

CURRICULUM VITAE NOME COGNOME

PERSONAL INFORMATION

Surname, Name	NOME COGNOME
Address	ISA-CNR, VIA ROMA, 64 - 83100, AVELLINO, ITALY
Telephone	+39 0825 299371
Fax	+39 0825 299641
E-mail	mauro.rossi@isa.cnr.it
Website	http://www.cnr.it/people/mauro.rossi
ORCID/SCOPUS	Web of Science Researcher ID B-5930-2012
Nationality	ITALIAN

WORK EXPERIENCE

Period (from – to)	OCTOBER 2019 - PRESENT
Name of employer	National Research Council of Italy, Institute of Food Sciences (CNR-ISA)
Type of business or sector	Public Research Institution
Occupation or position held	Research Director

EDUCATION

Period (from – to)	1985
Name and type of organization providing education	University Federico II, Naples Italy
Title of qualification awarded	Degree In Biological Sciences, summa cum laude

NATIVE LANGUAGE **ITALIAN**

OTHER LANGUAGES

	ENGLISH
Reading	C2
Writing	C1
Talking	C1

Research Activities/Projects (main)

Ministry of University and Research. ARS01_00783 ALIFUN project – “Development of functional foods for the innovation of traditional Italian food products”, 04/30/2021-10/30/2023, coordinator and head researcher,.

Celiac Foundation. “Down-regulation of Immunogenic and cytotoxic properties of gliadin through its enzymatic transamidation or via the activation of the Nrf2 pathway”.8/22/2019-8/21/2022; head researcher,

Horizon 2020” PON I&C 2014-2020. Prog. n. F/0500079/00/X32 “Gluten free cereal, nougat and dragées bars produced using organic matrices and with specific functional properties”,11/22/2017-11/21/2020 head researcher

Publications

123 articles in International Scientific Journals (ISI WoS)

1 Book (edited)

16 Chapters in books (16 international),

3 patents

Date, 01-06-2022

Main publications

Rossi M, Maiuri L, Fusco MI, Salvati VM, Fuccio A, Auricchio S, Mantei N, Zecca L, Gloor SM, Semenza G. Lactase persistence versus decline in human adults: multifactorial events are involved in down regulation after weaning. *Gastroenterology* 1997; 112: 1506-1514.

Harvey CB, Hollox EJ, Poulter M, Wang Y, Rossi M, Auricchio S, Iqbal TH, Cooper B, Barton R, Sarner M, Korpela R, Swallow DM. Lactase haplotype frequencies in caucasians: association with the lactase persistence/non-persistence polymorphism. *Annals of Human Genetics* 1998; 62: 215-223.

Senger S, Maurano F, Mazzeo MF, Gaita M, Fierro O, David CS, Troncone R, Auricchio S, Siciliano RA, Rossi M. Identification of immunodominant epitopes of alpha-gliadin in HLA-DQ8 tg mice following oral immunisation. *Journal of Immunology*, 2005; 175: 8087-8095.

Bergamo P, Luongo D, Maurano F, Mazzarella G, Stefanile R, Rossi M. Conjugated linoleic acid enhances glutathione synthesis and attenuates pathological signs in MRL/MpJ-Fas(lpr) mice. *Journal of Lipid Research* 2006 Nov;47(11):2382-91.

Gianfrani C, Siciliano RA, Facchiano AM, Camarca A, Mazzeo MF, Costantini S, Salvati VM, Maurano F, Mazzarella G, Iaquinto G, Rossi M. Transamidation inhibits the intestinal immune response to gliadin in vitro, *Gastroenterology* 2007;133:780–789.

Luongo D, Miyamoto J, Bergamo P, Nazzaro F, Baruzzi F, Sashihara T, Tanabe S, Rossi M. Differential modulation of innate immunity in vitro by probiotic strains of *Lactobacillus gasseri*. *BMC Microbiology*, 2013 Dec 23;13(1):298.

Mazzarella G, Bergamo P, Maurano F, Luongo D, Aufiero VR, Bozzella G, Palmieri G, Troncone R, Auricchio S, David C, Rossi M. Gliadin intake alters the small intestinal mucosa in indomethacin treated HLA-DQ8 transgenic mice. *American Journal of Physiology Gastrointestinal Liver Physiology*. 2014 Aug 1;307(3):G302-12.

Treppiccione L, Ottombrino A, Luongo D, Maurano F, Manteca Á, Lombó F, Rossi M. Development of gluten with immunomodulatory properties using mTG-active food grade supernatants from *Streptomyces mobaraensis* cultures. *Journal of Functional Foods*, 2017; 34:390-397.

Rossi S, Giordano D, Mazzeo MF, Maurano F, Luongo D, Facchiano A, Siciliano RA, Rossi M. Transamidation down-regulates intestinal immunity of recombinant α -gliadin in HLA-DQ8 transgenic mice. *International Journal of Molecular Sciences*, 2021, 22, 7019.