

IUIS

Education Committee

Chair: Clive Gray, South Africa (FAIS)

Vice-Chair: Olivier Boyer, France (EFIS)

Vice-Chair: Ros Kemp (on-line sub-committee, OLSC), New Zealand (FIMSA)

past chair: Dieter Kabelitz, Germany (EFIS)

Main Committee

Rosana Pelayo, Mexico (ALACI)

Ridha Barbouche, Tunisia, UAE (FAIS)

Prosper Boyaka, USA (AAI)

Shubhada Chiplunkar, India (FIMSA)

Guillermo Docena, Colombia (ALACI)

Mehrnaz Mesdaghi, Iran (FIMSA)

Tim Sparwasser, Germany (EFIS)

Gloria Vasquez, Colombia (ALACI)

Monica Guzman, USA/Mexico (AAI)

Esteban Ballestar, Spain (EFIS)

Yanet Valdez, Canada, Peru (CSI/AAI)

Tracey Lamb, USA/UK (AAI/BSI)

On-Line Sub Committee

Sawsan Feki, Tunisia (FAIS)

Odile Wijburg, Australia (FIMSA)

Caroll Beltran, Chile (ALACI)

Tomabu Adjobimey, Benin (FAIS)

The vision of the Edu Comm is to advance Immunology training worldwide and lower disparity through promotion and support of Immunology Education in low to middle income countries (LMICs).

The Edu Com mission is to

- Organize courses in LMIC that are relevant to regional needs, working together with local immunologists.
- Provide a limited number of travel fellowships to students from LMIC to attend advanced immunology courses, through partnerships with immunological societies.
- Contribute to raising additional funds needed to support the activities of the committee.
- Provide ongoing academic mentoring of previous course participants.
- Provide free access to on-line immunology content.

Activities 2023



Courses

- In-person course Immuno-Morocco 05-10 June, Marrakech/Morocco – [Immuno-Morocco 2023](#)
- In-person course Immuno-India 01-06 October, Thiruvanthapuram/India - [Immuno-India 2023](#)
- In-person course Immuno-Chile 16-20 October, Santiago/Chile - [Immuno-Chile 2023](#)

**IUIS-SMI-FAIS
IMMUNO-MOROCCO 2023**
Zephyr Targa, Marrakech, Morocco

June 5-10, 2023

Tumour Immune Microenvironment and Immunotherapies

ABOUT THE COURSE

The course will discuss cancer and its complex interactions with the immune system. We will focus on the tumour immune microenvironment, cell and antibody therapies, and cancer vaccines. Our goal is to provide high quality up to date immunology knowledge, highly interactive discussion sessions, a flow cytometry workshop, poster presentations, and training in grant writing. We aim to bring together students and faculty to promote career progression of young African scientists.

REQUIREMENTS TO APPLY

This 5-day course is open to 50 graduate students enrolled in academic PhD programs, postdoctoral fellows, MDs and young researchers engaged in Immunology & Cancer related research projects.

- The candidates should have some level of research experience to benefit maximally.
- Those applying should ensure that their passport is valid for at least 6 months beyond the dates of the course as visa application time is short.
- Selection of students will be based on the quality of the abstract submitted, research output and academic excellence.
- **There is a registration fee of \$100**
- **Selected students will receive partial or full funding to cover registration, accommodation and travel expenses**
- Successful candidates will be notified by March 27

ORGANIZERS

Abdallah Badou: Hassan II University, Casablanca and Mohammed VI Center for Research and Innovation, Rabat, Morocco
Jamal Hafid, Cadi Ayyad University, Marrakech, Morocco
Dieter Kabelitz: University of Kiel, Germany
Michelle Letarte: SickKids Hospital and University of Toronto, Canada
Clive Gray: Stellenbosch University, RSA

FACULTY

20 International and African renowned scientists will be teaching this course.

All selected participants must complete an online pre-course on the Immunopaedia website starting the week of 17 April 2023.

Application Deadline: March 6, 2023
 Please apply here: <https://www.immunopaedia.org.za/course-registrations/immuno-morocco-2023>

**IUIS-FIMSA-IIS
IMMUNO-INDIA 2023**
RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY (RGCB)
Thiruvananthapuram, India

October 1-6, 2023

Epigenetic Regulation of Immune Responses

ABOUT THE COURSE

The course will discuss basic mechanisms of epigenetic regulation and its impact on the immune system, clinical perspectives related to autoimmunity, cancer, and infection. The course will also include sessions on technologies applied in epigenetic research with practical demonstrations. This course will be highly interactive including round table discussion sessions, poster presentations, and training in grant writing. We aim to bring together students and faculty to promote career progression of young scientists.

ELIGIBILITY

This 6-day course is open to 50 graduate students enrolled in academic PhD programs, postdoctoral fellows, MDs engaged in Immunology & Epigenetics and related subjects.

- The candidates should have research experience.
- Applicant should ensure that their passport is valid for at least 6 months beyond the dates of the course.
- Selection will be based on the abstract and motivation letter
- **Registration fee of \$50 will be charged**
- Selected students will receive partial or full funding to cover registration, accommodation and travel expenses
- Successful candidates will be notified by May 29, 2023

ORGANIZERS

Chairpersons:
 Chandrabhas Narayana
 RGCB, Thiruvananthapuram, India
International co-organizers:
Michelle Letarte: SickKids Hospital and University of Toronto, Canada
Clive Gray: Stellenbosch University, South Africa
Course convenors:
Dieter Kabelitz: University of Kiel, Germany
Shubhoda Chiplunkar: ACTREC, Navi-Mumbai, India
Organizing team:
Santhoshkumar TR: RGCB, Thiruvananthapuram, India
Devasena Anantharaman: RGCB, Thiruvananthapuram, India
Harkumar Kil: RGCB, Thiruvananthapuram, India
Jaydeep Bhat: Ruhr University Bochum, Germany

FACULTY

15 international and 10 Indian renowned scientists will be teaching this course.

All selected participants must complete an online pre-course on the Immunopaedia website starting the week of 17 April 2023.
 Application Deadline: April 28, 2023
 Please apply here: <https://www.immunopaedia.org.za/course-registrations/immuno-india-2023>

**IUIS-ALACI-SMI-ASOCHIN
Immuno-Chile 2023**
Santiago, Chile

October 16-20, 2023

Inflammation, Cancer, and Intestinal Mucosal Immunology (ICIMI)

REQUIREMENTS TO APPLY

This 5-day course will discuss different aspects of intestinal mucosal immunology in the context of intestinal chronic inflammatory disorders. The course will include sessions on IBD, food allergies, colorectal cancer, the role of diet and microbiome, neuroimmunogastroenterology, therapeutic immunointerventions, and translational immunology. It will be an interactive course with talks, discussions, poster presentations, and training in grant writing.

ORGANIZERS

CHAIRPERSON:
Caroli Beltran: Universidad de Chile, Chile

INTERNATIONAL CO-ORGANIZERS:
Dieter Kabelitz: University of Kiel, Germany
Michelle Letarte: SickKids Hospital and University of Toronto, Canada
Clive Gray: Stellenbosch University, South Africa
Eduardo Villablanca: Karolinska Institutet, Sweden
Guillermo Docena: Universidad de La Plata, Argentina

ORGANIZING TEAM:
Marcela Hermoso: Universidad de Chile, Chile
Fabien Magny: Universidad de Chile, Chile
Mauricio Farfan: Universidad de Chile, Chile
Carolina Ribero: Universidad de Chile, Chile

REQUIREMENTS TO APPLY

- The course is open to 50 MSc and PhD students and post-doctoral fellows from Latin America.
- Applicants should have research experience and submit an abstract of a poster to be presented during the course.
- Selection will be based on abstract, motivation, and academic and scientific excellence.
- Applicants should have a passport valid for 6 months after the date of the course.
- Selected students will receive a partial or full funding of accommodation, meals and travel.
- All accepted students will have to pay \$50US for registration.
- Selected students will be notified by June 25.

FACULTIES

15 International and Chilean renowned scientists will be teaching this course (G Nuñez, E Villablanca, K McCoy, K Lahl, C Gray, R Kemp, KN Faber, M Hermoso, G Monasterio, among others).

APPLICATION

- Selected participants must complete an online pre-course on the Immunopaedia website starting the week of September 4.
- Application deadline May 12.

Please apply here: <https://www.immunopaedia.org.za/course-registrations/immuno-chile-2023/>



Activities 2024

Courses

- Immuno-Mexico, April 7-12, Oaxaca. Theme: **Mechanisms for immunotherapies**
- On-line course Immuno-India (as a follow on from the in-person 2023 course)
- Immuno-South Africa, October 2-7, Pretoria. Theme: **One Health (in collaboration with VIC)**
- 1/2 day course at the ALACI meeting in Buenos Aires in Nov 2024: successful abstract/poster session



IUIS-SMI-ALACI IMMUNO-MEXICO 2024
OAXACA, MEXICO
07-12 APRIL 2024
Mechanisms for Immunotherapies

ABOUT THE COURSE
The course will show how the understanding of modern immunology concepts and mechanisms leads to the development of novel or repurposed treatments. Particularly, the relevance in CAR-T cell therapy, antibody drug conjugates, immunomodulators, and their clinical applications in oncology, infectious diseases, and autoimmunity. Our goal is to bring together trainees and mentors to promote the career progression of Latin American immunologists.

LOCAL ORGANIZERS
Jose Carlos Ojeda: Instituto Nacional de Ciencias Medicas y Nutricion (INCMN) Zedillo, Mexico
Yvonne Rosenzweig: Instituto de Biologia, Universidad Nacional Autonoma de Mexico, Mexico
Rosaura Pelley: Instituto Mexicano del Seguro Social (IMSS), Mexico

INTERNATIONAL ORGANIZERS
Dietmar Kabelitz: University of Kiel, Germany
Michelle Lazarus: University of Toronto, Canada
Clive Gray: Stellenbosch University, South Africa

APPLICANTS SELECTION
This 5-day course is open to graduate students, medical students, fellows, and early career academics working on translational immunology-related subjects. We aim to enroll 40-50 students, mostly from Mexico, Latin America, and the Caribbean.

Applicants will be requested to provide a letter of motivation, a short CV, a letter of support from their supervisor, and an abstract to be presented as a poster.

Selected students will receive partial or full funding to cover registration, accommodation, and travel expenses. Applicants are encouraged to apply for other sources of funding as the budget is limited.

Successful candidates will be notified by December 18, 2023.

All selected participants must complete an online pre-course on the immunopaedia website starting the week of February 19, 2024.

APPLY NOW www.immunopaedia.org/online-registration-immuno-mexico-2024
Deadline for application: November 27, 2023




IUIS-FAIS-SAIS IMMUNO-SOUTH AFRICA
Pretoria, South Africa | 30 September – 4 October 2024
ONE HEALTH – ZOOONOSIS AND COMPARATIVE IMMUNOLOGY

ABOUT THE COURSE
A collaboration between the International Union of Immunology Societies (IUIS) Education Committee, IUIS Veterinary Immunology Committee (IUIS-VIC), Federation of African Immunology Societies (FAIS) and South African Immunology Society (SAIS) brings you a comprehensive comparative immunology course with a focus on zoonotic infections within a One Health approach. The course mechanism of immune responses to bacterial, viral and parasitic pathogens will be derived into. The main learning objective of the course is to create awareness of inter-connections between human, animal, and environmental health and the impact on zoonotic disease control and prevention to address the complexities of today's global health landscape. The course consists of 6 weeks of self-study of pre-course material followed by a 1-week interactive in-person engagement.

APPLICANT SELECTION
The course is open to 50 graduate students, post-doctoral fellows and early career academics with an interest in or working on zoonotic diseases. Applicants will be requested to provide a letter of motivation, a short CV, a letter of support from their supervisor, and an abstract to be presented as a poster. Selected students will receive partial or full funding for accommodation, meals and travel. Applicants are encouraged to apply for other sources of funding as the budget is limited. All selected participants must complete an online pre-course on immunopaedia.org starting the week of 8 August 2024. Applicants accepted to the course will be notified by 22 July 2024. Applications are now open and close on 24 June 2024.

MAIN TOPICS
The main topics of this course include:
• Introduction to Zoonotic Infections and One Health
• Immune Response to Bacterial Zoonotic Infections
• Immune Response to Viral Zoonotic Infections
• Immune Response to Parasitic Zoonotic Infections
• One Health Approach in Zoonotic Disease Research

INTERNATIONAL ORGANISERS
• IUIS Education Committee: Clive Gray, Dietmar Kabelitz, Olivier Boyer, Roslyn Kemp
• IUIS-VIC: Alejandra V. Caputo, Claire Rogel-Guiljar, Yolanda Lommer

LOCAL ORGANISERS
• University of Pretoria: Theresa Rossouw, Ireen Pearson, Ivy Tshibane, Chris Marais

FACULTY
• Renowned scientists, both local and international, will be teaching this course

WORKSHOPS
• Grant writing
• Poster sessions

APPLY NOW www.immunopaedia.org/online-registration-immuno-south-africa-2024




ALACI 2024 BUENOS AIRES
NOVEMBER 4-8

Pre-meeting on Abstract Writing and Oral Communication Skills

This short pre-ALACI meeting workshop is designed to provide skills in interpretation and communication of scientific data.

The exercise will last for 3.5 hours and be divided into two sessions.

In the first session, participants will be divided into groups of ~6 and each group will receive a different scientific paper.

Each paper will have the title, abstract, authors, affiliations and all identifiers, and references redacted.

The objective is to: a) give the paper a title; b) write the abstract in 350 words and c) construct a graphical abstract.

The second session will be to present the graphical abstract to all the groups.

Each group will be assigned a mentor to help guide the process and motivate.

When: November 4 2024, 8:15am – 12:00pm

Mentors:
Guillermo Docena, Argentina
Clive Gray, South Africa
Caroli Beltran, Chile
Olivier Boyer, France
Roslyn Kemp, New Zealand
Carla Rothlin, USA
Sourov Ghosh, USA
Michael Schnoor, Mexico



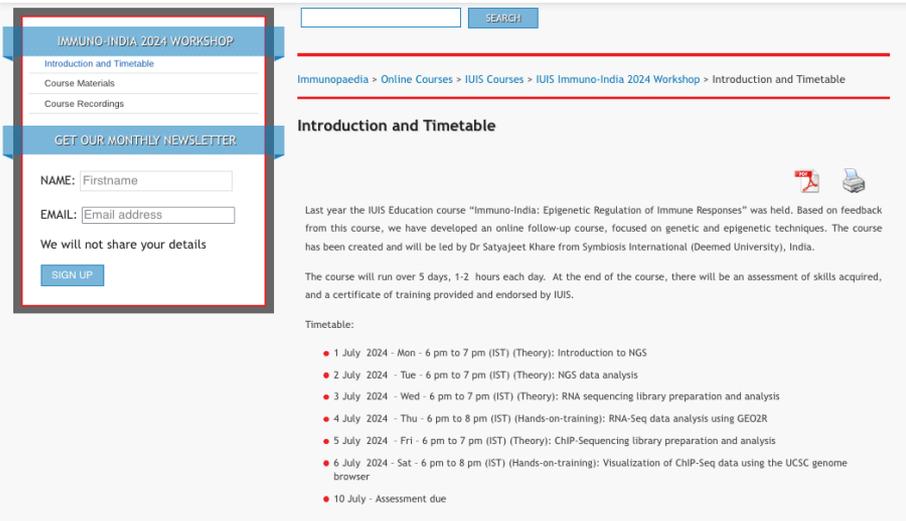
Funding LMIC students to AAI/DGFI meetings

- 3x AAI Basic Immunology
- 3x AAI advanced Immunology
- 2x DGFI Spring School

Creation of new policy documents

- Requests for Applications for in-person and on-line courses
- Conflict of interest policy
- Requirements to host a course
- Guide to post-course reporting

On-line course Immuno-India

A screenshot of the Immuno-India 2024 Workshop website. The page has a light blue header with a search bar and a 'SEARCH' button. Below the header, there is a navigation menu with links for 'Introduction and Timetable', 'Course Materials', and 'Course Recordings'. A sidebar on the left contains a 'GET OUR MONTHLY NEWSLETTER' section with a 'SIGN UP' button and a 'We will not share your details' statement. The main content area is titled 'Introduction and Timetable' and includes a paragraph about the course's origin and a list of dates and topics for the workshop. The list includes: 1 July 2024 (Mon) - 6 pm to 7 pm (IST) (Theory): Introduction to NGS; 2 July 2024 (Tue) - 6 pm to 7 pm (IST) (Theory): NGS data analysis; 3 July 2024 (Wed) - 6 pm to 7 pm (IST) (Theory): RNA sequencing library preparation and analysis; 4 July 2024 (Thu) - 6 pm to 8 pm (IST) (Hands-on-training): RNA-Seq data analysis using GEO2R; 5 July 2024 (Fri) - 6 pm to 7 pm (IST) (Theory): ChIP-Sequencing library preparation and analysis; 6 July 2024 (Sat) - 6 pm to 8 pm (IST) (Hands-on-training): Visualization of ChIP-Seq data using the UCSC genome browser; 10 July - Assessment due.

- This was designed to be a follow-on course of the in-person 2023 Immuno-India course in Trivandrum/India.
- It was run by some of the original Faculty of the course and the students were invited to participate in a week-long course so that knowledge gained during the in-person course could be consolidated and furthered using the on-line platform.
- Using the Immunopaedia platform, the approach was designed in collaboration between the Immuno-India Faculty and the On-Line Sub-Committee

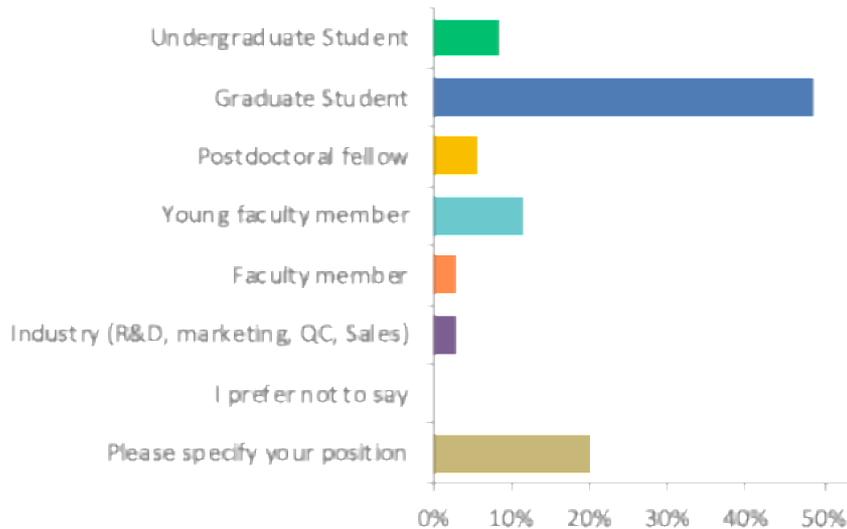
This approach shows:

1. The Edu Com can run online courses as follow-on from the in-person course
2. The in-person courses have additional value in that they lead to new chances to create more content (through Ambassadors and Faculty)
3. It is a way of engaging in-country Faculty and developing new learning material
4. The combined in-person and on-line approach supports and sustains the IUIS Edu Comm mission to develop professional immunologists in LMICs

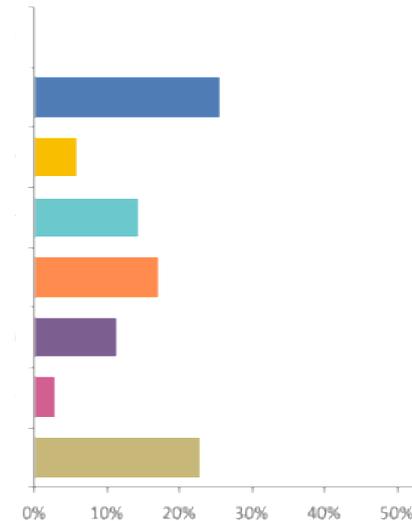
Measuring the long-term impact of IUIS Edu Com courses (interim analysis)

- A 16-question survey was sent to 1200 participants of prior courses. It was initially fielded to 50 Immunopaedia ambassadors and 48 responded:
- Breakdown: 50% Africa; 27% Asian; 2% Oceania; 8% European; 12% Americas (North, Central and South)
- Cis-Man: 48%; Transgender man: 2%; Cis-women: 44%; self describe: 4%; non-binary 2%.

What position did you hold at the time you took this course (N=35)



What position did you now hold (N=35)



Skills that were most important during the course: 79% networking; 62% communication; 53% critical thinking; 47% grant writing; 38% practical writing skills; 29% presenting posters; 26% Leadership. N= 34

Results



Edu com symposium at IUIS 2023

- To commit to globalizing immunology in equitable ways
- To Incorporate community engagement. The people who are impacted by the research (New Zealand model of research and community, 20% of proposal score allocated to dealing with community trust and knowledge)
- To further build up local mentors on the ground (make more of the Immunopaedia Ambassador network to create an IUIS immunology community)
- To partner with H3 Africa around big data sets in education
- To give students assignments, continuous engagement – brainstorm immunology problems
- To organize on-line social activities (fostering a community)

Request for Applications to host Immuno-courses in 2025

- An RFA was issued in May 2024 by the IUIS Edu Com
- 8 applications received by 15 June 2024
- The following were selected after rigorous review and voting of the full committee
 - Peru – **Interplay between the Environment and the immune system**
 - Cambodia - **Immune responses to arbovirus infections from a One Health perspective**
 - Madagascar - **From Basics to Breakthroughs: Exploring Immunology of Emerging and Re-Emerging Infectious Diseases**
 - (Immuno-Iran was also selected if carry-over from 2024 is approved – **Immunotherapy**).

Challenges and Remedies

- We had to cancel the Immuno-Ghana course. It was not possible for the hosts to form a viable programme and raise additional funds.
 - Propose carry-over of the earmarked sum of \$50,075 to 2025
- In requesting for applications for hosting a course, there was a realization we required a conflict-of-interest policy:
 - Conflict of Interest policy – written
- Expectations of hosting and reporting on a course was unclear
 - Guide for running a course – written
 - Guide for writing a post-course report – written
- All written materials will be posted on the IUIS website for transparency and potential use by other committees.

Opportunities

- To hold Immuno-courses in three unique locations (Peru, Cambodia and Madagascar), thereby creating a further reach for the IUIS
- To shape a new-look pre-course case-study driven content for specific courses that is specifically designed to develop critical thinking and skills (*this is being rolled out for the Immuno-South Africa course in Pretoria in October 2024*)
- To re-new the MOU between the IUIS and Immunopaedia

Courses in 2025 (Dates to be confirmed):

- Immuno-Peru
- Immuno-Cambodia
- Immuno-Madagascar
- Immuno-Iran (if carry-over budget is approved)
- Continuation of supporting LMIC students to AAI/DGFI courses in 2025
- Release the re-modelled Immunopaedia website for IUIS on-line learning
- Integrate Immunopaedia better with the IUIS Immuno-Hub (ongoing)