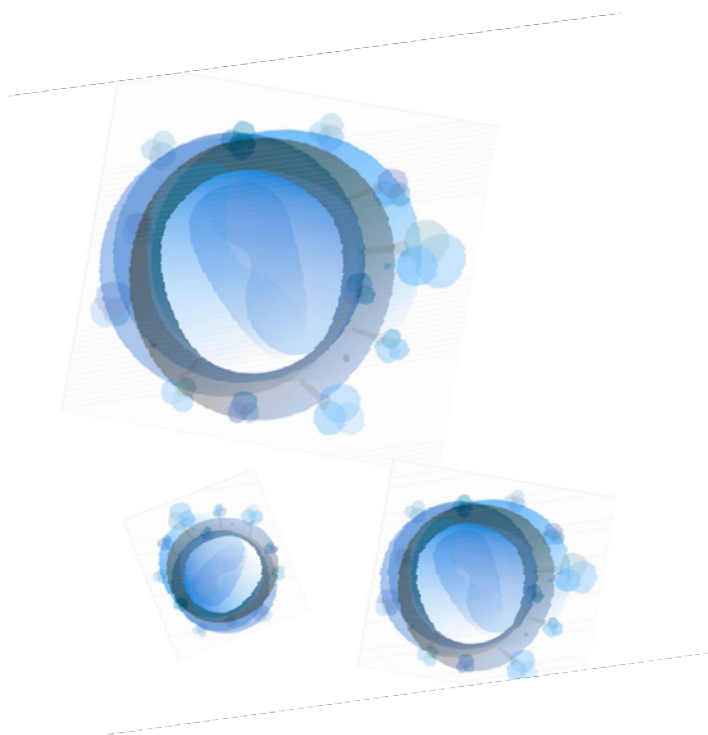


Master in AIDS PATHOGENESIS AND TREATMENT



The identification of the Human Immunodeficiency Virus (HIV) and the strong impact of the HIV infection on global population have led a quantitative and qualitative change in Retrovirology research.

The advances of the last 25 years have broadened the knowledge of this virus and have allowed to define treatment regimens and to establish the bases for the development of vaccines and eradication strategies.

Human Retrovirology has become one of the most dynamic areas of biomedicine and the strong development of this area of research requires specialized professionals with extensive knowledge in the fields of virology and immunology.

A highly personalized training, with full integration into leading research groups in the field of hiv/aids

Program Details

Degree: Master's degree

Dates (start and end): from October 3, 2016 to June 30, 2017

Duration: 1 academic year

Total credits: 60

Schedule: Afternoons (3-6pm) from Mondays to Thursdays

Place: IrsiCaixa - AIDS Research Institute
Germans Trias i Pujol Hospital
08916 Badalona (Barcelona) - SPAIN

Places available : 10

Languages: Catalan, Spanish and English

Price: ~~6.000€~~ **4.020€** ← **2016-2017 Edition**
33% discount
CONTACT US !!

Access Requirements

- To have a degree in Biomedical Sciences: Biology, Biochemistry, Biotechnology, Veterinary, Medicine or other equivalent
- To have a B2 level of command of English and/or Spanish (Common European Framework of Reference for Languages, CEF)

Contact

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Program

Module 1. Virological, Immunological and Clinical bases / 6 credits (CO)

- Virology and retrovirology
- Functional anatomy of the host immune response
- Basic and applied immunopathology
- Immunology in HIV-1
- Immunopathogenesis in HIV-1 Infection
- Host genomics in HIV-1 infection

Module 2. Antiretroviral Treatment/ 6 credits (CO)

- Introduction to HIV clinical practice
- Methodological basis of clinical research
- Current and future HIV therapy
- Pharmacokinetics
- Antiretroviral drug resistance
- Management of aging HIV-infected patients

Module 3. HIV related viruses / 6 credits (CO)

- HIV and HIV-2 diversity
- Co-infections (HCV, HBV, HPV)
- Other human and non-human retroviruses (HTLV, XMRV)

Module 4. Development of Therapeutic and Preventive HIV Vaccine / 6 credits (CO)

- Cellular immunity
- Humoral immunity
- Vaccines
- HIV vaccines in clinical trials
- Vaccine related eradication strategies

Module 5. HIV Research: Innovation and Project Management in a Responsible Research Environment / 6 credits (CO)

- HIV/AIDS State-of-art
- Project Management
- Innovation & Knowledge Management
- Responsible Research & Innovation

Module 6. Internship / 15 credits (CO)

Module 7. Master Thesis / 15 credits (CO)



CO = Compulsory

The Master in AIDS Pathogenesis and Treatment provides a broad overview of virology and immunology fields, and explores in depth the main lines of HIV research

CAREER OPPORTUNITIES

- PhD studies
- R+D development
- Professional careers in Pharmaceutical and Bio-medical industries

