

PERSONAL INFORMATION

Prof. Elena **Toniato**, PhD


e.Toniato@unich.it



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Sex Female | Date of birth 20/12/1959 | Nationality Italian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

Associate Professor of General Pathology, Department of Medical, Oral and Biotechnology Sciences, University of Chieti, Chieti, Italy

WORK EXPERIENCE

1989 – 2002	Ricercatore Universitario (Research Associate), Department of Experimental Medicine, University of L'Aquila, L'Aquila, Italy
1986 -1989	Post-doctoral fellow, Department of Molecular Biophysics and Biochemistry, Yale University, New Haven, CT –USA
2002 – up to date	Associate Professor of General Pathology, Department of Medical, Oral and Biotechnology Sciences, University of Chieti, Chieti, Italy
2002 – 2009	Chief, Genomic Unit, Center of Excellence on Aging, University of Chieti, Chieti, Italy
2002 – up to date	Member, Committee of Clinical Pathology Graduate School, University of Chieti, Chieti, Italy

EDUCATION AND TRAINING

1978 High School Degree, Liceo Classico "Vivona", Rome, Italy

Replace with EQF
(or other) level if
relevant

1978 – 1983 Attending 5 years at the University of Rome "La Sapienza" on Biology
Graduation in Biology, (110/110), University of Rome "La Sapienza", Rome, Italy

1986 – 1989 PhD program in Experimental Medicine, University of Rome "La Sapienza", Rome, Italy

2013 – up to date Attending courses on Bioethical and Philosophical Studies, Pontifical University of the Santa Croce, Rome, Italy

Up to date
2023

NATIONAL ABILITATION IN 06/N1

(MED/46 - SCIENZE TECNICHE DI MEDICINA DI LABORATORIO, MED/48 - SCIENZE INFERMIERISTICHE E TECNICHE NEURO-PSICHIATRICHE E RIABILITATIVE, MED/47 - SCIENZE INFERMIERISTICHE OSTETRICOGINECOLOGICHE, MED/49 - SCIENZE TECNICHE DIETETICHE APPLICATE, MED/50 - SCIENZE TECNICHE MEDICHE APPLICATE, M-EDF/01 – METODI E DIDATTICHE DELLE ATTIVITA' MOTORIE, M-EDF/02 - METODI E DIDATTICHE DELLE ATTIVITA' SPORTIVE)

PERSONAL SKILLS

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Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/C2	C1/C2	C1/C2	C1/C2	C1/C2
Replace with name of language certificate. Enter level if known.					
French	A1/A2	A1/A2	A1/A2	A1/A2	A1/A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Exilient Communication gained through experience in teaching to undergraduate and graduate students

Organisational / managerial skills

- Leadership gained through running a lab in Molecular Pathology and Immunology. PI ina scientific group of at least 10 people
- Responsabile scientifico, Prin 2003, Ministero dell'Università, "Interazione funzionale tra trasduttori coinvolti nella risposta biologica indotta da interferoni I e II" cofinanziamento MIUR
- Responsabile scientifico,,Prin 2000, "Caratterizzazione biochimica e funzionale di fattori interattori della proteina SOCS-1 (Suppressor of cytokine signaling) nella risposta biologica indotta da Interferoni", cofinanziamento MIUR
- Co-responsabile scientifico, Prin 1999, "Studio delle pathways biochimiche e molecolari attraverso cui gli antiossidanti controllano la proliferazione cellulare e l'apoptosi.", cofinanziamento MIUR
- Co-responsabile scientifico, Prin 1998, "Studio dei meccanismi di trasduzione del segnale di acido retinoico e ifn-gamma per l'induzione di icam-1: ruolo dei coattivatori e del crosstalk tra i due meccanismi.", cofinanziamento MIUR

Job-related skills

- Responsible of a scientific group in the Genomic Unit, Center of Excellence on Aging and in the Department of Medical, Oral and Biotechnology Sciences, University of Chieti, Chieti, Italy

Digital competence

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
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Independent user	Independent user	Independent user	Independent user	Independent user
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Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Other skills

Driving licence Driver license B

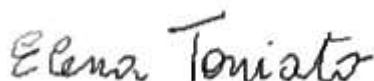
ADDITIONAL INFORMATION

Publications	See enclosed list, source Scopus
Presentations	
Projects	
Conferences	
Seminars	
Honours and awards	
Memberships	
References	
Citations	See enclosed list for for titles
Courses	
Certifications	

ANNEXES

Replace with list of documents annexed to your CV.
 See enclosed list.

CHIETI, 3 February 2021 Signature:



List of Publications

Scopus
 EXPORT DATE: January 2021

1: Di Gregorio J, Robuffo I, Spalletta S, Giambuzzi G, De Iuliis V, Toniato E, Martinotti S, Conti P, Flati V. The Epithelial-to-Mesenchymal Transition as a Possible Therapeutic Target in Fibrotic Disorders. Front Cell Dev Biol. 2020 Dec 21;8:607483. doi: 10.3389/fcell.2020.607483. PMID: 33409282; PMCID: PMC7779530.

2: Taverna G, Di Francesco S, Borroni EM, Yiu D, Toniato E, Milanesi S, Chiriva-Internati M, Bresalier RS, Zanoni M, Vota P, Maffei D, Justich M, Grizzi F. The kidney, COVID-19, and the chemokine network: an intriguing trio. Int Urol Nephrol. 2021 Jan;53(1):97-104. doi: 10.1007/s11255-020-02579-8. Epub 2020 Jul 27. PMID: 32720031; PMCID: PMC7384276.

3: Conti P, Caraffa A, Gallenga CE, Ross R, Kritas SK, Frydas I, Younes A, Di Emidio P, Ronconi G, Toniato E. IL-1 induces thromboxane-A2 (TxA2) in COVID-19 causing inflammation and micro-thrombi: inhibitory effect of the IL-1 receptor antagonist (IL-1Ra). J Biol Regul Homeost Agents. 2020 Sep-Oct;34(5):1623-1627. doi: 10.23812/20-34-4EDIT-65. PMID: 32744052.

4: Conti P, Gallenga CE, Tetè G, Caraffa A, Ronconi G, Younes A, Toniato E, Ross R, Kritas SK. How to reduce the likelihood of coronavirus-19 (CoV-19 or SARS-CoV-2) infection and lung inflammation mediated by IL-1. *J Biol Regul Homeost Agents*. 2020 March-April;34(2):333-338. doi: 10.23812/Editorial-Conti-2. PMID: 32228825.

5: De Iuliis V, Ursi S, Pennelli A, Caruso M, Capodifoglio S, Marino A, Flati V, Vitullo G, Toniato E, Robuffo I, Martinotti S. A Method to Study the C924T Polymorphism of the Thromboxane A2 Receptor Gene. *J Vis Exp*. 2019 Apr 1;(146). doi: 10.3791/57289. PMID: 30985753.

6: Di Francesco S, Caruso M, Robuffo I, Militello A, Toniato E. The Impact of Metabolic Syndrome and Its Components on Female Sexual Dysfunction: A Narrative Mini-Review. *Curr Urol*. 2019 Mar 8;12(2):57-63. doi: 10.1159/000489420. PMID: 31114461; PMCID: PMC6504795.

7: Di Francesco S, Robuffo I, Caruso M, Giambuzzi G, Ferri D, Militello A, Toniato E. Metabolic Alterations, Aggressive Hormone-Naïve Prostate Cancer and Cardiovascular Disease: A Complex Relationship. *Medicina (Kaunas)*. 2019 Mar 7;55(3):62. doi: 10.3390/medicina55030062. PMID: 30866568; PMCID: PMC6473682.

8: Gallenga CE, Pandolfi F, Caraffa Al, Kritas SK, Ronconi G, Toniato E, Martinotti S, Conti P. Interleukin-1 family cytokines and mast cells: activation and inhibition. *J Biol Regul Homeost Agents*. 2019 Jan-Feb;33(1):1-6. PMID: 30656901.

9: Spalletta S, Flati V, Toniato E, Di Gregorio J, Marino A, Pierdomenico L, Marchisio M, D'Orazi G, Cacciatore I, Robuffo I. Carvacrol reduces adipogenic differentiation by modulating autophagy and ChREBP expression. *PLoS One*. 2018 Nov 12;13(11):e0206894. doi: 10.1371/journal.pone.0206894. PMID: 30418986; PMCID: PMC6231630.

10: Tettamanti L, Kritas SK, Gallenga CE, D'Ovidio C, Mastrangelo F, Ronconi G, Caraffa Al, Toniato E, Conti P. IL-33 mediates allergy through mast cell activation: Potential inhibitory effect of certain cytokines. *J Biol Regul Homeost Agents*. 2018 Sep-Oct;32(5):1061-1065. PMID: 30334399.

11: De Iuliis V, Marino A, Caruso M, Capodifoglio S, Flati V, Marynuk A, Marricareda V, Ursi S, Lanuti P, Talora C, Conti P, Martinotti S, Toniato E. Autophagy processes are dependent on EGF receptor signaling. *Oncotarget*. 2018 Jul 13;9(54):30289-30303. doi: 10.18632/oncotarget.25708. PMID: 30100990; PMCID: PMC6084397.

12: Matarazzo I, Toniato E, Robuffo I. Psychobiome Feeding Mind: Polyphenolics in Depression and Anxiety. *Curr Top Med Chem*. 2018;18(24):2108-2115. doi: 10.2174/1568026619666181210151348. PMID: 30526463.

13: Kritas SK, Gallenga CE, D Ovidio C, Ronconi G, Caraffa Al, Toniato E, Lauritano D, Conti P. Impact of mold on mast cell-cytokine immune response. *J Biol Regul Homeost Agents*. 2018 Jul-Aug;32(4):763-768. PMID: 30043558.

14: Gallenga PE, Del Boccio M, Gallenga CE, Neri G, Pennelli A, Toniato E, Lobefalo L, Maritati M, Perri P, Contini C, Del Boccio G. Diagnosis of a neonatal ophthalmic discharge, Ophthalmia neonatorum, in the molecular age: investigation for a correct therapy. *J Biol Regul Homeost Agents*. 2018 Jan-Feb;32(1):177-184. PMID: 29504385.

15: De Iuliis V, Dadorante V, Marino A, Griffo I, Pennelli A, Breda V, Robuffo I, Ursi S, Martinotti S, Caputi S, Toniato E. Cytokine expression profile and

blood parameter evaluation of patients undergoing cardiac surgery. *J Biol Regul Homeost Agents*. 2017 Oct-Dec;31(4):1109-1113. PMID: 29254322.

16: Robuffo I, Toniato E, Tettamanti L, Mastrangelo F, Ronconi G, Frydas I, Caraffa Al, Kritas SK, Conti P. Mast cell in innate immunity mediated by proinflammatory and antiinflammatory IL-1 family members. *J Biol Regul Homeost Agents*. 2017 Oct-Dec;31(4):837-842. PMID: 29254286.

17: De Iuliis V, Ursi S, Pennelli A, Caruso M, Nunziata A, Marino A, Flati V, Cipollone F, Giamberardino MA, Vitullo G, Toniato E, Conti P, Martinotti S. Differential TBXA2 receptor transcript stability is dependent on the C924T polymorphism. *Prostaglandins Other Lipid Mediat*. 2018 Jan;134:141-147. doi: 10.1016/j.prostaglandins.2017.07.001. Epub 2017 Jul 11. PMID: 28709878.

18: De Iuliis V, Ursi S, Vitullo G, Griffo I, Marino A, Caruso M, Cipollone F, Capodifoglio S, Breda V, Toniato E, Pennelli A, Conti P, Martinotti S. Analytical Management of Patients Undergoing Oral Anticoagulant Therapy Could Have a Strong Impact on Clinical Outcomes: A Follow-up Study. *Cardiol Ther*. 2017 Dec;6(2):261-271. doi: 10.1007/s40119-017-0090-x. Epub 2017 May 19. PMID: 28526929; PMCID: PMC5688967.

19: Conti P, Caraffa Al, Kritas SK, Ronconi G, Lessiani G, Toniato E, Theoharides TC. Mast cell, pro-inflammatory and anti-inflammatory: Jekyll and Hyde, the story continues. *J Biol Regul Homeost Agents*. 2017 Apr-Jun;31(2):263-267. PMID: 28685525.

20: Toniato E, Frydas I, Robuffo I, Ronconi G, Caraffa Al, Kritas SK, Conti P. Activation and inhibition of adaptive immune response mediated by mast cells. *J Biol Regul Homeost Agents*. 2017 Jul-Sep;31(3):543-548. PMID: 28952282.

21: Marinari S, De Iuliis V, Dadorante V, Colella S, Marino A, Nunziata A, Flati V, Caruso M, Pennelli A, De Benedetto F, Matera S, Capodifoglio S, Martinotti S, Caputi S, Toniato E. Cytokine modulation in patients with idiopathic pulmonary fibrosis undergoing treatment with steroids, immunosuppressants, and IFN- γ 1b. *J Biol Regul Homeost Agents*. 2017 Jan-Mar;31(1):59-69. PMID: 28337871.

22: De Iuliis V, Ursi S, Di Tommaso LM, Caruso M, Marino A, D'Ercole S, Caputi S, Sinjari B, Festa F, Macri M, Martinotti S, Vitullo G, Toniato E. Comparative molecular analysis of bacterial species associated with periodontal disease. *J Biol Regul Homeost Agents*. 2016 Oct-Dec;30(4):1209-1215. PMID: 28078876.

23: Spoto G, De Iuliis V, Petrini M, Flati V, Di Gregorio J, Vitale D, Caruso M, Dadorante V, Ciarmoli M, Robuffo I, Martinotti S, Toniato E. Effect of low energy light irradiation by light emitting diode on U937 cells. *J Biol Regul Homeost Agents*. 2016 Oct-Dec;30(4):997-1007. PMID: 28078845.

24: Ronconi G, Lessiani G, Spinas E, Kritas SK, Caraffa Al, Saggini A, Antinolfi P, Pizzicannella J, Toniato E, Conti P. ENOX2 (or tNOX): a new and old molecule with cancer activity involved in tumor prevention and therapy. *J Biol Regul Homeost Agents*. 2016 Jul-Sep;30(3):649-653. PMID: 27655481.

25: Caraffa Al, Spinas E, Kritas SK, Lessiani G, Ronconi G, Saggini A, Antinolfi P, Pizzicannella J, Toniato E, Theoharides TC, Conti P. Endocrinology of the skin: intradermal neuroimmune network, a new frontier. *J Biol Regul Homeost Agents*. 2016 Apr-Jun;30(2):339-43. PMID: 27358119.

26: De Iuliis V, Gelormini R, Flacco M, Moriello G, Caruso M, Barone E, Golato M, Toniato E, Conti P, Martinotti S. Comparison of Serum Total Valproic Acid Levels and %CDT Values in Chronic Alcohol Addictive Patients in an Italian Clinic: A Retrospective Study. *Drugs Real World Outcomes*. 2016 Mar;3(1):7-12.

doi: 10.1007/s40801-015-0053-2. PMID: 27747801; PMCID: PMC4819473.

27: Toniato E, Spinass E, Saggini A, Kritas SK, Caraffa A, Antinolfi P, Saggini R, Pandolfi F, Conti P. IMMUNOMODULATORY EFFECTS OF VITAMIN D ON SKIN INFLAMMATION. *J Biol Regul Homeost Agents*. 2015 Jul-Sep;29(3):563-7. PMID: 26403394.

28: D'Alimonte I, Flati V, Toniato E, Martinotti S, Rathbone MP, Jiang S, Di Iorio P, Caciagli F, Cicccarelli R. Retraction: Guanosine inhibits CD40 receptor expression and function induced by cytokines and β amyloid in mouse microglia cells. *J Immunol*. 2015 Feb 1;194(3):1381. doi: 10.4049/jimmunol.1490054. PMID: 25596300.

29: Del Boccio M, Pennelli A, Toniato E, Martinotti S, Tenaglia R, Croce A, Pugliese M, Del Boccio G, Gallenga PE, Neri G. Enigmatic question of early reactive arthritis disclosed after researches of mycoplasmas, Chlamydia trachomatis and enteropathogens following the holistic vision of human being. *J Biol Regul Homeost Agents*. 2013 Oct-Dec;27(4):1039-52. PMID: 24382185.

30: Kritas SK, Saggini A, Varvara G, Murmura G, Caraffa A, Antinolfi P, Toniato E, Pantalone A, Neri G, Frydas S, Rosati M, Tei M, Speciali A, Saggini R, Pandolfi F, Cerulli G, Theoharides TC, Conti P. Luteolin inhibits mast cell-mediated allergic inflammation. *J Biol Regul Homeost Agents*. 2013 Oct-Dec;27(4):955-9. PMID: 24382176.

31: Kritas SK, Saggini A, Varvara G, Murmura G, Caraffa A, Antinolfi P, Toniato E, Pantalone A, Neri G, Frydas S, Rosati M, Tei M, Speciali A, Saggini R, Pandolfi F, Cerulli G, Theoharides TC, Conti P. Impact of mast cells on the skin. *Int J Immunopathol Pharmacol*. 2013 Oct-Dec;26(4):855-9. doi: 10.1177/039463201302600403. PMID: 24355220.

32: Kritas SK, Saggini A, Varvara G, Murmura G, Caraffa A, Antinolfi P, Toniato E, Pantalone A, Neri G, Frydas S, Rosati M, Tei M, Speciali A, Saggini R, Pandolfi F, Theoharides TC, Conti P. Mast cell involvement in rheumatoid arthritis. *J Biol Regul Homeost Agents*. 2013 Jul-Sep;27(3):655-60. PMID: 24152834.

33: Frydas S, Varvara G, Murmura G, Saggini A, Caraffa A, Antinolfi P, Tete' S, Tripodi D, Conti F, Cianchetti E, Toniato E, Rosati M, Speranza L, Pantalone A, Saggini R, Di Tommaso LM, Theoharides TC, Conti P, Pandolfi F. Impact of capsaicin on mast cell inflammation. *Int J Immunopathol Pharmacol*. 2013 Jul-Sep;26(3):597-600. doi: 10.1177/039463201302600303. PMID: 24067456.

34: Shaik-Dasthagirisahab YB, Varvara G, Murmura G, Saggini A, Caraffa A, Antinolfi P, Tete' S, Tripodi D, Conti F, Cianchetti E, Toniato E, Rosati M, Speranza L, Pantalone A, Saggini R, Tei M, Speciali A, Conti P, Theoharides TC, Pandolfi F. Role of vitamins D, E and C in immunity and inflammation. *J Biol Regul Homeost Agents*. 2013 Apr-Jun;27(2):291-5. PMID: 23830380.

35: Shaik-Dasthagirisahab YB, Varvara G, Murmura G, Saggini A, Potalivo G, Caraffa A, Antinolfi P, Tete' S, Tripodi D, Conti F, Cianchetti E, Toniato E, Rosati M, Conti P, Speranza L, Pantalone A, Saggini R, Theoharides TC, Pandolfi F. Vascular endothelial growth factor (VEGF), mast cells and inflammation. *Int J Immunopathol Pharmacol*. 2013 Apr-Jun;26(2):327-35. doi: 10.1177/039463201302600206. PMID: 23755748.

36: Conti P, Varvara G, Murmura G, Tete S, Sabatino G, Saggini A, Rosati M, Toniato E, Caraffa A, Antinolfi P, Pandolfi F, Potalivo G, Galzio R, Theoharides TC. Comparison of beneficial actions of non-steroidal anti-inflammatory drugs to flavonoids. *J Biol Regul Homeost Agents*. 2013 Jan-Mar;27(1):1-7. PMID: 23489682.

37: Nicoletti M, Neri G, Maccauro G, Tripodi D, Varvara G, Saggini A, Potalivo G, Castellani ML, Fulcheri M, Rosati M, Toniato E, Caraffa A, Antinolfi P, Cerulli G, Pandolfi F, Galzio R, Conti P, Theoharides TC. Impact of neuropeptide substance P an inflammatory compound on arachidonic acid compound generation. *Int J Immunopathol Pharmacol*. 2012 Oct-Dec;25(4):849-57. doi: 10.1177/039463201202500403. PMID: 23298476.

38: Neri G, Del Boccio M, Pennelli A, Martinotti S, Tenaglia R, Pugliese M, Toniato E, Croce A, Gallenga PE. Jugulodigastric lymph node inflammation derived from chronic atypical oropharyngeal phlogosis recurring annually after flu virus vaccination: a holistic vision of a clinical case solved after chlamydicidal antibiotic therapy. *Int J Immunopathol Pharmacol*. 2012 Oct-Dec;25(4):835-47. doi: 10.1177/039463201202500402. PMID: 23298475.

39: Del Boccio M, Lobefalo L, Pennelli A, Toniato E, Martinotti S, Tenaglia R, Neri G, Del Boccio G, Gallenga PE. Can latent synergism of intestinal pathogens be responsible for inflammaging process causing Reiter's syndrome in a young patient HLA-B27 infected by atypical pathogens? A holistic view and clinical biochemical reinterpretation. *J Biol Regul Homeost Agents*. 2012 Oct-Dec;26(4):741-55. PMID: 23241124.

40: Sabatino G, Nicoletti M, Neri G, Saggini A, Rosati M, Conti F, Cianchetti E, Toniato E, Fulcheri M, Caraffa A, Antinolfi P, Frydas S, Pandolfi F, Potalivo G, Galzio R, Conti P, Theoharides TC. Impact of IL -9 and IL-33 in mast cells. *J Biol Regul Homeost Agents*. 2012 Oct-Dec;26(4):577-86. PMID: 23241108.

41: Trubiani O, Toniato E, Di Iorio D, Diomede F, Merciaro I, D' Arcangelo C, Caputi S. Morphological analysis and interleukin release in human gingival fibroblasts seeded on different denture base acrylic resins. *Int J Immunopathol Pharmacol*. 2012 Jul-Sep;25(3):637-43. doi: 10.1177/039463201202500310. PMID: 23058014.

42: Tetè S, Nicoletti M, Saggini A, Maccauro G, Rosati M, Conti F, Cianchetti E, Tripodi D, Toniato E, Fulcheri M, Salini V, Caraffa A, Antinolfi P, Frydas S, Pandolfi F, Conti P, Potalivo G, Theoharides TC. Nutrition and cancer prevention. *Int J Immunopathol Pharmacol*. 2012 Jul-Sep;25(3):573-81. doi: 10.1177/039463201202500303. PMID: 23058007.

43: Tete S, Saggini A, Maccauro G, Rosati M, Conti F, Cianchetti E, Tripodi D, Toniato E, Fulcheri M, Salini V, Caraffa A, Antinolfi P, Frydas S, Pandolfi F, Conti P, Potalivo G, Nicoletti M, Theoharides TC. Interleukin-9 and mast cells. *J Biol Regul Homeost Agents*. 2012 Jul-Sep;26(3):319-26. PMID: 23034251.

44: Di Bonaventura G, Uriani M, Fabbri A, Flati V, Martinotti S, Pompilio A, Gambi A, Orru R, Robuffo I, Toniato E. A novel biotechnology product for the degradation of biofilm-associated polysaccharides produced by *Streptococcus mutans*. *J Biol Regul Homeost Agents*. 2012 Apr-Jun;26(2 Suppl):1-7. PMID: 23164321.

45: Pompei A, Toniato E, Innocenti P, D Alimonte I, Cellini C, Mattoscio D, Cotellesse R, Bosco D, Ciccarelli R, Dadorante V, D Orazio N, Martinotti S, Robuffo I. Cyanidin reduces preadipocyte differentiation and relative ChREBP expression. *J Biol Regul Homeost Agents*. 2012 Apr-Jun;26(2):253-64. PMID: 22824753.

46: Tete S, Tripodi D, Rosati M, Conti F, Maccauro G, Saggini A, Salini V, Cianchetti E, Caraffa A, Antinolfi P, Toniato E, Castellani ML, Pandolfi F, Frydas S, Conti P, Theoharides TC. Role of mast cells in innate and adaptive immunity. *J Biol Regul Homeost Agents*. 2012 Apr-Jun;26(2):193-201. PMID:

22824746.

47: Tetè S, Tripodi D, Rosati M, Conti F, Maccauro G, Saggini A, Salini V, Cianchetti E, Caraffa A, Antinolfi P, Toniato E, Castellani ML, Pandolfi F, Frydas S, Conti P, Theoharides TC. Endothelial cells, cholesterol, cytokines, and aging. *Int J Immunopathol Pharmacol*. 2012 Apr-Jun;25(2):355-63. doi: 10.1177/039463201202500205. PMID: 22697067.

48: Tete S, Tripodi D, Rosati M, Conti F, Maccauro G, Saggini A, Cianchetti E, Caraffa A, Antinolfi P, Toniato E, Castellani ML, Conti P, Theoharides TC. IL-37 (IL-1F7) the newest anti-inflammatory cytokine which suppresses immune responses and inflammation. *Int J Immunopathol Pharmacol*. 2012 Jan-Mar;25(1):31-8. doi: 10.1177/039463201202500105. PMID: 22507315.

49: Tripodi D, Conti F, Rosati M, Maccauro G, Saggini A, Cianchetti E, Angelucci D, Fulcheri M, Tetè S, Salini V, Caraffa A, Antinolfi P, Toniato E, Castellani ML, Conti P, Theoharides TC. IL-36 a new member of the IL-1 family cytokines. *J Biol Regul Homeost Agents*. 2012 Jan-Mar;26(1):7-14. PMID: 22475093.

50: Conti CM, Fulcheri M, Anogeianaki A, Maccauro G, Tetè S, Salini V, Tripodi D, Toniato E, Caraffa A, Antinolfi P, Galzio R, Neri G, Pandolfi F, Doyle R. Psychological stress and vitamins. *J Biol Regul Homeost Agents*. 2011 Apr-Jun;25(2):163-8. PMID: 21880204.

51: Gallenga PE, Del Boccio M, Rapinese M, Di Iorio A, Toniato E, Martinotti S. Molecular approach by PCR is the best method to detect the presence of Chlamydia trachomatis and to define the true agent of ocular bacterial inflammation. *Int J Immunopathol Pharmacol*. 2011 Apr-Jun;24(2):285-96. doi: 10.1177/039463201102400202. PMID: 21658303.

52: Tripodi D, Maccauro G, Anogeianaki A, Castellani ML, Pandolfi F, Felaco P, Toniato E, De Lutiis MA, Fulcheri M, Tetè S, Galzio R, Salini V, Caraffa A, Antinolfi P, Frydas I, Sabatino G, Shaik-Dasthagirisahab YB. Impact of IL-18 on inflammation. *J Biol Regul Homeost Agents*. 2011 Jan-Mar;25(1):7-11. PMID: 21382268.

53: Theoharides TC, Angelidou A, Alysandratos KD, Zhang B, Asadi S, Francis K, Toniato E, Kalogeromitros D. Mast cell activation and autism. *Biochim Biophys Acta*. 2012 Jan;1822(1):34-41. doi: 10.1016/j.bbadis.2010.12.017. Epub 2010 Dec 28. PMID: 21193035.

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