

PERSONAL INFORMATIONS

Ilenia Martinelli

EDUCATION AND TRAINING

1 st December 2018 – up to date	<p>Scholarship Aimed at carrying out scientific activities and supporting research in the School of Medicinal and Health Products Sciences (University of Camerino). Title:” OBESITY EFFECTS ON THE CEREBROVASCULAR SYSTEM AND COGNITIVE FUNCTIONS”.</p>	
27 th February 2019	<p>PhD in LIFE AND HEALTH SCIENCES - One Health Supervisor: Seyed Khosrow Tayebati – University of Camerino (Italy) Thesis title: Multi-Organ Involvement in The Metabolic Syndrome: Evidence in the Obese Zucker Rats •Characterize and study the alterations in animal models of aging, metabolic syndrome, obesity and diet supplementation (tart cherries intake)</p>	Excellent
28 th October 2017-28 th July 2018	<p>Period abroad in Institut National de la Santé et de la Recherche Médicale (INSERM) Toulouse, France: Institut des maladies métaboliques et cardiovasculaires: I2MC-UMR 1048. Equipe 6: Microenvironnement stromal et insuffisance cardiaque. Project title: Metabolism of human cardiac mesenchymal progenitor cells sorted for low and high mitochondrial membrane potential</p>	
November 2015	<p>License to practice as a qualified pharmacist University of Camerino (Italy)</p>	
10 July 2015	<p>Degree in Pharmacy University of Camerino (Italy) Thesis title: IL SISTEMA COLINERGICO CEREBRALE NEI RATTI OBESI ZUCKER- LEPR^{fa/fa}</p>	110/110elode
September 2014 - April 2015	<p>Traineeship in a Pharmacy Dr. Mario Rossi, Largo Leopardi 1, 62025, Pioraco (MC)</p>	
July 2010	<p>High School Liceo Scientifico Galileo Galilei Via Alessandro Manzoni 95, 62100, Macerata (MC)</p>	78/100

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
ESOL Certificate - Cambridge Centre level B1 – Preliminary English Test (PET)					

Communication skills Good interpersonal skills, strong ability to interact with other members of a research team or work environment.

Organisational / managerial skills Good abilities to coordinate a teamwork and the research activities of students during final degree thesis and stage.

Job-related skills

•**Cell culture**

- human cardiac mesenchymal progenitor cells (hCMPCs) and bone marrow cells.
- hCMPCs selected for mitochondrial membrane potential ($\Delta\psi_m$) using Tetramethylrhodamine, methyl ester (TMRM) and Mitotraker probes
- hCMPCs FACS- sorted as TMRM LOW low $\Delta\psi_m$ and BRIGHT high $\Delta\psi_m$

•**Cell metabolism using Agilent Seahorse XF Technology**

- Mitostress test and Cell energy phenotype test:
- measure mitochondria respiration, Oxygen Consumption Rate (OCR) and Extracellular Acidification Rate (ECAR), ATP production, Proton leak, Spare respiratory capacity, maximal respiration, coupling efficiency, non-mitochondrial respiration and metabolic potential.

•**Molecular biology**

- different techniques of DNA and RNA extraction, RT-qPCR and qPCR

•**Immunohistochemical and immunochemical (Western Blot) techniques**

- paraffin embedding
- cut sample with microtomy and criotomy
- staining techniques (Masson Tricomic, Nisl Technique, Hematoxylin and Eosin, Cresil-violetto, Congo Red)
- immunofluorescence detection
- GPx, SOD and MDA assays

•**In vivo**

- diet supplementation in animal model of diet induced-obesity
- behavioural tests (Open field, Passive avoidance, Morris Water Maze).

•My research activity is focused on the following topics:

- neuromorphology;
- basic neurochemical and histochemical techniques;
- microanatomical and histochemical analysis of damage to the organs (especially brain) in animal models of obesity and metabolic syndrome;
- evaluation of oxidative stress and Thioflavin S in animal model of obesity and aging, respectively;
- analysis of central and peripheral neurotransmitter markers with immunochemical and immunohistochemical techniques;
- evaluate the differentiation potential of stem cells.

Other skills

- As a tutor of the School of Biosciences and Veterinary Medicine and School of Pharmacy (UNICAM), I teach and follow the students until the thesis final dissertations.
- Teaching laboratory for high school students and during “open day” in UNICAM.
- Expert on the subject “Cellular biology and Human anatomy” at the School of Medicinal and Health Products Sciences and School of Biosciences and Veterinary Medicine, University of Camerino (Italy).
- Bibliographic research, analysis and interpretations of results, bio-statistics, writing and presentation of protocols.
- Image analysis and statistical elaboration of data at the microscope confocal ZEISS and ZOE Fluorescent cell imager.
- Good knowledge Microsoft Office, GraphPad and Windows Operating System.

Driving licence

B

ADDITIONAL INFORMATION

Publications

1. Martinelli I.¹, Tomassoni D.², Moruzzi M.¹, Traini E.¹, Amenta F.¹, Tayebati S.K.¹. Obesity and metabolic syndrome affect the cholinergic transmission and cognitive functions. *CNS Neurol Disord Drug Targets*. 2017;16(6):664-676. doi: 10.2174/1871527316666170428123853. ¹School of Medicinal and Health Products Sciences, University of Camerino, Italy; ²School of Biosciences and Veterinary Medicine, University of Camerino, Italy.
2. Tayebati S.K.¹, Martinelli I.¹, Moruzzi M.¹, Amenta F.¹, Tomassoni D.² Choline and Choline alphoscerate Do Not Modulate Inflammatory Processes in the Rat Brain. *Nutrients*. 2017; 9(10):1084; doi:10.3390/nu9101084 ¹School of Medicinal and Health Products Sciences, University of Camerino, Italy; ²School of Biosciences and Veterinary Medicine, University of Camerino, Italy.
3. Tayebati S.K.¹, Cecchi A.², Martinelli I.¹, Carboni E.², Amenta F.¹ Prenatal Pharmacotherapy of Down's syndrome. Submitted to *CNS Neurol Disord Drug Targets*. ¹School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy; ²Regional Centre for Prenatal Diagnosis, Loreto, Italy.
4. Tomassoni D.¹, Martinelli I.², Moruzzi M.³, Micioni Di Bonaventura M.V.², Amenta F.², Tayebati S.K.² The brain of obese Zucker *Lepr^{fa/fa}* rats: obesity and age-related changes. Submitted to *Obesity*. ¹School of Bioscience and Veterinary Medicine, University of Camerino, Camerino, Italy; ²School of Medicinal and Health Products, University of Camerino, Camerino, Italy; ³Department of Medicine, University of Leipzig, Leipzig, German.
5. Micioni Di Bonaventura M.V.^{1#}, Martinelli I.^{1#}, Moruzzi M.², Amantini C.³, Maggi F.³, Gabrielli M.G.³, Fruganti A.³, Marchegiani A.³, Dini F.³, Marini C.³, Polidori C.¹, Lupidi G.¹, Tayebati S.K.¹, Cifani C.¹, Tomassoni D.³ Effects of *Prunus cerasus* L. seeds and juice on liver steatosis in an animal model of diet induced obesity. In preparation for *Molecular Nutrition & Food Research*. ¹School of Medicinal Sciences and Health Products, University of Camerino, Camerino, Italy; ²Department of Medicine, University of Leipzig, Leipzig, Germany; ³School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy
6. Tayebati S.K.¹, Martinelli I.¹, Moruzzi M.², Amenta F.¹, Tomassoni D.³. Cardiovascular changes related to metabolic syndrome: evidence in obese Zucker rats. In preparation for journal *Frontiers in Physiology*, section *Oxidant Physiology*. ¹School of Medicinal and Health Products Sciences; University of Camerino, Camerino, Italy; ²Department of Medicine, University of Leipzig, Leipzig, Germany; ³School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
7. Moruzzi M.¹, Traini E.¹, Martinelli I.¹, Tomassoni D.², Tayebati S.K.¹, Amenta F.¹ Outcomes and length of pharmacotherapy trials on Alzheimer disease. In preparation for *Ageing Research Reviews*. ¹School of Medicinal and Health Products Sciences; University of Camerino, Camerino, Italy; ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.

Oral Presentation

- 1. Martinelli I.**¹, Tomassoni D.², Moruzzi M.¹, Amenta F.¹, Tayebati S.K.¹. Cholinergic system and synaptic vesicles alterations in brain areas of an animal model of metabolic syndrome ¹School of Medicinal and Health Products Sciences, University of Camerino, Italy, ²School of Biosciences and Veterinary Medicine, University of Camerino, Italy. XXVI Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 24-25 November 2016, Verona, Italy.
- 2. Martinelli I.**¹, Moruzzi M.¹, Tayebati S.K.¹, Amantini C.², Morelli B.M.², Micioni Di Bonaventura M.V.¹, Giusepponi M.E.¹, Cifani C.¹, Polidori C.¹, Amenta F.¹, Lupidi G.¹, Tomassoni D.². Tart-cherries supplementation could modify brain alterations in a animal model of obesity? ¹School of Medicinal and Health Products Sciences, University of Camerino, Italy and ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy. XXVII Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 30 November -1 December 2017, Bologna, Italy.
- 3. Martinelli I.**¹, Tayebati S.K.¹, Moruzzi M.¹, Micioni Di Bonaventura M.V.¹, Giusepponi M.E.¹, Cifani C.¹, Polidori C.¹, Lupidi G.¹, Amenta F.¹, Tomassoni D.² Cholinergic transmission in the brain of rats with diet induced obesity (DIO) ¹School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy. ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy. XXVIII Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 30 November -1 December 2018, Firenze, Italy.

Conferences proceedings
(poster)

1. Tomassoni D.¹, Tayebati S.K.², **Martinelli I.**², Amenta F.²
Obesity-related to type-2 diabetes and brain cholinergic dysfunction: preliminary evidence from Obese Zucker Rats
¹School of Biosciences and Veterinary Medicine, University of Camerino, Italy,
²School of Medicinal and Health Products Sciences, University of Camerino, Italy.
9th International Congress on Vascular dementia (ICVD), 16-18 October 2015, Ljubljana, Slovenia, Medimond SX16C0010 p.35-38.
2. Tomassoni D.¹, Tayebati S.K.², **Martinelli I.**², Moruzzi M.², Amenta F.²
Oxidative stress related to obesity: results in plasma and brain areas of obese Zucker rats
¹School of Biosciences and Veterinary Medicine, University of Camerino, Italy,
²School of Medicinal and Health Products Sciences, University of Camerino, Italy.
70^o Meeting of the Italian Society of Anatomy and Histology (SIAI), 15-17 September 2016, Rome, Italy. Italian Journal of Anatomy and Embryology vol. 121 N.1 (supplement), 44,2016.
3. Tayebati S.K.¹, Tomassoni D.², **Martinelli I.**¹, Amenta F.¹
Heart morphology in Zucker-obese rats
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy,
²School of Biosciences and Veterinary Medicine, University of Camerino, Italy.
70^o Meeting of the Italian Society of Anatomy and Histology (SIAI), 15-17 September 2016, Rome, Italy. Italian Journal of Anatomy and Embryology vol. 121 N.1 (supplement), 214,2016.
4. Tomassoni D.¹, Tayebati S.K.², Moruzzi M.², **Martinelli I.**², Amenta F.²
Brain cholinergic dysfunction in obese Zucker Lepr^(fa/fa) rats
¹School of Biosciences and Veterinary Medicine, University of Camerino, Italy,
²School of Medicinal and Health Products Sciences, University of Camerino, Italy.
XVth International Symposium on Cholinergic Mechanisms (ISCM), 16-20 October 2016, Marsiglia, France. Journal of Neurochemistry (2017) 142 (Suppl. 2). pag. 221-222.
5. Tayebati S.K.¹, Tomassoni D.², **Martinelli I.**¹, Moruzzi M.¹, Amenta F.¹
Treatment with a cholinergic precursor in an animal model of cerebrovascular disease: insights into mechanisms of neuroprotective activity
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy,
²School of Biosciences and Veterinary Medicine, University of Camerino, Italy.
XVth International Symposium on Cholinergic Mechanisms (ISCM), 16-20 October 2016, Marseille, France. Journal of Neurochemistry (2017) 142 (Suppl. 2). pag. 221.
6. **Martinelli I.**¹, Tomassoni D.², Moruzzi M.¹, Amenta F.¹, Tayebati S.K.¹
Cholinergic system and synaptic vesicles alterations in brain areas of an animal model of metabolic syndrome
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy,
²School of Biosciences and Veterinary Medicine, University of Camerino, Italy.
XXVI Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 24-25 November 2016, Verona, Italy. p. 9.
7. Moruzzi M.¹, Micioni Di Bonaventura M.V.¹, Fruganti A.², Dini F.², Marchegiani A.², **Martinelli I.**¹, Giusepponi M.E.¹, Marini C.², Polidori C.¹, Tayebati S.K.¹, Amenta F.¹, Cifani C.¹, Tomassoni D.²
Evidence of obesity-related brain injury in diet-induced obesity (DIO) rats: macro- and micro-anatomical analysis
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy, ²School of Biosciences and Veterinary Medicine, University of Camerino, Italy.
XXVI Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 24-25 November 2016, Verona, Italy. p. 10.
8. **Martinelli I.**¹, Tomassoni D.², Moruzzi M.¹, Amenta F.¹, Tayebati S.K.¹
Expression of synapto-vesicular proteins in brain areas of an animal model of metabolic syndrome
¹School of Medicinal Sciences and Health Products, ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Camerino Italy.
24th European Congress of obesity (ECO2017), 17-20 May 2017, Porto, Portugal. LB1 P179
9. Tomassoni D.¹, Micioni di Bonaventura M.V.², Moruzzi M.², **Martinelli I.**², Dini F.¹, Fruganti A.¹, Marchegiani A.¹, Giusepponi M.E.², Marini C.¹, Polidori C.², Lupidi G.², Tayebati S.K.², Amenta F.², Cifani C.²
Overweight leads to brain injury in high fat diet-induced obesity (DIO) rats
¹School of Biosciences and Veterinary Medicine, ²School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy.
24th European Congress of obesity (ECO2017), 17-20 May 2017, Porto, Portugal. LB1 P180
10. Tomassoni D.¹, Micioni Di Bonaventura M.V.², Amantini C.¹, **Martinelli I.**², Moruzzi M.², Giusepponi M.E.², Dini F.¹, Fruganti A.¹, Marchegiani A.¹, Marini C.¹, Gabrielli G.¹, Polidori C.², Amenta F.², Tayebati S.K.², Cifani C.²
Obesity affects central nervous system: a multidisciplinary study in Diet-Induced Obesity (DIO) rats
¹School of Biosciences and Veterinary Medicine, ²School of Medicinal and Health Products Sciences and University of Camerino, Camerino, Italy.
Convegno Alimenti e nutraceutici: qualità e salute del consumatore, 4 July 2017, University of Camerino, Camerino, Italy.

Conferences proceedings
(poster)

- 11.** Micioni Di Bonaventura M.V.¹, Moruzzi M.¹, **Martinelli I.**¹, Giusepponi M.E.¹, Gabrielli G.², Fruganti A.², Marchegiani A.², Dini F.², Marini C.², Cuccioloni M.², Mozzicafreddo M.², Polidori C.¹, Amenta F.¹, Cifani C.¹, Lupidi G.¹, Tayebati S.K.¹, Tomassoni D.²
 Effects of Tart Cherry supplementation in Diet-Induced Obesity (DIO) rats
¹School of Medicinal and Health Products Sciences, ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
 Convegno Alimenti e nutraceutici: qualità e salute del consumatore, 4 July 2017, University of Camerino, Camerino, Italy.
- 12.** **Martinelli I.**¹, Tayebati S.K.¹, Moruzzi M.¹, Micioni Di Bonaventura M.V.¹, Amantini C.², Giusepponi M.E.¹, Polidori C.¹, Cifani C.¹, Amenta F.¹, Tomassoni D.²
 A multidisciplinary approach to study the brain injury in Diet-Induced Obesity (DIO) rats
¹School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy and ²School of Biosciences and Veterinary Medicine, University of Camerino, Italy
 71° Meeting of the Italian Society of Anatomy and Histology (SIAI), 20–22 September 2017, Taormina, Italy.
 Italian Journal of Anatomy and Embryology vol. 122; n.1 (Supplement): 138, 2017.
- 13.** Moruzzi M.¹, **Martinelli I.**¹, Micioni Di Bonaventura M.V.¹, Giusepponi M.E.¹, Gabrielli G.², A Fruganti A.², Marchegiani A.², Dini F.², Marini C.², Cuccioloni M.², Mozzicafreddo M.², Polidori C.¹, Cifani C.¹, Lupidi G.¹, Amenta F.¹, Tayebati S.K.¹, Tomassoni D.²
 Metabolic effects of Tart Cherries supplementation in an animal model of obesity
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy and ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
 71° Meeting of the Italian Society of Anatomy and Histology (SIAI), 20– 22 September 2017, Taormina, Italy.
 Italian Journal of Anatomy and Embryology vol. 122; n.1 (Supplement): 213, 2017.
- 14.** Tayebati S.K.¹, Tomassoni D.², **Martinelli I.**¹, Moruzzi M.¹, Amenta F.¹
 Effects of acetylcholine precursors on inflammation markers in rat brain
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy and ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
 71° Meeting of the Italian Society of Anatomy and Histology (SIAI), 20– 22 September 2017, Taormina, Italy.
 Italian Journal of Anatomy and Embryology vol. 122; n.1 (Supplement): 213, 2017.
- 15.** Tomassoni D.¹, Pastorino Z.¹, Moruzzi M.², **Martinelli I.**², Gabrielli M.G.¹, Amenta F.², Tayebati S.K.²
 The enteric nervous system in obese Zucker rats as an animal model of metabolic syndrome
¹School of Biosciences and Veterinary Medicine, University of Camerino and ²School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy.
 XXVII Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 30 November-1 December 2017, Bologna, Italy. p.26.
- 16.** Moruzzi M.¹, Tayebati S.K.¹, **Martinelli I.**¹, Micioni Di Bonaventura M.V.¹, Amantini C.², Giusepponi M.E.¹, Polidori C.¹, Cifani C.¹, Amenta F.¹, Tomassoni D.²
 Cerebrovascular alterations and synaptic plasticity modulation in rats developing obesity
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy and ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
 XXVII Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 30 November-1 December 2017, Bologna, Italy. p.27.
- 17.** **Martinelli I.**¹, Moruzzi M.¹, Tayebati S.K.¹, Amantini C.², Morelli B.M.², Micioni Di Bonaventura M.V.¹, Giusepponi M.E.¹, Cifani C.¹, Polidori C.¹, Amenta F.¹, Lupidi G.¹, Tomassoni D.²
 Tart-cherries supplementation could modify brain alterations in a animal model of obesity?
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy and ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
 XXVII Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 30 November-1 December 2017, Bologna, Italy. p.31.
- 18.** Moruzzi M.¹, **Martinelli I.**¹, Tayebati S.K.¹, Amantini C.², Micioni Di Bonaventura M.V.¹, Giusepponi M.E.¹, Polidori C.¹, Amenta F.¹, Lupidi G.¹, Cifani C.¹, Tomassoni D.²
 Effects of tart cherries supplementation on brain of rats with diet-induced obesity
¹School of Medicinal and Health Products Sciences and ²School of Biosciences and Veterinary Medicine University of Camerino, Camerino, Italy.
 11th Federation of European Neuroscience Societies (FENS), 7-11 July 2018, Berlin, Germany.

Conferences proceedings
(poster)

- 19.** Tomassoni D.¹, **Martinelli I.**², Moruzzi M.², Micioni di Bonaventura M.V.², Amenta F.², Tayebati S.K.²
 Gliosis related to metabolic syndrome: evidences in obese Zucker rat brain
¹School of Biosciences and Veterinary Medicine and
²School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy.
 Convegno Cibo e nutraceutici: direzione salute, 10 July 2018, University of Camerino, Camerino, Italy.
- 20.** Tomassoni D.¹, Micioni Di Bonaventura M.V.², Lupidi G.², Moruzzi M.², **Martinelli I.**², Giusepponi M.E.², Gabrielli G.1, Amantini C.1, Fruganti A.1, Marchegiani A.1, Dini F.1, Marini C.1, Mozzicafreddo M.1, Cuccioloni M.1, Polidori C.², Amenta F.², Tayebati S.K.², Cifani C.²
 Obesity related end-organ damage: protective effects of tart cherries supplementation
¹School of Biosciences and Veterinary Medicine and ²School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy
 Convegno Cibo e nutraceutici: direzione salute, 10 July 2018, University of Camerino, Camerino, Italy.
- 21.** Moreschini B.^a Tomassoni D.^a, Polzonetti V.^a, Vincenzetti S.^a, Amici A.^a, Nasuti C.^b, Tiano L.^c, Orlando P.^c, **Martinelli I.**^b and Pucciarelli S.^a
 Impact of spermidine consumption on aging: metabolic, morphological and cognitive aspects
^aSchool of Biosciences and Veterinary Medicine, University of Camerino,
^bSchool of Pharmacy, University of Camerino, ^cDepartment of Life and Environmental Sciences, Polytechnic University of Marche.
 Convegno Cibo e nutraceutici: direzione salute, 10 July 2018, University of Camerino, Camerino, Italy.
- 22.** Tayebati S.K.¹, **Martinelli I.**¹, Moruzzi M.¹, Traini E.¹, Amenta F.¹, Tomassoni D.²
 Possible protective mechanism of choline alphoscerate in brain of spontaneously hypertensive rats as model of cerebrovascular disease
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy and
²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy
 Convegno Cibo e nutraceutici: direzione salute, 10 July 2018, University of Camerino, Camerino, Italy.
- 23.** Tayebati S.K.¹, **Martinelli I.**¹, Moruzzi M.¹, Traini E.¹, Tomassoni D.², Amenta A.¹
 The kidney in an animal model of metabolic syndrome: A morpho-functional study
¹School of Medicinal and Health Products Sciences, University of Camerino, Italy and
²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
 72^o Meeting of the Italian Society of Anatomy and Histology (SIAI), 20– 22 September 2018, Parma, Italy.
 Italian Journal of Anatomy and Embryology vol. 123; n.1 (Supplement): 213, 2018.
- 24.** Moruzzi M.¹, Kloeting N.², Blueher M.², Kern M.², Amantini C.³, **Martinelli I.**¹, Tayebati S.K.¹, Micioni di Bonaventura M.V.¹, Giusepponi M.E.¹, Cifani C.¹, Lupidi G.¹, Amenta F.¹, Tomassoni D.³
 Inflammation in white adipose tissue of obese rats: effects of seed and juice of prunus cerasus L.
¹School of Medicinal and Health Products Sciences University of Camerino, Camerino, Italy; ²Department of Medicine, University of Leipzig, Leipzig, Germany; ³School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
 72^o Meeting of the Italian Society of Anatomy and Histology (SIAI), 20– 22 September 2018, Parma, Italy.
 Italian Journal of Anatomy and Embryology vol. 123; n.1 (Supplement): 153, 2018.
- 25.** Tomassoni D.¹, Tayebati S.K.², **Martinelli I.**², Moruzzi M.², Amantini C.¹, Micioni di Bonaventura M.V.², Giusepponi M.E.², Polidori C.², Lupidi G.², Gabriella G.¹, Cifani C.², Amenta F.²
 Effects of tart cherry enriched diet on obese rats brain
¹School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy and ²School of Medicinal and Health Products Sciences University of Camerino, Camerino, Italy.
 72^o Meeting of the Italian Society of Anatomy and Histology (SIAI), 20– 22 September 2018, Parma, Italy.
 Italian Journal of Anatomy and Embryology vol. 123; n.1 (Supplement): 218, 2018.
- 26.** **Martinelli I.**¹, Tayebati S.K.¹, Moruzzi M.¹, Micioni Di Bonaventura M.V.¹, Giusepponi M.E.¹, Cifani C.¹, Polidori C.¹, Amenta F.¹, Tomassoni D.²
 Cholinergic transmission in the brain of rats with diet induced obesity (DIO)
¹School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy.
²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
 XXVIII Convegno nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), 30 November -1 December 2018, Firenze, Italy.
- 27.** **Martinelli I.**¹, Micioni Di Bonaventura M.V.¹, Moruzzi M.², Amantini C.³, Roy P.³, Polidori C.¹, Lupidi G.¹, Cifani C.¹, Tayebati S.K.¹, Amenta F.¹, Tomassoni D.³
 Tart cherries intake in High-Fat Diet-Fed rats: strategy to prevent cerebrovascular alterations. ¹School of Medicinal and Health Products Science, University of Camerino, Camerino, Italy; ²Department of Medicine, University of Leipzig, Leipzig, Germany; ³ School of Biosciences and Veterinary Medicine University of Camerino, Camerino, Italy.
 1st International Conference on Neuroprotection by Drugs, Nutraceuticals and Physical Activity, 6-7 June 2019, Rimini, Italy.

Conferences proceedings
(poster)

- 28.** Pucciarelli S.¹, Moreschini B.¹, Tomassoni D.¹, Vincenzetti S.¹, Amici A.¹, Nasuti C.², Tiano L.³, Orlando P.³, Martinelli I.² and Polzonetti V.¹
Protective effects of lifelong consumption of spermidine on accelerated aging through modulation of NAD-related metabolic pathways.
¹School of Biosciences and Veterinary Medicine, University of Camerino, ²School of Pharmacy, University of Camerino, and ³Department of Life and Environmental Sciences, Polytechnic University of Marche.
1st International Conference on Neuroprotection by Drugs, Nutraceuticals and Physical Activity, 6-7 June 2019, Rimini, Italy.
- 29.** Traini E.¹, Tomassoni D.², Martinelli I.¹, Moruzzi M.³, Carotenuto A.¹, Fasanaro A.M.⁴, Tayebati S.K.¹, Amenta F.¹
Choline alphoscerate activity in cerebrovascular disease: preclinical and clinical evidence
¹School of Medicinal Sciences and Health Products, ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy; ³Department of Medicine, University of Leipzig, Leipzig, Germany; ⁴Neurology Unit, National Hospital, "A. Cardarelli", Naples, Italy.
1st International Conference on Neuroprotection by Drugs, Nutraceuticals and Physical Activity, 6-7 June 2019, Rimini, Italy.
- 30.** Gabrielli M.G.¹, **Martinelli I.**², Moruzzi M.³, Micioni Di Bonaventura M.V.², Cifani C.², Tayebati S.K.², Tomassoni D.¹
Does obesity affect the mucin secretion of the rat intestinal mucosa?
¹School of Biosciences and Veterinary Medicine and ²School of Pharmacy, University of Camerino, Camerino, Italy; ³Department of Medicine, University of Leipzig, Leipzig, Germany.
38th Conference of Società Italiana di Istochimica (SII), 24-27 June 2019, Ancona, Italy.
European Journal of Histochemistry 2019; vol. 63; supplement 2, p. 16. ISSN 1121-760X.
- 31.** Tomassoni D.¹, **Martinelli I.**², Moruzzi M.³, Traini E.², Micioni Di Bonaventura M.V.², Cifani C.², Amenta F.², Tayebati S.K.²
Peripheral neuropathy related to obesity: a microanatomical study of sciatic nerve in obese rats
¹School of Biosciences and Veterinary Medicine and ²School of Pharmacy, University of Camerino, Camerino, Italy; ³Department of Medicine, University of Leipzig, Leipzig, Germany.
38th Conference of Società Italiana di Istochimica (SII), 24-27 June 2019, Ancona, Italy.
European Journal of Histochemistry 2019; vol. 63; supplement 2, p. 33. ISSN 1121-760X.
- 32.** Traini E.¹, **Martinelli I.**¹, Tomassoni D.², Moruzzi M.³, Gabrielli M.G.², Micioni Di Bonaventura M.V.¹, Cifani C.¹, Tayebati S.K.¹, Amenta F.¹
Kidney changes in obese rats: evidence for nephropathy related to diet
¹School of Pharmacy and ²School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy; ³Department of Medicine, University of Leipzig, Leipzig, Germany.
38th Conference of Società Italiana di Istochimica (SII), 24-27 June 2019, Ancona, Italy.
European Journal of Histochemistry 2019; vol. 63; supplement 2, p. 33. ISSN 1121-760X.
- 33.** **Martinelli I.**¹, Moruzzi M.², Maggi F.¹, Amantini C.³, Palermo F.A.³, Cocci P.³, Micioni Di Bonaventura M.V.¹, Gabrielli M.G.³, Fruganti A.³, Marchegiani A.³, Kloeting N.², Lupidi G.¹, Cifani C.¹, Tayebati S.K.¹, Tomassoni D.³
Prunus Cerasus L. modulates adipogenesis and inflammation of visceral adipose tissue in rats fed a high-fat diet
¹School of Medicinal Sciences and Health Products, University of Camerino, Camerino, Italy; ²Department of Medicine, University of Leipzig, Leipzig, Germany; ³School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
Convegno Cibo e nutraceutici: parola chiave "caratterizzazione", 9 July 2019, University of Camerino, Camerino, Italy
- 34.** Tomassoni D.¹, **Martinelli I.**², Moruzzi M.³, Traini E.², Amenta F.², Tayebati S.K.²
The hippocampus of the obese Zucker (fa/fa) rats: a morphological and immunochemical study
¹School of Bioscience and Veterinary Medicine, University of Camerino, Camerino, Italy; ²School of Medicinal Sciences and Health Products, University of Camerino, Camerino, Italy; ³Department of Medicine, University of Leipzig, Leipzig, Germany.
73rd Meeting of the Italian Society of Anatomy and Histology (SIAI), 22–24 September 2019, Naples, Italy.
- 35.** **Martinelli I.**¹, Tayebati S.K.¹, Moruzzi M.², Micioni Di Bonaventura M.V.¹, Cifani C.¹, Amenta F.¹, Tomassoni D.³
Obesity affects the cerebral cholinergic system: evidence in high-fat diet fed rats
¹School of Medicinal Sciences and Health Products, University of Camerino, Camerino, Italy; ²Department of Medicine, University of Leipzig, Leipzig, Germany; ³School of Biosciences and Veterinary Medicine, University of Camerino, Camerino, Italy.
73rd Meeting of the Italian Society of Anatomy and Histology (SIAI), 22–24 September 2019, Naples, Italy.

Seminars and conferences

- 26 February 2016, Seminar: "Sperimentazione animale e DL 26/2014" (Camerino)
- 2 Mars 2016, Seminar: "Unmasking Molecular Targets for Treatment of Metabolic and Cancer Diseases" (Camerino)
- 16 Mars 2016, Seminar: "Anima, mente e corpo: dalla filosofia alle neuroscienze" (Camerino)
- 1 May 2016, Workshop: Horizon2020 for young researchers (Camerino)
- 22 April 2016: Workshop: Quali servizi e organizzazione a supporto della ricerca? (Camerino)
- 13 May 2016, Seminar: "Genetic analysis of population structure ENDOG program" (Camerino)
- 20 May 2016, Seminar: "Functional role of physical exercise on reactivation of adult neural stem cells" (Camerino)
- 23-24 May 2016, Seminar: "Research ethics and integrity" held by Ernesto Carafoli (Camerino) SAS ACTIVITIES
- 25-27 May 2016, Seminar: "English for writing research papers" held by Michael Zebrak (Camerino) SAS ACTIVITIES
- 17 June 2016, participation to "Doctoral Candidates Research Grants (DCR) 2016"; proposal full title: "A novel lipidic nanocarrier loaded with spermidine for the brain targeting in age-related diseases". Ranked third with Serena Logrippo and Benedetta Moreschini (PhD students).
- 28 June 2016, Conference: "Alimenti Funzionali e Nutraceutici per la Salute" (Camerino)
- 4 October 2016, Seminar: "Communicating science: hoaxes, tips and media cases" held by Federico Baglioni (Camerino) SAS ACTIVITIES
- 3, 5-6 October 2016, Seminar: "English for writing research papers" held by Michael Zebrak (Camerino) SAS ACTIVITIES
- 24-25 November 2016, Convegno nazionale del gruppo italiano per lo studio della neuromorfologia (G.I.S.N.), Verona.
- 16 Mars 2017, Seminar: "Stress post trauma: che fare?" Settimana del cervello (Camerino)
- 17 Mars 2017, Seminar: "Spina bifida: diagnosi ecografica e possibilità di terapia in utero (Camerino)
- 17-20 May 2017, Congress: ECO2017, 24th European Congress of obesity, 17-20 May 2017, (Porto).
- 22-25 May 2017, Workshop: "Team Work, Collaboration Communication, Collaboration and Career Readiness" held by Gloria E. Bader (Camerino) SAS ACTIVITIES
- 28 May-4 June 2017, Course: LEARNING AND MEMORY, CELLULAR AND MOLECULAR MECHANISMS. Neuroscience School of Advanced Studies (NSAS). Certosa di Pontignano, Siena (Italy).
- 4 July 2017, Alimenti e nutraceutici: qualità e salute del consumatore (Camerino)
- 12 July 2017, Seminar: "Overdominance at the SAMS1N1 Locus in Late-Onset Alzheimer's Disease" (Camerino).
- 30 November -1 December 2017, Convegno nazionale del gruppo italiano per lo studio della neuromorfologia (G.I.S.N.), Bologna.
- 24-27 September 2018, Seminar: Active learning approaches to improve teaching; On-line technologies for the Innovation of teaching; Istitutional Change for Gender Equality in Research and Higher Education Institutions; Open Science at UNICAM (Camerino). SAS ACTIVITIES
- 8 November 2018, Seminar: e-Learning and the future of the university education (Camerino)
- 30 November -1 December 2018, Convegno nazionale del gruppo italiano per lo studio della neuromorfologia (G.I.S.N.), Firenze.
- 5 April 2019, Workshop Science and Low. Cannabis tra i profili giuridici, tossicologici ed applicazione terapeutica.
- 6-7 June 2019, 1st International Conference on Neuroprotection by Drugs, Nutraceuticals and Physical Activity, Rimini, Italy.
- 9 July 2019 Convegno Cibo e nutraceutici: parola chiave "caratterizzazione" (Camerino).

Prize Winner of a prize money as young researchers in the context of the XXVI National Congress G.I.S.N. (2016)

- Courses**
- 2017 Neuroscience School of Advanced Studies (NSAS). LEARNING AND MEMORY, CELLULAR AND MOLECULAR MECHANISMS. Certosa di Pontignano, Siena (Italy).
 - Corso di formazione in materia di utilizzo gas tossici e criogenici D.Lgs. 81/2008 – Accordo Stato-Regioni 21/12/2011. Università di Camerino, Camerino (Italy).
 - 2018/2019 Percorso Formativo Propedeutico al Tirocinio per l'Insegnamento (PF 24), voto 28/30.

Personal Information I authorize the processing of personal data according to Decreto Legislativo 196/2003 "Codice in materia di protezione dei dati personali"

Camerino, 02/08/2019