



# Ageing and Chronic Inflammation Symposium

## Session/ Wednesday April 27th

Chairman: Thomas von Zglinicki. PhD.

		Speakers	Institution	Country	Modality
09:00	09:50	Thomas von Zglinicki. PhD Cell senescence as a driver of chronic inflammation in ageing	Newcastle University	UK	Face to face
10:00	10:40	Laura Niedernhofer. , MD, PhD. The senescent immune system as a key driver of aging	University of Minnesota	USA	Virtual
10.40	11.00	<b>Coffee Break</b>			
11.00	11.40	Prof. Emeritus Claudio Franceschi. MD. The complex Scenario of Aging, Longevity, Diseases and Rejuvenation in humans	University of Bologna	Italy	Virtual
11:40	12:20	Wim Vanden Berghe. PhD. How the past can determine your future: can we reverse the epigenetic clock age to promote healthy aging?	University of Antwerp	Belgium	Virtual
12:20	13:00	Nir Barzilai.MD. Benefits of Metformin in Attenuating the Hallmarks of Aging	Albert Einstein-Institute for Aging Research Albert Einstein College of Medicine	USA	Virtual
13:00	14:30	<b>Lunch</b>			

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		Speakers	Institution	Country	Modality
14:30	15:10	Paul Robbins. PhD .Targeting senescence for healthy aging	University of Minnesota	USA	Virtual
15:10	15:50	Kyung-Hyun Ch, PhD. Anti-aging effect of Cuban policosanol via enhancement of anti-inflammatory effect in high-density lipoproteins	Raydel Research Institute, Medical Innovation Complex LipoLab, Yeungnam University	Korea	Face to face
15:50	16:20	Luigi Fontana. MD, PhD. Molecular mechanisms of dietary restriction promoting health and longevity	University of Sydney	Australia	Virtual
16.20	18.00	<b>Poster session</b>			
1.1		Dasha Fuentes, PhD. Murine mammary carcinoma induces systemic chronic inflammation and immunosuppression	National Center for Laboratory Animal Breeding	Cuba	

1.2	Rafael Ibarra. Clinical evolution, survival and health related quality of life in patients treated with Heberprot-P. Sancti Spiritus, 2012-2021	Center for Genetic Engineering and Biotechnology. Sancti Spiritus	Cuba	
1.3	Yudisleidy Esmoris Mena. Adverse drug reactions and adverse pharmacological antigens reactions: relationship with Immunotoxicology.	National Center of Toxicology	Cuba	
1.4	Yaima Zuñiga. Frequencies of single nucleotide polymorphisms in immune response/inflammation genes in the Cuban population	National Center of Medical Genetics	Cuba	
1.5	Maylen Arencibia. Immunotherapeutic effect of Itolizumab in patients with moderate-severe active psoriasis	Center of Molecular Immunology	Cuba	
1.6	Yunier Rodríguez Álvarez. Dimerization and D-aminoacids substitutions increase the inhibitory effect of CIGB-55, an IL-15 antagonist peptide	Center for Genetic Engineering and Biotechnology	Cuba	

## Session/Thursday April 28th

Chairman: Agustín Lage Dávila. MD, PhD

		<b>Speakers</b>	<b>Institution</b>	<b>Country</b>	<b>Modality</b>
09:00	09:50	Agustín Lage Dávila, MD.PhD. From cancer immunology to autoimmunity, to inflammation, to senescence: the Trajectory of CIM	Center of Molecular Immunology	Cuba	Face to face
10:00	10:40	Daniela Frasca. PhD. Obesity accelerates age-associated human B cell defects: role of the adipose tissue	University of Miami Miller School of Medicine	USA	Virtual
10:40	11:00	<b>Coffee Break</b>			
11:00	11:40	Danay Saavedra. MD. PhD. Immunosenescence, sex differences and immune restoration: insights from Cuban studies	Center of Molecular Immunology	Cuba	Face to face
11:40	12:10	Howard A. Young, PhD. Interferon-gamma: When a good cytokine goes bad	Laboratory of Cancer Immunometabolism, Center for Cancer Research National Cancer Institute	USA	Virtual
<b>Oral short presentations</b>					
12:10	12:25	Rydell Alvarez. MSc. VSP-activated macrophages mediate senescence and tumor inhibition in a preclinical model of advanced prostate cancer	Center of Molecular Immunology	Cuba	Face to face
12:25	12:40	George V. Pérez. Targeting of protein kinase CK2 in Acute Myeloid leukemia cells using the Clinical-Grade synthetic-peptide CIGB-300	Center for Genetic Engineering and Biotechnology	Cuba	Face to face
12:40	12:55	Julio César Fernández Travieso. Abexol: anti-inflammatory of natural origin for the management of symptoms in patients with osteoarthritis	National Centre for Scientific Research	Cuba	Face to face
12:55	13:10	Yosdel Soto, PhD. Antiatherogenicity of anti-chondroitin sulfate antibodies induced by the immunization with an anti-glycosaminoglycans idiotype antibody	Center of Molecular Immunology	Cuba	Face to face
13:10	13:25	Kuzekova A.A. Geroprotective activity of mutant forms of peroxyredoxin 6	Institute of Cell Biophysics, PSCBR RAS, Pushchino, Federal State Budgetary Educational Institution of Higher Education Pushchino State Institute of Natural Science, Pushchino	Russia	Virtual
13:25	14:30	<b>Lunch</b>			
14:30	17:00	<b>Poster session</b>			
2.1		Yosdel Soto, PhD. Antiatherogenicity of anti-chondroitin sulfate antibodies induced by the immunization with an anti-glycosaminoglycans idiotype antibody	Center of Molecular Immunology	Cuba	
2.2		Roger Sarduy. Dose-dependent induction of an anti-glycosaminoglycans antibody response and atheroprotection by the anti-proteoglycan monoclonal antibody chp3r99-LALA	Center of Molecular Immunology	Cuba	

2.3	Julio César Fernández Travieso. Abexol: anti-inflammatory of natural origin for the management of symptoms in patients with osteoarthritis	National Centre for Scientific Research	Cuba	
2.4	Ambar Oyarzábal. Lipid extract of <i>Roystonea regia</i> with efficacy on benign prostatic hyperplasia	National Centre for Scientific Research	Cuba	
2.5	George V. Pérez. Targeting of protein kinase CK2 in Acute Myeloid leukemia cells using the Clinical-Grade synthetic-peptide CIGB-300	Center for Genetic Engineering and Biotechnology	Cuba	
2.6	Rydell Alvarez. VSSP-activated macrophages mediate senescence and tumor inhibition in a preclinical model of advanced prostate cancer.	Center of Molecular Immunology	Cuba	
2.7	Nely Rodríguez Zhurbenko, PhD. Aging of human B-1 cells: implications for cancer immunosurveillance	Center of Molecular Immunology	Cuba	

## Session/ Friday 29th

**Chairman: Prof Emeritus Calogero Caruso**

		<b>Speakers</b>	<b>Institution</b>	<b>Country</b>	<b>Modality</b>
09:00	09:50	Prof Emeritus Calogero Caruso. MD. Immunity, Ageing and Longevity	University of Palermo	Italy	Virtual
10:00	10:40	Prof Graham Pawelec .PhD. Implications of Immunosenescence for Immunization of Older Adults	University of Tübingen	Germany	Virtual
10:40	11:00	<b>Coffee Break</b>			
<b>Oral short presentations</b>					
11:00	11:15	Ana Laura Añé-Kourí.MD. Association among terminally differentiated T cells, frailty and dependency in a group of Cuban centenarians	Center of Molecular Immunology	Cuba	Face to face
11:15	11:30	Gisela María Suarez. MD. Thymic Polypeptide Fraction Biomodulina T Decreases Exhausted and Terminally Differentiated EMRA T Cells in Advanced Lung Cancer Patients Treated With Platinum-Based Chemotherapy	Center of Molecular Immunology	Cuba	Face to face
11:30	11:45	Imilla Casado. BIOMODULINA T® modulates lymphocyte compartments in institutionalized Cuban geriatric patients	Institute of Hematology and Immunology Dr. José Manuel Ballester Santovenia	Cuba	Face to face
11:45	13:00	Agustin Lage. MD.PhD / Danay Saavedra. MD.PhD	Center of Molecular Immunology	Cuba	Face to face
13.00	14.30	<b>Lunch</b>			
14.30	15.30	<b>Poster session</b>			
3.1		Ana Laura Añé-Kourí, Nuris Ledon. Association among terminally differentiated T cells, frailty and dependency in a group of Cuban centenarians	Center of Molecular Immunology	Cuba	
3.2		Nuris Ledon, Ana Laura Añé-Kourí. Immunosenescence and inflammatory markers in Cuban centenarians: implications for survival	Center of Molecular Immunology	Cuba	
3.3		Gisela María Suarez. Thymic Polypeptide Fraction Biomodulina T Decreases Exhausted and Terminally Differentiated EMRA T Cells in Advanced Lung Cancer Patients Treated With Platinum-Based Chemotherapy	Center of Molecular Immunology	Cuba	
3.4		Elizabeth Hernández Ramos. Effect of Biomodulina-T® and VA-MENGOC-BC® on lymphocyte subpopulations in older adults	Institute of Hematology and Immunology Dr. José Manuel Ballester Santovenia”	Cuba	
3.5		Yenisey Triana Marrero. Immunophenotypic characterization of double positive T lymphocytes in Cuban older adults	Institute of Hematology and Immunology Dr. José Manuel Ballester Santovenia”	Cuba	
3.6		Imilla Casado. BIOMODULINA T® modulates lymphocyte compartments in institutionalized Cuban geriatric patients	Institute of Hematology and Immunology Dr. José Manuel Ballester Santovenia”	Cuba	