



**Courses**

## **Development and Application of Vaccines in Global Health**

**26 May – 5 June 2015**

**More information**  
[www.isglobal.org/education](http://www.isglobal.org/education)

**ISGlobal**  
Barcelona  
Institute for  
Global Health

  
 **Universitat de Barcelona**

**This course spans all aspects of vaccinology: from the development of a vaccine candidate capable of protecting from disease to the integration of the vaccine into national vaccination programmes. The first part of the course focuses on the immunological responses crucial for development of an effective vaccine. The second part delves into the challenges involved in clinical trials, safety monitoring, and regulatory processes necessary for vaccine development. The final sessions investigate international policy and challenges to implementing immunisation programs.**

# Development and Application of Vaccines in Global Health

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## Programme\*

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*The programme of studies for this course includes:*

- Introduction, history and current state of the art of vaccines
- How do vaccines work? Harnessing innate and adaptive immune responses
- Long term immune protection and correlates of immunity
- Technical aspects of vaccine development: The preclinical phase
- Steps in the development of a vaccine: From clinical trials to certification and production
- Making sure vaccines are safe: Monitoring adverse effects and implementing post-licensure surveillance
- From development to implementation: The HPV and meningitis stories
- Current challenges in vaccine development: HIV, tuberculosis and malaria
- Using vaccines effectively: Consequences of vaccine introduction
- International policies and financing of vaccines
- Vaccines in the community: Acceptability, safety concerns and media responsibility

\* *Subject to change*

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## Course coordinator

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- *Dr Denise Nanche*, Associate Research Professor, ISGlobal

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## Requirements

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Candidates should have a demonstrated interest in global health and/or vaccine development and implementation. Students should have an advanced level of English, which is the language of instruction for this course.

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## Assessment

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Students will be evaluated based on:

- A multiple choice examination
- Participation in class

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## Practical details

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**Location:** Faculty of Medicine, University of Barcelona  
C/ Casanova, 143, Barcelona

**Dates:** 26 May - 5 June 2015

Classes take place from 9.00 to 13.30 h.

**Language of instruction:** English

**Deadline for application:** 22 May 2015

**Deadline for tuition payment:** 25 May 2015

**Tuition fees:** 450€

**Credits:** 3 ECTS credits

Students who successfully finish the course receive a certificate of completion.

*This course is in process of accreditation by the University of Barcelona.*

**More information:** [www.isglobal.org/education](http://www.isglobal.org/education) or [formacion@isglobal.org](mailto:formacion@isglobal.org)

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## Application

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Interested candidates should send the following to [formacion@isglobal.org](mailto:formacion@isglobal.org):

- A letter of motivation and
- A C.V.

*Limited places available.*

