Antonello Lorenzini e Dr.ssa Laura Dallolio** (Biochimica e Igiene, DIBINEM) all'interno della Tavola Rotonda "PROMOZIONE, VALUTAZIONE e MONITORAGGIO DELLO STATO DI SALUTE" incontri per *Le prospettive della ricerca del DIBINEM* -2018-19, Giovedì 13/12/2018, Bologna, Italy.
- Session chair at the 1st **International Conference on Neuroprotection** 2019, 6-7, June 2019, Rimini, Italy.

## **Teaching**

### **Teaching at the University of Bologna, Italy**

#### ***Academic year 2007-2008 (total teaching hours 48)***

- 40208 - NUTRIZIONE CLINICA APPLICATA ALL'ATTIVITA MOTORIA **(16 hours)**  
Corso di laurea Scienze motorie (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Polo di Rimini
- 17821 - SCIENZA DELL'ALIMENTAZIONE E NUTRIZIONE UMANA **(32 hours)**  
Corso di laurea Scienze motorie (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Polo di Rimini

#### ***Academic year 2008-2009 (total teaching hours 48)***

- 57113 - BIOLOGIA APPLICATA **(32 hours)**  
Corso di laurea Dietistica (Bachelor degree in Exercise and Sport Science)  
Facoltà Medicina e Chirurgia
- 40208 - NUTRIZIONE CLINICA APPLICATA ALL'ATTIVITA MOTORIA **(16 hours)**  
Corso di laurea Scienze motorie (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Polo di Rimini
- Lezione "Attività fisica, restrizione calorica, stress metabolico e sirtuine: stiamo andando verso la pillola dell'eterna giovinezza? Parte 1°" tenuta il 21/5/09 all'interno del corso "Aggiornamenti di Biochimica metabolica dell'esercizio" (7-28 maggio 2009). Corso della Scuola di Dottorato in SCIENZE BIOLOGICHE, BIOMEDICHE E BIOTECNOLOGICHE sezione di: SCIENZE DELLO SVILUPPO E DEL MOVIMENTO UMANO.

#### ***Academic year 2009-2010 (total teaching hours 96)***

- 40208 - NUTRIZIONE CLINICA APPLICATA ALL'ATTIVITA MOTORIA **(16 hours)**  
Corso di laurea Scienze motorie (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Polo di Rimini
- 40208 - NUTRIZIONE CLINICA APPLICATA ALL'ATTIVITA MOTORIA **(16 hours)**  
Corso di laurea Scienze motorie (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Bologna
- 36495 - NUTRIZIONE E SALUTE **(24 hours)**  
Corso di laurea Scienze e tecniche dell'attività motoria preventiva e adattata (Master degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Bologna
- 24234 - NUTRIZIONE UMANA **(40 hours)**  
Corso di laurea Attività motorie per il benessere ed il tempo libero  
Laurea (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Polo di Rimini

#### ***Academic year 2010-2011 (total teaching hours 64)***

- 36495 - NUTRIZIONE E SALUTE **(24 hours)**  
Corso di laurea Scienze e tecniche dell'attività motoria preventiva e adattata  
Laurea Magistrale (Master degree in Exercise and Sport Science)  
Facoltà Scienze Motorie
- 24234 - NUTRIZIONE UMANA **(40 hours)**



Corso di laurea Attività motorie per il benessere ed il tempo libero  
Laurea (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Polo di Rimini

**Academic year 2011-2012 (total teaching hours 126)**

- 24234 - NUTRIZIONE UMANA (48 hours)

Corso di laurea Scienze delle attività motorie e sportive (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Bologna

- 24234 - NUTRIZIONE UMANA (24 hours)

Corso di laurea Attività motorie per il benessere (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Polo di Rimini

- 65667 - FISILOGIA E NUTRIZIONE NELLO SPORT (18 hours)

Corso di Laurea in Scienze e tecniche dell'attività sportiva  
Laurea Magistrale (Master degree in Exercise and Sport Science)

- ALIMENTAZIONE E NUTRIZIONE UMANA (30 hours)

Specialization School in Hygiene and Preventive medicine, School of Medicine and Surgery (Scuola di Specializzazione in Igiene e Medicina Preventiva, Facoltà di Medicina e Chirurgia)

- Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (4 hours)

University Master for graduate students (Master Universitario di II livello),  
School of Medicine and Surgery (Facoltà Medicina e Chirurgia)

- Tuition inside the course of Human Biodiversity nutrition and health (course of Professor Donata Luiselli for Biology students BIODIVERSITA' UMANA, NUTRIZIONE, SALUTE) (2h) lecture on Caloric Restriction May 9<sup>th</sup> 2011

**Academic year 2012-2013 (total teaching hours 118)**

- 70711 - NUTRIENTI, FABBISOGNI NUTRIZIONALI E DI ENERGIA E STATO DI SALUTE (8 hours)

Corso di laurea Medicina e chirurgia (Master degree in Medicine)  
Facoltà Medicina e Chirurgia

- 24234 - NUTRIZIONE UMANA (48 hours)

Corso di laurea Scienze delle attività motorie e sportive (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Bologna

- 24234 - NUTRIZIONE UMANA (32 hours)

Corso di laurea Attività motorie per il benessere (Bachelor degree in Exercise and Sport Science)  
Facoltà Scienze Motorie - Polo di Rimini

- 65667 - FISILOGIA E NUTRIZIONE NELLO SPORT (18 hours)

Corso di Laurea in Scienze e tecniche dell'attività sportiva  
Laurea Magistrale (Master degree in Exercise and Sport Science)

- Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (12 hours)

University Master for graduate students (Master Universitario di II livello),  
School of Medicine and Surgery (Facoltà Medicina e Chirurgia)

**Academic year 2013-2014 (total teaching hours 94)**

- Tuition inside the course of Human Biodiversity (course of Professor Donata Luiselli for Biology students) 2h lecture on Caloric Restriction May 9<sup>th</sup> 2014

- 70711 - NUTRIENTI, FABBISOGNI NUTRIZIONALI E DI ENERGIA E STATO DI SALUTE. School of Medicine (8h)

24234 - NUTRIZIONE UMANA Course in Exercise and Sport science (24h)

72704 - NUTRIZIONE E FARMACOLOGIA NELLO SPORT

2ns cycle course in Exercise and Sport Science (24h)

24234 - NUTRIZIONE UMANA

For the course Physical activity for the Well-being Rimini Campus (24h)

Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (12 hours)

University Master for graduate students (Master Universitario di II livello),  
School of Medicine and Surgery (Facoltà Medicina e Chirurgia)

**Academic year 2014-2015 (total teaching hours 68)**

- 70711 - NUTRIENTI, FABBISOGNI NUTRIZIONALI E DI ENERGIA E STATO DI SALUTE. School of Medicine (8h)

24234 - NUTRIZIONE UMANA Course in Exercise and Sport science (24h)

72704 - NUTRIZIONE E FARMACOLOGIA NELLO SPORT

2ns cycle course in Exercise and Sport Science (24h)

Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (12 hours)



University Master for graduate students (Master Universitario di II livello),  
School of Medicine and Chirurgy (Facoltà Medicina e Chirurgia)

**Academic year 2015-2016 (total teaching hours 68)**

- 70711 - NUTRIENTI, FABBISOGNI NUTRIZIONALI E DI ENERGIA E STATO DI SALUTE. School of Medicine (8h)

24234 - NUTRIZIONE UMANA Course in Exercise and Sport science (24h)

72704 - NUTRIZIONE E FARMACOLOGIA NELLO SPORT

2ns cycle course in Exercise and Sport Science (24h)

Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (12 hours)

University Master for graduate students (Master Universitario di II livello),  
School of Medicine and Chirurgy (Facoltà Medicina e Chirurgia)

**Academic year 2016-2017 (total teaching hours 68)**

70713 - STILE DI VITA E PRINCIPI DI DIETETICA. School of Medicine (8h)

24234 - NUTRIZIONE UMANA Course in Exercise and Sport science (24h)

72704 - NUTRIZIONE E FARMACOLOGIA NELLO SPORT

2ns cycle course in Exercise and Sport Science (24h)

Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (12 hours)

University Master for graduate students (Master Universitario di II livello),  
School of Medicine and Chirurgy (Facoltà Medicina e Chirurgia)

**Academic year 2016-2017 (total teaching hours 94)**

85366 - BIOLOGY OF LONGEVITY AND HEALTHY LIFESTYLES – (18h) 3 cfu

Componente del corso integrato AGING AND HEALTHY LONGEVITY C.I.

Insegnamento in Inglese — Campus di Rimini

Laurea Magistrale in Wellness culture: sport, health and tourism

85030 - NUTRIZIONE UMANA – (48h) 6 cfu

Componente del corso integrato BIOCHIMICA E NUTRIZIONE UMANA C. I.

Laurea in Scienze delle attività motorie e sportive

70713 - STILE DI VITA E PRINCIPI DI DIETETICA – (8h) 1 cfu

Componente del corso integrato ALIMENTI, ALIMENTI FUNZIONALI E VITAMINE: PROSPETTIVE DI DIETETICA PREVENTIVA C.I.

Laurea Magistrale a ciclo unico in Medicina e chirurgia

86607 - Invecchiamento, longevità e salute – (8h) coordinatore di un corso da 4 cfu

Insegnamento Collegio Superiore

Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (12 hours)

University Master for graduate students (Master Universitario di II livello),

School of Medicine and Chirurgy (Facoltà Medicina e Chirurgia)

Tuitions inside the Master in Nutraceutici, Fitoterapici ed Integratori Alimentari (8h)

University Master for graduate students (Master Universitario di II livello),  
School of Pharmacy

**Academic year 2017-2018 (total teaching hours 100)**

85366 - BIOLOGY OF LONGEVITY AND HEALTHY LIFESTYLES - (18h) 3 cfu

Componente del corso integrato AGING AND HEALTHY LONGEVITY C.I.

Insegnamento in Inglese – Campus di Rimini

Laurea Magistrale in Wellness culture: sport, health and tourism

85030 - NUTRIZIONE UMANA - (48h) 6 cfu

Componente del corso integrato BIOCHIMICA E NUTRIZIONE UMANA C. I.

Laurea in Scienze delle attività motorie e sportive

70713 - STILE DI VITA E PRINCIPI DI DIETETICA - (8h) 1 cfu

Componente del corso integrato ALIMENTI, ALIMENTI FUNZIONALI E VITAMINE: PROSPETTIVE DI DIETETICA PREVENTIVA C.I.

Laurea Magistrale a Ciclo Unico in Medicina e chirurgia

86607 - INVECCHIAMENTO, LONGEVITÀ E SALUTE - (6h) 4 cfu

Collegio Superiore

Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (12 hours)

University Master for graduate students (Master Universitario di II livello),

School of Medicine and Chirurgy (Facoltà Medicina e Chirurgia)

Tuitions inside the Master in Nutraceutici, Fitoterapici ed Integratori Alimentari (8h)

University Master for graduate students (Master Universitario di II livello),

## School of Pharmacy

### **Academic year 2018-2019 (total teaching hours 100)**

84297 - BIOCHEMISTRY OF NUTRITION – (16h) 2 cfu

Componente del corso integrato GASTROINTESTINAL SYSTEM, NUTRITION, AND METABOLISM (I.C.)  
Insegnamento in Inglese

Laurea Magistrale a Ciclo Unico in Medicine and surgery

85366 - BIOLOGY OF LONGEVITY AND HEALTHY LIFESTYLES - (18h) 3 cfu

Componente del corso integrato AGING AND HEALTHY LONGEVITY C.I.

Insegnamento in Inglese – Campus di Rimini

Laurea Magistrale in Wellness culture: sport, health and tourism

85030 - NUTRIZIONE UMANA - (30h) 6 cfu

Componente del corso integrato BIOCHIMICA E NUTRIZIONE UMANA C. I.

Laurea in Scienze delle attività motorie e sportive

70713 - STILE DI VITA E PRINCIPI DI DIETETICA - (8h) 1 cfu

Componente del corso integrato ALIMENTI, ALIMENTI FUNZIONALI E VITAMINE: PROSPETTIVE DI DIETETICA PREVENTIVA C.I.

Laurea Magistrale a Ciclo Unico in Medicina e chirurgia

89474 - BIOLOGIA DELL'INVECCHIAMENTO E DELLA LONGEVITA' – (8h) 1 cfu

Collegio Superiore

Tuitions inside the Master in NUTRITION ED HEALTH EDUCATION (12 hours)

University Master for graduate students (Master Universitario di II livello),

School of Medicine and Chirurgy (Facoltà Medicina e Chirurgia)

Tuitions inside the Master in Nutraceutici, Fitoterapici ed Integratori Alimentari (8h)

University Master for graduate students (Master Universitario di II livello),

School of Pharmacy

### **University level Teaching abroad**

#### **Teaching at Thomas Jefferson University, Philadelphia, U.S.A**

##### **Academic year 2007-2008**

- Topics in Biomedical Chemistry.

Graduate level course offered by Jefferson Graduate School of Biomedical Science (6 hours)

#### **Teaching at University of Primorska, Koper, Slovenia**

##### **Academic year 2014-2015**

Caloric restriction, physical activity and longevity (October 1<sup>st</sup>, 2014, 6h)

#### **Teaching at Masaryk University, Brno, Czech Republic**

##### **Academic year 2014-2015**

##### **Course in Regeneration and Nutrition in Sport (1<sup>st</sup> and 2<sup>nd</sup> year students)**

How much should we weigh for a long and healthy life span? (October 20<sup>th</sup>, 2014, 1h30min.)

Guidelines in Sport Nutrition (October 20<sup>th</sup>, 2014, 45min.)

#### **Teaching at University of Primorska, Koper, Slovenia**

##### **Academic year 2017-2018**

Guidelines in Sport Nutrition (March 1<sup>st</sup>, 2018, 5h)

Caloric Restriction and Longevity (March 2<sup>st</sup>, 2018, 5h)

### **Teaching in no-University courses:**

Teaching at the School of "NUTRITION AND SUPPLEMENTS IN SPORTS" Sa.N.I.S. (Scuola di Nutrizione ed Integrazione nello Sport), Rimini, Italy

##### **Academic year 2011-2012**

- total tuitions inside the 2011-12 course (4,5 hours)

Teaching on "Nutraceutical" inside a short course entitled "Training seminar for the prescription and administration of a dose of exercise and a nutritional educational program". Original title in Italian: lesson on "Neutraceutici" in the course: "Seminario formativo per la prescrizione e somministrazione di una dose di esercizio fisico e di un programma di educazione alimentare monitorata"

RIMINI 2012 (1h)

## **Scientific Production**

### **Books edited**

Life Span Extension: from single cell organism to man.

EDITED BY: Sell, Christian; **Lorenzini, Antonello**; Brown-Borg, Holly M.

HUMANA PRESS, Aging Medicine Series. (Eds.) 2009

Book Distribution: Since its online publication on Aug 25, 2009, up to June 2013 there has been a total of **1560** chapter downloads on SpringerLink

Principi di nutrizione - Nutrizione per lo sport VOLUME 1

EDITED BY: Biagi - Di Giulio - Fiorilli – **Lorenzini**

Casa Editrice Ambrosiana, Edizione: 2010

Alimentazione per lo Sport e la Salute - Nutrizione per lo sport VOLUME 2

EDITED BY: Biagi - Di Giulio - Fiorilli – **Lorenzini**

Casa Editrice Ambrosiana, Edizione: 2010

### **Encyclopedia entry**

Tresini, M, **Lorenzini A**, Pignolo, R. Cristofalo V.J.

Senescence and Transformation, pages 1057-1062

In *The Encyclopedia of Aging*, Springer Publishing Company, New York. 4th edition (February 1, 2006)

### **Book Chapters:**

#### **A. Lorenzini**

Nutrizione: sfide moderne per una Scienza antica, Chapter 1 in Principi di nutrizione - Nutrizione per lo sport VOLUME 1 EDITED BY: Biagi - Di Giulio - Fiorilli – **Lorenzini**

Casa Editrice Ambrosiana, Edizione: 2010

#### **A. Lorenzini**

Alimentazione nei diversi periodi della vita, Chapter 18 in Principi di nutrizione - Nutrizione per lo sport VOLUME 1

EDITED BY: Biagi - Di Giulio - Fiorilli – **Lorenzini**

Casa Editrice Ambrosiana, Edizione: 2010

#### **A. Lorenzini e M. Matteoni**

Alimenti OGM e Fitoterapia, Chapter 7 in Alimentazione per lo Sport e la Salute - Nutrizione per lo sport VOLUME 2,

EDITED BY: Biagi - Di Giulio - Fiorilli – **Lorenzini**

Casa Editrice Ambrosiana, Edizione: 2010

#### **A. Lorenzini e A. Vicino**

Allergie e Intolleranze Alimentari, Chapter 12 in Alimentazione per lo Sport e la Salute - Nutrizione per lo sport VOLUME 2, EDITED BY: Biagi - Di Giulio - Fiorilli – **Lorenzini**

Casa Editrice Ambrosiana, Edizione: 2010

#### **A. Lorenzini**

Invecchiamento e stile di vita, Chapter 13 in Alimentazione per lo Sport e la Salute - Nutrizione per lo sport VOLUME 2,

EDITED BY: Biagi - Di Giulio - Fiorilli – **Lorenzini**

Casa Editrice Ambrosiana, Edizione: 2010

## **A. Lorenzini**

Il metabolismo e la sua regolazione, Capitolo 14 in Biochimica per le Scienze Motorie – EDITED BY: Di Giulio – Fiorilli – Stefanelli

Casa Editrice Ambrosiana, Edizione: 2011

## **A. Lorenzini and A.B. Maier**

Influence of donor age and species longevity on replicative cellular senescence

In Cellular Ageing and Replicative Senescence, Editors: Rattan, Suresh, Hayflick, Leonard

Vol. 4 of the Series: Healthy Ageing and Longevity, Series Ed.: Rattan, Suresh.

Springer, 2016

SETTE GIORNI PER CONOSCERSI: PROPOSTA DI UN DIARIO SETTIMANALE PER VALUTARE LE ABITUDINI ALIMENTARI, MOTORIE E SEDENTARIE NEI BAMBINI IN ETÀ SCOLARE ED EDUCARE A SANI STILI DI VITA

Domenico Tiso\*, Laura Dallolio\*\*, **Antonello Lorenzini\*\***, Stefania Toselli\*\*, Giovanni Lorusso\*\*, Erica Leoni\*\*

Text available inside the Doping Project of the Italian SSN ([www.progettodoping.it](http://www.progettodoping.it))

## **Posters**

### 1) **A. Lorenzini**, S. Hrelia, A. Bordoni and P.L. Biagi.

Relationship between  $\alpha_1$ -adrenergic response and lipid composition in rat cardiomyocytes aged in culture.

IV National Congress of the Italian Society of Cardiovascular Research. Rimini (Italy), May 22-24, 1997.

### 2) P.L. Biagi, S. Hrelia, A. Bordoni, **A. Lorenzini**, C. Spano' and E. Turchetto.

Essential fatty acid metabolism in primary cultures of rat cardiomyocytes: the effect of aging

SIB: Italian Biochemical Society (Riunione Congiunta), Avellino (Italy) Jun 20-21, 1997.

### 3) **A. Lorenzini**, A. Bordoni, D.F. Horrobin, P.L. Biagi and S. Hrelia.

$\alpha_1$ -adrenergic response of rat cardiomyocytes aged in culture can be modulated by the manipulation of lipid composition.

Fourth International Congress on Essential Fatty Acids and Eicosanoids, Edinburgh (Scotland), July 20-24, 1997.

### 4) J.A. Lopez Jimenez, **A. Lorenzini**, A. Bordoni, P.L. Biagi and S. Hrelia.

Aging influence on linoleic acid metabolism in the heart: a comparative study on two models of cultured cardiomyocytes.

Fourth International Congress on Essential Fatty Acids and Eicosanoids, Edinburgh (Scotland), July 20-24, 1997.

### 5) S. Hrelia, A. Bordoni, **A. Lorenzini** and P.L. Biagi.

Impaired response to alpha-1-adrenoceptor stimulation in rat cardiomyocytes aged in culture can be overcome by lipid manipulation.

SIB: Italian Biochemical Society 42<sup>th</sup> National Congress. Ancona (Italy), September 24-27, 1997.

### 6) S. Hrelia, **A. Lorenzini**, A. Bordoni, D.F. Horrobin, and P.L. Biagi.

Gamma-linoleic acid supplementation can modulate the  $\alpha_1$ -adrenergic response of rat cardiomyocytes aged in culture.

International Conference on the Biochemistry of Lipids, Assisi (Italy), September 16-19, 1997.

### 7) **A. Lorenzini** and V.J. Cristofalo

The effect of Arachidonic Acid and the synthetic Ceramide analogues C2, C6, C8 on cell proliferation in WI-38 fibroblasts.

Gordon Research Conference on Biology of Aging: Il Ciocco (Italy), May 10-15, 1998.

### 8) **A. Lorenzini**, L. Frisoni, M.K. Francis, Cristofalo V.J.

Activation of the Raf/MEK/ERK pathway is not sufficient for serum-induced c-Fos expression.

Gordon Research Conference on Biology of Aging. Ventura, CA (USA), Jan. 30-Feb. 4, 2000.

### 9) **Lorenzini A**, Tresini M, Mawal-Dewan M, Frisoni L, Zhang H, Allen RG, Sell C, and Cristofalo VJ. Role of the Raf/MEK/ERK and the PI3K/Akt(PKB) pathways in fibroblast senescence. Biological Aging, 2<sup>nd</sup> Euro Conference on Normal Ageing, Longevity and Age-related Diseases. Spetses, (Greece), May 18-22. 2002.

(Recipient of scholarship covering registration fee and accommodation)

- 10) Liu Y, Li J, **Lorenzini A**, Sinogeeva N, Chen P, Gorospe M, Cristofalo V.J.  
Constitutively active Raf induces growth arrest in WI-38 Normal Human Lung Fibroblasts: The effect of Active Raf on Chromosomal Structure and gene expression Profiles.  
Pediatric Academic Societies Annual Meeting, Seattle, Washington, (USA), May 3-6, 2003  
Published in *Pediatric Research* 53 (4): 275A-275A 1572 Part 2 Suppl. S, Apr. 2003
- 11) Longevity in Mice Hypomorphic for the *Igf1* Allele  
**A. Lorenzini**, R. McCarter, Y. Ikeno, E. Masoro, M. Liu, V. J. Cristofalo, C. Sell  
Gerontological Society of America, Annual meeting Washington, Nov. 2004
- 12) Replicative Senescence can be modulated by alterations in Nuclear MAP Kinase Activity.  
M. Tresini, **A. Lorenzini**, C. Torres, V. J. Cristofalo.  
Gerontological Society of America, Annual meeting Washington, Nov. 2004  
Published in *The Gerontologist*, 2004, 44, 14
- 13) Replicative Senescence and Aging: a Comparative Biology Approach. **A. Lorenzini**, M. Tresini, M. K. Francis, S. Austad, V. J. Cristofalo.  
Gerontological Society of America, Annual meeting Washington, Nov. 2004  
Published in *The Gerontologist*, 2004, 44, 13
- 14) Replicative Senescence and Aging: a Comparative Biology Approach. **A. Lorenzini**, M. Tresini, M. K. Francis, S. Austad, V. J. Cristofalo.  
American Society of Cell Biology, Annual meeting Washington, Dec. 2004  
Published in *Molecular Biology of the Cell* 15: 93A-93A 515 Suppl. S, Nov. 2004
- 15) Nuclear MAP Kinase Activity Modulates Replicative Senescence. M. Tresini, **A. Lorenzini**, C. Torres, V. J. Cristofalo.  
American Society of Cell Biology, Annual meeting Washington, Dec. 2004  
Published in *Molecular Biology of the Cell* 15: 94A-94A 519 Suppl. S, Nov. 2004
- 16) Changing fibroblast replicative capacity: role of MAPKs. M. Tresini, **A. Lorenzini**, C. Torres, V. J. Cristofalo.  
Gerontological Society of America, Annual meeting Orlando, Nov. 2005
- 17) A means to a DNA-end. **A. Lorenzini**, A. Oliver, V. J. Cristofalo, T. Stamato  
Gerontological Society of America, Annual meeting Orlando, Nov. 2005
- 18) Increased Longevity in Mice Homozygous for a Hypomorphic *Igf-1* Allele  
**A. Lorenzini**, Marco Malaguti, Roger McCarter, Yuji Ikeno, Edward Masoro, Mantao Liu, Christian Sell.  
Nathan Shock Aging Center Conference on Aging: Nutrient Signaling and Aging, San Antonio, Oct. 12-15, 2006
- 19) Evidence that DNA-End Binding Activity is a Key Determinant of Longevity in Mammals.  
**A. Lorenzini**, A. Oliver, V. J. Cristofalo, T. Stamato  
Radiation Research Society, 53<sup>rd</sup> Annual meeting, Philadelphia (USA) Nov. 5-8, 2006.
- 20) Effetti dell'IGF-1 come induttore di stress ossidativo in fibroblasti umani.  
M. Malaguti, **A. Lorenzini**, P.L. Biagi, C. Sell.  
XXXIV National Congress of the Italian Society for Human Nutrition (SINU) "La Nutrizione Umana Oggi tra Tecnologia e Prevenzione", Rimini, Italy Nov 8-10. 2006
- 21) I lipidi: come e perché non temerli  
P.L. Biagi e **A. Lorenzini**  
Italian Society for Human Nutrition (SINU) - Italian Biochemical Society (SIB), Incontro di Studio Congiunto, Cesena, Italy, May 31-June 1. 2007
- 22) Aging in IGF-1 hypomorphic mice  
C. Sell, **Lorenzini A.**,  
Proceedings of the 36th Annual Meeting of the American Aging Association, June 1-4, 2007 San Antonio, Texas.

23) Correlation of Species Longevity with DNA Double Strand Break-Recognition.

**A. Lorenzini.**

Riunione Societa' Italiana di Biologia Sperimentale (SIBS) 3-31-2008, Facoltà di Medicina Veterinaria, Ozzano dell'Emilia, Bologna, Italy.

24) **A. Lorenzini**, A. Oliver, M. Tresini, V.J. Cristofalo, M. Malaguti, P. Biagi, S. Hrelia and T.D. Stamato.

Is DNA double strand breaks recognition related to longevity?

53<sup>rd</sup> National Meeting of Italian Society of Biochemistry and Molecular Biology. 23-26 September 2008, Riccione, Italy. Proceedings in Firenze University Press "Proceedings e report", 2008, vol 43. p. 86

25) Stress-induced senescence in human and rodent astrocytes, Alessandro Bitto, Christian Sell, Elizabeth Crowe, **Antonello Lorenzini**, Marco Malaguti, Claudio Torres.

Tenth international Symposium on Neurobiology and Neuroendocrinology of Aging, Bregenz, Austria, July 25-30, 2010. Proceedings in Experimental Gerontology vol. 46, p. 213, 2011.

26) Effects of broccoli extract supplementation and physical exercise on antioxidant defences in rat tissues E. Bandini, M. Malaguti, M. Baldini, P. Biagi, S. Hrelia, **A. Lorenzini**.

27) Preconditioning modulates phase II enzymes in cultured cardiomyocytes by Nrf1 and Nrf2 activation. Fabbri D., Angeloni C., Motori E., Leoncini E., Malaguti M., **Lorenzini A.**, Caldarera C.M., Hrelia S. XVIII Congresso Nazionale Società Italiana di Ricerche Cardiovascolari (SIRC) Imola 21-22 Ottobre 2011

28) EU sponsored 2 weeks Intensive Programme in the Biology of Aging for Master and PhD students: Project proposal and partners search, Antonello Lorenzini and Marco Malaguti, Bregenz Vorarlberg, Austria July 29 August 3, 2012

29) University of Bologna EduSport intensive programme: a ten years history.

M. Malaguti, M. Cuconato, **A. Lorenzini**, 9th International Conference in Sport and Quality of life 2013, 7-8—11-2013 Brno, Czech Republic

30) A cell culture comparative biology approach to study mechanisms of genome stability and their relevance for species longevity: a newer interpretation of 53BP1 nuclear foci

E. Croco, Sell C., Stamato T., Malaguti M., Hrelia S., **Lorenzini A.**

13th Biennial Meeting of the German Society for Research on DNA Repair, Mainz Germany, 8th-12th September 2014.

31) A cell culture comparative biology approach to study mechanisms of genome stability and their relevance for species longevity: a newer interpretation of DNA damage induced nuclear foci." E. Croco, S. Marchionni, M. Bocchini, T. Stamato, M. Malaguti, S. Hrelia, C. Sell, **A. Lorenzini**.

13<sup>th</sup> FISV Congress, Pisa, Italy, September 24-27, 2014

(Abstract published in conference publication, P5.5 page 49)

32) DNA damage markers in dermal fibroblasts in vitro reflect chronological donor age

M.E.C. Waaijer, E. Croco, R.G.J. Westendorp, P.E. Slagboom, **A. Lorenzini**,\*, A.B. Maier,\*

\* These authors contributed equally

International Cell Senescence Association 2015 Conference on: Cellular Senescence: from physiology to pathology. July 19th-22nd 2015, Santiago de Compostela, Spain.

33) A cell culture comparative biology approach to study mechanisms of genome stability and their relevance for species longevity: a newer interpretation of 53BP1 nuclear foci.

E. Croco, S. Marchionni, M. Bocchini, T. Stamato, M. Malaguti, S. Hrelia, C. Sell, **A. Lorenzini**, 40th FEBS Congress, July 4-9, 2015 Berlin, Germany; Abstract published in The FEBS journal, Volume 282 Supplement 1 July 2015

34) Cells irradiation to investigate markers of ionizing radiation-induced DNA damage

G. Compagnone, **A. Lorenzini**, F. Romani, E. Croco, A.L. Angelini, M. Di Donna, S. Cammelli, A.G. Morganti. AIFM (Italian Association of Medical Physics) IX National Congress – Perugia, Italy, 25-28 Feb. 2016. Abstract published in Physica Medica - European Journal of Medical Physics", Vol. 32 Suppl. 1, February 2016  
IF 2015, 1,76

35) "7 giorni per conoscersi": proposta di un diario settimanale per la raccolta delle abitudini alimentari, motorie e sedentarie nei bambini dai 6 agli 11 anni.

Laura Dallolio, Giovanni Lorusso, Marilisa Rangone, Federica Catalani, Stefania Toselli, Domenico Tiso, Erica Leoni, **Antonello Lorenzini**.

50° Congresso Nazionale della Società di Igiene Medicina Preventiva e Sanità Pubblica (SItI)  
22-25 Novembre 2017. Torino, Italy

36) Effect of natural antioxidants on amniotic fluid stem cell cultures

Marrazzo Pasquale; Freschi Michela; Barbalace Maria Cristina; **Lorenzini Antonello**; Maraldi Tullia; Prata Cecilia; Angeloni Cristina; Hrelia Silvana.

VIII meeting Stem Cell Research Italy, 25-27 Maggio 2017, Chieti, Italy

37) Studio sui possibili effetti mutageni e co-cancerogeni associate all'esposizione a vapore generato da sigaretta elettronica (e-cig) nel modello animale.

Canistro D., Cirillo S., Vivarelli F., Buschini A. Lazzaretti M., Marchi L., Cardenia V., Rodriguez-Estrada M.T., **Lorenzini A.**, Croco E., Marchionni S., Franchi P., Lucarini M., Paolini M.

18° Congresso nazionale della Società Italiana di Tossicologia, Bologna, Italy 10-13 April 2018

38) Genotossicità della vitamina E e disregolazione dell'omeostasi redox e del metabolism degli xenobiotici.

Vivarelli F., Paolini M., Cirillo S., Marchionni S., **Lorenzini A.**, Canistro D.

18° Congresso nazionale della Società Italiana di Tossicologia, Bologna, Italy 10-13 April 2018

## **Publications**

1) Modifications of cardiac enzymatic profile in functional overload conditions of the left ventricolum.

Cavallini G, Militello G, **Lorenzini A**, Giulianotti C, Gori Z, Mosca F, De Tata V.

Il Patologo Clinico 1997; 1:1-3

Impact Factor NA

2) Essential fatty acid metabolism in cardiomyocytes grown in media enriched with different N-6/N-3 fatty acid combinations.

Hrelia S, Biagi PL, **Lorenzini A**, Lopez Jimenez JA, Horrobin DF, Bordoni A.

Biochem Mol Biol Int. 1997 Feb;41(2):423-30.PMID:9063583

**Impact Factor 2001: 0,921**

3) Age-related changes in essential fatty acid metabolism in cultured rat heart myocytes.

**Lorenzini A**, Bordoni A, Spanò C, Turchetto E, Biagi PL, Hrelia S.

Prostaglandins Leukot Essent Fatty Acids. 1997 Aug;57(2):143-7.PMID:9250697

**Impact Factor 2003: 1,376**

4) Linoleic acid metabolism in primary cultures of adult rat cardiomyocytes is impaired by aging.

Lopez Jimenez JA, Bordoni A, **Lorenzini A**, Rossi CA, Biagi PL, Hrelia S.

Biochem Biophys Res Commun. 1997 Aug 8;237(1):142-5.PMID:9266846

**Impact Factor 2004: 2,904**

5) Manipulation of lipid composition of rat heart myocytes aged in culture and its effect on alpha1-adrenoceptor stimulation.

Bordoni A, **Lorenzini A**, Horrobin DF, Biagi PL, Hrelia S.

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**Impact Factor 2004: 5,004**

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**Total Scientific production**

Co-author of 41 manuscripts in international and/or national scientific journals

Co-author of 38 abstracts at international or national scientific meetings

Editors for 3 books and 2 web sites.

Author e co-author of 8 book-chapters

Co-author of 1 encyclopedia entries.

**H index (Scopus, updated at 19-09-19): 17**

**Total citations (Scopus updated at 19-09-19) 856**

Data

25/09/2019

Luogo

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