

CURRICULUM VITAE

Maggio 2021

Name **Marcello Chiappa**
Sex Male
Date, Place of birth: 02 Nov 1974, Bari, Italy
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Education

Oct 1999 Graduated in Biology, University of Bari, Italy
Nov 2002 Specialized in Pharmacology, Mario Negri Institute, Milan, Italy
July 2018 Certificate in Advanced English C2
April 2019 PhD in in Drug Discovery and Development, University of Salerno

Research Experience

July 2017-until now Student of the School of Specialization University of Pavia “Scienza dell’alimentazione”
July 2015-until now Adjunct Senior Researcher in the School of Health Sciences at the University of Tasmania
Dec 2018- Dec 2021 Research Contract, IRCCS “de Bellis” Castellana Grotte (BA), Italy
Sept 2010-Nov 2018 Principal Investigator, IRCCS “de Bellis” Castellana Grotte (BA), Italy
Nov 2013- 2020 Visiting Scientist, Department of Pediatrics, Massachusetts General Hospital Boston, MA, USA
Sept 2019- Oct 2020 Director of Immunology and Cell Biology, European Biomedical Research of Salerno, Italy
Jan 2016- Sept 2019 Scientific coordinator, European Biomedical Research of Salerno, Italy
Nov 2015- Apr 2019 Student of the PhD program in Drug Discovery and Development, University of Salerno
2014-2015 Professor of Anatomy, Department of Pharmacy, University of Salerno, Italy
July 2013- Oct 2014 Courtesy Staff, Department of Pediatrics, Massachusetts General Hospital Boston, MA, USA
Sept 2011- Dec 2013 Adjunct Assistant Professor, Department of Pediatrics, School of Medicine, University of Maryland, Baltimore, MD, USA
May 2008- July 2009 Staff Scientist in the Laboratory of Immunobiology of Dendritic Cells and Immunotherapy, European Institute of Oncology, Dept. of Experimental Oncology, Via Ripamonti 435, Milan, Italy
Jun 2003- May 2008 Visiting fellow in the Lymphocyte Biology Section, Laboratory of Immunology. Institute of Allergy and Infectious Diseases, National Institutes of Health. Bethesda, MD, USA
Dec 2002- Jun 2003 Post-Specialization fellow in the Immunology and cell Biology Section, Laboratory of Immunology, “Mario Negri” Institute, Milan, Italy
Nov 1999- Nov 2002 Student of the School of Specialization in pharmacology in the Immunology and cell Biology Section, Laboratory of Immunology, “Mario Negri” Institute, Milan, Italy

Courses

2022 La terapia botanica, prebiotica e probiotica di precisione nel paziente complesso con diabesità: UN APPROCCIO INTEGRATO 15/02/2022-30/03/2022 - 9.00 E.C.M. 2022
2021 Nutrizione e Neurodegenerazione, 42.00 E.C.M. 2021
2021 Principi di Dietetica e Nutrizione Clinica 01/09/2021-31/08/2021
2004 Translational Research in Clinical Oncology. Centre for Cancer Research, National Cancer Institute, National Institutes of Health, Bethesda, MD, USA
2002 Gene Therapy: Clinical application. University of Bicocca, Milan, Italy

Publications: 81

Total IF: 512
Total Citations: 9307
H index: 32

2022

The establishment of the gut microbiota in 1-year-aged infants: from birth to family food.
Vacca M, Raspini B, Calabrese FM, Porri D, De Giuseppe R, **Chiappa M**, Liso M, Cerbo RM, Civardi E, Garofoli F, Cena H, De Angelis M.

Eur J Nutr. 2022 Feb 25. doi: 10.1007/s00394-022-02822-1.
I.F.: 5.614 cited:0

Nutritional Regimes Enriched with Antioxidants as an Efficient Adjuvant for IBD Patients under Infliximab Administration, a Pilot Study.

Liso M, Sila A, Verna G, Scarano A, Donghia R, Castellana F, Cavalcanti E, Pesole PL, Sommella EM, Lippolis A, Armentano R, Giudetti AM, Vergara D, Campiglia P, Sardone R, Curlo M, Mastronardi M, Petroni K, Tonelli C, Santino A, **Chieppa M.**

Antioxidants (Basel). 2022 Jan 8;11(1):138. doi: 10.3390/antiox11010138.

I.F.: 6.313 cited:0

2021

Hop-derived fraction rich in beta acids and prenylflavonoids regulates the inflammatory response in dendritic cells differently from quercetin: unveiling metabolic changes by mass spectrometry-based metabolomics.

Sommella E, Verna G, Liso M, Salviati E, Esposito T, Carbone D, Pecoraro C, **Chieppa M**, Campiglia P.

Food Funct. 2021 Dec 3. doi: 10.1039/d1fo02361f.

I.F.: 5.396 cited:0

Quercetin Administration Suppresses the Cytokine Storm in Myeloid and Plasmacytoid Dendritic Cells.

Verna G, Liso M, Cavalcanti E, Bianco G, Di Sarno V, Santino A, Campiglia P, **Chieppa M.**

Int J Mol Sci. 2021 Aug 3;22(15):8349. doi: 10.3390/ijms22158349.

I.F.: 5.923 cited:1

Microbiome signatures of progression toward celiac disease onset in at-risk children in a longitudinal prospective cohort study.

Leonard MM, Valitutti F, Karathia H, Pujolassos M, Kenyon V, Fanelli B, Troisi J, Subramanian P, Camhi S, Colucci A, Serena G, Cucchiara S, Trovato CM, Malamisura B, Francavilla R, Elli L, Hasan NA, Zomorodi AR, Colwell R, Fasano A; **CD-GEMM Team.**

Proc Natl Acad Sci U S A. 2021 Jul 20;118(29):e2020322118. doi: 10.1073/pnas.2020322118.

I.F.: 9.412 cited:0

Neglected and underutilized plant species (Nus) from the apulia region worthy of being rescued and re-included in daily diet

Scarano, A., Semeraro, T., **Chieppa, M.**, Santino, A.

Horticulturae, 2021, 7(7), 177. <https://doi.org/10.3390/horticulturae7070177>

I.F.: 2.331 cited:0

Extra Virgin Olive Oil Extracts Modulate the Inflammatory Ability of Murine Dendritic Cells Based on Their Polyphenols Pattern: Correlation between Chemical Composition and Biological Function.

De Santis S, Liso M, Verna G, Curci F, Milani G, Faienza MF, Franchini C, Moschetta A, **Chieppa M**, Clodoveo ML, Crupi P, Corbo F.

Antioxidants (Basel). 2021 Jun 24;10(7):1016. doi: 10.3390/antiox10071016.

I.F.: 6.312 cited:2

Polyphenol Enriched Diet Administration During Pregnancy and Lactation Prevents Dysbiosis in Ulcerative Colitis Predisposed Littermates.

De Santis S, Scarano A, Liso M, Calabrese FM, Verna G, Cavalcanti E, Sila A, Lippolis A, De Angelis M, Santino A, **Chieppa M.**

Front Cell Infect Microbiol. 2021 Jun 9;11:622327. doi: 10.3389/fcimb.2021.622327. eCollection 2021.

I.F.: 5.293 cited:2

Dietary Habits and Nutrient Intakes Are Associated to Age-Related Central Auditory Processing Disorder in a Cohort From Southern Italy.

Lampignano L, Quaranta N, Bortone I, Tirelli S, Zupo R, Castellana F, Donghia R, Guerra V, Griseta C, Pesole PL, **Chieppa M**, Logroscino G, Lozupone M, Cisternino AM, De Pergola G, Panza F, Giannelli G, Boeing H, Sardone R.

Front Aging Neurosci. 2021 May 6;13:629017. doi: 10.3389/fnagi.2021.629017. eCollection 2021.

I.F.: 5.750 cited:0

Early Life Microbiota Colonization at Six Months of Age: A Transitional Time Point.

Raspini B, Vacca M, Porri D, De Giuseppe R, Calabrese FM, **Chieppa M**, Liso M, Cerbo RM, Civardi E, Garofoli F, De Angelis M, Cena H.

Front. Cell. Infect. Microbiol. 2021 Mar 26;11:590202. doi: 10.3389/fcimb.2021.590202. eCollection 2021.
I.F.: 5.293 cited:2

Iron-Enriched Nutritional Supplements for the 2030 Pharmacy Shelves.
Verna G, Sila A, Liso M, Mastronardi M, **Chieppa M**, Cena H, Campiglia P.
Nutrients. 2021 Jan 26;13(2):378. doi: 10.3390/nu13020378.
I.F.: 5.715 cited:2

Dysbiosis Triggers ACF Development in Genetically Predisposed Subjects.
De Santis S, Liso M, Vacca M, Verna G, Cavalcanti E, Coletta S, Calabrese FM, Eri R, Lippolis A, Armentano R, Mastronardi M, De Angelis M, **Chieppa M**.
Cancers (Basel). 2021 Jan 14;13(2):E283. doi: 10.3390/cancers13020283.
I.F.: 6.639 cited:2

2020

Plant Polyphenols-Biofortified Foods as a Novel Tool for the Prevention of Human Gut Diseases.
Scarano A, **Chieppa M**, Santino A.
Antioxidants (Basel). 2020 Dec 3;9(12):E1225. doi: 10.3390/antiox9121225.
I.F.: 6.312 cited:7

miR-369-3p modulates inducible nitric oxide synthase and is involved in regulation of chronic inflammatory response.
Scalavino V, Liso M, Cavalcanti E, Gigante I, Lippolis A, Mastronardi M, **Chieppa M**, Serino G.
Sci Rep. 2020 Sep 29;10(1):15942. doi: 10.1038/s41598-020-72991-8.
I.F.: 3.998 cited:7

Diet influences the functions of the human intestinal microbiome.
De Angelis M, Ferrocino I, Calabrese FM, De Filippis F, Cavallo N, Siragusa S, Rampelli S, Di Cagno R, Rantsiou K, Vannini L, Pellegrini N, Lazzi C, Turroni S, Lorusso N, Ventura M, **Chieppa M**, Neviani E, Brigidi P, O'Toole PW, Ercolini D, Gobbetti M, Cocolin L.
Sci Rep. 2020 Mar 6;10(1):4247. doi: 10.1038/s41598-020-61192-y.
I.F.: 3.998 cited:41

Multi-omics analysis reveals the influence of genetic and environmental risk factors on developing gut microbiota in infants at risk of celiac disease.
Leonard MM, Karathia H, Pujolassos M, Troisi J, Valitutti F, Subramanian P, Camhi S, Kenyon V, Colucci A, Serena G, Cucchiara S, Montuori M, Malamisura B, Francavilla R, Elli L, Fanelli B, Colwell R, Hasan N, Zomorodi AR, Fasano A; **CD-GEMM Team**.
Microbiome. 2020 Sep 11;8(1):130. doi: 10.1186/s40168-020-00906-w.
I.F.: 11.607 cited:14

New Insights into Inflammatory Bowel Diseases from Proteomic and Lipidomic Studies.
Longo S, **Chieppa M**, Cossa LG, Spinelli CC, Greco M, Maffia M, Giudetti AM.
Proteomes. 2020 Aug 10;8(3):E18. doi: 10.3390/proteomes8030018.
I.F.: 0 cited:2

Altered miRNAs expression correlates with Gastroenteropancreatic Neuroendocrine Tumors Grades
Cavalcanti E., Galleggiante V., Coletta s., Stasi e., **Chieppa M.**, Armentano R. and Serino G.
Front. Oncol. | doi: 10.3389/fonc.2020.01187
I.F.: 4.848 cited:4

EDITORIAL: Role of Dendritic Cells in Inflammation.
Chieppa, M.

Int. J. Mol. Sci. 2020, 21, 4432.
I.F.: 4.556 cited:0

EDITORIAL: Innate cells and inflammatory mediators in mucosal pathologies
Leite-de-Moraes M., **Chieppa M.**, Vermeulen M.
Front Immunol. 2020 Jul 28;11:1679. doi: 10.3389/fimmu.2020.01679.
I.F.: 5.085 cited:0

Coronavirus Disease (COVID-19-SARS-CoV-2) and Nutrition: Is Infection in Italy Suggesting a Connection?
Cena H, **Chieppa M.**

Front Immunol. 2020 May 7;11:944. doi: 10.3389/fimmu.2020.00944.
I.F.: 5.085 cited:29

Prenatal and postnatal determinants in shaping offspring's microbiome in the first 1000 days: study protocol and preliminary results at one month of life.

Raspini B, Porri D, De Giuseppe R, **Chiappa M**, Liso M, Cerbo RM, Civardi E, Garofoli F, Monti MC, Vacca M, De Angelis M, Cena H.

Ital J Pediatr. 2020 Apr 15;46(1):45. doi: 10.1186/s13052-020-0794-8.
I.F.: 1.726 cited:8

Winnie-APCMin/+ Mice: A Spontaneous Model of Colitis-Associated Colorectal Cancer Combining Genetics and Inflammation.

De Santis S, Verna G, Serino G, Armentano R, Cavalcanti E, Liso M, Dicarolo M, Coletta S, Mastronardi M, Lippolis A, Tafaro A, Santino A, Pinto A, Campiglia P, Huang AY, Cominelli F, Pizarro TT, **Chiappa M**.

Int J Mol Sci. 2020 Apr 23;21(8). pii: E2972. doi: 10.3390/ijms21082972.
I.F.: 4.556 cited:3

Beyond Just Bacteria: Functional Biomes in the Gut Ecosystem Including Virome, Mycobiome, Archaeome and Helminths.

Vemuri R, Shankar EM, **Chiappa M**, Eri R, Kavanagh K.

Microorganisms. 2020 Mar 28;8(4). pii: E483. doi: 10.3390/microorganisms8040483. Review.
I.F.: 4.152 cited:31

Selection Of Tomato Landraces With High Fruit Yield and Nutritional Quality Under Elevated Temperatures.
Scarano A, Olivieri F, Gerardi C, Liso M, Chiesa M, **Chiappa M**, Frusciant L, Barone A, Santino A, Rigano MM.

J Sci Food Agric. 2020 Feb 5. doi: 10.1002/jsfa.10312
I.F.: 2.422 cited:15

Iron Overload Mimicking Conditions Skews Bone Marrow Dendritic Cells Differentiation into MHCII^{low}CD11c⁺CD11b⁺F4/80⁺ Cells.

Verna G, Liso M, De Santis S, Dicarolo M, Cavalcanti E, Crovace A, Sila A, Campiglia P, Santino A, Lippolis A, Serino G, Fasano A, **Chiappa M**.

Int J Mol Sci. 2020 Feb 17;21(4). pii: E1353. doi: 10.3390/ijms21041353.
I.F.: 4.556 cited:4

GUT MICROBIOTA, PROBIOTICS AND COLORECTAL CANCER: A TIGHT RELATION

Pino A., De Angelis M., **Chiappa M**, Caggia C., Randazzo C. L.

World Cancer Research Journal, WCRJ 2020; 7: e1456, DOI: 10.32113/wcrj_20201_1456
I.F.: NA cited:0

2019

A Specific Mutation in Muc2 Determines Early Dysbiosis in Colitis-Prone Winnie Mice

Liso M., De Santis S., Verna G., Dicarolo M., Calasso M., Santino A., Gigante I., Eri R., Raveenthiraraj S., Sobolewski A., Palmitessa V., Lippolis A., Mastronardi M., Armentano R., Serino G., De Angelis M., and **Chiappa M**.

Inflamm Bowel Dis. 2019 Nov 21. pii: izz279. doi: 10.1093/ibd/izz279.
I.F.: 4.261 cited: 12

Quercetin Exposure Suppresses the Inflammatory Pathway in Intestinal Organoids from Winnie Mice.

Dicarolo M, Teti G, Verna G, Liso M, Cavalcanti E, Sila A, Raveenthiraraj S, Mastronardi M, Santino A, Serino G, Lippolis A, Sobolewski A, Falconi M, **Chiappa M**.

Int J Mol Sci. 2019 Nov 16;20(22). pii: E5771. doi: 10.3390/ijms20225771.
I.F.: 4.556 cited:14

Administration Timing Is the Best Clinical Outcome Predictor for Adalimumab Administration in Crohn's Disease.

Mastronardi M., Curlo M., Cavalcanti E., Burattini O., Cuppone R., Tauro R., De Santis S., Serino G., Pesole P.L., Stasi E., Caruso M.L., Donghia R., Guerra V., Giorgio P. and **Chiappa M**.

Front Med (Lausanne). 2019 Nov 1;6:234. doi: 10.3389/fmed.2019.00234. eCollection 2019.
I.F.: 3.900 cited:2

Quercetin-Induced miR-369-3p Suppresses Chronic Inflammatory Response Targeting C/EBP-β.

Galleggiante V, De Santis S, Liso M, Verna G, Sommella E, Mastronardi M, Campiglia P, **Chiappa M**, Serino G.

Mol Nutr Food Res. 2019 Jul 23:e1801390.

I.F.: 4.653 cited:17

Looking at Flavonoid Biodiversity in Horticultural Crops: A Colored Mine with Nutritional Benefits.

Scarano A, **Chiappa M**, Santino A.

Plants (Basel). 2018 Nov 7;7(4). pii: E98. doi: 10.3390/plants7040098.

I.F.: 2.632 cited: 31

A Bronze-Tomato Enriched Diet Affects the Intestinal Microbiome under Homeostatic and Inflammatory Conditions.

Liso M, De Santis S, Scarano A, Verna G, Dicarlo M, Galleggiante V, Campiglia P, Mastronardi M, Lippolis A, Vacca M, Sobolewski A, Serino G, Butelli E, De Angelis M, Martin C, Santino A, **Chiappa M**.

Nutrients. 2018 Dec 2;10(12). pii: E1862. doi: 10.3390/nu10121862.

I.F.: 4.171 cited:18

Deletion of Stearoyl-CoA Desaturase-1 From the Intestinal Epithelium Promotes Inflammation and Tumorigenesis, Reversed by Dietary Oleate.

Ducheix S, Peres C, Härdfeldt J, Frau C, Mocciaro G, Piccinin E, Lobaccaro JM, De Santis S, **Chiappa M**, Bertrand-Michel J, Plateroti M, Griffin JL, Sabbà C, Ntambi JM, Moschetta A.

Gastroenterology. 2018 Jul 28

I.F.: 19.233 cited:29

Aquaporin 9 Contributes to the Maturation Process and Inflammatory Cytokine Secretion of Murine Dendritic Cells.

De Santis S, Fiorentino MR, Galleggiante V, Verna G, Liso M, Massaro M, Lan J, Troisi J, Bertamino A, Pinto A, Campiglia P, Santino A, Giannelli G, Fasano A, Serino G, **Chiappa M**.

Front Immunol. 2018 Oct 16;9:2355.

I.F.: 4.716 cited:5

Immune Cells and Microbiota Response to Iron Starvation.

Chiappa M, Giannelli G.

Front Med. 2018 Apr 18;5:109. doi: 10.3389/fmed.2018.00109. eCollection 2018.

I.F.: 3.113 cited:9

Chemical profiling of bioactive constituents in Hop cones and pellets extracts by online comprehensive two-dimensional liquid chromatography with tandem mass spectrometry and direct infusion Fourier Transform Ion Cyclotron Resonance mass spectrometry.

Sommella E, Pagano F, Salviati E, **Chiappa M**, Bertamino A, Manfra M, Sala M, Novellino E, Campiglia P.

J Sep Sci. 2017 Dec 28. doi: 10.1002/jssc.201701242

I.F.: 2.415 cited:16

Combined Dietary Anthocyanins, Flavonols, and Stilbenoids Alleviate Inflammatory Bowel Disease Symptoms in Mice.

Scarano A., Butelli E., De Santis S., Cavalcanti E., Hill L., De Angelis M., Giovinazzo G., **Chiappa M.***, Martin C.* and Santino A*.

Front. Nutr., 24 January 2018. <https://doi.org/10.3389/fnut.2017.00075>

I.F.: 3.365 cited:53

Application of Spray Drying Particle Engineering to a High-Functionality/Low-Solubility Milk Thistle Extract: Powders Production and Characterization.

Sansone F, Esposito T, Lauro MR, Picerno P, Mencherini T, Gasparri F, De Santis S, **Chiappa M**, Cirillo C, Aquino RP.

Molecules. 2018 Jul 14;23(7). pii: E1716. doi: 10.3390/molecules23071716.

I.F.: 3.060 cited:10

Modification of Lipid Profile in Commercial Cow Milk Samples before and after Their Expiration Date: Evaluation of Storage Crucial Parameters and Possible Environmentally Friendly Disposal Alternatives

Sommella e., Basilicata M.G., Tenore G.C., Manfra M., Mastrocinque R., stacolo C., Vitale A., **Chiappa M.**, Campiglia P. and Pepe G.

Journal of Food Quality, Volume 2018 (2018), Article ID 8751317, 8

I.F.: 1.360 cited: 1

2017

Flavonoid Composition of Tarocco (*Citrus sinensis* L. Osbeck) Clone "Lempso" and Fast Antioxidant Activity Screening by DPPH-UHPLC-PDA-IT-TOF.

Sommella E, Pagano F, Pepe G, Ostacolo C, Manfra M, **Chieppa M**, Di Sanzo R, Carabetta S, Campiglia P, Russo M.

Phytochem Anal. 2017 Jul 7.

I.F.: 2.337 cited: 8

TNF α deficiency results in increased IL-1 β in an early onset of spontaneous murine colitis.

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De Santis S, Kunde D, Galleggiante V, Liso M, Scandiffio L, Serino G, Pinto A, Campiglia P, Sorrentino R, Cavalcanti E, Santino A, Caruso ML, Eri R, **Chieppa M**.

I.F.: 5.638 cited:13

IL-6 Signaling Regulates Small Intestinal Crypt Homeostasis.

Jeffery V, Goldson AJ, Dainty JR, **Chieppa M**, Sobolewski A.

J Immunol. 2017 May 26. pii: 1600960.

I.F.: 4.539 cited:45

Secretory Leukoprotease Inhibitor (Slpi) Expression Is Required for Educating Murine Dendritic Cells Inflammatory Response Following Quercetin Exposure.

De Santis S, Galleggiante V, Scandiffio L, Liso M, Sommella E, Sobolewski A, Spilotro V, Pinto A, Campiglia P, Serino G, Santino A, Notarnicola M, **Chieppa M**.

Nutrients. 2017 Jul 6;9(7). pii: E706. doi: 10.3390/nu9070706

I.F.: 4.196 cited: 14

Dendritic Cells Modulate Iron Homeostasis and Inflammatory Abilities Following Quercetin Exposure

Galleggiante V., De Santis S., Cavalcanti E., Scarano A., Russo S., Caruso M.L., Mastronardi M., Pinto A., Campiglia P., Kunde D., Santino A., **Chieppa M**.

Curr. Pharm. Des. 2017 Jan 12 Volume: 23

I.F.: 2.757 cited:30

Gut microbiota modulation and anti-inflammatory properties of dietary polyphenols in IBD: new and consolidated perspectives.

Santino A, Scarano A, De Santis S, Benedictis M, Giovinazzo G, **Chieppa M**.

Curr Pharm Des. 2017 Feb 7.

I.F.: 2.757 cited: 29

Iron Chelators Dictate Immune Cells Inflammatory Ability: Potential Adjuvant Therapy for IBD.

Chieppa M, Galleggiante V, Serino G, Massaro M, Santino A.

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I.F.: 2.757 cited:11

Bioavailable Citrus sinensis Extract: Polyphenolic Composition and Biological Activity.

Pepe G, Pagano F, Adesso S, Sommella E, Ostacolo C, Manfra M, **Chieppa M**, Sala M, Russo M, Marzocco S, Campiglia P.

Molecules. 2017 Apr 15;22(4). pii: E623.

I.F.: 3.098 cited:16

Role of PD-L1 expression as a biomarker for GEP neuroendocrine neoplasm grading.

Cavalcanti E, Armentano R, Valentini AM, **Chieppa M**, Caruso ML.

Cell Death Dis. 2017 Aug 24;8(8):e3004.

I.F.: 5.638 cited:58

2016

Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition)

Klionsky DJ et al.

Autophagy. 2016 Jan 2;12(1):1-222.

IF: 11.753 cited:3576

Secretory leukoprotease inhibitor is required for efficient quercetin-mediated suppression of TNF α secretion.

- De Santis S, Kunde D, Serino G, Galleggiante V, Caruso ML, Mastronardi M, Cavalcanti E, Ranson N, Pinto A, Campiglia P, Santino A, Eri R, **Chieppa M**.
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IF: 5.168 cited:28
- 2015 Polyphenol administration impairs T-cell proliferation by imprinting a distinct dendritic cell maturational profile. Delvecchio FR, Vadrucci E, Cavalcanti E, De Santis S, Kunde D, Vacca M, Myers J, Allen F, Bianco G, Huang AY, Monsurro V, Santino A, **Chieppa M**.
Eur J Immunol. 2015 Jun 17. doi: 10.1002/eji.201545679
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- Gliadin Induces Neutrophil Migration Via Engagement of the Formyl Peptide Receptor, FPR1
Chieppa M, Lammers K.M., Liu L., Khandelwal S., Janka-Junttila M., Santora D., Puppa E.L., Casolaro V., Parent C.A., Fasano A.
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De Santis S., Cavalcanti E, Mastronardi M., Jirillo E., **Chieppa M**.
Front Immunol., 07 December 2015 | <http://dx.doi.org/10.3389/fimmu.2015.00612> Review
IF: 5.695 cited:103
- 2014 Administration of reconstituted polyphenol oil bodies efficiently suppresses dendritic cell inflammatory pathways and acute intestinal inflammation. Cavalcanti E, Vadrucci E, Delvecchio FR, Addabbo F, Bettini S, Liou R, Monsurro V, Huang AY, Pizarro TT, Santino A, **Chieppa M**.
PLoS One. 2014 Feb 18;9(2):e88898.
IF: 4.411 cited:36
- 2013 Neuron-Derived Orphan Receptor 1 Promotes Proliferation of Quiescent Hepatocytes. Vacca M, Murzilli S, Salvatore L, Di Tullio G, D'orazio A, Lo Sasso G, Graziano G, Pinzani M, **Chieppa M**, Mariani-Costantini R, Palasciano G, Moschetta A.
Gastroenterology. 2013 Feb 24. doi:pii: S0016-5085(13)00238-2. 10.1053/j.gastro.2013.02.027.
IF: 12.898 cited:12
- Efficient stabilization of natural curcuminoids mediated by oil body encapsulation
Bettini S, Vergara D, Bonsegna S, Giotta L, Toto C, **Chieppa M**, Maffia M, Giovinazzo G, Valli L, Santino A.
The Royal Society of Chemistry RSC Adv., 2013,3, 5422-5429. DOI: 10.1039/C3RA40552D
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- Intestinal epithelium and autophagy: partners in gut homeostasis.
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Front Immunol. 2013 Sep 30;4:301. Review
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- Messages from the inside. The dynamic environment that favors intestinal homeostasis.
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Front Immunol. 2013 Oct 9;4:323. Review
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- 2012 Probiotic bacteria regulate intestinal epithelial permeability in experimental ileitis by a TNF-dependent mechanism. Corridoni D, Pastorelli L, Mattioli B, Locovei S, Ishikawa D, Arseneau K O, **Chieppa M**, Cominelli F, Pizarro T T.
PLoS One. 2012; 7(7): e42067. Epub 2012 Jul 25
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- 2011 SAMP1/YitFc mouse strain: A spontaneous model of Crohn's disease-like ileitis. Pizarro T T, Pastorelli L, Bamias G, Garg R R, Reuter B K, Mercado J R, **Chieppa M**, Arseneau K O, Ley K, Cominelli F.
Inflamm Bowel Dis. 2011 May: 6
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2010

Gut CD103+ dendritic cells express indoleamine 2,3-dioxygenase which influences T regulatory/T effector cell balance and oral tolerance induction.

Matteoli G, Mazzini E, Iliev I D, Mileti E, Fallarino F, Puccetti P, **Chiappa M**, Rescigno M.

Gut. 2010 May; 59(5): 595-604.

IF: 10.614 cited:258

Engagement of the mannose receptor by tumoral mucins activates an immune suppressive phenotype in human tumor-associated macrophages.

Allavena P, **Chiappa M**, Bianchi G, Solinas G, Fabbri M, Laskarin G, Mantovani A.

Clin Dev Immunol. 2010; 54: 71-79.

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2009

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Mucosal Immunology, 2009 Jul;2(4):340-50.

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2008

Making friends in out-of-the-way places: how cells of the immune system get together and how they conduct their business as revealed by intravital imaging.

Germain R N, Bajénoff M, Castellino F, **Chiappa M**, Egen J G, Huang A Y, Ishii M, Koo LY, Qi H.

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Rescigno M, Lopatin U, **Chiappa M**.

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2007

Microbial Translocation Augments the Function of Adoptively Transferred Self/Tumor-Reactive CD8⁺ T Cells via Toll-Like Receptor 4 Signaling

Paulos C, Wrzesinski C, Kaiser A, Hinrichs C, **Chiappa M**, Cassard L, Palmer D, Boni A, Muranski P, Yu Z, Gattinoni L, Antony P, Rosenberg S, Restifo N.

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2006

Dynamic imaging of dendritic cell extension into the small bowel lumen in response to epithelial cell TLR engagement.

Chiappa M, Huang A, Rescigno M, Germain R.

J Exp Med. 2006 Dec 25; 203(13): 2841-52.

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2005

Gut-level decisions in peace and war.

Rescigno M, **Chiappa M**

Nat Med. 2005 Mar; 11(3): 254-5.

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Anti-inflammatory Properties of the Novel Antitumor Agent Yondelis (Trabectedin): Inhibition of Macrophage Differentiation and Cytokine Production.

Allavena P, Signorelli M, **Chiappa M**, Erba E, Bianchi G, Marchesi F, Olimpio CO, Bonardi C, Garbi A, Lissoni A, de Braud F, Jimeno J, D'Incalci M.

Cancer Res. 2005 Apr 1; 65(7): 2964-71.

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Rimoldi M, **Chieppa M**, Salucci V, Avogadri F, Sonzogni A, Sampietro GM, Nespoli A, Viale G, Allavena P, Rescigno M.
Nat Immunol. 2005 May; 6(5): 507-14.
IF: 28.180 cited: 617

Monocyte-derived dendritic cells activated by bacteria or by bacteria-stimulated epithelial cells are functionally different.

Rimoldi M, **Chieppa M**, Larghi P, Vulcano M, Allavena P, Rescigno M.
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IF: 10.12 cited: 130

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Germain R N, Castellino F, **Chieppa M**, Egen J, Huang A, Koo L, Qi H.
Semin Immunol. 2005 Dec; 17(6): 431-41.
IF: 8.337 cited: 56

2004

From pattern recognition receptor to regulator of homeostasis: the double-faced macrophage mannose receptor.

Allavena P, **Chieppa M**, Monti P, Piemonti L.
Crit Rev Immunol. 2004; 24(3): 179-92.
IF: 3.133 cited: 116

Intestinal Epithelial Cells Control Dendritic Cell function

Rimoldi M, **Chieppa M**, Vulcano M, Allavena P, Rescigno M.
Annals of the New York Academy of Sciences 2004 Dec; 1029: 66-74.
IF: 1.892 cited:50

2003

Production of the soluble pattern recognition receptor PTX3 by myeloid, but not plasmacytoid, dendritic cells.

Doni A, Peri G, **Chieppa M**, Allavena P, Pasqualini F, Vago L, Romani L, Garlanda C, Mantovani A.
Eur J Immunol. 2003 Oct; 33(10): 2886-93.
IF: 4.536 cited:154

Cross-Linking of the Mannose Receptor on Monocyte-Derived Dendritic Cells Activates an Anti-Inflammatory Immunosuppressive Program.

Chieppa M, Bianchi G, Doni A, Del Prete A, Sironi M, Laskarin G, Monti P, Piemonti L, Biondi A, Mantovani A, Introna M, Allavena P.
J Immunol. 2003 Nov 1; 171(9): 4552-4560.
IF: 6.702 cited:309

2001

Fractalkine as an amplification circuit of polarised TH1 responses.

Fraticegli P, Sironi M, Allavena P, D'Ambrosio D, Albanesi C, Stopacciaro A, Bianchi G, **Chieppa M**, Ruco L, Girolomoni G, Sinigaglia F, Vecchi A, Mantovani A.
J Clin Invest. 2001 May; 107(9): 1173-81.
IF: 14,118 cited:280

Awards and Grants

2001 **Italian Cancer Association award for young investigators** awarded by the Scientific Committee of the Italian Cancer Association. Via Corridoni, 7 20122 Milano Italy

PRIZE Roche For the Research in Immunology awarded by the Scientific Committee of the *XXIX National Conference Italian Society of Immunology. Abano Terme (PD) Italy 6-9 June, 2001* for the presentation: *PAM-1, an anti-mannose receptor mAb, induces phenotypic and functional maturation of in vitro derived human dendritic cells*

2002 **Young Investigator's grant** awarded by the Scientific Committee of the *Euroconference/Workshop (Novel Strategies of mucosal Immunization through Exploitation of Mechanisms of Innate Immunity in Pathogen-Host Interaction)*, Siena (Italy), November 2002

2003 **"Fontana Lionello" 2003 annual award for outgoing investigators** awarded by the Scientific Committee of the Italian Cancer Association. Via Corridoni, 7 20122 Milano Italy

- 2006 **Marie Curie International Reintegration Grants (IRG)** awarded by the Scientific Committee of the European Commission, 7th Framework Programme on Research, Technological Development and Demonstration (**MIRG-CT-2007-208079**)
- 2009 **Call for Proposals 2009 YOUNG INVESTIGATOR RICERCA FINALIZZATA 2009 (GR-2009-1470633)** awarded by the Director of the Scientific and Technological Research, Ministry of Health
- 2010 **Award for Immunology Regione Umbria**, awarded by the Scientific Committee of the IRCCS “de Bellis” National Institute of Gastroenterology, Castellana Grotte (BA) Italy
- Call for Proposals 2010, My First AIRC Grant (MFAG 10684 31/12/2010-2013)** awarded by the Scientific Committee of the Italian Cancer Association. Via Corridoni, 7 20122 Milano Italy
- 2011 **Young Investigator Award** awarded by the award committee of the International Cytokine Society and received during The Joint Annual Meeting of the International Cytokine Society and the International Society for Interferon and Cytokine Research on October 9-12 in Florence Italy
- Co-Investigator (Project 4)** 01/05/2011-30/04/2015 Program Project Grant P01 DK091222-01 awarded by the National Institute of Health, Bethesda, MD, USA
- 2012 **Call for Proposals 2011 YOUNG INVESTIGATOR RICERCA FINALIZZATA 2012 (GR-2011-02347991)** awarded by the Director of the Scientific and Technological Research, Ministry of Health
- Call for Proposals 2011** Fondazione Cassa di Risparmio di Puglia “ricerca Scientifica e Tecnologica”
- 2013 **Young Investigator Travel Award** awarded by the committee of the 16th International Congress of Mucosal Immunology (ICMI 2013), July 17-20, Vancouver, Canada
- 2013 Lincensed as **Mathematic and Science School Teacher** for medium school
- 2014 Lincensed as **Associate Professor of Anatomical Pathology**
Lincensed as **Associate Professor of Applied Biology**
- Ricerca Corrente**, Responsabile Progetto di ricerca n.28 “Prevenzione dei danni causati da una dieta ad alto contenuto di grassi mediante integrazione con nuove linee di pomodoro liofilizzate” awarded by the the committee of the National Institute of Gastroenterology “S. de Bellis” IRCCS
- 2016 **Ricerca Corrente**, Responsabile Progetto di ricerca n.39 “Ricerca di nuovi biomarkers in grado di discriminare i pazienti IBD non-responder alla terapia biologica” awarded by the the committee of the National Institute of Gastroenterology “S. de Bellis” IRCCS
- 2018 Lincensed as **Associate General Pathology**

Membership

Member of the Society of Mucosal Immunology SMI
Member of the Italian Society of Immunology, Clinical Immunology and Clinical Allergology SIICA
Member of the Website Committee of the Society of Mucosal Immunology SMI

Associate Editor for:

Frontiers in Immunology, Mucosal Immunity
Digestive and Liver Disease
Journal of Gastrointestinal Cancer
Journal of Mucosal Immunology Research

Referee for:

European Commission – H2020
Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO)
Australian Research Council (ARC)
Numerous journal articles including: Mucosal Immunology, Gastroenterology, Immunobiology, etc.

Organizing Committee of:

Mediterranean Diet, February 5th 2018, Centro Congressi I.R.C.C.S. Saverio de Bellis, Via della Resistenza,60 - Castellana Grotte (BA), Italy

New therapies for IBD patients, what is available what will be, March 23rd 2018, Centro Congressi I.R.C.C.S. Saverio de Bellis, Via della Resistenza,60 - Castellana Grotte (BA), Italy

Abstract/conference presentations

2001

Selected presentation to: 11th International Congress of Immunology, Stockholm, 22-27 July 2001:

Chiappa M., Bianchi G., Doni A., Saccani A., Sica A., Biondi A., Introna M., Allavena P.

PAM-1, an anti-mannose receptor mAb, induces phenotypic and functional maturation of in vitro derived human dendritic cells

Selected presentation to: XXIX National Conference Italian Soc. of Immunology, Abano Terme, 6-9 June 2001

Chiappa M., Bianchi G., Doni A., Saccani A., Sica A., Del Prete A., Biondi A., Introna M., Allavena P.

Appropriate stimulation of mannose receptor induces terminal maturation of mono-derived dendritic cells into IL-10 producing, IL-12 deficient antigen presenting cells

2002

Selected presentation to Cytokines as natural adjuvants: prespectives for vaccine development, 22-24 April 2002

Chiappa M., Bianchi G., Doni A., Del Prete A., Sironi M., Monti P., Piemonti L. Biondi A., Mantovani A., Introna M., Allavena P. *Antibody-triggering of the mannose receptor elicits maturation of myeloid dendritic cells secreting IL-10, no IL-12 and a distinct chemokine profile.*

Selected presentation to: Euroconference/Workshop Novel strategies of mucosal immunisation through exploitation of mechanisms of innate immunity in pathogen-host interaction. Siena, 6-10 November 2002

Chiappa M., Bianchi G., Doni A., Del Prete A., Sironi M., Monti P., Piemonti L. Biondi A., Mantovani A., Introna M., Allavena P. *Appropriate triggering of the mannose receptor elicits maturation of monocyte-derived dendritic cells in an anti-inflammatory, tollerogenic mode*

2005

Selected presentation to: 12th International Congress of Mucosal Immunology Boston, Massachusetts, USA, 25-30 June 2005

Chiappa M., Alex Huang, Rescigno M., and Ronald N. Germain.

A 2 photon view of mucosal immunity.

2006

Selected presentation to: 2006 NIH Immunology Virginia USA Retreat, 13-15 Oct 2006

Chiappa M., Alex Huang, Rescigno M., and Ronald N. Germain.

Dynamic visualization of lamina propria dendritic cell extension into the small bowel lumen in response to epithelial cell TLR-engagement

2007

Invited speaker to: 3rd Annual Research Symposium "Mucosal Responses to Microorganisms in the GI Tract" Baltimore, MD, USA, 11-12 June 2007

"Preventive peace: crosstalk between commensal bacteria and the intestinal immune system"

2008

Invited speaker to: BSI Congress, SECC, Glasgow, Scotland, UK, 17-21 November 2008

"Preventive peace is the strategy of the mucosal immune system"

2010

Invited speaker to the University of Lecce, 3-4 June 2010

Cellule Dendritiche nei linfonodi e nei tessuti periferici; Il microambiente intestinale e la pace preventiva

2011

Poster presented at the 9th Joint Meeting of ICS-ISICR CYTOKINES AND INTERFERONS:FROM THE BENCH TO THE BEDSIDE, Florence, October 9th – 12th 2011

Chiappa M., Rekha R Garg, Xiao-Ming Wang, and Theresa T Pizarro

Intestinal CD11c+CD103+CD11b- dendritic cells (DCs) promote expansion of pathogenic IFN-producing Tcells in experimental Crohn's disease (CD)

Cytokine Volume 56, Issue 1, October 2011, Pages 30

Abstract Gastroenterology

Khandelwal S., Janka-Junttila M, Lammers KM., **Chiappa M.**, Leonard EL., Parent C., Casolaro V., Fasano A.

Neutrophils From Healthy Individuals but Not Celiac Disease Patients Show Chemotactic Activity to PT-Gliadin
Gastroenterology Vol. 140, Issue 5, Supplement 1, Page S-644

Abstract Gastroenterology

Garg RR., Pastorelli L, **Chieppa M.**, Pizarro TT.

Inflammatory Permissive CD11c+CD103+ Dendritic Cells (DCs) Promote Expansion of IL-17 Producing T Regulatory Cells (Tregs) in Experimental Ileitis

Gastroenterology Vol. 140, Issue 5, Supplement 1, Page S-496

2013

Invited specher to: The IFR Thursday Seminar Programme, 30th January 2013, Institute of Food Research, Norwich Research Park, Norwich, NR4 7UA, UK.

Selected presentation to: 16th International Congress of Mucosal Immunology (ICMI 2013), July 17-20 in Vancouver, Canada.

Delvecchio F.; Cavalcanti E.; Vadrucci E.; Addabbo F.; Eri RD.; **Chieppa M.**

Adoptive transfer of CD4+ TNF α -KO T cells exacerbate the ulcerative colitis in the Wrag mouse model

2017

Invited specher to: SME for HEALTH, 22-24 November 2017, Valenzano (BA), "Effetti dei composti di origine vegetale sul Sistema immunitario intestinale"

2018

Invited specher to: CLEVELAND IDEAS (INTERNATIONAL DIGESTIVE EDUCATION AND SCIENCE)

SYMPOSIUM 2018, September 16-18 2018, Cleveland, OH, USA. (Dendritic cells inflammatory response in IBD models)

2019

Invited specher to: 19^o Congresso Nazionale ANSISA 5-6 October 2018 Milan, Italy, "Clinical Nutrition and Oncology"

Invited specher to: Il Trattamento delle IBD nell'Era dei Farmaci Biologici: Verso la Terapia Personalizzata?, Feb 2 2019, Monopoli (BA), Italy

Invited specher to: IRG INFLAMMATION RESEARCH IN GASTROENTEROLOGY, July 4-5 2019, Monte Porzio Catone, Frosinone, Italy (Iron-Driven activation of immune cells: relevance for IBD pathogenesis and therapy)

Scientific secretary: Food as Medicine: Dietary Intervention in Disease Treatment, Sept 9 2019, European Biomedical Research Institute of Salerno (EBRIS) Salerno, Italy