

UNIVERSITA' DEGLI STUDI e-CAMPUS  
FACOLTA' di Psicologia  
Corso di studi in Scienze Biologiche

DOTT. SSA Alice Matone

La dott.ssa Alice Matone si è laureata in Biotecnologie genomiche all'Università Sapienza di Roma nel 2009 con 110 e lode.

**Altri titoli post lauream:**

Dottorato di ricerca in Medicina all'Università Cattolica del Sacro Cuore di Roma, concluso nel 2013;  
Master di I livello "La scienza nella pratica giornalistica" presso l'Università Sapienza di Roma;

**Pubblicazioni:**

- Y Ling, J Carayol, B Galusca, C Canto, C Montaurier, A Matone, I Vassallo, et al. Persistent low body weight in humans is associated with higher mitochondrial activity in white adipose tissue. *The American journal of clinical nutrition* 2019 Sep 1;110(3):605-616. doi: 10.1093/ajcn/nqz144.
- Michelini S, Balakrishnan B, Parolo S, Matone A, Mullaney JA, Young W, Gasser O, Wall C, Priami C, Lombardo R, Kussmann M. A reverse metabolic approach to weaning: in silico identification of immune-beneficial infant gut bacteria, mining their metabolism for prebiotic feeds and sourcing these feeds in the natural product space. *Microbiome*. 2018 Sep 21;6(1):171. doi: 10.1186/s40168-018-0545-x.
- Uluseker C, Simoni G, Marchetti L, Dauriz M, Matone A, Priami C. A closed-loop multi-level model of glucose homeostasis. *PLoS One*. 2018 Feb 8;13(2):e0190627. doi: 10.1371/journal.pone.0190627. eCollection 2018.
- Lacroix S, Klicic Badoux J, Scott-Boyer MP, Parolo S, Matone A, Priami C, Morine MJ, Kaput J, Moco S. A computationally driven analysis of the polyphenol-protein interactome. *Sci Rep*. 2018 Feb 2;8(1):2232. doi: 10.1038/s41598-018-20625-5.
- Matone A, Derlindati E, Marchetti L, Spigoni V, Dei Cas A, Montanini B, Ardigò D, Zavaroni I, Priami C, Bonadonna RC. Identification of an early transcriptomic signature of insulin resistance and related diseases in lymphomonocytes of healthy subjects. *PLoS One*. 2017 Aug 4;12(8):e0182559. doi: 10.1371/journal.pone.0182559. eCollection 2017.
- Matone A, Scott-Boyer MP, Carayol J, Fazlzadeh P, Lefebvre G, Valsesia A, Charon C, Vervoort J, Astrup A, Saris WH, Morine M, Hager Network Analysis of Metabolite GWAS Hits: Implication of CPS1 and the Urea Cycle in Weight Maintenance. *J. PLoS One*. 2016 Mar 3;11(3):e0150495. doi: 10.1371/journal.pone.0150495. eCollection 2016.
- Matone A, O'Grada CM, Dillon ET, Morris C, Ryan MF, Walsh M, Gibney ER, Brennan L, Gibney MJ, Morine MJ, Roche HM. Body mass index mediates inflammatory response to acute dietary challenges. *Mol Nutr Food Res*. 2015 Nov;59(11):2279-92. doi: 10.1002/mnfr.201500184. Epub 2015 Sep 22.
- Alice Matone, Melissa J Morine, Colm O'Grada, Eileen Gibney, Miriam Ryan, Mike Gibney, Lorraine Brennan, Helen M Roche. Aerobic fitness of healthy adults in relation to metabolomic and transcriptomic response to acute metabolic challenges. *European Summer school on Nutrigenomics, Camerino, Italy Palazzo Ducale, 1st-5th September*
- A. Matone, M.P. Scott Boyer, M.J. Morine, P. Fazlzadeh, C. Charon, J. Vervoort, W. Saris and J. Hager. Role of CPS1 and urea cycle in weight maintenance: results from the Diogenes project. *NuGOweek 2014, Castellammare di Stabia, Napoli, Italy 8-11 September 2014*
- De Gaetano A, Panunzi S, Matone A, Samson A, Vrbikova J. Routine OGTT: A Robust Model Including Incretin Effect for Precise Identification of Insulin Sensitivity and Secretion in a Single Individual. *PlosOne*, August 29, 2013, 8(8):e70875, doi: 10.1371/journal.pone.0070875.

- Puntip Toghaw, Alice Matone, Yongwimon Lenbury, Andrea De Gaetano. Bariatric surgery and T2DM improvement mechanisms: a mathematical model. *Theoretical Biology and Medical Modelling* 2012, 9:16 doi:10.1186/1742-4682-9-16
- Andrea De Gaetano, Alice Matone, Annamaria Agnes, Pasquale Palumbo, Francesco Ria, Sabina Magalini. Modeling Rejection Immunity. *Theoretical Biology and Medical Modelling* 2012, 9:18 doi: 10.1186/1742-4682-9-18. Tesi di dottorato
- Andrea Fagiolini, Alice Matone, Claudio Gaz, Simona Panunzi, Andrea De Gaetano. Confronto farmaco-economico di Ziprasidone con altri antipsicotici atipici per il trattamento della schizofrenia. *Farmeconomia e percorsi*, 2011; 12(1): 21-31
- Sutharot Lueabunchong, Yongwimon Lenbury, Simona Panunzi, Alice Matone. Statistical Evaluation of a Glucose/Insulin Nonlinear Differential Equation Model with Classical and Bayesian Procedures. *Recent Researches in Applied Computers and Computational Science*, ISBN: 978-1-61804-084-8, pg 35-40.
- Sutharot Lueabunchong, Yongwimon Lenbury, Simona Panunzi, and Alice Matone. Comparison of Markov Chain Monte Carlo and Generalized Least Square Methods on a Model of Glucose / Insulin Dynamics with GLP1- DPP4 Interaction. *International Journal of Mathematics and Computers in Simulation*, Issue 3, Volume 6, 2012.
- A. De Gaetano, A. Matone\*, A.M. Agnes, P. Palumbo, F. Ria, S. Magalini. Modeling Rejection Immunity. Italian Society for Organ Transplantation, 35th National Congress, Hotel Parco dei Principi, Roma. \*Presenting author.
- I. Casorelli, P. Pichierri, M. T. Voso, P. Chiusolo, R. Pescosolido, A. Matone, I. Iavarone, P. Grammatico, G. Leone and M. Bignami. Alterations in the genome surveillance pathways in therapy related acute leukaemias and myelodysplastic syndromes (tAML/MDS). 38th Annual Meeting of the European Environmental Mutagen Society, September, 21-25. 2008, Cavtat, Croatia.



