

PERSONAL INFORMATION

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☒ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

2024, March 26th – present:

First Researcher – Senior Scientist with permanent contract

Department of Infectious Diseases; Istituto Superiore di Sanità (Rome, Italy; www.iss.it)

- Immunologist and cell biologist in the field of infectious and immune-mediated diseases. Studies on innate immune correlates of pathogenicity and protection in course of viral infection or upon immunization/vaccination. Development and application of in vitro cell models for the study of vaccination and acute infections. In depth immune phenotyping of immune cell subsets in blood samples of infected individuals, vaccine recipients, frail or immunocompromised populations and pregnant women.

2018, January 1st – 2024, March 25th:

Researcher with permanent contract

Department of Infectious Diseases; Istituto Superiore di Sanità (Rome, Italy; www.iss.it)

- Immunologist and cell biologist in the field of infectious and immune-mediated diseases. Studies on innate immune correlates of pathogenicity and protection in course of viral infection or upon immunization; in depth immune phenotyping of immune cell subsets in blood samples of infected individuals, vaccine recipients, frail or immunocompromised populations and pregnant women.

2009 – 2017:

Researcher with temporary contract

Department of Infectious, Parasitic and Immune-mediated Diseases; Istituto Superiore di Sanità (Rome, Italy; www.iss.it)

- Immunologist and cell biologist in the field of infectious and immune-mediated diseases; study of phenotypical and transcriptional changes occurring in antigen presenting cells (including Dendritic Cell subsets and B cells) in infection systems and dysregulation of these responses in autoimmune and immune-mediated diseases

2008 – 2009:

Research Fellow

Department of Infectious, Parasitic and Immune-mediated Diseases; Istituto Superiore di Sanità (Rome, Italy; www.iss.it)

- Research activity focused on the study of host-pathogen interaction and on mechanisms of innate immunity; infection in BSL3 facilities

2005 – 2007:

Post-Doctoral Fellowship

Department of Medicine; University of Massachusetts Medical School (Worcester, MA – USA; <https://www.umassmed.edu/>)

- Study of immune modifications occurring in human and murine myeloid cells subsets in course of infection

2003 – 2005:

PhD student in Medical Microbiology and Immunology

Department of Infectious, Parasitic and Immune-mediated Diseases; Istituto Superiore di Sanità (Rome, Italy; www.iss.it) / Department of Medicine; University of Massachusetts Medical School (Worcester, MA – USA; <https://www.umassmed.edu/>)

- Characterization of type I Interferon and cytokine-driven innate immune responses in course of viral and bacterial infection

2002 – 2003:

Guest Scientist

Division of anti-viral and anti-tumor defense; CNRS (Montpellier, France; <https://www.occitanie-est.cnrs.fr/>)

- Acquisition of skills in the application of gene expression analysis techniques and in silico characterization of gene promoter regions

EDUCATION AND TRAINING

2007, June:

PhD in Medical Microbiology and Immunology

"Torvergata" University (Rome, Italy). Experimental thesis at Department of Infectious, Parasitic, and Immune-mediated Diseases (Istituto Superiore di Sanità, Rome - Italy. Tutor: Dr. Eliana M. Coccia) and at Department of Medicine (University of Massachusetts Medical School, Worcester, MA – USA. Tutor: Prof. Kate A. Fitzgerald).

- Characterization of innate responses and immune modifications occurring in human and murine myeloid cells subsets in course of infection (in vitro and in vivo infection with RNA viruses and bacterial pathogens such as *Listeria monocytogenes*; in vitro myeloid cell differentiation and phenotypical characterization by flow cytometry).

2003, May 30th:**Doctor in Biological Sciences with full marks (*magna cum laude*)**

"La Sapienza" University (Rome, Italy). Experimental thesis at Laboratory of Immunology (Istituto Superiore di Sanità, Rome - Italy. Tutor: Dr. Eliana M. Coccia)

- Study of the regulation of type I Interferon expression in human primary Dendritic Cell subtypes infected with bacterial or viral pathogens (acquisition of skills in application of biomolecular techniques for transcriptome analyses and cellular culturing of human primary cell types).

Training Courses

1. Participation to "Intensive English Language Course" (Emerald Cultural Institute, Dublin, Ireland, 31 July- 11 August 2000).
2. Participation to "Intensive French Language Course" (Università popolare di Roma - UPTER, Rome, Italy, 9 September - 15 October 2002).
3. Participation to the Training Course "Strumentazione per lo studio del proteoma" (Università di Roma La Sapienza, Rome, Italy, 19 June 2003).
4. Participation to "Corso di formazione per i Lavoratori sulla sicurezza per il personale che opera nei laboratori a rischio chimico, fisico e biologico" (Istituto Superiore di Sanità, Rome, Italy, 1- 2 December 2003).
5. Participation to the Training Course "Fondamenti di bioinformatica" (Ospedale L. Spallanzani, 24- 29 September 2004).
6. Participation to the Training Course "Tecnologie per indagini funzionali del genoma nella ricerca clinica italiana: presente e futuro" (Istituto Superiore di Sanità, Rome, Italy, 12 May 2008).
7. Participation to the Training Course "Preparazione, amplificazione e quantificazione di acidi nucleici" (Istituto Superiore di Sanità, Rome, Italy, 8 May 2011).
8. Participation to the Training Individual Course "Tecniche di rilevazione dell'apoptosi tramite citofluorimetria su strumentazione BD FACSCanto" (BD Training Center, Buccinasco, Milan, Italy, 2-3 April 2012).
9. Participation to the Training Technical Course for Illumina Technology "Using RNA sequencing to study the transcriptome" (Università degli Studi di Roma La Sapienza, 27 June 2012).
10. Participation to the Training Technical Course for Illumina Technology "Using new technologies to study the genetics of disease" (Università degli Studi di Roma La Sapienza, 27 June 2012).
11. Participation to the Training e-learning Course "Corso di formazione generale per i Lavoratori" (Istituto Superiore di Sanità, Rome, Italy, 4 hours, 7 August 2014).
12. Participation to the Training e-learning Course "Corso di formazione sulla Sicurezza Informatica" - 37 modules (Istituto Superiore di Sanità, Rome, Italy, completed on 10 January 2021).

HONORS AND INVITATIONS**Awards and Honors**

- **2017:** Winner of annual Italian Neuroimmunology Association (AINI) Price given to a society member for his work and commitment in the neuroimmunology field.
- **2009:** "Travel Award" winner for the participation to the Tri-Society Annual Conference Meeting (Lisbon, Portugal)
- **2008:** "EFIS-EJI Award" for best presentation of a young investigator involved in a project with an international partner (VI SIICA Congress, Rome, Italy).
- **2007:** Price for the best poster presentation at the "International Meeting From Interferon Discovery to Clinical Application" (Paris, France).
- **2006:** "Travel Award" winner for the participation to "Cytokine 2006 Meeting" (Vienna, Austria)
- **2019 - present:** Elected Member of Steering Committee of the Italian Association of Neuroimmunology (AINI)

Editorial activity

- **2021- present:** Editorial Board Member of the international peer-reviewed journal Frontiers in Virology
- **2021- present:** Editorial Board Member of the international peer-reviewed journal Frontiers in Immunology
- Ad hoc referee for international peer-reviewed journals (J Autoimmunity, Scientific Reports, J Neuroimmunology, Frontiers, Int J Molec Sciences, Cells, Scandinavian J Rheumatology, Mediators of Inflammation, Immunotherapy)
- Ad hoc referee for the evaluation of project proposals to Italian Multiple Sclerosis Foundation (FISM)

Invited presentations

- **2024:** Invited speaker and Faculty Member of "Masterclass on Pregnancy in MS and NMOsd" (Rome, Italy; 12-14 June)
- **2024:** Invited chairman of the "POSTER Session" of the XXXII AINI Congress (Cagliari, Italy)
- **2023:** Invited chairman of the "POSTER Session" of the XXXI AINI Congress (Palermo, Italy)
- **2022:** Invited chairman of the "Immunometabolism" Session of the XXX AINI Congress (Riccione, Italy)
- **2021:** Invited chairman of the "Neuroimmunology of cognition and behavioral disorders" Session of the XXIX AINI Congress (Verona, Italy)
- **2019:** Invited chairman of the "Neuroimmunology in mood and sleep disorders II: Immunology, inflammation and clinical practice in psychiatry" Session of the XXVIII AINI Congress (Camogli, Italy)
- **2017:** Presentation as invited speaker to the "5th International Symposium in health and Disease" (Washington DC, USA)

PERSONAL SKILLS

Mother Tongue(s) Italian

Other language(s) Fluent English and Fluent French

Job-related skills

Managing skills:

- Experience in writing of national and international grant projects
- Experience in writing of scientific manuscripts
- Experience in coordination and management of projects and team work

Technical laboratory skills:

- Experimental procedures in biosafety level 2 and 3 facilities
- Isolation and culture of human and murine primary cells isolated from blood and tissues
- Growth and maintenance of cell lines
- Multiparametric analysis by flow cytometry of blood- or tissue-derived immune cell subtypes
- Single cell proteome/transcriptome analysis
- Transfection of primary cells and cell lines
- Determination of cytokines and chemokines by immunoassay techniques (ELISA, multiplex bead-based assays)
- Purification of Nucleic Acids (RNA and DNA)
- Nucleic Acid Amplification by PCR
- Quantification of gene expression by Real Time RT-PCR and Digital PCR
- Nuclear, cytoplasmic and total protein extraction
- Purification and concentration of secreted protein
- Western Blotting
- DNA Cloning

Digital skills

- Proficient in Windows and Macintosh operating systems;
- Proficient in Microsoft Office Excel, PowerPoint, Word and Outlook;
- Proficient in softwares for statistical analyses of data and graphics (such as GraphPad Prism);
- Proficient in softwares for analysis of multiparametric cytofluorimetric data, including FLOWJo, Kaluza, CytExpert;
- Proficient in *in silico* analysis of promoter and gene sequences by using public Databases and specific softwares such as MatInspector.

Other skills and Teaching

- Tutor for bachelor degree thesis: "Immunometabolismo: come il metabolismo cellulare influenza il sistema immunitario e le malattie autoimmuni. Focus sulla Sclerosi Multipla" A.A. 2019/2020 (Student of Università degli Studi di "Roma Tre"). Status: completed.
- Tutor for master degree thesis: "Studio della regolazione dell'espressione genica e dei fattori sierici associati alla risposta innata in soggetti sani vaccinati con il vaccino anti-COVID-19 BNT162b2 e loro correlazione con la risposta anticorpale protettiva" A.A. 2021/2022 (Student of Università degli Studi di "Roma Tre"). Status: completed.
- Tutor for PhD thesis: "In search of an early innate signature predictive of later protective antibody response to Influenza and COVID-19 vaccination in healthy and frail subjects" Starting A.A. 2024/2025 (Student of Dottorato Nazionale in "Innovazione nella diagnosi, prevenzione e terapia delle infezioni a rischio epidemico-pandemico" - XXXX ciclo - Università degli Studi di SIENA). Status: ongoing.
- Local organizing committee member for organization of the XXX Congress of Italian Association of Neuroimmunology (AINI) (May 2022, Riccione – Italy)
- Member of "Commissione esaminatrice della selezione pubblica per titoli e prova-colloquio, per assunzione con contratto a tempo determinato con profilo Ricercatore" (Prot. AOO-ISS 10/5/2018 0014425).
- Member of "Commissione esaminatrice per pubblico concorso, per titoli e colloquio, per il conferimento di una borsa di studio per laureati - G.U. n. 59 del 4.8.2023 (BS NEURO 2023 01)
- Member of National and International Scientific Societies (Italian Association of Neuroimmunology - AINI; Italian Society of Immunology, Clinical Immunology and Allergy - SIICA; International Cytokine & Interferon Society – ISICR)
- **A.A. 2017/2018:** Teaching assistant (as "cultore della materia") of "Immunology Course" (Faculty of Biological Sciences, "RomaTre" University, Rome, Italy) (12 hours)
- **A.A. 2018/2019:** Teaching assistant (as "cultore della materia") of "Immunology Course" (Faculty of Biological Sciences, "RomaTre" University, Rome, Italy) (12 hours)
- **A.A. 2020/2021:** Teaching assistant (as "cultore della materia") of "Immunology Course" (Faculty of Biological Sciences, "RomaTre" University, Rome, Italy) (12 hours)
- **A.A. 2020/2021:** Teaching assistant (as "cultore della materia") of "Immunology Course" (Faculty of Biological Sciences, "RomaTre" University, Rome, Italy) (12 hours)
- **A.A. 2021/2022:** Teaching assistant (as "cultore della materia") of "Immunology Course" (Faculty of Biological Sciences, "RomaTre" University, Rome, Italy) (12 hours)
- **A.A. 2022/2023:** Teaching assistant (as "cultore della materia") of "Anti-microbial Immunity and Immuno diagnostics" Course (Faculty of Biological Sciences, "RomaTre" University, Rome, Italy) (3 hours)
- **A.A. 2023/2024:** Teaching assistant (as "cultore della materia") of "Anti-microbial Immunity and Immuno diagnostics" Course (Faculty of Biological Sciences, "RomaTre" University, Rome, Italy) (3 hours)

RESEARCH ACTIVITIES

Statement of Research Interests

Long-term objective of the research activity is to understand immune-regulatory mechanisms linked to host-pathogen interaction and regulation of innate and adaptive immune responses as well as cytokine/chemokine-mediated pathways during infection, upon vaccination or in course of autoimmune diseases in human antigen presenting cells, such as DC, monocytes-macrophages and B cells, in different populations including frail and immunosuppressed people as well as in pregnancy, with the final intent to develop innovative personalized and tailored immunological or pharmacological approaches. To understand also if the dysregulation of these responses plays a role in the pathogenesis of autoimmune diseases, including Multiple Sclerosis (MS), with a particular focus on the study of activation/exhaustion and immunometabolic pathways of B cell subsets in people with MS and in pregnant MS women. She gained strong scientific and technical background in the field of immunology, infectious and immune-mediated diseases by conducting several studies on phenotypical and transcriptional changes occurring in immune cell subsets derived from *in vivo* and *in vitro* cell models based on human primary immune cells in the context of viral or bacterial infection and/or by investigating alterations in immune cell subsets studied *ex vivo* in people with autoimmune disorders.

Recently, the specific know-how obtained with these studies was also applied to identify new correlates of pathogenicity and vaccine-induced protection during the current pandemic by characterizing SARS-CoV-2-infected or immunized individuals, with particular regard to frail populations including aging individuals or people with MS in treatment with immunomodulatory or biological drugs.

Funded Grants

Funded Grants as Principal Investigator:

- 2014-FISM (Italian Multiple Sclerosis Foundation) Grant (2014/R/19): "An Interferon- β -conjugated Antibody targeted to B cells: a novel immunocytokine for the treatment of Multiple Sclerosis." (expired 2017, November 30th) (amount awarded: €29.977,50).
- 2016-Giovani Ricercatori (Ricerca Finalizzata-Ministero della Salute- grant N. GR-2016-02363749): "Unveiling the impact of B cell-associated metabolic signatures in Multiple Sclerosis: integrating clinical parameters and metabolic targets to predict disease course." (ongoing: 2018, November 5th –end of 2023) (amount awarded: €448.700).

Funded Grants as Team Member/Collaborator:

- 2024-2026 RIPrEi project, L106/2021 ("Rete Italiana per la sorveglianza virologica, il monitoraggio immunologico, la formazione e la ricerca in Preparazione alla gestione delle Emergenze Infettive - R.I.Pr.E.I." Call 2023): "Gaining insight into COVID-19 neuropathogenesis: a closer look to SARS-CoV-2 infection and driven neuroinflammation in the neuron/microglia axis"
- 2023-2025 Istituto Superiore di Sanità Grant 5X1000: "A biomimetic in vitro model for the immunogenicity assessment of vaccines for human use: exploitation of Peripheral Blood Mononuclear Cell/Muscle Cell cross-talk and innate immune signature for the evaluation of aluminum adjuvanted- and mRNA-based formulations (ISS5x1000_2023-50be217a6e8a).
- 2023-2025 EU funding within the MUR PNRR Extended Partnership initiative on Emerging Infectious Diseases (Project no. PE00000007) "One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases (INF-ACT)"
- 2023-2026 PRIN-Bando 2022 "Systems vaccinology and innovative immunological approaches to investigate the impact of biological sex on COVID-19 mRNA vaccine immunogenicity, reactogenicity, and safety." (Codice: 2022F37JRF)
- 2023-2028 (HORIZON-HLTH-2022-DISEASE-06-two-stage Call): "Innovative nasal vaccines to prevent pathogen colonization and infection in the upper respiratory tract (NOSEVAC)"
- 2017-2022 (IMI 2 – 8th Call): "Pan Ebola Vaccine Innovative Approach (PEVIA)" (Amount awarded to OU: €246.888).
- 2017-2019 (Neuromed Collaborative Agreement - Biogen Sponsored Grant): "Apparent gain of efficacy of PLEGRIDY over previous interferon-beta formulations in multiple sclerosis: any effects on disease aetiology?". (Amount awarded to OU: €35.820).
- 2016-2021 (IMI 2 – 3rd Call): "Vaccine batch to vaccine batch comparison by consistency testing (Vac2Vac)". (Amount awarded to OU: €284.655).
- 2015–2017 (Progetto FILAS-Regione Lazio): "Development and testing of biotechnological platforms for the high throughput screening of drug molecules against emerging and re-emerging infectious diseases". (Amount awarded to OU: €70.000)..
- 2014-2016 FISM (Italian Multiple Sclerosis Foundation) Grant: "Analysis of INTERFEROME in MS: searching for dysregulated pathways". Multicenter project (Amount awarded to ISS Unit: €137.000)
- 2014-2015 (Convenzione Novartis): "Host-pathogen interactions, mechanisms of attenuation and immunogenicity of Staphylococcus aureus recombinant strains in human dendritic cells".
- 2014-2015 (Finanziamento ISS): "Timosina-alpha1, TLR e cellule presentanti l'antigene (APC): un "Ménage à trois" di cui avvalersi per la messa a punto di nuovi adiuvanti ed agenti immunoterapeutici".
- 2012-2013 (FP-7 Health project): "NewTBvac" European Project.

Indexed Publications

Total number of publications in peer-review journals: 56

Average Impact Factor of all publications: 6

Total number of citations: 3257

H index (Scopus): 27 (without self-citations)

ORCID ID: 0000000204114545

1. Viral infection and Toll-like receptor agonists induce a differential expression of type I and lambda Interferon in human plasmacytoid and monocyte-derived Dendritic Cells. Coccia EM, Severa M, Giacomini E, Monneron D, Remoli ME, Julkunen I, Cella M, Lande R. and Uzé G. Eur. J. Immunol. 2004 Mar; 34(3):796-805.
2. Inhibition of interleukin-12 expression in diltiazem-treated dendritic cells through the reduction of nuclear factor-kappa B transcriptional activity. Severa M, D'Ambrosio A, Giordani L, Quintieri F, Coccia E. Biochem Pharmacol. 2005 Feb 1;69(3):425-32.
3. Human dendritic cells following Aspergillus fumigatus infection express the CCR7 receptor and a differential pattern of interleukin-12 (IL-12), IL-23, and IL-27 cytokines, which lead to a Th1 response. Gafa V, Lande R, Gagliardi MC, Severa M, Giacomini E, Remoli ME, Nisini R, Ramoni C, Di Francesco P, Aldebert D, Grillo T, Coccia EM. Infect Immun. 2006 Mar;74(3):1480-9.
4. Tumor necrosis factor alpha enhances influenza A virus-induced expression of antiviral cytokines by activating RIG-I gene expression. Matikainen S, Sirén J, Tissari J, Veckman V, Pirhonen J, Severa M, Sun Q, Lin R, Meri S, Uzé G, Hiscott J, Julkunen I. J Virol. 2006 Apr;80(7):3515-22.
5. Differential responsiveness to IFN-alpha and IFN-beta of human mature DC through modulation of IFNAR expression. Severa M, Remoli ME, Giacomini E, Ragimbeau J, Lande R, Uzé G, Pellegrini S, Coccia EM. J Leukoc Biol. 2006 Jun;79(6):1286-94.
6. Infection of human dendritic cells with a Mycobacterium tuberculosis sigE mutant stimulates production of high

- levels of interleukin-10 but low levels of CXCL10: impact on the T-cell response. Giacomini E, Sotolongo A, Iona E, Severa M, Remoli ME, Gafa V, Lande R, Fattorini L, Smith I, Manganelli R, Coccia EM. *Infect Immun*. 2006 Jun;74(6):3296-304.
7. Pin-ning down immune responses to RNA viruses. Goutagny N, Severa M, Fitzgerald KA. *Nat Immunol*. 2006 Jun;7(6):555-7.
8. Toll-like receptor-dependent and -independent viperin gene expression and counter-regulation by PRDI-binding factor-1/BLIMP1. Severa M, Coccia EM, Fitzgerald KA. *J Biol Chem*. 2006 Sep 8;281(36):26188-95.
9. NF- κ B is required for STAT-4 expression during dendritic cell maturation. Remoli ME, Ragimbeau J, Giacomini E, Gafa V, Severa M, Lande R, Pellegrini S, Coccia EM. *J Leukoc Biol*. 2007 Jan;81(1):355-63.
10. In vitro infection of human dendritic cells by *Aspergillus fumigatus* conidia triggers the secretion of chemokines for neutrophil and Th1 lymphocyte recruitment. Gafa V, Remoli ME, Giacomini E, Gagliardi MC, Lande R, Severa M, Grillot R, Coccia EM. *Microbes Infect*. 2007 Jul;9(8):971-80.
11. TLR-mediated activation of type I IFN during antiviral immune responses: fighting the battle to win the war. Severa M, Fitzgerald KA. *Curr Top Microbiol Immunol*. 2007;316:167-92. Review.
12. IFN-beta modulates the response to TLR stimulation in human DC: involvement of IFN regulatory factor-1 (IRF-1) in IL-27 gene expression. Remoli ME, Gafa V, Giacomini E, Severa M, Lande R, Coccia EM. *Eur J Immunol*. 2007 Dec;37(12).
13. Plasmacytoid dendritic cells in multiple sclerosis: intracerebral recruitment and impaired maturation in response to interferon-beta. Lande R, Gafa V, Serafini B, Giacomini E, Visconti A, Remoli ME, Severa M, Parmentier M, Ristori G, Salvetti M, Aloisi F, Coccia EM. *J Neuropathol Exp Neurol*. 2008 May;67(5):388-401.
14. Superior immunogenicity of inactivated whole virus H5N1 influenza vaccine is primarily controlled by Toll-like receptor signalling. Geeraedts F, Goutagny N, Hornung V, Severa M, de Haan A, Pool J, Wilschut J, Fitzgerald KA, Huckriede A. *PLoS Pathog*. 2008 Aug 29;4(8).
15. Enhancement of anti-*Aspergillus* T helper type 1 response by interferon- β -conditioned dendritic cells. Gafa V, Remoli ME, Giacomini E, Severa M, Grillot R, Coccia EM. *Immunology*. 2010 Oct;131(2):282-8.
16. Epstein-Barr virus latent infection and BAFF expression in B cells in the multiple sclerosis brain: implications for viral persistence and intrathecal B-cell activation. Serafini B, Severa M, Columba-Cabezas S, Rosicarelli B, Veroni C, Chiappetta G, Magliozzi R, Reynolds R, Coccia EM, Aloisi F. *J Neuropathol Exp Neurol*. 2010 Jul;69(7):677-93.
17. Herpes simplex virus immediate-early ICP0 protein inhibits Toll-like receptor 2-dependent inflammatory responses and NF- κ B signaling. van Lint AL, Murawski MR, Goodbody RE, Severa M, Fitzgerald KA, Finberg RW, Knipe DM, Kurt-Jones EA. *J Virol*. 2010 Oct;84(20):10802-11.
18. Bystander inhibition of dendritic cell differentiation by *Mycobacterium tuberculosis*-induced IL-10. Remoli ME, Giacomini E, Petruccioli E, Gafa V, Severa M, Gagliardi MC, Iona E, Pine R, Nisini R, Coccia EM. *Immunol Cell Biol*. 2011 Mar;89(3):437-46.
19. Type I interferon and Toll-like receptor expression characterizes inflammatory myopathies. Cappelletti C, Baggi F, Zolezzi F, Biancolini D, Beretta O, Severa M, Coccia E, Confalonieri P, Moranti L, Mora M, Mantegazza R, and Bernasconi P. *Neurology*. 2011 Jun 14;76(24):2079-88.
20. Differential regulation of miR-21 and miR-146a by Epstein-Barr virus encoded EBNA2. Rosato P, Anastasiadou E, Boccellato F, Vincenti S, Severa M, Coccia E, Frati L, Presutti C, Faggioni A, Trivedi P. *Leukemia*. 2012 Nov; 26(11):2343-52.
21. EBV stimulates TLR- and autophagy-dependent pathways and impairs maturation in plasmacytoid dendritic cells: implications for viral immune escape. Severa M*, Giacomini E, Gafa V, Anastasiadou E, Rizzo F, Corazzari M, Romagnoli A, Trivedi P, Fimia GM, Coccia EM.* *Eur J Immunol*. 2013 Jan;43(1):147-58. [*sharing corresponding author]
22. Epstein-Barr virus persistence and infection of autoreactive plasma cells in synovial lymphoid structures in rheumatoid arthritis. Croia C, Serafini B, Bombardieri M, Kelly S, Humby F, Severa M, Rizzo F, Coccia EM, Migliorini P, Aloisi F, Pitzalis C. *Ann Rheum Dis*. 2013 Sep 1;72(9):1559-68.
23. Increased CD8+ T cell response to Epstein-Barr virus lytic antigens in the active phase of multiple sclerosis. Angelini DF, Serafini B, Piras E, Severa M, Coccia EM, Rosicarelli B, Ruggieri S, Gasperini C, Buttari F, Centonze D, Mechelli R, Salvetti M, Borsellino G, Aloisi F, Battistini L. *PLoS Pathog*. 2013;9(4):e1003220.
24. IFN- β therapy modulates B-cell and monocyte crosstalk via TLR7 in multiple sclerosis patients. Giacomini E*, Severa M*, Rizzo F, Mechelli R, Annibali V, Ristori G, Riccieri V, Salvetti M, Coccia EM. *Eur J Immunol*. 2013 Jul;43(7):1963-72. 2013 May 28. [*sharing first author]
25. The Transcriptional Repressor BLIMP1 Curbs Host Defenses by Suppressing Expression of the Chemokine CCL8. Severa M, Islam SA, Waggoner SN, Jiang Z, Kim ND, Ryan G, Kurt-Jones E, Charo I, Caffrey DR, Boyartchuk VL, Luster AD, Fitzgerald KA. *J Immunol*. 2014 Mar 1;192(5):2291-304.
26. A human dendritic cell-based in vitro model to assess *Mycobacterium tuberculosis* SO2 vaccine immunogenicity. Etna MP, Giacomini E, Severa M, Pardini M, Aguilo N, Martin C, Coccia EM. *ALTEX*. 2014 May 20.
27. Pro- and anti-inflammatory cytokines in tuberculosis: a two-edged sword in TB pathogenesis. Etna MP, Giacomini E, Severa M, Coccia EM. *Semin Immunol*. 2014 Dec;26(6):543-51.
28. IFN- β and multiple sclerosis: Cross-talking of immune cells and integration of immunoregulatory networks. Severa M, Rizzo F, Giacomini E, Salvetti M, Coccia EM. *Cytokine Growth Factor Rev*. 2015 Apr;26(2):229-39.
29. IFN- β Therapy Regulates TLR7-Mediated Response in Plasmacytoid Dendritic Cells of Multiple Sclerosis Patients Influencing an Anti-Inflammatory Status. Severa M*, Rizzo F, Giacomini E, Annibali V, Gafa V, Romano S, Buscarinu MC, Fornasiero A, Salvetti M, Coccia EM.* *J Interferon Cytokine Res*. 2015 Apr 29. [*sharing corresponding author]
30. Dual effect of Thymosin α 1 on human monocyte-derived dendritic cell in vitro stimulated with viral and bacterial toll-like receptor agonists. Giacomini E*, Severa M*, Cruciani M, Etna MP, Rizzo F, Pardini M, Scagnolari C, Garaci E, Coccia EM. *Expert Opin Biol Ther*. 2015 Jun 22;1-12. [*sharing first author]
31. Apoptotic Epitope-Specific CD8+ T Cells and Interferon Signaling Intersect in Chronic Hepatitis C Virus Infection. Martini H, Citro A, Martire C, D'Ettore G, Labbadia G, Accapezzato D, Piconese S, De Marzio P,

- Cavallari EN, Calvo L, Rizzo F, Severa M, Coccia EM, Grazi GL, Di Filippo S, Sidney J, Vullo V, Sette A, Barnaba V. *J Infect Dis*. 2016 Feb 15;213(4):674-83. 2015 Sep 19.
32. Impact of Mycobacterium tuberculosis RD1-locus on human primary dendritic cell immune functions. Etna MP, Giacomini E, Pardini M, Severa M, Bottai D, Cruciani M, Rizzo F, Calogero R, Brosch R, Coccia EM. *Sci Rep*. 2015 Nov 25;5:17078.
33. IFN- α promotes rapid human Treg contraction and late Th1-like Treg decrease. Pacella I, Timperi E, Accapezzato D, Martire C, Labbadia G, Cavallari EN, D'Ettore G, Calvo L, Rizzo F, Severa M, Coccia EM, Vullo V, Barnaba V, Piconese S. *J Leukoc Biol*. 2016 Feb 26. pii: jlb.5A0415-140R.
34. Interferon- β therapy specifically reduces pathogenic memory B cells in multiple sclerosis patients by inducing a FAS-mediated apoptosis. Rizzo F, Giacomini E, Mechelli R, Buscarinu MC, Salvetti M, Severa M*, Coccia EM.* *Immunol Cell Biol*. 2016 Oct; 94(9):886-894. [*joint senior investigator]
35. Thymosin- α 1 expands deficient IL-10-producing regulatory B cell subsets in relapsing-remitting multiple sclerosis patients. Giacomini E, Rizzo F, Etna MP, Cruciani M, Mechelli R, Buscarinu MC, Pica F, D'Agostini C, Salvetti M, Coccia EM*, Severa M*. *Mult Scler*. 2018 Feb;24(2):127-139. [*sharing corresponding author]
36. Staphylococcus aureus Exs factors control human dendritic cell functions conditioning Th1/Th17 response. Cruciani M, Etna MP, Camilli R, Giacomini E, Percario Z, Severa M, Sandini S, Rizzo F, Brandi V, Polticelli F, Affabris E, Pantosti A, Bagnoli F and Coccia EM. *Front Cell Infect Microbiol*. 2017 Jul 21;7:330.
37. Transcriptional dysregulation of Interferome in experimental and human Multiple Sclerosis. Srinivasan S, Severa M, Rizzo F, Menon R, Brini E, Mechelli R, Martinelli V, Hertzog P, Salvetti M, Furlan R, Martino G, Comi G, Coccia EM, Farina C. *Sci Rep*. 2017 Aug 21;7(1):8981.
38. Mycobacterium tuberculosis-induced miR-155 subverts autophagy by targeting ATG3 in human dendritic cells. Etna MP, Sinigaglia A, Grassi A, Giacomini E, Romagnoli A, Pardini M, Severa M, Cruciani M, Rizzo F, Anastasiadou E, Di Camillo B, Barzon L, Fimia GM, Manganelli R, Coccia EM. *PLoS Pathog*. 2018 Jan 4;14(1):e1006790.
39. Fatty acid metabolism complements glycolysis in the selective regulatory T cell expansion during tumor growth. Pacella I, Procaccini C, Focaccetti C, Miacci S, Timperi E, Faicchia D, Severa M, Rizzo F, Coccia EM, Bonacina F, Mitro N, Norata GD, Rossetti G, Ranzani V, Pagani M, Giorda E, Wei Y, Matarese G, Barnaba V, Piconese S. *Proc Natl Acad Sci U S A*. 2018 Jul 10;115(28):E6546-E6555.
40. Epstein-Barr virus-encoded EBNA2 alters immune checkpoint PD-L1 expression by downregulating miR-34a in B-cell lymphomas. Anastasiadou E, Stroopinsky D, Alimperi S, Jiao AL, Pyzer AR, Cipitelli C, Pepe G, Severa M, Rosenblatt J, Etna MP, Rieger S, Kempkes B, Coccia EM, Sui SJH, Chen CS, Uccini S, Avigan D, Faggioni A, Trivedi P, Slack FJ. *Leukemia*. 2019 Jan;33(1):132-147.
41. Analysis of coding and non-coding transcriptome of peripheral B cells reveals an altered interferon response factor (IRF)-1 pathway in multiple sclerosis patients. Annibali V, Umeton R, Palermo A, Severa M, Etna MP, Giglio S, Romano S, Ferraldeschi M, Buscarinu MC, Vecchione A, Annese A, Policano C, Mechelli R, Pizzolato Umeton R, Fornasiero A, Angelini DF, Guerrera G, Battistini L, Coccia EM, Salvetti M, Ristori G. *J Neuroimmunol*. 2018 Nov 15;324:165-171.
42. Thymosins in multiple sclerosis and its experimental models: moving from basic to clinical application. Severa M, Zhang J, Giacomini E, Rizzo F, Etna MP, Cruciani M, Garaci E, Chopp M, Coccia EM. *Mult Scler Relat Disord*. 2019 Jan;27:52-60.
43. A cell type-specific transcriptomic approach to map B cell and monocyte type I interferon-linked pathogenic signatures in Multiple Sclerosis. Severa M, Rizzo F, Srinivasan S, Di Dario M, Giacomini E, Buscarinu MC, Cruciani M, Etna MP, Sandini S, Mechelli R, Farina A, Trivedi P, Hertzog PJ, Salvetti M, Farina C, Coccia EM. *J Autoimmun*. 2019 Jul;101:1-16.
44. Differential Responses of Human Dendritic Cells to Live or Inactivated Staphylococcus aureus: Impact on Cytokine Production and T Helper Expansion. Cruciani M, Sandini S, Etna MP, Giacomini E, Camilli R, Severa M, Rizzo F, Bagnoli F, Hiscott J, Coccia EM. *Front Immunol*. 2019 Nov 12;10:2622.
45. Optimization of the monocyte activation test for evaluating pyrogenicity of tick-borne encephalitis virus vaccine. Etna MP, Giacomini E, Rizzo F, Severa M, Ricci D, Shaid S, Lambigts D, Valentini S, Galli Stampino L, Alleri L, Gaggioli A, Von Hunolstein C, Spreitzer I, Coccia EM. *ALTEX*. 2020;37(4):532-544.
46. Three Decades of Interferon- β in Multiple Sclerosis: Can We Repurpose This Information for the Management of SARS-CoV2 Infection?. Severa M, Farina C, Salvetti M, Coccia EM. *Front Immunol*. 2020 Jun 18;11:1459.
47. ISG15 protects human Tregs from interferon alpha-induced contraction in a cell-intrinsic fashion.
48. Pacella I, Spinelli FR, Severa M, Timperi E, Tucci G, Zagaglioni M, Ceccarelli F, Rizzo F, Coccia EM, Patel RS, Martin-Fernandez M, Bogunovic D, Conti F, Barnaba V, Piconese S. *Clin Transl Immunology*. 2020 Dec 23;9(12):e1221.
49. Human plasmacytoid dendritic cells at the crossroad of type I interferon-regulated B cell differentiation and antiviral response to tick-borne encephalitis virus. Etna MP, Signorazzi A, Ricci D, Severa M, Rizzo F, Giacomini E, Bekeredjian-Ding I, Huckriede A, Eliana M Coccia EM. *Plos Pathogens*, accettato per la pubblicazione in data 23 Marzo 2021.
50. Genome-wide gene expression analysis of Mtb-infected DC highlights the rapamycin-driven modulation of regulatory cytokines via the mTOR/GSK-3 β axis. Etna MP, Severa M, Licursi V, Pardini M, Cruciani M, Rizzo F, Giacomini E, Macchia G, Palumbo O, Stallone R, Carella M, Livingstone M, Negri R, Pellegrini S, Coccia EM. *Front Immunol*. 2021 Apr 16;12:649475.
51. Innate Immune Response to SARS-CoV-2 Infection: From Cells to Soluble Mediators. Ricci D, Etna MP, Rizzo F, Sandini S, Severa M, Coccia EM. *Int J Mol Sci*. 2021 Jun 29;22(13):7017.
52. Differential plasmacytoid dendritic cell phenotype and type I Interferon response in asymptomatic and severe COVID-19 infection. Severa M, Diotti RA, Etna MP, Rizzo F, Fiore S, Ricci D, Iannetta M, Sinigaglia A, Lodi A, Mancini N, Criscuolo E, Clementi M, Andreoni M, Balducci S, Barzon L, Stefanelli P, Clementi N, Coccia EM. *PLoS Pathog*. 2021 Sep 2;17(9): e1009878.
53. Novel evidence of Thymosin α 1 immunomodulatory properties in SARS-CoV-2 infection: Effect on innate inflammatory response in a peripheral blood mononuclear cell-based in vitro model. Ricci D, Etna MP,

Severa M, Fiore S, Rizzo F, Iannetta M, Andreoni M, Balducci S, Stefanelli P, Palamara AT, Coccia EM. *Int Immunopharmacol*. 2023 Apr;117:109996.

54. A specific anti-COVID-19 BNT162b2 vaccine-induced early innate immune signature positively correlates with the humoral protective response in healthy and multiple sclerosis vaccine recipients. Severa M, Rizzo F, Sinigaglia A, Ricci D, Etna MP, Cola G, Landi D, Buscarinu MC, Valdarchi C, Ristori G, Riccetti S, Piubelli C, Palmerini P, Rosato A, Gobbi F, Balducci S, Marfia GA, Salvetti M, Barzon L, Coccia EM. *Clin Transl Immunology*. 2023 Mar 23;12(3):e1434.

55. Functional diversification of innate and inflammatory immune responses mediated by antibody Fc activities against SARS-CoV-2. Severa M., Etna M.P., Andreano E., Ricci D., Cairo G., Fiore S., Canitano A., Cara A., Stefanelli P., Rappuoli R., Palamara A.T., Coccia E.M.. *iScience*. 2024 Apr 11;27(5):109703.

56. A Serum Multi-Parametric Analysis Identifies an Early Innate Immune Signature Associated to Increased Vaccine-Specific Antibody Production and Seroconversion in Simultaneous COVID-19 mRNA and Cell-Based Quadrivalent Influenza Vaccination. Severa M., Ricci D., Etna M.P., Facchini M., Puzelli S., Fedele G., Iorio E., Cairo G., Castrechini S., Ungari V., Iannetta M., Leone P., Chirico M., Pisanu M.E., Bottazzi B., Benedetti L., Sali M., Bartolomucci R., Balducci S., Garlanda C., Stefanelli P., Spadea A., Palamara A.T. and Coccia E.M.. *Vaccines* 2024, 12(9), 1050.

Other publications

1. New mechanisms of Mycobacterium tuberculosis immune evasion: impact on disease outcome and strategies of immune intervention. Coccia E.M., Gagliardi M.C., Remoli M.E., Gafa V., Giacomini E., Scandurra M., Severa M., Lande R., Mariotti S., Sargentini V., Teloni R., Fattorini L., Iona E., Pardini M., Pine R. and Nisini R.; 2006. (Rapporti ISTISAN 06/50)
2. Etna MP, Rizzo F, Ricci D, Ilari R, Severa M, Salvati V, Gaggioli A, Spreitzer I, von Hunolstein C and Coccia EM, Monocyte activation test as replacement of animal-based methods for the in vitro assessment of human vaccine pyrogenicity; in De Angelis I, Ricceri L, Vitale A (Ed.). *Innovative replacement methods at the Istituto Superiore di Sanità in the spirit of the 3Rs principle*. Roma: Istituto Superiore di Sanità; 2022. (Rapporti ISTISAN 22/18)
3. Cellule Dendritiche ed IFN di tipo I: una liaison speciale nell'induzione di processi autoimmunitari. Lande R., Gafa V., Giacomini E., Remoli M.E., Severa M., Coccia E.M. *Reumatismo*, 2007; vol. 59 (numero speciale 2): 202-207.

Participation to National and International Congresses (as oral or poster presenter, or team member)

1. Lande R., Giacomini E., Grassi T., Remoli M.E., Severa M., Iona E., Miettinen M., Fattorini L., Orefici G., Julkunen I., Coccia E.M.. "INFECTION OF HUMAN DENDRITIC CELLS WITH MYCOBACTERIUM TUBERCULOSIS INDUCES CYTOKINE AND CHEMOKINE GENE EXPRESSION THAT MODULATES T CELL RESPONSE". International Meeting "Cytokines as natural adjuvants: perspectives for vaccine development". Roma, 22-24 Aprile 2002.
2. Lande R., Giacomini E., Grassi T., Remoli M.E., Severa M., Iona E., Miettinen M., Fattorini L., Orefici G., Julkunen J., Coccia E. M. "CYTOKINE AND CHEMOKINE GENE EXPRESSION IN HUMAN DENDRITIC CELLS INFECTED WITH MYCOBACTERIUM TUBERCULOSIS". Meeting "Cytokines and Interferons 2002". Torino, 6-10 Ottobre 2002.
3. Remoli M.E., Giacomini E., Severa M., Luftalla G., Dondi E., Orefici G., Battistini A., Uzé G., Pellegrini S., Coccia E.M. "SELECTIVE EXPRESSION OF TYPE I IFN GENES IN HUMAN DENDRITIC CELLS INFECTED WITH MYCOBACTERIUM TUBERCULOSIS". Meeting "Cytokines and Interferons 2002". Torino, 6-10 Ottobre 2002.
4. Severa M., Giacomini E., Monneron D., Remoli M.E., Julkunen I., Cella M., Lande R., Uzé G., Coccia E.M. "VIRAL INFECTION AND TOLL-LIKE RECEPTOR AGONISTS INDUCE A DIFFERENTIAL EXPRESSION OF HUMAN TYPE I INTERFERONS IN PLASMACYTOID AND MONOCYTE-DERIVED DENDRITIC CELLS". Conferenza "Perspectives in the use of biologically active substances: from the laboratory to the clinical trials in Cancer and AIDS". Roma, 19-20 Febbraio 2004.
5. Severa M., Remoli M.E., Giacomini E., Lande R., Coccia E.M. "IFN- γ MODULATES THE CHEMOKINE GENE EXPRESSION AND THE ACTIVATION OF DENDRITIC CELLS". 3rd National Conference SIICA, Ischia - Napoli, 24-27 Aprile 2004.
6. Coccia E.M., Severa M., Giacomini E., Monneron D., Remoli M.E., Julkunen I., Cella M., Lande R., Uzé G. "SUBSET DISTRIBUTION OF HUMAN α AND β INTERFERONS INDUCED IN PLASMACYTOID AND MONOCYTE-DERIVED DENDRITIC CELLS BY VIRAL INFECTION AND TOLL-LIKE RECEPTOR AGONISTS". "Toll Meeting 2004", Taormina, 8-11 Maggio 2004.
7. Coccia E.M., Gagliardi C., Giacomini E., Remoli M.E., Severa M., Teloni R., Lande R., Nisini R. "VARIAZIONI FENOTIPICHE IN APC INDOTTE DALL'INFEZIONE CON ALCUNI PATOGENI OPPURTUNISTI: IMPLICAZIONE PER L'INFEZIONE DA HIV". "Quinto programma Nazionale di ricerca sull'AIDS", Roma 2-6 Maggio 2005.
8. Gafa V., Lande R., Gagliardi M.C., Severa M., Giacomini E., Remoli M.E., Nisini R., Ramoni C., Di Francesco P., Delphine E., Renee G., Coccia E.M. "ASPERGILLUS FUMIGATUS INDUCES THE MATURATION OF HUMAN DC AND THE EXPRESSION OF INFLAMMATORY AND REGULATORY CYTOKINES LEADING TO A WEAK TH1 RESPONSE *IN VITRO*". 4th National Conference SIICA, Brescia, 8-11 Giugno, 2005.
9. Lande R., Severa M., Giacomini E., Remoli M.E., Serafini B., Gafa V., Coccia E.M. "DENDRITIC CELLS AND TYPE I IFN: A CRUCIAL COUPLE IN INFECTION AND AUTOIMMUNITY". 4th National Conference SIICA, Brescia, 8-11 Giugno, 2005.

10. Gafa V., Lande R., Gagliardi M.C., Severa M., Giacomini E., Remoli M.E., Grillot R. Coccia E.M. "A. FUMIGATUS-MATURED HUMAN DC EXPRESS CCR7 AND A SPECIFIC PATTERN OF IL-12, IL-23 AND IL-27 CYTOKINES ACQUIRING THE CAPACITY TO INDUCE A TH1 RESPONSE". Meeting "2nd advances against ASPERGILLOSIS", Atene (Grecia), 22-25 Febbraio, 2006.
11. Severa M., Goutagny N., Coccia E.M. and Fitzgerald K.; "TLR-DEPENDENT AND -INDEPENDENT REGULATION OF Viperin gene EXPRESSION AND COUNTER-REGULATION BY PRDI-BF1/BLIMP1". "Toll Meeting 2006", Salvador (Brazile), 4-7 Marzo 2006.
12. Gafa V., Remoli M.E., Giacomini E., Gagliardi M.C., Lande R., Severa M., Grillot R., Coccia E.M. "ASPERGILLUS FUMIGATUS-INFECTED DC INDUCED POLYMORPHONUCLEAR NEUTROPHILS AND TH1 CELLS MIGRATION THROUGH THE RELEASE OF A SPECIFIC CHEMOKINE PROFILE". Meeting ISHAM 2006, Parigi (Francia), 25-29 Giugno 2006.
13. Severa M., Coccia E.M., Fitzgerald K.A. "TOLL-LIKE RECEPTOR-DEPENDENT AND -INDEPENDENT VIPERIN GENE EXPRESSION AND COUNTER-REGULATION BY PRDI-BF1/BLIMP1". "Cytokine 2006 Meeting", Vienna (Austria), 27-31 Agosto 2006.
14. Severa M., Remoli M.E., Giacomini E., Ragimbeau J., Lande R., Uze G., Pellegrini S., Coccia E.M. "DIFFERENTIAL RESPONSIVENESS TO IFN- α AND IFN- β OF HUMAN MATURE DC THROUGH MODULATION OF IFNAR EXPRESSION". "Cytokine 2006 Meeting", Vienna (Austria), 27-31 Agosto 2006.
15. Remoli M.E., Ragimbeau J., Giacomini E., Gafa V., Severa M., Lande R., Gafa V., Pellegrini S., Coccia E.M. "NF- κ B IS REQUIRED FOR STAT-4 EXPRESSION DURING DENDRITIC CELL MATURATION". "Cytokine 2006 Meeting", Vienna (Austria), 27-31 Agosto 2006.
16. Severa M., Remoli M.E., Giacomini E., Annidali V., Gafa V., Lande R., Tomai M., Salvetti M., Coccia E.M. "MODULATION OF TLR7 EXPRESSION VIA IFN- β /IRF-1 AXIS IN MATURING DC". International Meeting "From Interferon discovery to clinical application", Parigi (Francia), 30 Aprile 2007.
17. Lande R., Gafa V., Serafini B., Giacomini E., Salvetti M., Remoli M.E., Severa M., Parmentier M., Aloisi F., Coccia E.M. "IFN-BETA IMPAIRS PLASMACYTOID DENDRITIC CELL MATURATION: A NOVEL TARGET FOR IFN-BETA THERAPY IN MULTIPLE SCLEROSIS". International Meeting "From Interferon discovery to clinical application", Parigi (Francia), 30 Aprile 2007.
18. Remoli M.E., Gafa V., Giacomini E., Severa M., Lande R., Coccia E.M. "IFN-BETA MODULATES DC PHENOTYPE AND THEIR RESPONSE TO TLR STIMULATION: IMPACT ON IL-27 EXPRESSION". 6th National Conference SIICA, Roma, 11-14 Giugno, 2008.
19. Severa M., Caffrey D.R., Boyartchuk V., Fitzgerald K.A. "THE TRANSCRIPTIONAL REPRESSOR BLIMP-1 FINE-TUNES THE INNATE IMMUNE RESPONSE". 6th National Conference SIICA at the Plenary Symposium-Innate Immunity, Roma, 11-14 Giugno, 2008.
20. Knetter C.F., Kandimalla E., Björkbacka H., Freeman M., Severa M., Agrawal S., Fitzgerald K.A., Espevik T., Lien E. "A ROLE FOR IRF-5 IN TLR 9-MEDIATED INDUCTION OF THE ANTIVIRAL GENE VIPERIN BY AGONISTS OF TLR9". "Toll Meeting 2008: Recent advances in pattern recognition", Cascais (Portogallo), 24-27 Settembre 2008.
21. Severa M., Caffrey D.R., Boyartchuk V., Katherine A. Fitzgerald K.A. "BLIMP1-MEDIATED SUPPRESSION OF INNATE IMMUNITY". "Toll Meeting 2008: Recent advances in pattern recognition", Cascais (Portogallo), 24-27 Settembre 2008.
22. Giacomini E., Remoli M.E., Gafa V., Pardini M., Fattorini L., Severa M., Coccia E.M. "IFN- γ AS NATURAL ADJUVANT TO IMPROVE BCG VACCINATION", International Meeting "Needs and challenge in translational medicine: filling the gap between basic research and clinical applications". Roma, 1-3 Ottobre, 2008.
23. Giacomini E., Remoli M.E., Gafa V., Severa M., Romano S., Salvetti M., Coccia E.M. "IFN- γ THERAPY MODULATES TLR7 RESPONSIVENESS OF B CELLS IN MS PATIENTS"; XVIII Congresso AINI, Napoli, 8-11 Ottobre 2008.
24. Severa M., Lande R., Serafini B., Anastasiadou E., Giacomini E., Remoli M.E., Trivedi P., Aloisi F., Coccia E.M. "EBV AT THE CROSSROADS IN MS PATHOGENESIS: POSSIBLE ROLE OF pDC IN PERSISTENT VIRAL INFECTION IN THE CENTRAL NERVOUS SYSTEM". XVIII Congresso AINI, Napoli, 8-11 Ottobre 2008.
25. Giacomini E., Severa M., Rizzo F., Remoli M.E., Gafa V., Romano S., Mechelli R., Salvetti M., Coccia E.M. "B CELL RESPONSE TO IFN- γ THERAPY IN MS PATIENT: DIFFERENTIAL RESPONSIVENESS TO TLR AND INDUCTION OF AN ANTIVIRAL STATE". XVIII Congresso AINI, Napoli, 8-11 Ottobre 2008.
26. Remoli M.E., Giacomini E., Petruccioli E., Gafa V., Severa M., Iona E., Gagliardi M.C., Pine R., Nisini R., Coccia E.M. "MYCOBACTERIUM TUBERCULOSIS INDUCES A BYSTANDER EFFECT ON DC DIFFERENTIATION THROUGH THE RELEASE OF IL-10". Tri-Society Annual Conference 2009, Lisbon (Portugal) Settembre 2009.
27. Severa M., Serafini B., Gafa V., Anastasiadou E., Giacomini E., Trivedi P., Aloisi F., Coccia E.M. "EPSTEIN-BARR VIRUS AND PLASMACYTOID DENDRITIC CELLS: A POSSIBLE DUET IN AUTOIMMUNITY". Tri-Society Annual Conference 2009, Lisbon (Portugal) Settembre 2009.
28. Cappelletti C., Coccia E.M., Severa M., Baggi F., Confalonieri P., Morandi L., Blasevich F., Mantegazza R., Bernasconi P. "TYPE I INTERFERONS AND INNATE IMMUNITY: EVIDENCE OF A VIRAL ETIOLOGY FOR IDIOPATHIC INFLAMMATORY MYOPATHIES"; XIX Congresso AINI, Porto Cervo, 1-4 Ottobre 2009.
29. Giacomini E., Severa M., Rizzo F., Remoli M.E., Gafa V., Romano S., Mechelli R., Salvetti M., Coccia E.M. "TLR RESPONSIVENESS OF B CELLS IS MODULATED IN PATIENTS WITH MULTIPLE SCLEROSIS FOLLOWING IFN-BETA THERAPY". ESF-EMBO Symposium "B cells and Protection: Back to Basics" Sant Feliu de Guixols (Costa Brava, Spagna), 18-23 Aprile 2010.
30. Severa M., Giacomini E., Anastasiadou E., Gafa V., Rizzo F., Corazzari M., Romagnoli A., Fenderle R., Delecluse H.J., Trivedi P., Fimia G.M., Coccia E.M. "PLASMACYTOID DENDRITIC CELLS: A NOVEL TARGET FOR EBV INFECTION". "The 14th Biennial Conference of the International Association for Research on Epstein-Barr virus & associated diseases". Birmingham (UK), 4-7 Settembre 2010.
31. Rizzo F., Severa M., Giacomini E., Mechelli R., Annibaldi V., Salvetti M., Coccia E.M. "EFFECTS OF IFN- γ THERAPY ON THE EXPRESSION OF EPSTEIN-BARR VIRUS TRANSCRIPTS IN PBMC OF PATIENTS

WITH RELAPSING-REMITTING MULTIPLE SCLEROSIS". XX Congresso AINI, Stresa, 30 Settembre - 3 Ottobre 2010.

32. Severa M., Giacomini E., Anastasiadou E., Gafa V., Rizzo F., Corazzari M., Romagnoli A., Feederle R., Delecluse H.J., Trivedi P., Fimia G.M., Coccia E.M. "EBV INFECTS PLASMACYTOID DENDRITIC CELLS AND TRIGGERS TLR- AND AUTOPHAGY-DEPENDENT PATHWAYS". Toll Meeting 2011 – Decoding Innate Immunity, Riva del Garda (Italia), 4-7 Maggio 2011.

33. Severa M., Islam S., Caffrey D.R., Charo I., Luster A.D., Boyartchuk V.L., Fitzgerald K.A.. Role of the transcriptional repressor BLIMP1 in impeding host-defenses via suppression of CCL8 expression". Toll Meeting 2011 – Decoding Innate Immunity, Riva del Garda (Italia), 4-7 Maggio 2011.

34. Rizzo F., Severa M., Giacomini E., Mechelli R., Annibali V., Salvetti M., Coccia E.M. "EFFECTS OF INTERFERON-BETA THERAPY ON THE EXPRESSION OF EPSTEIN-BARR VIRUS TRANSCRIPTS IN PBMC OF PATIENTS WITH RELAPSING-REMITTING MULTIPLE SCLEROSIS". "9th Joint meeting of ICS-ISICR Cytokines and Interferons: from the bench to the bedside" Firenze, 9-12 ottobre 2011.

35. Severa M., Giacomini E., Rizzo F., Remoli M.E., Gafa V., Romano S., Mechelli R., Salvetti M., Coccia E.M. "TLR RESPONSIVENESS OF B CELLS IS MODULATED IN PATIENTS WITH MULTIPLE SCLEROSIS FOLLOWING IFN-BETA THERAPY". "9th Joint meeting of ICS-ISICR Cytokines and Interferons: from the bench to the bedside". Firenze, 9-12 ottobre 2011.

36. Severa M., Giacomini E., Anastasiadou E., Gafa V., Rizzo F., Corazzari M., Romagnoli A., Feederle R., Delecluse H.J., Trivedi P., Fimia G.M., Coccia E.M. "PLASMACYTOID DENDRITIC CELLS ARE INFECTED BY EPSTEIN BARR VIRUS AND INDUCES TLR-DEPENDENT TYPE I IFN PRODUCTION". "9th Joint meeting of ICS-ISICR Cytokines and Interferons: from the bench to the bedside". Firenze, 9-12 ottobre 2011.

37. Rizzo F., Giacomini E., Severa M., Mechelli R., Romano S., Annibali V., Salvetti M., Coccia E.M. "EFFECTS OF INTERFERON-BETA THERAPY ON B CELLS FROM PATIENTS WITH MULTIPLE SCLEROSIS". XXI Congresso AINI, Pollenzo (Cuneo), 22-25 settembre 2011.

38. Rizzo F., Giacomini E., Severa M., Mechelli R., Romano S., Annibali V., Salvetti M., Coccia E.M. "EFFECTS OF INTERFERON-BETA THERAPY ON B CELLS FROM PATIENTS WITH MULTIPLE SCLEROSIS". "Interferon Stimulated Genes and Their Protein Products International Congress". Prato, 13-14 ottobre 2011.

39. Giacomini E., Severa M., Rizzo F., Annibali V., Rosella M., Giovanni R., Riccieri V., Salvetti M., Coccia E.M. "INVESTIGATION OF TLR7-MEDIATED BYSTANDER RESPONSES IN MS PATIENTS UNDERGOING IFN-BETA THERAPY: UNVEILING THE B CELL-MONOCYTE CROSSTALK". XXII AINI Congress, Catania, 26-29 Settembre 2012.

40. Rizzo F., Giacomini E., Severa M., Annibali V., Mechelli R., Ristori G., Salvetti M., Coccia E.M. "INTERFERON-BETA THERAPY TARGETS MEMORY B CELLS OF MULTIPLE SCLEROSIS PATIENTS: INVESTIGATION OF THE MECHANISMS". 28th Congress of the European Committee for Treatment and Research in Multiple Sclerosis. Lyon (Francia), 10-13 Ottobre 2012.

41. Severa M., Giacomini E., Rizzo F., Annibali V., Remoli M.E., Romano S., Fornasiero A., Riccieri V., Salvetti M., Coccia E.M. "INTERFERON-BETA THERAPY DIFFERENTLY MODULATES TOLL-LIKE RECEPTOR 7 AND 9- INDUCED DIFFERENTIATION OF B LYMPHOCYTES IN MULTIPLE SCLEROSIS". 28th Congress of the European Committee for Treatment and Research in Multiple Sclerosis. Lyon (Francia), 10-13 Ottobre 2012.

42. Severa M., Rizzo F., Giacomini E., Mechelli R., Gafa V., Vittori D., Coarelli M., Salvetti M., Coccia E.M. "THE RESPONSE TO TOLL-LIKE RECEPTOR STIMULATION IS IMPAIRED IN PLASMACYTOID DENDRITIC CELLS OF MULTIPLE SCLEROSIS PATIENTS UNDERGOING INTERFERON-BETA THERAPY". 28th Congress of the European Committee for Treatment and Research in Multiple Sclerosis. Lyon (Francia), 10-13 Ottobre 2012.

43. Rizzo F., Severa M., Giacomini E., Mechelli R., Gafa V., Vittori D., Coarelli G., Salvetti M., Coccia E.M. "INTERFERON-BETA THERAPY INFLUENCES THE RESPONSE OF PLASMACYTOID DENDRITIC CELLS TO TOLL-LIKE RECEPTOR STIMULATION IN PATIENTS WITH MULTIPLE SCLEROSIS". 2012 CFCD Annual Meeting " Diversity and Plasticity of Dendritic Cells". Parigi 13-14 Dicembre 2012.

44. Etna M.P., Giacomini E., Pardini M., Severa M., Bottai D., Brosch R., Coccia E.M. "IMMUNOGENICITY ASSESSMENT OF LIVE TB VACCINE CANDIDATES IN HUMAN PRIMARY DENDRITIC CELLS". 15th International Congress of Immunology. Milano, 22-27 Agosto 2013.

45. Giacomini E., Severa M., Rizzo F., Mechelli R., Annibali V., Ristori G., Romano S., Salvetti M., Coccia E.M. "B CELL AND MONOCYTE CROSSTALK UNVEILS A NOVEL TLR7-REGULATED EFFECT OF IFN-BETA THERAPY IN MULTIPLE SCLEROSIS PATIENTS". XXIII AINI Congress, Milano, 22 agosto 2013.

46. Rizzo F., Giacomini E., Severa M., Romano S., Mechelli R., Ricigliano VAG., Salvetti M., Coccia E.M. "INTERFERON-BETA THERAPY SELECTIVELY REDUCES THE PERCENTAGE OF MEMORY B CELLS IN PATIENTS WITH MULTIPLE SCLEROSIS: INVESTIGATION OF THE MECHANISMS". XXIII AINI Congress, Milano, 22 agosto 2013.

47. Rizzo F., Giacomini E., Mechelli R., Annibali V., Romano S., Salvetti M., Coccia E.M., Severa M. "IMMUNOMODULATORY AND ANTIVIRAL EFFECTS OF IFN-B THERAPY IN MULTIPLE SCLEROSIS: TWO COINS OF THE SAME COIN. FOCUS ON B LYMPHOCYTES". Interferon Fundamentals 2014. Roma, 20 Febbraio 2014.

48. Etna M.P., Severa M., Remoli M.E., Gafa V., Pellegrini S., Pardini M., Bottai D., Brosch R., Coccia E.M., Giacomini E. "TYPE I IFN IN TUBERCULOSIS: FRIEND OR FOE". Interferon Fundamentals 2014. Roma, 20 Febbraio 2014.

49. Cruciani M., Camilli R., Etna M.P., Giacomini E., Severa M., Percario Z., Pozzi C., Affabris E., Pantosti A., Bagnoli F., Coccia E.M. "MATURATION OF HUMAN DENDRITIC CELLS IN RESPONSE TO STAPHYLOCOCCUS AUREUS". DC 2014 13th International Symposium on Dendritic Cells. Tours (Francia), 14-18 Settembre 2014.

50. Severa M., Giacomini E., Rizzo F., Mechelli R., Annibali V., Buscarinu M.C., Salvetti M., Coccia E.M. "IFN-BETA THERAPY-DRIVEN STRINGENT REGULATION OF TLR7 RESPONSES IN MULTIPLE SCLEROSIS PATIENTS: A COMPLEX REGULATORY NETWORK INVOLVING KEY IMMUNE CELL TYPES". XXIV AINI congress 2014. Sorrento, 1- 4 Ottobre 2014.

51. Rizzo F., Giacomini E., Severa M., Mechelli M., Romano S., Ricigliano VAG., Salvetti M., Coccia E.M. "UNVEILING A NOVEL IMMUNOMODULATORY ROLE FOR INTERFERON-BETA THERAPY IN MULTIPLE

SCLEROSIS: THE SELECTIVE REDUCTION OF PATHOGENIC MEMORY B CELLS". Cytokines Down Under, ISICR-ICI Congress, Melbourne (Australia), 26-29 Ottobre 2014.

52. Giacomini E., Cruciani M., Severa M., Etna MP., Rizzo F., Garaci E., Coccia EM. "DUAL EFFECT OF THYMOSIN ALPHA 1 ON HUMAN PRIMARY DENDRITIC CELLS TO TLR TRIGGERING: IMPLICATIONS IN VIRAL-BACTERIAL INTERACTIONS". Fourth International Symposium on "Thymosins in Health and Disease", Roma, 23-25 Ottobre 2014.

53. Severa M., "ANALYZING HOW DIFFERENT IMMUNE-MODULATORY THERAPIES TARGET PATHOGENIC MEMORY B CELLS IN MULTIPLE SCLEROSIS: ALL ROADS LEAD TO...ROME". Convegno "Giornata Romana Immunologia - Università la Sapienza", Roma, 8 Giugno 2015;

54. Cruciani M., Camilli R., Etna M.P., Giacomini E., Severa M., Pozzi C., Percario Z., Affabris E., Pantosti A., Bagnoli F., Coccia E.M. "HUMAN DENDRITIC CELL IMMUNE-REGULATION IN RESPONSE TO STAPHYLOCOCCUS AUREUS INFECTION". International SIICA Retreat of PhD Students in Immunology, Catanzaro, 19-20 Giugno 2015.

55. Etna MP., Sinigaglia A., Grassi A., Giacomini E., Pardini M., Severa M., Cruciani M., Barzon L., Di Camillo B., Manganelli R., Coccia EM. "MYCOBACTERIUM TUBERCULOSIS SUBVERTS THE PROCESSING OF THE AUTOPHAGOSOMAL MARKER LC3 BY PROMOTING MIR-155 EXPRESSION IN HUMAN DENDRITIC CELLS". EMBO Autophagy signaling and progression in health and disease. Chia (Italy), 9-12 Settembre 2015.

56. Etna MP., Giacomini E., Pardini M., Severa M., Bottai D., Brosch R., Coccia EM. "IMMUNOGENICITY ASSESSMENT OF LIVE TB VACCINE CANDIDATES IN A HUMAN PRIMARY DENDRITIC CELL-BASED EXPERIMENTAL MODEL". IABS Conference, The Netherlands, 16-18 Settembre, 2015.

57. Severa M. "IMMUNOGENICITY ASSESSMENT OF DIFFERENT VACCINE CANDIDATES IN A HUMAN DENDRITIC CELL-BASED PRE-CLINICAL MODEL". Young Scientists Networking Workshop INFECT-ERA; Budapest, 13-15 Ottobre 2015.

58. Rizzo F., Giacomini E., Etna M.P., Cruciani M., Mechelli R., Buscarinu MC., Salvetti M., Garaci E., Coccia EM., Severa M. "ANTI-INFLAMMATORY POTENTIAL OF THYMOSIN-ALPHA 1 IN RELAPSING-REMITTING MULTIPLE SCLEROSIS: EFFECTS ON B CELL COMPARTMENT". XXV AINI Congress 2016, Lecce, 11-14 Maggio 2016.

59. Etna MP., Sinigaglia A., Grassi A., Giacomini E., Pardini M., Severa M., Cruciani M., Romagnoli A., Barzon L., Di Camillo B., Fimia GM., Manganelli R., Coccia EM. "MYCOBACTERIUM TUBERCULOSIS SUBVERTS THE PROCESSING OF THE AUTOPHAGOSOME MARKER LC3 BY PROMOTING MIR-155 EXPRESSION IN HUMAN DENDRITIC CELLS. INTRINSIC AND INNATE IMMUNITY TO PATHOGENS". International Summer Course SIICA "Intrinsic and innate immunity to pathogens", Novara, 23-25 Giugno 2016.

60. Cruciani M., Etna MP., Camilli R., Giacomini E., Severa M., Pozzi C., Percario Z., Affabris E., Pantosti A., Bagnoli F., Coccia EM. "INFLUENCE OF STAPHYLOCOCCUS AUREUS ON FUNCTIONAL ACTIVITY OF HUMAN PRIMARY DENDRITIC CELLS. INTRINSIC AND INNATE IMMUNITY TO PATHOGENS". International Summer Course SIICA "Intrinsic and innate immunity to pathogens", Novara (Italia). Novara, 23-25 Giugno 2016.

61. Etna M.P., Sinigaglia A., Grassi A., Giacomini E., Pardini M., Severa M., Cruciani M., Romagnoli A., Barzon L., Di Camillo, Fimia GM., Manganelli R. "MYCOBACTERIUM TUBERCULOSIS SUBVERTS AUTOPHAGOSOME FORMATION BY INDUCING MIR-155 EXPRESSION IN HUMAN DENDRITIC CELLS". EMBO Conference Tuberculosis 2016, Parigi (Francia) 19-23 Settembre 2016.

62. Severa M., Srinivasan S., Rizzo F., Di Dario M., Giacomini E., Buscarinu MC., Cruciani M., Etna MP., Mechelli R., Hertzog P.J., Salvetti M., Farina C., Coccia EM. "INTERFEROME-BASED TRANSCRIPTOME ANALYSIS OF PAIRED B CELLS AND MONOCYTES IDENTIFIES DYSREGULATION IN INTERFERON-REGULATED PATHWAYS IN RELAPSING-REMITTING MULTIPLE SCLEROSIS PATIENTS". XXVI AINI-16th ESNI, Venezia, 26-30 Giugno 2017.

63. Giacomini E., Rizzo F., Etna MP., Cruciani M., Mechelli R., Buscarinu MC., Pica F., Garaci E., Salvetti M., Severa M., Coccia EM. "THYMOSIN ALPHA 1: THE NEWCOMER IN THE FIELD OF MULTIPLE SCLEROSIS". 5th International Symposium in health and Disease. Washington, (DC, USA), 15-17 Novembre 2017.

64. Severa M. (invited speaker) "GLI INTERFERONI NELLA SCLEROSI MULTIPLA: DAL MECCANISMO MOLECOLARE ALL'EFFICACIA TERAPEUTICA". Convegno Giovani AISM "Sclerosi Multipla e Terapie: work in progress", Roma, 16 Dicembre 2017.

65. Severa M., Srinivasan S., Rizzo F., Di Dario M., Giacomini E., Buscarinu MC., Cruciani M., Etna MP., Sandini S., Mechelli R., Hertzog P.J., Salvetti M., Farina C., Coccia EM. "MAPPING B CELL AND MONOCYTE SPECIFIC PATHOGENIC SIGNATURES IN RELAPSING-REMITTING MULTIPLE SCLEROSIS: AN INTERFEROME-BASED TRANSCRIPTOMIC APPROACH". XXVII AINI, Trieste, 7-10 Maggio 2018.

66. Severa M., Palmisano L., Menniti Ippolito F., Salvetti M., Centonze D., Pichini S., C. Gasperini C., Coccia E.M. "TERAPIE PER LA SCLEROSI MULTIPLA". "AISM e ISS: insieme per la Sclerosi Multipla", Roma, 11 Giugno 2018.

67. Rizzo F., Coccia E.M., Severa M., Antozzi C., Mantegazza R., Bernasconi P., Cavalcante P. "OPTIMIZATION OF A PROTOCOL FOR EBV TRANSCRIPT QUANTIFICATION BY RT-QPCR IN PERIPHERAL BLOOD AND THYMUSES OF PATIENTS AFFECTED BY MYASTHENIA GRAVIS". 2nd National Congress of the Italian Society for Virology "One virology one health". Roma, 28-30 Novembre 2018.

68. Severa M., Srinivasan S., Rizzo F., Di Dario M., Giacomini E., Buscarinu M.C., M., Etna M.P., Sandini S., Mechelli R., Farina A., Trivedi P., Hertzog P.J., Salvetti M., Farina C., Coccia E.M. Mapping B cell and monocyte specific pathogenic signatures in relapsing-remitting Multiple Sclerosis: an Interferome-based transcriptomic approach. XXVII AINI Congress, Trieste, May 07 - 10, 2018.

69. Alleri L., Rinaldi M., Terrosi M., Etna MP., Giacomini E., Rizzo F., Severa M., Ricci D., Von Hunolstein C., Coccia EM, Shaid S, Descampe E, Brandini E, Cecchi R, Buccianti F, Spreitzer I, Vitali G. Animal-free method to test pyrogenicity of tick-borne encephalitis virus (TBEV) human vaccine. 11th World Congress on Alternatives and the Use of Animal in the Life Sciences, 23 Agosto - 2 Settembre 2021.

70. Ricci D, Etna MP, Signorazzi A, Severa M, Rizzo F, Giacomini E, Gaggioli A, Bekeredjian-Ding, Huckriede A, Coccia EM. Type I IFN and plasmacytoid DC at the crossroad of antiviral and humoral response directed against

tick-borne encephalitis virus. 9th Annual Meeting of the International Cytokine & Interferon Society, 17-20 Ottobre 2021.

71. Severa M, Diotti R, Etna MP, Rizzo F, Fiore S, Ricci D, Iannetta M, Sinigaglia A, Lodi A, Mancini N, Criscuolo E, Clementi M, Andreoni M, Balducci S, Barzon L, Stefanelli P, Clementi N, Coccia EM. Differential plasmacytoid dendritic cell phenotype and type I Interferon response: towards a more nuanced understanding of asymptomatic and severe COVID-19 infection. 9th Annual Meeting of the International Cytokine & Interferon Society, 17-20 Ottobre 2021.

72. Landi D, Severa M, Grimaldi A, Cola G, Di Mauro G, Mataluni G, Nicoletti C, Rizzo F, Ricci D, Coccia EM, Marfia AG. B cell subset dynamic during pregnancy and early post-partum in women with MS. AAN2022 74th Annual Meeting of American Academy of Neurology, Seattle April 2-7 2022.

73. Severa M, Ricci D, Rizzo F, Sinigaglia A, Grimaldi A, Etna MP, Landi D, Buscarinu MC, Valdarchi C, Ristori G, Riccetti S, Piubelli C, Palmerini PA, Rosato A, Gobbi F, Balducci S, Marfia GA, Salvetti M, Barzon L, Coccia EM. Early immune signature as correlate of anti-COVID-19 BNT162b2 vaccine protective response: differences and similarities in healthy vaccine recipients and people with Multiple Sclerosis treated with disease-modifying therapies. XXX Congresso AINI, Riccione, Italy. 16-19 Maggio 2022.

74. Severa M, Landi D, Grimaldi A, Cola G, Rizzo F, Ricci D, Nicoletti CG, Mataluni G, Coccia EM, Marfia GA. B cell subset dynamic during pregnancy and early post-partum in women with Multiple Sclerosis. XXX Congresso AINI, Riccione, Italy, 16-19 Maggio 2022.

75. Sinigaglia A, Coccia EM, Severa M, Riccetti S, Trevisan M, Masi G, Abate D, Ricci D, Rizzo F, Etna MP, Piubelli C, Palmerini P, Gobbi F, Rosato A, Barzon L. Early immune signature as correlate of protective antibody response to the BNT162b2 mRNA vaccine. 6th National Congress of the Italian Society for Virology, 3-5 Giugno 2022.

76. Ricci D, Rizzo F, Etna MP, Severa M and Coccia EM. Effect of Thymosin- α 1 on TLR7-mediated immune response in autoimmunity and immunity against infections: an integrated view. 6th International Symposium on Thymosins in Health and Disease, Rome, Italy, 20-22 Ottobre 2022.

77. Ricci D, Etna MP, Severa M, Rizzo F, Palamara AT, Coccia EM. Immunomodulatory effect of Thymosin- α 1 on innate inflammatory response induced by SARS-CoV-2 infection: evidence in a peripheral blood mononuclear cell-based in vitro model. International Student Congress Of (bio)Medical Sciences – ISCOMS, Groningen, Netherlands, 5-8 Giugno 2023.

78. Procaccini C, Ricci D, Russo C, Landi D, De Rosa G, Etna MP, Napoli F, Marfia GA, Matarese G, Coccia EM, Severa M. B cell metabolic reprogram in Multiple Sclerosis: insights on bioenergetic pathways and differentiation status. 9th Joint Meeting ECTRIMS-ACRIMS, Milano, Italy, 11-13 Ottobre 2023.

79. Procaccini C., Ricci D., Russo C., Landi D., De Rosa G., Etna M.P., Napoli F., Marfia G.A., Matarese G., Coccia E.M Severa M. "B CELL METABOLIC REPROGRAM IN MULTIPLE SCLEROSIS: INSIGHTS ON BIOENERGETIC PATHWAYS AND DIFFERENTIATION STATUS". XXVII AINI Congress, Cagliari, 6-9 May 2024

80. Severa M., Criscuolo E., Castelli M., Cairo G., Etna M.P., Ricci D., Burioni R., Palamara A.T., Clementi N., Coccia E.M. "SINGLE CELL MULTI-OMIC ANALYSIS OF THE INNATE IMMUNE COMPARTMENT REVEALS A SARS-CoV-2-SPECIFIC PHENOTYPE IN HUMAN MONOCYTES". 18th Congress of International Union of Microbiological Societies (IUMS 2024), Firenze, 23-25 October 2024.

Participations to Report Meetings
of National or International
Projects (as oral or poster
presenter)

1. Severa M., Giacomini E., Rizzo F., Remoli M.E., Gafa V., Coccia E.M. "CELLULE DENDRITICHE PLASMACITOIDI NELLA SCLEROSI MULTIPLA: RUOLO NEL CONTROLLO DELLA RISPOSTA IMMUNITARIA IN PAZIENTI TRATTATI CON IFN-BETA". Conferenza "Le Ricerche finanziate dalla Fondazione Italiana Sclerosi Multipla", Roma, 26-27 Maggio 2009.
2. Giacomini E., Gafa V., Remoli M.E., Rizzo F., Severa M., Salvetti M., Battistini L., Coccia E.M. "Cellule Dendritiche plasmacitoidi: ruolo nel controllo della risposta immunitaria in pazienti trattati con IFN- β ". Conferenza "La Ricerca sulla Sclerosi Multipla finanziata dalla Fondazione Italiana Sclerosi Multipla". Roma, 26-27 Maggio 2010.
3. Severa M., Giacomini E., Rizzo F., Gafa V., Remoli M.E., Romano S., Mechelli R., Annibaldi V., Salvetti M., Coccia E.M. "PLASMACYTOID DC IN MS: ROLE IN THE CONTROL OF IMMUNORESPONSE IN PATIENTS UNDER IFN-BETA THERAPY". "Congresso Scientifico Annuale della Fondazione Italiana Sclerosi Multipla", Roma, 25-26 Maggio 2011.
4. Severa M., Giacomini E., Rizzo F., Gafa V., Remoli M.E., Romano S., Mechelli R., Annibaldi V., Salvetti M., Coccia E.M. "PLASMACYTOID DC IN MS: ROLE IN THE CONTROL OF IMMUNORESPONSE IN PATIENTS UNDER IFN-BETA THERAPY". "Congresso Scientifico Annuale della Fondazione Italiana Sclerosi Multipla", Roma, 30-31 Maggio 2012.
5. Etna M., Romagnoli A., Giacomini E., Severa M., Pardini M., Corazzari M., Simeone R., Brosch R., Fimia G., Coccia E.M. "DC RESPONSE TO LIVE VACCINE CANDIDATE". 4th annual meeting of NEWTBVAC Project, Les Diablerets (Svizzera), 30 Gennaio - 1 Febbraio 2013.
6. Etna M., Giacomini E., Severa M., Pardini M., Brosch R., Coccia EM. "DC RESPONSE TO LIVE VACCINE CANDIDATE". 5th annual meeting of NEWTBVAC Project, Les Diablerets (Svizzera), 5-7 Febbraio 2014.
7. Severa M., Rizzo F., Giacomini E., Srinivasan S., Menon R., Di Dario M., Buscarinu M.C., Mechelli R., Salvetti M., Furlan R., Martino G., Martinelli V., Comi G., Hertzog P., Farina C., Coccia E.M. "ANALYSIS OF INTERFEROME IN MS: SEARCHING FOR DYSREGULATED PATHWAYS". "Congresso Scientifico Annuale della Fondazione Italiana Sclerosi Multipla", Roma, 27-29 Maggio 2015.
8. Severa M., Rizzo F., Giacomini E., Srinivasan S., Menon R., Di Dario M., Buscarinu M.C., Mechelli R., Salvetti M., Furlan R., Martino G., Martinelli V., Comi G., Hertzog P., Farina C., Coccia E.M.

- "ANALYSIS OF INTERFEROME IN MS: SEARCHING FOR DYSREGULATED PATHWAYS".
"Congresso Scientifico Annuale della Fondazione Italiana Sclerosi Multipla", Roma, 25-27 Maggio 2016.
9. Severa M., Rizzo F., Giacomini E., Srinivasan S., Menon R., Di Dario M., Buscarinu M.C., Mechelli R., Salvetti M., Furlan R., Martino G., Martinelli V., Comi G., Hertzog P., Farina C., Coccia E.M.
"ANALYSIS OF INTERFEROME IN MS: SEARCHING FOR DYSREGULATED PATHWAYS".
"Congresso Scientifico Annuale della Fondazione Italiana Sclerosi Multipla", Roma, 29-31 Maggio 2017.
 10. Mallano A., Sandini S., Rizzo F., Giacomini E., Etna M.P., Cruciani M., Buscarinu M.C., Mechelli R., Salvetti M., Coccia E.M., Severa M. "AN INTERFERON-BETA-CONJUGATED ANTIBODY TARGETED TO B CELLS: A NOVEL IMMUNOCYTOKINE FOR THE TREATMENT OF MULTIPLE SCLEROSIS". "Congresso Scientifico Annuale della Fondazione Italiana Sclerosi Multipla", Roma, 29-31 Maggio 2017.
 11. Severa M., Etna M.E., Giacomini E., Rizzo F., Ricci E., Coccia E.M. PAN Ebola Vaccine Innovative Approach (PEVIA) IMI Project kick off meeting, Parigi (Francia), 4 Ottobre 2017.
 12. Severa M., Rizzo F., Giacomini E., Srinivasan S., Menon R., Di Dario M., Buscarinu M.C., Mechelli R., Salvetti M., Furlan R., Martino G., Martinelli V., Comi G., Hertzog P., Farina C., Coccia E.M.
"ANALYSIS OF INTERFEROME IN MS: SEARCHING FOR DYSREGULATED PATHWAYS".
"Congresso Scientifico Annuale della Fondazione Italiana Sclerosi Multipla", Roma, 28-30 Maggio 2018.
 13. Mallano A., Sandini S., Rizzo F., Giacomini E., Etna M.P., Cruciani M., Buscarinu M.C., Mechelli R., Salvetti M., Coccia E.M., Severa M. "AN INTERFERON-BETA-CONJUGATED ANTIBODY TARGETED TO B CELLS: A NOVEL IMMUNOCYTOKINE FOR THE TREATMENT OF MULTIPLE SCLEROSIS". "Congresso Scientifico Annuale della Fondazione Italiana Sclerosi Multipla", Roma, 28-30 Maggio 2018.
 14. Severa M., Etna M.E., Giacomini E., Rizzo F., Ricci E., Coccia E.M. "VALIDATION OF OPTIMAL FORMULATION(S) OF EBOLA VACCINE CANDIDATES AND ASSESSMENT OF THEIR IMMUNOGENICITY IN HUMAN SETTINGS (WORK PACKAGE 3, TASK 3)". PAN Ebola Vaccine Innovative Approach (PEVIA) IMI Project Consortium Meeting, Losanne (Svizzera), 29 Giugno 2018.
 15. Etna M.P., Giacomini E., Severa M., Ricci D., von Hunolstein C., Coccia E.M., "DEVELOPMENT AND OPTIMIZATION OF CELLULAR ASSAYS BASED ON ANALYSIS OF HUMAN TBEV VACCINE-INDUCED ACTIVATION OF PRIMARY APC". VAC2VAC Annual Meeting, Marsilius Kolleg, Bilthoven (Olanda), 26-28 Marzo 2019.
 16. Severa M., Etna M.E., Giacomini E., Rizzo F., Ricci E., Coccia E.M. "VALIDATION OF OPTIMAL FORMULATION(S) OF EBOLA VACCINE CANDIDATES AND ASSESSMENT OF THEIR IMMUNOGENICITY IN HUMAN SETTINGS (WORK PACKAGE 3, TASK 3)". PAN Ebola Vaccine Innovative Approach (PEVIA) IMI Project Annual meeting, Roma, 5-6 Novembre 2018.
 17. Severa M., Etna M.E., Giacomini E., Rizzo F., Ricci E., Coccia E.M. "PAN EBOLA VACCINE INNOVATIVE APPROACH (PEVIA)" IMI Project Work Package Leader update Meeting, Parigi (Francia), 5 Aprile 2019.
 18. Severa M., Etna M.E., Giacomini E., Rizzo F., Ricci E., Coccia E.M. "VALIDATION OF OPTIMAL FORMULATION(S) OF EBOLA VACCINE CANDIDATES AND ASSESSMENT OF THEIR IMMUNOGENICITY IN HUMAN SETTINGS (WORK PACKAGE 3, TASK 3)". PAN Ebola Vaccine Innovative Approach (PEVIA) IMI Project Annual meeting, Roma, 13 Giugno 2019.
 19. Severa M., Etna M.E., Giacomini E., Rizzo F., Ricci E., Coccia E.M. "WORK PACKAGE 3 MEETING REPORT ON ADJUVANT SELECTION FOR PRECLINICAL AND CLINICAL STUDIES". PAN Ebola Vaccine Innovative Approach (PEVIA) IMI Project. Nizza (Francia), 10 Settembre 2019.
 20. Severa M., Etna M.E., Giacomini E., Rizzo F., Ricci E., Coccia E.M. "PAN EBOLA VACCINE INNOVATIVE APPROACH (PEVIA) IMI PROJECT INTERIM REVIEW MEETING", Brussels (Belgio), 29 Novembre 2019.
 21. Severa M., Criscuolo E., Castelli M., Cairo G., Etna M.P., Ricci D., Burioni R., Palamara A.T., Clementi N., Coccia E.M. "Single cell multi-omic innate immune cell analysis reveals a SARS-COV-2-specific monocyte phenotype" Annual Meeting MUR PNRR Extended Partnership initiative on Emerging Infectious Diseases (Project no. PE00000007, INF-ACT), Pavia, 11-12 September 2024.
 22. Criscuolo E., Severa M., Castelli M., Cairo G., Etna M.P., Ricci D., De Angelis M., Nencioni L., Palamara A.T., Burioni R., Coccia E.M., Clementi N. "Differential cytokine profile in SARS-CoV-2 VOCs-treated PBMC: insights into viral subgenomic RNAs". Annual Meeting MUR PNRR Extended Partnership initiative on Emerging Infectious Diseases (Project no. PE00000007, INF-ACT), Pavia, 11-12 September 2024.

Rome, 2025, January 2nd