

Taller: Shaping of the immune system: Nurture or Nature?

Place: Instituto de Ciencias Básicas y Preclínicas (ICBP) "Victoria de Girón"

Date: July 16-20, 2018.

Organizers: Belgian and Cuban Societies for Immunology, ICBP "Victoria de Girón", and Biomedical Research Institute (BIOMED, UHasselt)

Sponsorship: Universidad de Ciencias Médicas de la Habana; Center for Genetic Engineering and Biotechnology (CIGB); CNSC de la Salud, MINSAP, Asociación Latinoamericana de Inmunología (ALAI) and Faculty of Medicine & Life Sciences and Hasselt University, Belgium; and

Objectives:

1. To update over the binomial Nature vs. Nurture. Genetic make-up ('Nature') by itself plays a role in the functioning of the normal and pathogenic immune system, but environment ('Nurture') shapes the immune system becoming at least as important as Nature;
2. To update the impact of viruses as 'Nurture' component over the human immune system in health and diseases;
3. To update the functioning and dysfunctioning of the inflammasome as 'Nature' component over human immunodeficiencies;
4. To update the effect of lipid metabolism as 'Nature' component over innate immune system in health & disease;
5. To update the effect of aging as 'Nature' component over the immune system;
6. To update the Immunobiotechnology in Cuba;
7. To update the nanotechnology in Cuba and
8. To present selected posters from different Cuban institutions.

Each lecture has 50 min followed of 10 min discussion. During Lunch time the poster can be seen. Selected poster will be presented in 8 min followed of 2 min of discussion. Grant writing sections will be preceded by an explanation that includes: the organization in groups oriented by one professor; giving two oriented materials; clarification of some of the financial agencies, foundations, etc.; how to find and update these opportunities; and the main actions after the grants were writing. All Grant will be presented to the auditorium in 10 min each followed of 5 min of questions.

Hour	Preliminary Program	
	Day 1, Monday 16	
09:00–09:30	Inauguration	M Lago, N Hellings, O Pérez
09:30-10:20	La Immunobiotechnology in Cuba	Agustín Lage
10:30-11:20	Shaping human immune variation	Niels Hellings
11:30-12:20	The expanding field of innate immune-mediated disease and autoinflammation	Jeroen Vanderhilst
12:30-14:00	Lunch and posters viewing	
14:00-15:00	Short oral poster presentation 1	Selected
15:00-17:00	Grant Writing Section 1	All
19-	Professor welcome dinner	
	Day 2, Tuesday	
09:00–09:50	Nanotechnology applied to human health in Cuba	Pending
10:00-10:50	The role of interleukin-1 in health and disease	Jeroen Vanderhilst
11:00-11:50	Lipids in control of innate immunity in health and disease	Jeroen Bogie
12:00	Awards of Professor and National Immunology Price	
12:10-13:30	Lunch and posters viewing	
13:30-15:00	Short oral poster presentation 2	Selected
15:00-17:00	Grant Writing Section 2	All
16:00-	Visit to CIM	Professor
	Day 3, Wednesday	
09:00–09:50	The Immunology in Pre- and Pos-graduated Cuba	Oliver Pérez
10:00-10:50	Is there a link between nutrition and autoimmunity?	Jeroen Bogie
11:00-11:50	Aging of the immune system and autoimmune disease	Piet Stinissen
12:00-13:30	Lunch and posters viewing	
13:30-17:00	Grant Presentations	Groups
17:00-18:00	Student exchange and research collaboration	
Night	Free	
	Day 4, Thursday	
09:00–09:50	Viral triggers for autoimmunity	Niels Hellings
10:00-10:50	Tumor vaccination: roads to the clinic	Piet Stinissen
11:00-13:00	Student exchange and research collaboration	All
13:30-	Lunch	
14:00-	Travel of professors to Varadero	
	Day 6, Saturday	
	Retour to Belgium	

Poster: Each participant may submit one abstract. The best ones will be selected for short oral presentation.