

A - WISH

DECEMBER 15th - 16 th, 2022

ALICANTE - **W**INTER **I**MMUNOLOGY
SYMPOSIUM IN **H**EALTH





INDEX

WELCOME LETTER	3
COMMITTEES	4
PROGRAMME AT A GLANCE	5
PROGRAMME	6
ABSTRACTS	10
GENERAL INFORMATION	12
SPONSORS	16



WELCOME LETTER



Dear Colleagues,

On behalf of the Spanish Society of Immunology (**SEI**) and the University of Alicante (**UA**), the International Trained Immunity (**INTRIM**) consortium, and the Marie Skłodowska-Curie Innovative Training Network **INsTRuCT**, we welcome you to the second international **Alicante-Winter Immunology Symposium in Health (A-WISH)**, which is taking place on December 15th-16th 2022 in the city of Alicante, Spain.

This symposium will bring together a group of nationally and internationally recognized scientists to present and discuss their recent results along with the most relevant topics of current immunology. The main objective of this symposium is to promote the development and advancement of immunology through innovative diagnostic and therapeutic approaches to treat immune-based diseases. To achieve these goals, the symposium addresses the critical role of the **Innate Immune System**, with special interest in **Epigenetics, Metabolism and Memory**.

In the context of this symposium, we want to give social recognition to the work of research, diagnosis and treatment of pathologies of the immune system through the **BOULLE-SEI Awards**. These awards refer to the **Royal Philanthropic Vaccine Expedition** led by the surgeon from Alicante, Francisco Javier de Balmis between 1803 and 1806 and are intended to recognize the team behind the work, rather than the individual. Francisco Javier de Balmis could not have completed the expedition without Isabel Zendal and it is precisely for this reason that the selection of candidate teams for the BOULLE-SEI Awards has recognized the talent of women scientists, highlighting their leadership in scientific research groups.

On behalf of the Executive, Organizing and Scientific Committees we hope you enjoy your stay in Alicante, and I would like to take this opportunity to thank all the participants for your support and efforts to make this second A-WISH a great scientific event and an unforgettable experience.

Jordi Cano Ochando
President A-WISH 2022



COMMITTEES

EXECUTIVE COMMITTEE

PRESIDENT:

Jordi Cano Ochando

HONORARY PRESIDENT:

Amparo Navarro Faure

VICE PRESIDENT:

Marcos López Hoyos

SECRETARY:

Carmen Cámara Hijón

TREASURER:

José Miguel Sempere Ortells

ORGANIZING COMMITTEE

Mihai Netea

Paloma Riquelme

Juan Mora

Ana Belén López

Estanislao Nistal

SCIENTIFIC COMMITTEE

Francisco Boix

Yvelise Barrios

Manuel Hernández

Carmen Martín

Oscar de la Calle

Pascual Martínez

Sandra Pascual

PROGRAMME AT A GLANCE



Thursday, 15th of December 2022

10:00	Meeting registration opens
10:30 - 12:30	Pre-meeting symposium: Oral presentations
13:00 - 14:00	Lunch break
14:00 - 16:00	Poster presentation
17:00 - 17:30	Symposium welcome
17:30 - 20:00	Session 1. Overview of Trained Immunity

Friday, 16th of December 2022

09:00 - 11:30	Session 2. Trained Immunity and Vaccines
11:30 - 12:00	Coffee break
12:00 - 14:30	Session 3. Development and Regulation of Innate Immune Cells
14:30 - 15:30	Lunch break
15:30 - 17:30	Session 4. Targeting and visualizing the Innate Immune System
17:30 - 18:00	Coffee break
18:00 - 19:00	Closing session. innate immunity and health
19:00 - 20:00	Award ceremony

PROGRAMME



Thursday, 15th of December 2022

10:00

MEETING REGISTRATION OPENS

10:00-12:30

PRE-MEETING SYMPOSIUM: INSTRUCT PREDOCTORAL PRESENTATIONS

Moderator: *James Hutchinson*

O-01. IL-10 ENGINEERED DC MODULATE B CELL RESPONSES IN VITRO.

Morali, Konstantina¹; Steuten, Juulke²; Ten Brinke, Anja³; Van Ham, Marieke³; Gregori, Silvia⁴.

¹San Raffaele Telethon Institute for Gene Therapy (SR-Tiget), Milan; ²Department of Immunopathology, Sanquin Research and Landsteiner Laboratory, Amsterdam University Medical Centers, Amsterdam; ³Department of Immunopathology, Sanquin Research and Landsteiner Laboratory, Amsterdam University Medical Centers, Amsterdam; ⁴San Raffaele Telethon Institute for Gene Therapy (SR-Tiget), Milan, Italy.

O-02. EFFECTS OF SMALL MOLECULE MODULATORS OF MITOCHONDRIAL RESPIRATORY COMPLEX III ON CYTOKINE PRODUCTION IN MACROPHAGES.

Zotta, Alessia¹; Palsson Mcdermott, Eva M.¹; Day, Emily A.¹; Escher Toller, Juliana¹; Ryan, Dylan G.²; Miljkovic, Jan²; Murphy, Michael P.²; Watson, Mark A.³; Brand, Martin D.³; O' Neill, Luke A.j.¹.

¹Trinity College Dublin, Dublin; ²University of Cambridge, Cambridge; ³The Buck Institute for Research on Aging, Novato.

O-03. MS INFLAMMATION ALTERS THE EPIGENETIC PROFILE OF PERIPHERAL CD14⁺ CELLS AFFECTING THE GENERATION OF AN OPTIMAL VITD3-TOLD CS THERAPY.

Fondelli, Federico¹; Mansilla, Maria José¹; Godoy Tena, Gerard²; Presas Rodriguez, Silvia³; Ramo Tello, Cristina³; Ballestar, Esteban²; Martinez Caceres, Eva³.

¹Institut German Trias i Pujol, Badalona; ²Institut Josep Carreras, Badalona; ³Hospital German Trias i Pujol, Badalona.

O-04. TARGETING MREG-T CELL INTERACTIONS IN TRANSPLANTATION

Cordero, Laura¹; Timosenko, Elina²; Mallorqui-Fernández, Noemi²; Rust, Steven²; Hutchinson, James¹; Riquelme, Paloma¹.

¹University Hospital Regensburg, Regensburg; ²AstraZeneca, Cambridge Biomedical Campus.

O-05. DEVELOPMENT OF AN IN-VITRO TRAINED IMMUNITY PROTOCOL IN MICE.

González Pérez, María; Conde, Patricia; Cano Ochando, Jordi.

Instituto de Salud Carlos III, Madrid (CNM).

O-06. EPIGENETIC REPROGRAMMING UNDERLIES IMMUNOGENIC SWITCH IN MACROPHAGES DURING ACTIVATION IN HYPOXIA

De La Calle-Fabregat, Carlos; Calafell-Segura, Josep; Ciudad, Laura; Rodríguez-Ubreva, Javier; Ballester, Esteban.

Epigenetics and Immune Disease Group, Josep Carreras Research Institute (IJC), Badalona.

PROGRAMME



13:00-14:30

LUNCH BREAK

13:00-14:00

POSTER PRESENTATIONS

Moderadores: *Sandra Pascual y Pascual Martínez*

17:00 – 17:30

SYMPOSIUM WELCOME

- *Amparo Navarro Faure*: Dean of the University of Alicante (UA)
- *Cristian Belda Iniesta*: Director of the Spanish Institutes of Health Carlos III (ISCIII)
- *Jordi Cano Ochando*: President of the Symposium (A-WISH)

17:30-19:30

SESSION 1. OVERVIEW OF TRAINED IMMUNITY

Moderator: *Paloma Riquelme*

Adventures in Immunometabolism Research.

Keynote Speaker: *Luke O'Neill*. Trinity College Dublin, Ireland

Trained immunity in lymphoid cells.

Shabaana Khader. Washington University in St.Louis, USA

A brief history of lncRNAs and Innate Immune Memory.

Musa Mhlana. Radboud University Medical Center, The Netherlands

Trained immunity in atherosclerosis.

Siroon Bekkering. Radboud University Medical Center, the Netherlands

Central trained immunity and the role of bone marrow.

Triantafyllos Chavakis. Technische Universität Dresden, Germany

PROGRAMME

Friday, 16th of December 2022

09:00-11:30

SESSION 2. TRAINED IMMUNITY AND VACCINES

Moderator: África Gonzalez

Systems vaccinology and innate immune memory.

Bali Pulendran. Stanford University, USA.

Heterologous effects of vaccines on health.

Christine Stabell-Benn. University of Southern Denmark, Denmark.

MV130 as a trained immunity-based vaccine: mechanism of action and clinical impact.

Carlos del Fresno. Hospital La Paz Institute for Health Research, Spain.

MTBVAC entry into TB efficacy trials and exploration of non-specific effects compared to BCG.

Carlos Martín. University of Zaragoza, Spain.

Protection of adapted vaccines to omicron: more certainties than doubts.

Eva Polverino. University Hospital Vall d'Hebron, Spain.

12:00-14:30

SESSION 3. DEVELOPMENT AND REGULATION OF INNATE IMMUNE CELLS

Moderator: Carmen Cámara

Myeloid cell mediated linkage between local inflammation and tissue homeostasis.

Dietmar Zaiss. University of Regensburg, Germany.

Post-COVID19 trained immunity.

Steven Josefowicz. Cornell University, USA.

Genetic and epigenetic characterization of tolerogenic DC-10.

Silvia Gregori. San Raffaele Scientific Institute, Italy.

Calcineurin/NFAT Signalling Regulates β -glucan Induced Trained Immunity.

David Sancho. Spanish National Cardiovascular Research Center (CNIC), Madrid, Spain.

Development of Myeloid cells.

Florent Ginhoux. Gustave Roussy Hospital, Villejuif, France.

PROGRAMME



14:30 -15:30

LUNCH BREAK

15:30-17:30

SESSION 4. TARGETING AND VISUALIZING THE INNATE IMMUNE SYSTEM

Moderator: *Maria González*

Targeting innate immunity to treat disease.

Willem Mulder. Eindhoven University of Technology, the Netherlands

In vivo imaging of the immune system for health and disease assessment.

Zahi Fayad. Icahn School of Medicine at Mount Sinai, New York, USA

Trained immunity in mycobacterial infections.

Maziar Divangahi. McGill University, Canada

Trained immunity: a memory for innate host defense.

Mihai Netea. Radboud University Medical Center, the Netherlands

17:30 -18:00

COFFEE BREAK

18:00-19:00

CLOSING SESSION. INNATE IMMUNITY AND HEALTH

Innate immunity in health and disease

Akiko Iwasaki. Yale School of Medicine and Howard Hughes Medical Institute, USA.

Discovery of toll-like receptors

Ruslan Medzhitov. Yale School of Medicine and Howard Hughes Medical Institute, USA.

19:00-20:00

AWARD CEREMONY

ABSTRACTS

ABSTRACT SUBMISSION LINK

ABSTRACT SUBMISSION PROCESS

- Abstracts must be submitted through the online submission form published on the Symposium website by **Monday 7th November 2022**. Abstracts sent by post, fax or email or submitted after the submission deadline will not be considered.
- The submitting author must be either a pre-doctoral student or a clinical resident. All the notifications related to the abstract submission will be sent to the email address included during the submission (contact person email).
- If you have successfully submitted your abstract, you will receive a confirmation number and an acknowledgement of receipt by email. If no receipt/number is received, the abstract cannot be considered as successfully submitted. Please contact the scientific secretariat if you have not received the acknowledgement of receipt by email after the submission.
- All authors will be notified whether their abstract is accepted for oral/poster presentation or not by email from **Thursday 10th November 2022**. Please contact the scientific secretariat if you do not receive the decision for your submitted abstract on **Monday 14th November 2022**.
- Abstract submission deadline: **Monday 7th November 2022**.
- Authors will be able to modify their submissions until the submission deadline using the online submission form, which will be open until that date to access to the previously submitted abstracts using the contact person email and the password received after the submission, in the acknowledgement of receipt.
- If your abstract is finally accepted, the author stated as presenting author will need to register by **Friday 2nd December 2022** to confirm participation in the Symposium to include the corresponding presentation in the Programme.
- A free registration option will be available to abstract presenters with accepted abstracts. Please, be aware that free registration fees will be waived to the first 30 successfully submitted and accepted abstracts from pre-doctors and clinical interns that are current SEI members.
- Registration fees (150 €) are waived for all authors and presenters of accepted abstracts that present their work at the symposium on **Thursday 15th December 2022**.



ABSTRACTS

GUIDELINES

- Abstracts need to be original, which means, not published before and not accepted to be presented in another meeting elsewhere.
- Abstracts must be submitted in English.
- The abstract number of words is limited strictly to **300 words maximum**, excluding the title, the authors and the affiliations, which need to be included in the corresponding text fields (not in the abstract text field).
- Acknowledgements or references are not allowed.
- Tables can be included in the abstract text. Please notice that each word or number included in the table will be count as one word.
- One figure or graphic may be included if it is uploaded as a separate file through the submission form (upload file). Please, do not paste any image file in the abstract text, since we cannot guarantee the reception of the file if you proceed this way.
- Authors need to choose their presentation preference (Oral Presentation or Poster). In any case, the scientific committee will determine the final decision about the type of presentation after the reviewing process.
- Abstract submission deadline: Monday 7th November 2022

TOPICS

Innate immunity: epigenetics, metabolism and memory

OTHER INFORMATION

All abstracts accepted for presentation (oral or poster) will be published within the official publication of the meeting, available at the A-WISH 2022 website.

For any other question or information, please contact the scientific secretariat of the Symposium at:
abs-awish2022@pacifico-meetings.com

GENERAL INFORMATION

CONGRESS VENUE

Auditorio de la Diputación de Alicante (ADDA)
Paseo Campoamor, 4
03010 Alicante
<http://www.diputacionalicante.es/es/ADDA>

TECHNICAL SECRETARIAT

GRUPO PACIFICO
The power of meeting

Avda. Cesar Augusto 3. 50.004 Zaragoza
Tel. + 34 976 43 58 57 | Fax +34 976 28 07 40
awish2022@pacifico-meetings.com

REGISTRATION

ONLINE REGISTRATION FORM

REGISTRATION FEES	
Students/Clinical Interns SEI members (presenters of submitted and accepted abstracts)*	0€
Students/Clinical Interns SEI members	150€
Students/Residents SEI non-members	200€
SEI members	250€
SEI non-members	300€
Online SEI members	50€
Online SEI non-members	100€

*A free registration option will be available to **abstract presenters with accepted abstracts**. Please, be aware that free registration fees will be waived to the first **30 successfully submitted and accepted abstracts** from predoctors and clinical interns that are current SEI members.

GENERAL INFORMATION



ACCOMODATION

The congress offers participants rooms at special rates during the congress period at Hotel Meliá Alicante. All participants are advised to make their reservations as soon as possible to guarantee the availability of rooms.

ONLINE ACCOMMODATION FORM

HOTEL	DUI	Doble
Hotel Meliá Alicante (4*)	124€	139€

**Breakfast and VAT included*

WEBSITE

<https://www.a-wish.org/>

DOCUMENTATION DELIVERY

The attendees' badges will be delivered at the Technical Secretariat desk from **10:00 a.m. to 7:30 p.m. on Thursday 15th December 2022** and from **9:00 a.m. to 8:00 p.m. on Friday 16th December 2022**.

ACCESS

It would be required to show your attendee badge to access the Symposium room and to access the coffee and lunch breaks at the ADDA.

The access to the virtual platform will be available from **Thursday December 15th 2022**. The Technical Secretariat will provide all participants in advance with the access link, as well as username and password to access the virtual Congress.

ATTENDANCE CERTIFICATE

After the congress, attendees will receive an email containing a link that will redirect to the feedback form, once it is completed, the certificate of attendance can be downloaded.



GENERAL INFORMATION



SOCIAL EVENTS

On-site registered participants are invited to attend the following social events (previous confirmation required):

Reception Dinner

Restaurante La Ereta

Thursday, December 15 - 21:00h

Transfer included (departure at 20:00 from ADDA)

**You will be requested to present the formal invitation to the dinner (sent by the technical secretariat)*

Congress Dinner

Restaurante Marmarela

Puerto de Alicante. Muelle Levante 14 - 03001 Alicante

Friday, December 16 - 21:00h

**You will be requested to present the formal invitation to the dinner (sent by the technical secretariat)*

**Participants who fail to confirm their attendance will not be given the corresponding invitation, which will be requested at the arrival to the social events.*



Empresa líder en vacunas

LA CARA VISIBLE DE LA PREVENCIÓN



NX-ES-GVX-WBAN-220002 (V1) 12/2022

Imagen representada por una actriz, únicamente con fines ilustrativos



inmunotek
alergia e inmunología

UNSTOPPABLE FOR YOU

**Constantly innovating in the development
of vaccines for the allergy treatment.**

Effective and safe vaccines as a result
of our **commitment to improve**
the **quality of life** of patients with allergies.

Get to know more at:
www.inmunotek.com

AVES-2200004 (Nov 22)



HIPRA

Building Immunity
for a Healthier World

Avda. la Selva, 135, 17170 Amer (Girona), Spain
Tel.: (+34) 972 43 06 60 · hipra@hipra.com · www.hipra.com

SPONSORS

MAIN SPONSOR



SPONSOR

HIPRA

COLLABORATORS



werfen

Palex
Constant Improvement

A - WISH



TECHNICAL SECRETARIAT

GRUPO PACIFICO

The power of meeting

Avda. Cesar Augusto 3. 50.004 Zaragoza
Tel. + 34 976 43 58 57 | Fax +34 976 28 07 40
awish2022@pacifico-meetings.com

