



Physiological Regulating Medicine

Most important peer-reviewed published articles in the last 10 years

- BASIC RESEARCH -

	BASIC RESEARCH	Study type	Tested Molecules and Drugs (PRM)
2009	<p>Gariboldi S., Palazzo M., Zanobbio L., Dusio G.F., Mauro V., Solimene U., Cardani D. et Al.</p> <p>- Low dose oral administration of cytokines for treatment of allergic asthma.</p> <p>Pulm Pharmacol Ther. 2009; 22(6):497-510.</p>	<i>In vivo</i>	IL-12 IFN- γ
2012	<p>D'Amico L, Ruffini E, Ferracini R, Roato I.</p> <p>- Low dose of IL-12 stimulates T cell response in cultures of PBMCs derived from non-small cell lung cancer patients.</p> <p>J Cancer Ther. 2012; 3:337-42.</p>	<i>Ex vivo</i>	IL-12
2013	<p>Cardani D., Dusio G.F., Luchini P., Sciarabba M., Solimene U., Rumio C.</p> <p>Oral administration of Interleukin-10 and anti-IL1 antibody ameliorates experimental intestinal inflammation.</p> <p>Gastroenterol Res. 2013;6(4):124-33.</p>	<i>In vivo</i>	IL-10 Antibodies-anti IL-1
2014	<p>Radice E., Miranda V., Bellone G.</p> <p>Low-doses of sequential-kinetic-activated interferon-gamma enhance the <i>ex vivo</i> cytotoxicity of peripheral blood natural killer cells from patients with early-stage colorectal cancer. A preliminary study intern.</p> <p>Immunopharmacology. 2014; 19(1):66-73.</p>	<i>Ex vivo</i>	IFN- γ
2015	<p>Barygina V., Becatti M., Lotti T., Moretti S., Taddei N., Fiorillo C.</p> <p>- Treatment with low-dose cytokines reduces oxidative-mediated injury in perilesional keratinocytes from vitiligo skin.</p> <p>J Dermatol Sci. 2015; 79(2):163-70.</p>	<i>In vitro</i>	IL-4 IL-10 b-FGF β -endorphin
2015	<p>Radice E., Bellone G., Miranda V.</p> <p>- Enhancement of the Immunostimulatory functions of <i>ex vivo</i>-generated Dendritic cells from early-stage colon cancer patients by consecutive exposure to low doses of sequential-kineticactivated IL-4 and IL-12. A Preliminary Study.</p> <p>Transl Oncol. 2015; 8(4):327-38.</p>	<i>Ex vivo</i>	IL-4 IL-12
2016	<p>Barygina V., Becatti M., Lotti T., Taddei N., Fiorillo C.</p> <p>- Low dose cytokines reduce oxidative stress in primary lesional fibroblasts obtained from psoriatic patients.</p> <p>J Dermatol Sci. 2016; 83(3):242-4.</p>	<i>In vitro</i>	IL-4 IL-10 b-FGF β -endorphin

BASIC RESEARCH		Study type	Tested Molecules and Drugs (PRM)
2017	Castiglioni S., Miranda V., Cazzaniga A., Campanella M., Nichelatti M., Andena M., Maier J.A.M. – Femtograms of Interferon-γ Suffice to Modulate the Behavior of Jurkat Cells: A New Light in Immunomodulation. Int J Mol Sci. 2017; 18(12):2714–15.	<i>In vitro</i>	IFN- γ
2018	Mancini F., Milardi D., Carfagna P., Grande G., Miranda V., De Cicco N.A., Ricciardi D., Pontecorvi A. <i>et Al.</i> Low-dose SKA progesterone and Interleukin-10 modulate the inflammatory pathway in endometriotic cell lines. Int Immunopharmacol. 2018; 55:223–30.	<i>In vitro</i>	Progesterone IL-10

– CLINICAL TRIALS –

CLINICAL TRIALS		Study type	Tested Molecules and Drugs (PRM)
2014	Roberti M.L., Ricottini L., Capponi A., Sclauzero E., Vicenti P., Fiorentini E., Savoia C. <i>et Al.</i> – Immunomodulating treatment with low dose interleukin-4, Interleukin-10 and Interleukin-11 in psoriasis vulgaris. J Biol Regul Homeost Agents. 2014; 28(1):133–9.	Clinical trial	IL-4 IL-10 IL-11
2014	Luchetti P. Increasing of visual function in patients with retinal atrophy treated with drugs of Low Dose Medicine. Monocentric retrospective observational study. Minerva Oftalmol. 2014; 56(3–4):53–61.	Clinical trial	NT3 NT4 NGF Retina suis Injeel Solanum compositum Ubichinon compositum
2015	Lotti T., Hercogova J., Wollina U., Chokoeva A.A., Zarrab Z., Gianfaldoni S., Roccia M.G. <i>et Al.</i> – Vitiligo: successful combination treatment based on oral low dose cytokines and different topical treatments. J Biol Regul Homeost Agents. 2015;29(1 Suppl):53–8.	Clinical trial	IL-4 IL-10 Antibodies-anti IL-1 b-FGF
2015	Lotti T. – Successful combination treatment for psoriasis with phototherapy and low-dose cytokines: a spontaneous, retrospective observational clinical study. Hautarzt. 2015; 66(11):849–54.	Clinical trial	IL-4 IL-10 Antibodies-anti IL-1 b-FGF
2016	Fiorito F., Cantiello A., Granato G.E., Navas L., Diffidenti C., De Martino L., Maharajan V., Fiorito F. <i>et Al.</i> – Clinical improvement in feline herpesvirus 1 infected cats by oral low dose of interleukin-12 plus interferon-gamma. Comparative Immunology. Microbiol Infect Dis. 2016; 48:41–7.	Clinical trial	IL-12 IFN- γ
2016	Genazzani A.D., Prati A., Bonacini R., Despini G. – Terapia integrativa e farmacologica dell'amenorrea ipotalamica da stress. Boll Ginecol Endocrinol. 2016; 10:24–32.	Clinical trial	Beta-Estradiol
2017	Martin-Martin L.S., Giovannangeli F., Bizzi E., Massafra U., Ballanti E., Cassol M., Migliore A. – An open randomized active-controlled clinical trial with lowdose SKA cytokines versus DMARDs evaluating low disease activity maintenance in patients with rheumatoid arthritis. Drug Des Devel Ther. 2017; 11:985–94.	Clinical trial	Antibodies-anti IL-1 IL-10 IL-4