FOCIS - BD LATAM Advanced Course in Basic and Translational Immunology
Organized in collaboration with Becton Dickinson LATAM

FOCIS-SAI-ALACI Advanced Course: FOCIS GOES SOUTH III/Jornadas de Invierno SAI

Sponsored by BD

Dates: 6-10 May 2024 (Monday-Friday)

Location: La Plata, Argentina.

Venue: Auditorium Karakachoff (University of La Plata) and School of Sciences (University of La Plata).

Format: Live & in-person

Program Committee

Dr. Guillermo Docena, FCE Director, University of La Plata, Argentina, Chair
Dr. Alexis Kalergis, FCE Director, IMII-P. Universidad Católica De Chile, FOCIS Center of Excellence, Santiago Chile, Chair
Dr. Martín Rumbo, President of the Argentinean Society of Immunology (SAI).

Program

Day One (Monday 6th)	
Theme: Innate Immune Responses	
Chairs: Guillermo Docena, FCE Director, University of La Plata, Argentina and Alexis Kalergis, FCE Director Universidad Católica de Chile, FOCIS Center of Excellence	
Time	
8.30-9:00 am	**Reception and Registration**
8:45-8:50 am	**Welcome, Description of FOCIS and FOCIS Centers of Excellence** – Alexis Kalergis, Universidad Católica de Chile, FOCIS Center of Excellence
8:50-8:55 am	**Welcome** – **FOCIS-BD LATAM** Immunology Course**–** Guillermo Docena, FCE Director, University of La Plata, Argentina
8:55-9:00 am	**Welcome – BD LATAM –** Yvonne Madelon-Bernarda Ganem-Robert Balderas, BD Biosciences
9.00-10:00 am	**Overview of the Immune System** – Abul Abbas (UCSF FOCIS Center of Excellence, USA)
10:00-10:30 am	**Coffee Break**
10:30-11:30 am	**Innate Immunity** – Abul Abbas (UCSF FOCIS Center of Excellence, USA)
11:30 am-12:30 pm	**Dendritic cells and antigen presentation** – Abul Abbas (UCSF FOCIS Center of Excellence, USA)
12:30-2.30 pm	**Lunch**
2:30-3:00 pm	**FOCIS 1 Marcelo Hill (FCE Uruguay) /** *TMEM176B as an intrinsic checkpoint of Th17 polarity in cancer immunotherapy.*
3:00-3:30 pm	**FOCIS 2 Flavio Salazar /** *Whole tumor cell-based vaccines: Tuning the instruments to orchestrate an optimal antitumor immune response*
3:30-4:00 pm	**FOCIS 3 *Jorge Kalil* (FCE Brazil) /** *Development of a Intranasal vaccine against SARS-CoV-2*
4:00-4:30 pm	**Discussion**
4:30-5:00 pm	**Coffee Break**
5:00-5:30 pm	**FOCIS 4 Leandro Carreño (FCE Chile) /** *Immunoregulatory applications of the modulation of Natural Killer T cells*
5:30-6:00 pm	**FOCIS 5 Susan Bueno (FCE Chile) /** *Role of antiinflamatory immune responses in the control of disease caused by microbial pathogens.*
6:00-6:30 pm	**FOCIS 6 Karina Mariño (FCE Argentina) /** *The long and winding road: current advances in translational glycoimmunology:*
6:30-7:00 pm	**Discussion**
Day Two (Tuesday 7th)	
Theme: Adaptive Immune Responses and Immunopathology I	
Chair: Guillermo Docena and Alexis Kalergis	
Time (talk+discussion)	
8:30-9:30 am	**Activation and Regulation of T Cells –** Abul Abbas (UCSF FOCIS Center of Excellence, USA)

FOCIS - BD LATAM Advanced Course in Basic and Translational Immunology
Organized in collaboration with Becton Dickinson LATAM

9:30-10:30 am	**Plenary Lecture: T Cell Tolerance** - Abul Abbas (UCSF FOCIS Center of Excellence, USA)
10:30-11:00 am	**Coffee Break**
11:00-12:00 am	**Antibodies and vaccines** – Abul Abbas (UCSF FOCIS Center of Excellence, USA)
12:00 am-1:00 pm	**Cancer immunotherapy –** Abul Abbas (UCSF FOCIS Center of Excellence, USA)
1:00-2:30 pm	**Lunch**
2:30-3:00 pm	**FOCIS 7 Monica Guzman (FCE USA)** /*Chimeric Antigen receptor (CAR) T cells: an engineered living drug*
3:00-3:30 pm	**FOCIS 8 Rubén Motrich (FCE Argentina)** / *Chronic inflammation of the male genital tract impairs fertility by decreasing sperm quality as well as altering female genital tract immunoregulation.*
3:30-4:00 pm	***FOCIS 9*** **Martín Rumbo (FCE Argentina) /** *Immunosuppression and immunomodulation in abdominal organ transplantation*
4:00-4:30 pm	**Discussion**
4:30-5:00 pm	**Coffee Break**
5:00-5:30 pm	**FOCIS 10 Alberto Martin (FCE Canada)** */ Dietary deficiency in soluble fiber and host genetics dictate the oncogenic potential of E. coli in colon carcinogenesis.*
5:30-6:00 pm	**FOCIS 11 Pablo González (FCE Chile)/** *Tweaking dendritic cell-herpes simplex virus interactions to improve herpetic skin disease outcome*
6:00-6:30 pm	**FOCIS 12 Alejandro Chabalgoity (FCE Uruguay) /** *Vaccines for human & veterinary health - From academic research to technology transfer to the biotech industry*
6:30-7:00 pm	**Discussion**
Day Three (Wednesday 8th)	
Argentinean Society of Immunology	
Chair: Martin Rumbo and Ana Rosa Perez Sociedad Argentina de Inmunologia (SAI)	
Time	
8:30-9:00 am	
9:00-9.15 am	**Welcome – Sociedad Argentina de Inmunología–** Martin Rumbo President SAI, University of La Plata, Argentina
9:15-9.45 am	**Susana Salva (CERELA, Tucumán) /** *Inmunosupresión por quimioterapia. Bacterias lácticas en la recuperación inmuno-mielopoyética e impacto en cáncer de mama.*
9:45:10.15 am	**Andres Sanchez Alberti (IDEHU, CABA) /** *Desarrollo de vacunas basadas en ácidos nucleicos autoamplificantes contra Trypanosoma cruzi.*
10:30-11.00 am	**Coffee Break**
11:00-11:30 am	**Yanina Hiriart (INMUNOVA – IIFP, Bs As-La Plata) /** *Hacia el primer tratamiento para SUH. Estudios clínicos de seguridad y farmacocinética de fragmentos F(ab')2 neutralizantes de la toxina Shiga*
11:30-12:00 am	**Nicolas Nuñez (CIBICI, Córdoba) /** *Uso de técnicas multidimensionales para estudio de la respuesta inmune*
12:00 – 2:00 pm	**Lunch**
2:00-2.45 pm	**Eduardo Schiffrin A2B IO Lausanne Switzerland /** *Nueva terapia para enfermedades inflamatorias bloqueando el eje IL-18. De la prueba de concepto a la aprobación regulatoria***.**
2:45-3.30 pm	POSTERS
3:30-4:00 pm	**Coffee Break**
4:00-4:30 pm	**Natalia Santucci (IDICER, Rosario) /** *Receptores Nucleares y su potencial inmunomodulador en enfermedades infecciosas crónicas.*
4:30-5.00 pm	**Mercedes Borge (IMEX, CABA) /** *En búsqueda de estrategias para modular las interacciones entre el clon leucémico y el microambiente tumoral en Leucemia Linfocítica Crónica (LLC) de células B.*
5:00 - 5:30 pm	**Agustina Errea - (IIFP, La Plata) /** *Modulación de la inflamación del tracto gastrointestinal por microorganismos y sus productos de fermentación.*
5:30 - 6:00 pm	**Mauricio De Marzi (INEDES, Lujan) /** *Nanopartículas y sus potenciales usos terapéuticos.*
6:00 - 6.15 pm	**Closing Remarks** - Ana Rosa Perez, Vice President SAI, University of Rosario, Argentina
Day Four (Thursday 9th)	
Theme: BD Flow Cytometry Course	

FOCIS - BD LATAM Advanced Course in Basic and Translational Immunology
Organized in collaboration with Becton Dickinson LATAM

Time	
9:00-10:00 am	**Paz Reyes (Field Applications Specialist, BD)** / *Spectral and conventional Flow Cytometry: bases and fundamentals*
10:00-10:30 am	**Ma. Bernarda Ganem (Scientific Affairs Specialist, BD)** / *High Performance Cell Sorting: yesterday and today*
10:30-11:00 am	**Coffee Break**
11:00-12:00 am	**Ma. Bernarda Ganem (Scientific Affairs Specialist, BD)** / *BD FACSDiscover S8: Real time Imaging Spectral Flow Sorting*
12:00 am-2:00 pm	**Lunch**
2:00-3:00 pm	**Bob Balderas (VP BDBsiosciences, USA)** / *Defining deep biology with high-dimensional platform technologies*
3:00-3:30 pm	**Coffee Break**
4:00-4:30 pm	**Paz Reyes (Field Applications Specialist, BD)** / *Data analysis: squeezing BD Flowjo™*
4:00-5:00 pm	**Bob Balderas (VP BDBsiosciences, USA)** /*The power choice: improving resolution and unveiling biology with spectral flow cytometry*
5:00-5:30 pm	**Closing Remarks – Drs. Docena and Kalergis**
Day Five (Friday 10th)	
Theme: BD Flow Cytometry Course	
Satellite activity	
This activity requires additional application: *Limited places. Requirements for assistants: intermediate to advance background in flow cytometry and BD flowjo™* **Sign in here for applications:** ***https://forms.office.com/r/LDdm3dLnaj***	
Chair: Bob Balderas, Ma. Bernarda Ganem, Paz Reyes.	
Time	
9:00-12:00 am	**BD Panel Design Workshop** High parameter Flow cytometry opens new gates to biology understanding and brings new challenges for scientists all around the globe. Reveal the critical points for an optimal panel design, which allows you to obtain the best information from the biology behind it.