



USAL Program Medical Immunology 2022 (update)

Venue: Hospital Universitario de Salamanca (to agree with Lourdes, depending of the number of attendees)

Time: 16:15 h – 17:45 h

Basic aspects of human immunology and relevance for medicine

January 25th	Introduction: Structure and function of the immune human system
January 27th	Adaptive immune system: antigen receptors and repertoire & ageing (consequences for disease susceptibility)

Understanding immunological mechanisms of disease

February 28th	No lecture
March 1st	Immune response to infections and vaccinations: COVID as model system
March 3rd	Immunodeficiencies: PID and immune compromised patients
March 15th	Malignancies of the immune system: Diagnosis, classification and monitoring (together with Julia and Alberto)
March 16th	HLA system and organ transplantation (SCT and solid organ transplantation) + local case
May 10th	Allergies and role of immune cells and antibodies + local case
May 12th	Auto-immunity & auto-immune diseases: mechanisms and consequences + local case
June 21st	Organ-specific (endocrine) auto-immune diseases and systemic diseases + local case
June 23rd	Immunotherapies: antibodies and cellular therapies + local case - special attention for antibody therapies and their mechanisms - combined antibody therapies - CAR T-cell therapy
Date: tbd	Immune reconstitution and immune regeneration after SCT, gene therapy and immune therapies + local case