

DAY OF IMMUNOLOGY

Campaign 2025



Sociedad
Argentina de
Inmunología

**“Brain and Immunity:
Immunological Insights into
Neurological Disorders.”**



- Every April 29th, the Argentine Society of Immunology (SAI) launches a nationwide campaign to promote awareness of immunology. Our goal is to disseminate advances in this field across all regions of Argentina. We also emphasise the importance of strategies to strengthen population-wide immune responses through vaccination or healthy lifestyle habits.

Activities of our Campaign

We organised educational activities in schools and universities, including interactive workshops (some of which are still ongoing). Additionally, we held community outreach events to update the public on the latest research regarding the immune system's role in neurological disorders, as well as the broader connection between the immune and nervous systems.

2025 Buenos Aires Book Fair

“Dangerous Liaisons: Conversations Between the Brain and the Immune System”

Coffee with Experts session—an informal and engaging discussion about the dialogue between the **brain and the immune system**, .

"Peeking Inside Our Bodies"

PARALLEL ACTIVITY FOR KIDS: Alongside the roundtable discussions, we organized hands-on activities for children, including:

- **Microscopic exploration** of immune system and neuron samples using optical microscopes.
- **Interactive videos** showing immune cell microscopy (displayed on tablets/laptops).
- **Themed coloring pages** featuring immune system characters.
- **Storytime sessions** with an immune system-themed tale written by one of our expert scientists.

This engaging setup allowed young minds to discover the wonders of immunology and neuroscience in a fun, accessible way!



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2025 Buenos Aires Book Fair



Public lectures – City of Buenos Aires

CONICET
I M E X

International day of immunology

JORNADA POR LA SEMANA DE LA INMUNOLOGÍA

De la investigación a la acción:
Perspectivas sobre los tumores cerebrales.

PROGRAMA

29 de abril de 2025
Academia Nacional de Medicina.
Las Heras 3092, Biblioteca (1º piso), CABA.

9:30-10:00 Acreditaciones

10:00-12:30 SESIÓN 1

Coordinadoras: Dras. Gabriela Salamone y Carolina Jancic

10:00-10:30 ALAPA: Alianza Argentina de Pacientes.
Lic. Carolina Oliveto

10:30-11:00 Qué hacer cuando te dicen que ya no hay nada por hacer.
Alexis Descourvieres. Mamas y papas contra el glioma. CRIO (consorcio de referencia en investigación oncopediátrica).

11:00-11:30 Gliomas en pediatría: Una nueva mirada.
Dr. Nicolás Palomar. Fleni. Argentina

11:30-12:00 Estudio del rol de clusterina en gliomas.
Dr. Juan Sabatte. INIBIRS, UBA. Argentina

12:00-12:30 Discusión.

12:30-13:30 Almuerzo

13:30-15:10 SESIÓN 2

Coordinadoras: Dras. Marianela Candolfi y Gabriela Salamone

13:30-14:00 Glioblastoma: de la investigación básica a la terapia personalizada.
Dra. Silvana Lomparia. FFyB, UBA. Argentina

14:00-14:30 Reprogramación epigenética del microambiente inmune en gliomas: Impacto sobre la eficacia de las inmunoterapias.
Dra. María Castro. Universidad de Michigan, USA

14:30-14:50 Modelos celulares derivados de biopsias de pacientes: una plataforma para la investigación y el desarrollo de terapias innovadoras en neurooncología.
Dra. Marianela Candolfi. INBIOMED - CONICET, UBA. Argentina

14:50-15:10 Establecimiento de un biobanco de líneas celulares y organoides derivados de pacientes para el desarrollo de estrategias terapéuticas personalizadas en gliomas de alto grado.
Dr. Guillermo Videla Richardson. Fleni e IByME. Argentina

15:10-16:10 Coffee, Sesión de posters y Dale Vida

16:10-17:30 SESIÓN 4

Coordinadoras: Lic. Paula Saibene y Dra. Carolina Jancic

16:10-16:40 Nuevas estrategias terapéuticas para el Glioblastoma: Combinando terapia fotodinámica y celular para el desarrollo de un medicamento de terapia avanzada.
Dr. Luis Ezequiel Ibarra. Univ. Nac. de Río Cuarto. Córdoba. Argentina

16:40-17:00 Pequeños mensajeros: las vesículas extracelulares derivadas del glioblastoma regulan a las células Tγδ.
Dra. Carolina Jancic. IMEX (CONICET/Academia Nacional de Medicina). Argentina

17:00-17:20 Influencia de la linfopoyetina estromal tímica (TSLP) y del neutrófilo en la patogénesis del glioblastoma: hacia un posible blanco terapéutico.
Dra. Gabriela Salamone. IMEX (CONICET/Academia Nacional de Medicina). Argentina

17:20-17:30 Cierre.

Nos apoyan: FUNDACIÓN RENÉ BARÓN

Celebrating Immunology Day 2025 – "Brain and Immunity: Immunological Perspectives on Neurological Disorders"

The event featured the participation of the Argentine Alliance of Patients (ALAPA), the Parents Against Gliomas Group, and the Consortium for Pediatric Oncology Research (CRIO), alongside researchers who presented the latest advancements in brain cancer research from Argentina and abroad. Additionally, poster presentations were held to encourage engagement from early-career researchers and non-scientific community members, fostering a welcoming atmosphere conducive to fruitful discussions.



Open House Days at the Institute of Immunological and Physiopathological Studies – La Plata

This time, we welcomed over 50 high school students and university students from the Faculty of Exact Sciences, who not only toured our facilities but also got a close look at our research lines and experimental approaches. It was a wonderful day and an opportunity to spend time together, exchange ideas, and inspire careers—discussing science and education with commitment and passion.

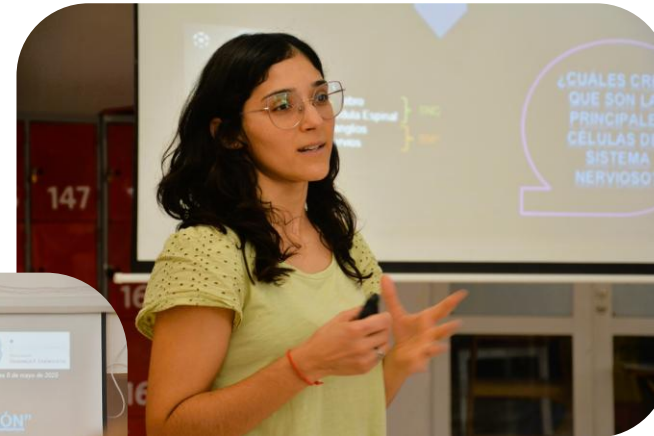


Talks on immune response in different pathological conditions of the Central Nervous System - Junín

"Neuroimmunology in action"

A hands-on day of science, microscopy, and art in the spirit of ramón y cajal

The session featured discussions on immune responses in different CNS pathological settings. Attendees learned about central nervous system cells and explored laboratory techniques used to study their behavior in conditions such as traumatic brain injury, stroke, and epilepsy



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- *Viewing astrocytes and microglia under the microscope (stained tissue from brain injury research)*
- *Spotting immune cells in blood samples.*
- *Exploring whole mouse brains and their parts.*



Talks on immune response in different pathological conditions of the Central Nervous System - Junín

"Neuroimmunology in action"

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- Play-based activities.



Outreach/Extension activities - Córdoba

"Mission Control and Its Army: Exploring the Brain and Immune System"

Activity for High Schools (Part of the immersive exhibition "One Brain at a Time: The Ultimate Experience" hosted by the National University of Córdoba)



Semana del Cerebro en Córdoba

INVITACIÓN
Instituciones educativas
Secundarias

El comando central y su ejército: explorando el cerebro y el sistema inmune

20, 22, 27 y 29 de mayo de 2025

11.00 a 11.30 hs o
17.00 a 17.30hs

Av. Vélez Sarsfield 249
Academia Nacional de Ciencias

CONICET
C I B I C I

UNC
Universidad Nacional de Córdoba

ACADEMIA NACIONAL DE CIENCIAS

Sociedad Argentina de Inmunología



Outreach/Extension activities - Rosario

4th Edition Mini-Video Contest: "Superconnection: The Relationship Between the Nervous System and the Immune System"

For the fourth consecutive year, we will host a **one-minute video contest** aimed at children and adolescents from primary and secondary schools in Rosario and surrounding areas.

The contest begins with an **educational phase**: teachers will receive suggested lesson plans and scientific materials to help students learn about **the immune system, the central nervous system, and their interconnection**.



4° Concurso Local de Minivideos

Día de la Inmunología

Superconexión, la relación entre el sistema inmune y el sistema nervioso

Te invitamos a participar enviando un **video de 1 minuto** sobre el **sistema inmune**.

Es **grupal** y hay **premios**.

Bases y condiciones e inscripción

Auspicia



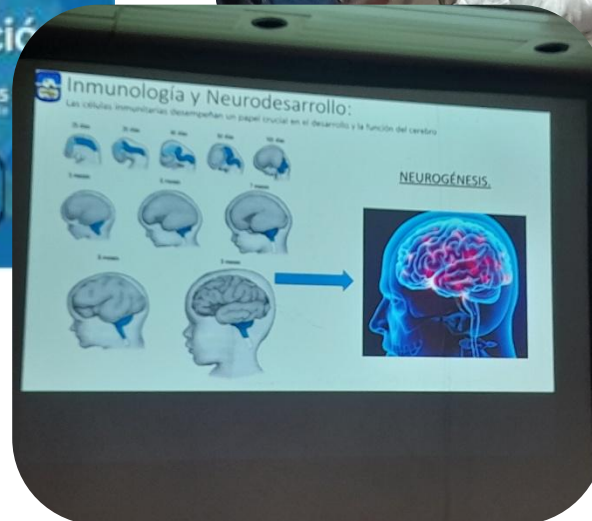
The competition closes on June 27th!!!



Outreach/Extension activities – San Luis

“Immunology Day Symposium: The Future of Immunology & Neuroscience”

We hosted a public symposium exploring how our immune system shapes brain development and its connection to neuroimmunological disorders.



Outreach/Extension activities – Tucumán

Activity 1: Immunologists Go to School

The main goal of this initiative was to bring scientific knowledge to the school community, particularly to inspire adolescents to recognize the collective importance of immunology in the development of neurodegenerative diseases. Additionally, we aimed to show students how and where scientists work within Argentina's scientific system, with the hope of sparking interest in the next generation of future researchers. The program was designed for students in their 3rd and 4th years of secondary school.

Activity 2: Inflammation, Dysbiosis, and Neurodegeneration: An Integrated Biochemical Perspective

This event featured a **lecture and discussion** covering fundamental concepts of immunity, dysbiosis, and neurodegenerative diseases, with a focus on current therapies—particularly **immunotherapy**. The session was designed for **university students and the general public**.

Activity 3: Your Immune System Also Thinks

This outreach activity used an **animated explainer video (Draw My Life style)** to demonstrate how immune cells—like microglia—function in the brain, and how their dysregulation can impact **behavior and memory**. The key takeaway: *"Protecting your immunity means protecting your mental health."*



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... Additionally, the events were used as an opportunity to conduct vaccination campaigns and promote awareness about the importance of vaccination



Following tradition, the campaign went viral—thanks to the SAI's social media channels and the networks of our members' research institutions!

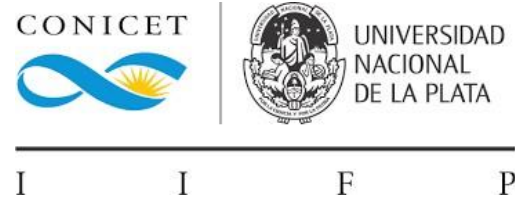


Summary of Argentine Campaign 2025

- ▶ Institution hosted events: 11
- ▶ Attendees: >1500 attendees
- ▶ Educational materials: >10
- ▶ Lectures: 20
- ▶ Poster exhibitions: 4
- ▶ Vaccination campaign: 3
- ▶ Mini-videos competition: 1
- ▶ Flyers via social media >10



Acknowledgements



CÁTEDRA DE INMUNOLOGÍA, FACULTAD DE
BIOQUÍMICA, QUÍMICA Y FARMACIA-UNT



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