

**IMIM**

Parc  
de Salut  
**MAR**  
Barcelona

Institut Hospital del Mar  
d'Investigacions Mèdiques

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# CATALONIAN ANTIDOPING LABORATORY

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[www.imim.es](http://www.imim.es)

[www.imim.cat/antidoping](http://www.imim.cat/antidoping)

[www.imim.cat/programesrecerca/neurociencies/en\\_grbsa.html](http://www.imim.cat/programesrecerca/neurociencies/en_grbsa.html)



# WORKING FOR A CLEAN SPORT

The Laboratory is **one of the 30 laboratories accredited** by the World-Anti-Doping Agency (WADA) in the world. The Laboratory has been working since 1985.

## ACTIVITIES

1. **Antidoping controls**
2. **APMU**, Athlete Passport Management Unit
3. **Training and consultancy**
4. **Research**

# ANTIDOPING CONTROLS



Analysis of samples collected at **competitions** (in competition tests) or during **training periods** (out of competition tests)



**Clients:** National Anti-Doping Organizations, International Federations,...



Analysis of samples collected in more than **50 countries**



# ANTIDOPING CONTROLS

## Experience in antidoping analyses in major sport events

XXV Olympic and Paralympic Games, Barcelona 1992

XI Pan American Games, La Havana (Cuba) 1991; XII Pan American Games, Mar del Plata (Argentina) 1995; and XVI Pan American Games, Guadalajara (Mexico) 2011 (satellite laboratories)

XIII Asian Games in Bangkok, 1998

10th and 15th FINA World Championships, Barcelona 2003 and 2013

11th Pan Arab Games, Cairo (Egypt) 2007

20th European Athletics Championships, Barcelona 2010

14th World Junior Championships in Athletics, Barcelona 2012

XVIII Mediterranean Games, Tarragona 2018

# ATHLETE PASSPORT MANAGEMENT UNIT

Management of **steroidal** and **hematological** passports

**Clients:** National Anti-Doping Organizations and International Federations

**Languages:** spanish, catalan, english, french

## Activities

- Evaluation of new data
- Recommendations
  - Additional analyses in already existing samples
  - Target testing
  - Revision of atypical results by an expert panel
  - Long-term storage

# TRAINING AND CONSULTORY

The Laboratory has participated in the training and consultancy of other laboratories to obtain WADA accreditation

- National Doping Control Centre , Bangkok, **Thailand**
- Laboratório Brasileiro de Controle de Dopagem, Rio de Janeiro, **Brasil**
- Turkish Doping Control Center, Ankara, **Turkey**
- Antidoping Laboratory Sports Medicine Institute, Havana, **Cuba**
- Laboratorio Nacional de Prevencion y Control del Dopaje-CONADE, Mexico DF, **Mexico**
- Antidoping Laboratory Qatar, Doha, **Qatar**
- Egyptian Antidoping Laboratory, Cairo, **Egypt**

# RESEARCH



Recognized as a **consolidated research group** (2017 SGR 81) by AGAUR (Catalonian Government)



Important research activity to contribute to the **progress of doping control** in sports, with the objective **to ensure a clean sport** and **to protect the health of the athletes** and general population.



**37** Research projects with competitive external funding and more than **200** scientific publications

# RESEARCH

Main research lines

Detection of the administration of **exogenous** (long-term metabolites) and **endogenous steroids**.

Studies on the factors affecting the **steroid profile**.

Discrimination of prohibited and allowed use of **glucocorticoids** and **β2-agonists**

Detection of the **misuse of blood transfusion** in sports.

Detection of **growth hormone** releasing peptides.

Use of **dried blood spots** in doping control



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## CONTACT DETAILS

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## ADDITIONAL INFORMATION

[www.imim.cat/antidoping](http://www.imim.cat/antidoping)

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