

Advanced Course on Mucosal Immunology (ACMI 2018)
Seeding mucosal immunology in South America

Dates: Monday October 22th to Saturday October 27th, 2018

Place: HOTEL UTHGRA Los Cocos, Cordoba, Argentina

<http://www.uthgraloscocos.com.ar/>

https://www.tripadvisor.com.ar/Hotel_Review-g3610827-d3609004-Reviews-Hotel_Uthgra_Los_Cocos-Los_Cocos_Province_of_Cordoba_Central_Argentina.html

Cost: a\$ 8300/9100 Argentinian pesos (\$415/455 USD) per person, all inclusive. Rest of the world u\$ 700

To reserve the hotel: a\$ 150,000 (aprox. \$8,390 USD)

Estimated total costs for accommodation for 65 participants plus 15 speakers: a\$ 664,000 (aprox. \$36,300 USD) 80 participants at a\$ 7600. Transportation by taxi a\$ 1,500 (u\$ 75) for up to three. Transportation by hotel shuttle around a\$ 200 (u\$ 10) each if arranged previously.

Registration: u\$ 500(single)/460 (double) for Latin America. u\$ 700 (single)/660 (double) Rest of the world. Scholarships of u\$ 250 will be offered depending on the abstracts received.

Speakers: Around 15. Each would teach between 2-3 classes and lead one paper discussion. Accommodation will be covered but we would like speakers to pay for the ticket to Argentina if possible. If we cannot get a speaker to cover the trip, we would do so (within our budget limitations)

Students: This course is aimed for PhD students and postdocs in the field of immunology from Latin America who wish to understand more about the mucosal immune system, but will be opened to students worldwide if space is available. We aim to have a number of scholarships to support attendance by selected students. Before the course, all the students will be asked to read 2 papers selected by the speakers, who will then lead discussion of the papers during the meeting. Each student will also be asked to present a poster on their own work. As a requirement for a graduate level course, there will be a final exam containing 2-3 questions from each talk.

Proposed attendance: 65 participants, 15 (rest of the world) and 50 from Latin America where we expect to provide 25 half-scholarship and to have 25 participants paying full-price registration.

Course load: Designed as a retreat, the course will take place in 6 days and 5 nights. The total duration of activities planned for the course will be 355 hrs with 22.5 hrs of effective teaching and 30 classes of 45 min each.

Program (preliminary version)

Day 1. Innate barriers and mucosal immune tissues

M1.- Development and structure of mucosal immune tissues. **Ifor Williams**

Lunch

M2.- Innate barriers: epithelial cells, stroma, mucus, M cells. **Kenneth Beagley**

M3.- Innate immunity. Receptors and inflammatory responses. **Tim Sparwasser**

Coffee break

Article discussions #1 (3 articles to be discussed in groups with experts)

Coffee Break

M4.- Skin Immunity. (speaker to be confirmed)

Dinner

Day 2. Mucosal dendritic cells and macrophages. Driving T cell responses

T1.- Regionalized immunity along length of gut. Mononuclear phagocytes subsets and mechanism of antigen uptake **William Agace**

T2.- Homing mechanisms. **Oliver Pabst**

Coffee Break

T3.- Control of the immune response: regulatory dendritic cells and macrophages, tissue repair and healing. **Eduardo Villablanca**

T4.- Mucosal myeloid cells: Macrophages and lung immunity. **Cecilia Johansson**

Lunch

T5.- Ontogeny and functional diversity of intestinal dendritic cell subsets in intestinal immunity.

William Agace

T6.- Isolation and characterization of mucosal macrophages and dendritic cells. **Tim Denning**

Coffee Break

Poster presentations

Dinner

Day 3. Conventional and unconventional lymphocytes

W1.- Intraepithelial lymphocytes. **Brian Sheridan**

W2.- Mucosal B cells. **Oliver Pabst**

Coffee Break

W3.- Mucosal T cells: subsets, differentiation and function. **Tim Sparwasser**

W4.- Innate lymphoid cells in intestinal immunity and inflammation. **Eduardo Villablanca**

Lunch

W5.- Metabolomics, T cell activation and autoimmunity. **Tim Sparwasser**

W6.- Bioinformatic tools in immunology. **Helder Nakaya**

Coffee Break

Paper discussions #2 (3 articles to be discussed in groups with experts)

Dinner

Day 4. Good and bad bugs

T1.- Microbiota and barrier functions. **Elena Verdu.**

T2.- Secretory IgA and microbiota. **Oliver Pabst**

Coffee Break

T3.- Gut immunity and microbiota. **Gabriel Nuñez**

T4.- Intestinal infections. **Brian Sheridan**

Lunch

T5.- Infections in the reproductive tract. **Kenneth Beagley**

T6.- Virus infection in the lung. **Cecilia Johansson**

Coffee Break

Poster Presentations

Dinner

Day 5. Translational mucosal immunology

F1.- Asthma. (speaker to be confirmed)

F2.- Food allergy. **Guillermo Docena**

Coffee Break

F3.- Celiac disease. **Elena Verdu.**

F4.- Inflammatory bowel disease. (speaker to be confirmed)

Lunch

F5.- Microbiota-gut-brain axis: Implications for gastrointestinal disorders. **Giada de Palma**

Coffee Break

Social activities (Climbing a hill)

Dinner (gala)

Day 6. Mucosal immunology: Back to the future

S1.- Mucosal vaccines. **Brian Sheridan**

S2.- Systems vaccinology. **Helder Nakaya**

break

S3.- Panel of discussion on the Future of MI. Chaired by **Tim Denning**

Lunch and farewell

Confirmed speakers

Ifor Williams (Emory University, GA, USA)

William Agace (Lund University, Sweden)

Tim Denning (GSU, GA, USA)

Gabriel Nuñez (The University of Michigan Medical School, Ann Arbor, MI, USA)

Cecilia Johansson (Imperial College, UK).

Eduardo Villablanca (Karolinska Institute, Sweden)

Elena Verdu (McMaster University, Canada)

Giada de Palma (McMaster University, Canada)

Helder Nakaya (USP, Brazil)

Guillermo Docena (IIFP, UNLP, Argentine)

Oliver Pabst (RWTH Aachen university, Germany)

Brian Sheridan (Stony Brook University, NY, USA)

Tim Sparwasser (MH-Hannover, Germany)

Kenneth Beagley (Queensland University of Technology, Australia)