

# Curriculum vitae

**Dragan MILENKOVIC**

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## Identification of cellular and molecular mechanisms of development and prevention of cardiometabolic and neurodegenerative diseases action using systems biology approach

### Education

- 2014 HDR Habilitation to supervise research and teach, University of Auvergne, Clermont-Ferrand, France
- 2003 Ph.D. PhD in molecular genetics, University of Versailles St-Quentin-en-Yvelines, France
- 2000 M.S. Master in Genome Analyses and Molecular Modeling (Genetics / Bioinformatics), University of Paris Diderot - Paris 7, France
- 1999 B.S. Third and fourth years of university degree in Genetics, Cell Biology and Physiology, University of Paris Diderot - Paris 7, France
- 1997 B.S. First and second university degree in Life Sciences, University of Tours, France
- 1995 Baccalaureat English Scientific Baccalaureate (O-level and A-level exams from University of London), Malta.

### Research Experience

- Since April 2017: **Visiting Research Scientist** at Dr John Rutledge's group at University of California Davis, School of Medicine, Division of Cardiovascular Medicine, Davis, CA, USA.  
*Effect of nutrients (lipids and micronutrients) on brain endothelial cells, blood-brain-barrier and cognitive dysfunction and use of systems biology approach to decipher underlying mechanisms of action*
  - Since January 2010: **Senior Research Scientist** in the unit of Human Nutrition, INRA (French National Institute for Agricultural Research), Clermont-Ferrand/Theix, France.  
*Integrated biology and nutria(epi)genomics of vascular-protective effects of polyphenols*
  - Sept. 2005 - Dec. 2009: **Junior Research Scientist** in the unit of Human Nutrition, INRA Clermont-Ferrand/Theix, France.  
*Role of polyphenols in prevention of atherosclerosis and underlying molecular mechanisms using omics approaches.*
  - June 2004 - July 2005: **Post-doctoral fellow** in the unit of Animal Molecular Genetics, University of Limoges, France.
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*Identification of the gene and causal mutation responsible for muscle hypertrophy in sheep breed "Texel" – development of molecular diagnosis test.*

- Oct. 2000 – Sept. 2003: **Ph.D. student** work in the laboratory of Biochemical Genetics and Cytogenetics, INRA, Jouy-en-Josas, France.

*Demonstration of genes of interest in the horse: integrated mapping and search for the causal mutation of junctional epidermolysis bullosa (skin disorder).*

- January - June 2000: **Training experience** in genome analysis and molecular modeling in the laboratory of Biochemical Genetics and Cytogenetics, INRA, Jouy-en-Josas, France.

*Cytogenetic location of genetic markers in the horse.*

- July - September 1998: **Training experience** in the laboratory of Molecular Genetics of Differentiation at the Institute of Jacques Monod, Paris, France.

*Identification of the interaction between the proteins of the *Drosophila melanogaster* in-vivo using transgenesis.*

## Awards and Honors

- 2018: Award for the best poster “7<sup>th</sup> Annual Alzheimer’s Research Symposium”, November 8, Davis, CA, USA
- 2018: Award for best oral presentation award “IUBMB Advanced School on Nutrition, Metabolism and Aging’ 15th- 19th October 2018, Petnica, Serbia
- 2017 : Award for the best poster “Workshop on omics breakthroughs in the health effects of plant food bioactive”, 20th-21st September 2017, Thessaloniki, Greece
- 2015: Award for the best poster “9<sup>th</sup> Congress of the International Society of Nutrigenetics/ Nutrigenomics”, May 17-19, Chapel Hill, NC, USA
- 2014: Research Price Award given by the French Society of Nutrition, France
- 2011: Award for the best poster “5<sup>th</sup> International Conference on Polyphenols and Health”, October 17-20, Barcelona, Spain
- 2009: Award for the best poster “4<sup>th</sup> International Conference on Polyphenols and Health”, December 7-11, Harrogate, UK
- 2003: Ph. D. with highest honors, University of Versailles St-Quentin-en-Yvelines, France
- 2000: M.S. with high honors, University of Paris 7, France
- 1999: B.S. with high honors, University of Paris 7, France
- 1995: Bacalaureate, with highest honors, Malta

## Leadership experiences

- Recently submitted:
  - “Impact of dry fruits on blood-brain-barrier, neuroinflammation and cognition in ApoE-/- mice”, International institut of nuts and dry fruits, USA, 160k\$ (Principal Investigator)
  - R21 in preparation: “Effect of dietary flavanols on white matter degeneration and cerebral vascular brain damage in human: potential mechanisms underlying their

- neuroprotective actions*" in collaboration with department of neurology and center of neuroscience (Principal Investigator)
- NIH-MMPC "*Effect of epicatechin on blood-brain-barrier, cognition and microbiota in mice on high-fat diet*", 125k\$ (Principal Investigator)
  - co-Investigator in the projet entitled "*Cardiovascular, metabolic, and sex effects on cognitive function*", project funded by Treadwell Foundation (2019-2020), \$175,000
  - Principal investigator of the project entitled "*Impact of epicatechin metabolites on brain endothelial cell function and identification of mechanisms of action using systems biology approach*", industry-funded grant (UC Davis), (2018-2020), \$80,000
  - Principal investigator of the project entitled "*Bioinformatic analyses of role of miRNAs in the Prevention of Endothelial Dysfunction by Dietary Bioactives*", project funded by Region of Auvergne Rhône-Alpes, (2017-2018), 100k\$
  - Co-Investigator in the project entitled "*Role of polyphenol-rich extracts from lemon and orange in prevention of metabolic disorders and type 2 diabetes – impact on gut microbiome and circulating miRNA*", project funded by Brazilian Agency of Research, collaboration with the University of Sao Paolo, Brazil (2018-2019), 25k\$
  - Principal investigator of the project entitled "*Integrated biology of omics data from clinical and in vitro studies*", INRA (2015-2016), 7k€
  - Co-leader of working group 2 of the European COST Action POSITIVE (FA1403): Interindividual variation in response to consumption of plant food bioactives and determinants involved. (2014-2018), EU, 600 k€
  - Principal investigator of the project entitled "*The impact of polyphenols on the expression of miRNAs and their target genes in endothelial cells*", Research Award given by the French Society of Nutrition, France (2014), 20k€
  - Principal investigator of the project on "*Micronutrients and modulation of miRNA expression profile of endothelial microparticles in inflammatory stress*", INRA (2014-2015), 12k€
  - Co-leader of the research project "*Effects of grapefruit juice consumption on vascular function and gene/miRNA expression - A human cross-over study*", Grant of Florida Department of Citrus, Florida States, USA, (2010-2013), 527 k€
  - Principal investigator of the project "*Determination of cellular and molecular mechanisms of orange juice polyphenols in human monocytes*" Grant of Florida Department of Citrus, Florida States, USA (2011-2012), 29 k€
  - Principal investigator of the project "*Identification of cellular and molecular targets of bioactive plant on human blood cells*" Scientific project and exchanges of excellence with laboratory from Institute for medical research, Belgrade, Serbia (2011-2013), 6k€
  - Task leader & Member of the Steering Committee of the European Project (FP7 - KBBE) FLAVIOLA "*Targeted delivery of dietary flavanols for optimal human cell function: Effects on cardiovascular health*", EU (2009-2013), 300 k€
  - Principal investigator of the project "*Impact of polyphenols on disorders of cognition and mood in apoE -deficient mice: transcriptomic and behavioral studies*", INRA (2009-2010), 12 k€

- Co-leader of the research project "*Effect of the consumption of orange juice on vascular protection and immune function - A human study on the Specific contribution of Citrus flavanones*", Grant of Florida Department of Citrus, USA (2007-2009), 250 k€
- Principal investigator of the project "*Polyphenols and expression of miRNAs*" INRA (2006-2007), 12 k€
- Task leader of the European Project (FP6 - KBBE) FLAVO "*Flavonoids in fruits and vegetables: their impact on food quality, nutrition and health*", EU (2005-2009), 220 k€

## Conferences

*32 Invited conferences; 17 selected oral communications and more than 100 poster communications in national and international conferences.*

### Invited conferences:

#### **2019:**

- **Milenkovic D.** Systems biology revealed novel mechanisms of action of polyphenols. 9th International Conference on Polyphenols and Health. November 28-December 5, 2019, Kobe, Japan
- **Milenkovic D.** Flavonoids and Vascular health: complex genomic relationship. Nutrition 2019, American Society of Nutrition's annual meeting. June 8-11, 2019, Baltimore, MD, USA
- **Milenkovic D.** Inflammation and Human Diseases: Impact of wine polyphenols. 2019 International Wine & Health Summit, May 5 - 7, 2019, Davis, CA, USA
- **Milenkovic D.** Polyphenols and diseases prevention. First International Congress of Health Care Professionals. February 22-23, 2019, Belgrade, Serbia

#### **2018:**

- **Milenkovic D.** Orange juice and cardiovascular disease. 1st International Symposium on Citrus Bioactive Compounds and Health Benefits", March 22-23, 2018, São Paulo, Brazil
- **Milenkovic D.** Use of systems biology approach to study mechanisms of action of polyphenols related to their cardiovascular diseases protective effect. April 12 2018, University of Belgrade, Serbia
- **Milenkovic D.** Evaluation of cellular and molecular targets of plant food bioactives: implications for inter-individual variability. Final conference of European COST project POSITIVE: POSITIVe : Interindividual variation in response to consumption of plant food bioactives and determinants involved. September 25-26 2018. Lisbon, Portugal
- **Milenkovic D.** Nutrigenomic modulations in the fruit polyphenols preventive effect on cardiovascular disease. 5th International Conference on Resveratrol and Health. October 18-20 2018, Xi'an, China

#### **2017:**

- **Milenkovic D.** Polyphenols and non-coding RNAs. 8th International Conference on Polyphenols and Health, 3-6 October 2017, Quebec, Canada.
- **Milenkovic D** Use of nutrigenomics to decipher mechanisms of action of polyphenols mediates their cardiovascular protective effect. Linus Pauling Diet and Optimum Health conference, 13–16 September 2017, Corvallis, OR, USA.

## Publications

List of published papers can be found on this PubMed “My Bibliography” URL link:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1nUjshzqqv85v/bibliography/53532675/public/?sort=date&direction=ascending>

- Nuthikattu S, **Milenkovic D**, Rutledge J, Villablanca A. Chronic Consumption of the Western Diet Injures the Hippocampal Microvasculature of Female Mice: Integrated Genomic Analyses. *Under revision for Biology of Sex Differences*
- Sinegre T, Teissandier D, **Milenkovic D**, Mazur A, Morand C, Lebreton A. Epicatechin impacts primary hemostasis, coagulation and fibrinolysis. Submitted to *Molecular Nutrition and Food Research*
- **Milenkovic D**, Declerck K, Claude S, Morand C, Vander Berghe W. Epicatechin metabolites exert epigenetic regulation in endothelial cells by modulating DNA methylation profile. Final version ready for submission to *Frontiers in genetics*
- **Milenkovic D**, Nuthikattu S, Rutledge J, Villablanca A. Effect of lipid injury on microvasculature in males following chronic consumption of the western diet: nutrigenomic analyses. *In preparation for Journal of Lipid research*
- **Milenkovic D**, Dinel AL, Krga I, Laye S, Castanon N. Nutrigenomic effect of anthocyanin-rich extract in hypothalamus of ApoE<sup>-/-</sup> mice. *In preparation for Molecular Nutrition and Food Research*
- Milenkovic D, Thomas S, Verny MA, Rome S, Morand C, Lebreton A. Curcumin reduces TNF $\alpha$ -induced microparticle release from endothelial cells and modulates miRNA profile. In preparation for *Nutrients*
  
- Krga I and **Milenkovic D**. Anthocyanins: from sources and bioavailability to health effects and molecular mechanisms of action. *Journal of agricultural Food Chemistry (in press)*
- Rodriguez-Mateos A, Istas G, Boschek L, Feliciano R, Mills C, Boby C, Gomez-Alonso S, **Milenkovic D**, Heiss C. Circulating anthocyanin metabolites mediate vascular benefits of blueberries: mechanistic insight from metabolomics and nutrigenomic analyses. *Journal of Gerontology (in press)*
- **Milenkovic D**, Morand C, van de Sandt A, Gorressen S, Monfoulet LE, Declerck K, Szarc vel Szić K, Gerhauser C, Vanden Berghe W, Claude S, Heiss C, Merx M, Kelm M. A systems biology network analysis of nutri(epi)genomic changes in endothelial cells exposed to epicatechin metabolites. *Scientific Reports* 2018 8:15487
- Krga I, Tamaian R, Mercier S, Boby C, Glibetic M, Morand C, and **Milenkovic D**. Anthocyanins and their gut metabolites attenuate monocyte adhesion and transendothelial migration through

- nutrigenomic mechanisms regulating endothelial cell permeability. *Free radical biology & medicine* 2018 Aug 20; 124:364-379
- Yokoyama A, Dunaway K, Rutkowsky J, Rutledge J, and **Milenkovic D**. Chronic consumption of a Western diet modifies the DNA methylation profile in the frontal cortex of mice. *Food Funct.* 2018 Feb 21;9(2):1187-1198
  - Krga I, Vidovic N, **Milenkovic D**, Konic-Ristic A, Stojanovic F, Morand C, Glibetic M. Effects of anthocyanins and their gut metabolites on adenosine diphosphate-induced platelet activation and their aggregation with monocytes and neutrophils. *Arch Biochem Biophys.* 2018 May 1;645:34-41
  - Morand C, Barber-Chamoux N, Monfoulet LE, and **Milenkovic D**. Dietary (poly)phenols and vascular health. *Recent Advances in Polyphenol Research* 2018
  - Miquel S, Champ C, Day J, Aarts E, Bahr B, Bakker M, Bánáti D, Calabrese V, Cederholm T, Cryan J, Dye L, Farrimond J, Korosi L, Layé S, Maudsley S, **Milenkovic D**, Mohajeri M, Sijben J, Solomon A, Spencer J, Thuret S, Vanden Berghe W, Vauzour D, Vellas B, Wesnes K, Willatts P, Wittenberg R, Geurts L. Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. *Ageing Res Rev.* 2017 Dec 15;42:40-55
  - Barber-Chamoux N, **Milenkovic D**, Verny MA, Habauzit V, Pereira B, Richard D, Mazur A, Lusson JR, Dubray C, Morand C. Acute intake of curcumin differently affects endothelial function and nutrigenomic response in male and female smokers: a randomized controlled trial. *Molecular Nutrition and Food Research* 2017 Oct 15
  - Monfoulet LE, Mercier S, Bayle D, Tamaian R, Barber-Chamoux N, Morand C, **Milenkovic D**. Curcumin modulates endothelial permeability and monocyte transendothelial migration by affecting endothelial cell dynamics. *Free radical biology & medicine.* 2017; 112:109-120.
  - **Milenkovic D**, Morand C, Cassidy A, Konic-Ristic A, Tomás-Barberán F, Ordovas JM, Kroon P, De Caterina R, Rodriguez-Mateos A. Interindividual Variability in Biomarkers of Cardiometabolic Health after Consumption of Major Plant-Food Bioactive Compounds and the Determinants Involved. *Advances in nutrition.* 2017; 8(4):558-570.
  - Menezes R, Rodriguez-Mateos A, Kaltsatou A, González-Sarrías A, Greyling A, Giannaki C, Andres-Lacueva C, **Milenkovic D**, Gibney ER, Dumont J, Schär M, Garcia-Aloy M, Palma-Duran SA, Ruskovska T, Maksimova V, Combet E, Pinto P. Impact of Flavonols on Cardiometabolic Biomarkers: A Meta-Analysis of Randomized Controlled Human Trials to Explore the Role of Inter-Individual Variability. *Nutrients.* 2017; 9(2).
  - Ajdžanović V, Jarić I, Miler M, Filipović B, Šošić-Jurjević B, Ristić N, **Milenkovic D**, Milošević V. Diosgenin-caused changes of the adrenal gland histological parameters in a rat model of the menopause. *Acta histochemica.* 2017; 119(1):48-56.
  - Manach C, **Milenkovic D** (*equal contribution of the first 2 authors*), Van de Wiele T, Rodriguez-Mateos A, de Roos B, Garcia-Conesa MT, Landberg R, Gibney ER, Heinonen M, Tomás-Barberán F, Morand C. Addressing the inter-individual variation in response to consumption of plant food bioactives: Towards a better understanding of their role in healthy aging and cardiometabolic risk reduction. *Molecular nutrition & food research.* 2017; 61(6).
  - Miler M, Živanović J, Ajdžanović V, Oreščanin-Dušić Z, Milenković D, Konić-Ristić A, Blagojević D, Milošević V, Šošić-Jurjević B. Citrus flavanones naringenin and hesperetin improve antioxidant

- status and membrane lipid compositions in the liver of old-aged Wistar rats. *Experimental gerontology*. 2016; 84:49-60.
- Krga I, Milenkovic D, Morand C, Monfoulet LE. An update on the role of nutrigenomic modulations in mediating the cardiovascular protective effect of fruit polyphenols. *Food & function*. 2016; 7(9):3656-76.
  - Krga I, Monfoulet LE, Konic-Ristic A, Glibetic M, Morand C and **Milenkovic D**. Anthocyanins and their gut metabolites reduce the adhesion of monocyte to TNF $\alpha$ -activated endothelial cells at physiologically relevant concentrations. *Archives of Biochemistry and Biophysics* 2016 Jun 1;599:51-9
  - Declerck K, Szarc vel Szic K, Palagani A, Heyninck K, Haegeman G, Morand C, **Milenkovic D** and Vanden Berghe W. Epigenetic Control of Cardiovascular Health by Nutritional Polyphenols Involves Multiple Chromatin-Modifying Writer-Reader-Eraser Proteins. *Current Topics in Medicinal Chemistry* 2016;16(7):788-806
  - Angeloni C, Maraldi T, **Milenkovic D**, Vauzour D. Dietary Polyphenols and Their Effects on Cell Biochemistry and Pathophysiology. *Oxid Med Cell Longev*. 2015;2015:782424.
  - Ajdzanovic V, Jakovljevic V, **Milenkovic D**, Konic-Ristic A, Zivanovic J, Jaric I, Milosevic V. Positive effects of naringenin on near-surface membrane fluidity in human erythrocytes. *Acta Physiologica Hungarica*, 2015 Volume 102 (2), 131–136,
  - Habauzit V, Verny M, **Milenkovic D**, Barber-Chamoux N, Mazur A, Dubray C and Morand C. Flavanones protect from arterial stiffness in postmenopausal women consuming grapefruit juice for 6-months: A randomized controlled crossover trial. *American Journal of Clinical Nutrition*. 2015 Jul;102(1):66-74.
  - Claude S, Boby C, Rodriguez-Mateos A, Spencer J, Gérard N, Morand C and **Milenkovic D** Flavanol metabolites reduce monocyte adhesion to endothelial cells through modulation of expression of genes via p38-MAPK and p65-Nf-kB pathways. *Molecular Nutrition & Food Research*. 2014 58:1016-1027.
  - **Milenkovic D**, Vanden Berghe W, Boby C, Leroux C, Declerck K, Szarc vel Szic K, Heyninck K, Laukens K, FuksF, Haegeman G, Haenen G, Bast A, Weseler A. Dietary flavanols modulate the transcription of genes involved in cardiovascular pathology with complex changes of their DNA methylation state. *PLoS One*. 2014 Apr 24;9(4):e95527.
  - Afman L, **Milenkovic D**, Roche HM. Nutritional aspects of metabolic inflammation in relation to health-insights from transcriptomic biomarkers in PBMC of fatty acids and polyphenols. *Mol Nutr Food Res*. 2014 Jan 21. doi: 10.1002/mnfr.201300559.
  - **Milenkovic D**, Jude B, Morand C. miRNA as post-translational targets of polyphenols. *Free Radical Biology and Medicin* 2013 Sep;64:40-51.
  - Chanet A, **Milenkovic D**, Claude S, Maier JAM, Khan M, Shinkaruk S, Bérard AM, Bennetau-Pelissero C, Mazur A, Morand C. Flavanone metabolites decrease monocyte adhesion to endothelial cells by modulating expression of related genes. *British Journal of Nutrition* 2013 Jan 21:1-12.
  - Chanet A, Wizinska P, Polakof S, Mazur A, Bennetau-Pelissero C, Morand C, Bérard A and **Milenkovic D**. Naringin at a nutritional dose modulates expression of genes related to lipid

- metabolism and inflammation in liver of mice fed a high-fat diet. *Nutrition and Aging* 2012 (1):113-123.
- Coban D, **Milenkovic D**, Chanet A, Khallou-Laschet J, Sabbe L, Palagani A, Vanden Berghe W, Mazur A, Morand C. Dietary curcumin inhibits atherosclerosis by affecting the expression of genes involved in leukocyte adhesion and transendothelial migration. *Mol Nutr Food Res.* 2012 Aug;56(8):1270-81.
  - Chanet A, **Milenkovic D**, Manach C, Mazur A, Morand C. Citrus flavanones: what is their role in cardiovascular protection? *J Agric Food Chem.* 2012 Sep 12;60(36):8809-22.
  - **Milenkovic D**, Deval C, Gouranton E, Morand C, Mazur A. Modulation of expression of miRNA by dietary polyphenols in apoE deficient mice: new molecular targets of polyphenols. *PLoS ONE* 2012, 7(1): e29837.
  - Simon J, **Milenkovic D**, Godet E, Cabau C, Collin A, Métayer-Coustard S, Rideau N, Tesseraud S, Derouet M, Crochet S, Cailleau-Audouin E, Hennequet-Antier C, Gespach C, Porter TE, Duclos MJ, Dupont J, Cogburn LA. Insulin immuno-neutralization in fed chickens: effects on liver and muscle transcriptome. *Physiol Genomics* 2012 Mar 1;44(5):283-92.
  - Chanet A, **Milenkovic D**, Deval D, Potier M, Constans J, Bennetau-Pelissero C, Mazur A., Morand C., Bérard A.M. Dietary Naringin differentially affects atherosclerosis development in mouse models of atherosclerosis. *J Nutr Biochem.* 2012 May;23(5):469-77.
  - Mauray A, Felgines C, Morand C, Mazur A, Scalbert A and **Milenkovic D**. Bilberry anthocyanin-rich extract alters expression of genes related to atherosclerosis development in aorta of apo E-deficient mice. *Nutr Metab Cardiovasc Dis.* 2012 Jan;22(1):72-80.
  - **Milenkovic D**, Deval C, Mazur A, Morand C. Orange juice and hesperidin modify the expression of cardiovascular-related genes in leukocytes in human volunteers. *PloS ONE* 2011, 6(11): e26669.
  - Morand C, **Milenkovic D**, Lioger D, Martin JF, Dubray C, Scalbert A, Mazur A. Hesperidin contributes to the vascular protective effects of orange juice – A randomized cross over study on healthy volunteers. *Am J Clin Nutr.* 2011 Jan;93(1):73-80.
  - Auclair S, Chironi G, **Milenkovic D**, Hollman P, Renard C, Mégnien JL, Gariépy J, Paul JL, Simon A, Scalbert A. The regular consumption of a polyphenol-rich apple does not influence endothelial function: a randomised double-blind trial in hypercholesterolemic adults. *Eur J Clin Nutr.* 2010 Oct;64(10):1158-65.
  - Mauray A, Felgines C, Morand C, Mazur A, Scalbert A and **Milenkovic D**. Nutrigenomic analysis of the protective effects of bilberry anthocyanin-rich extract in apo E-deficient mice. *Genes Nutr.* 2010 Dec;5(4):343-53.
  - Dejeans N, Maier J, Tauveron I, **Milenkovic D** and Mazur A. Modulation of gene expression in endothelial cells by hyperlipaemic postprandial serum from healthy volunteers. *Genes and Nutrition* 2010 Vol. 5 (3):263-274.
  - Mauray A, **Milenkovic D**, Besson C, Caccia N, Morand C, Michel F, Mazur A, Scalbert A, Felgines C. Atheroprotective effects of bilberry extracts in apo E-deficient mice. *J Agric Food Chem.* 2009 Dec 9;57(23):11106-11.



- Dejeans N, Auclair S, Chauvet S, **Milenkovic D**, Mazur A. Transcriptomic analysis of aorta from a short-term high-fat diet fed mouse reveals changes in the expression of vessel structure genes. *J Physiol Pharmacol*. 2009 May;60 Suppl 1:37-45.
- Auclair S, **Milenkovic D**, Besson C, Gueux E, Morand C, Mazur A and Scalbert A. Catechin reduces atherosclerotic lesion development in apo E-deficient mice: a transcriptomic study. *Atherosclerosis*. 2009 Jun;204(2):e21-7.
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- Auclair S, Silberberg M, Gueux E, Morand C, Mazur A, **Milenkovic D** and Scalbert A. Apple bioactive constituents attenuate atherosclerosis in apolipoprotein E-deficient mice. *Journal of Agricultural and Food Chemistry J Agric Food Chem*. 2008 Jul 23;56(14):5558-63.
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- Hamelin M, Sayd T, Chambon C, Bouix J, Bibe B, **Milenkovic D**, Leveziel H, Georges M, Clop A, Marinova P, and Laville E. Proteomic analysis of ovine muscle hypertrophy. *J Anim Sci* 2006 84: 3266-3276.
- Hamelin M, Sayd T, Chambon C, Bouix J, Bibé B, **Milenkovic D**, Leveziel H, Georges M, Clop A, Marinova P, Laville E. Differential expression of sarcoplasmic proteins in four heterogeneous ovine skeletal muscles. *Proteomics*. 2007 Jan;7(2):271-80.
- **Milenkovic D**, Mariat D, Swinburne J, Chadi-Taourit S, Binns M and Guerin G. Characterization and localization of 17 microsatellites derived from BACs in the horse. *Anim Genet* 2005 36: 164-166.
- **Milenkovic D**, Mata X, Chadi S and Guerin G. cDNA sequence of the horse (*Equus caballus*) LAMA3 gene and characterization of two intronic SNP markers. *DNA Seq* 2005 16: 468-473.
- **Milenkovic D**, Chaffaux S, Taourit S and Guerin G. A mutation in the LAMC2 gene causes the Herlitz junctional epidermolysis bullosa (H-JEB) in two French draft horse breeds. *Genet Sel Evol* 2003 35: 249-256.
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- **Milenkovic D**, Martin P, Guerin G, and Leroux C. A specific pattern of splicing for the horse alphaS1-Casein mRNA and partial genomic characterization of the relevant locus. *Genet Sel Evol* 2002 34: 509-519.

**Book Chapters**

- **Milenkovic D**, Krga I, Aung HH, Leroux C. (2018) Molecular Nutrition and Epigenetics. *Reference Module in Food Science* 2018 Elsevier, pp. 1–6
- Leroux C, **Milenkovic D**, Mobuchon L, Le Guillou S, Faulconnier Y, German B, Le Provost F. (2017) Nutritional Regulation of Mammary miRNome: Implications for Human Studies; In: Handbook of Nutrition, Diet, and Epigenetics. Edited by Patel V and Preedy V. pp 1-17, Springer edition.
- Habauzit V, **Milenkovic D** and Morand C (2014). Vascular protective effects of fruits phenolics. In: Polyphenols in Health & Diseases. Edited by Watson RR PV, Zibadi S eds. pp. 875-889, Elsevier editions.