



Course Brochure - AdVac Brazil

1. Introduction and Rationale

As part of the initiatives of the Center of Excellence in Health Technology and Innovation (Ceti-Saúde), and with the collaboration and support of the global Advanced Course of Vaccinology (ADVAC) (<https://www.advac.org/>), in partnership with Brazilian institutions, the 1st Advanced Course in Vaccinology - **AdVac Brazil** is being structured (<https://www.advacbrasil.ufg.br>).

The course aims to promote cross-sectoral integration and strengthen critical decision-making in vaccinology, providing participants with a comprehensive overview of its various aspects. Course objectives include: expanding the participants' scientific foundation and multidisciplinary knowledge; promoting the use of innovative immunization technologies; developing leadership skills; fostering networking and experience exchange; and integrating theory and practice in designing effective solutions to real-world challenges.

With a broad approach to the various domains of vaccinology, the AdVac-Brazil program includes the essential components to translate scientific and epidemiological evidence into the development of effective vaccine and immunization policies. The course seeks to broaden participants' scientific knowledge beyond their current area of expertise, highlight the multifaceted nature of vaccinology, encourage exploration of new technologies and a more global, holistic mindset, and equip participants with unique skillsets to advance leadership in the field.

Furthermore, AdVac-Brazil offers a unique networking opportunity, allowing participants to build meaningful, lasting professional relationships. It also serves as a platform for sharing professional challenges and identifying solutions.

By learning with and alongside other AdVac-Brazil participants from diverse sectors and institutions, the course intends to contribute to the advancement of vaccinology by sharing practical insights focused on implementation - from basic scientific levels to public health scale. By gathering leading national experts in vaccinology in a collaborative environment, it becomes an excellent incubator for the development of concepts, ideas, and experience exchange.

Realização:



Fomento:



Apoio:





2. Duration, Format, and Schedule

AdVac-Brazil will follow the structure of the global course, adapted to the Brazilian context and needs. The course will be delivered in-person, with a total workload of 48 hours.

The course will be a one week immersion and in person training, and the 1st edition of AdVac Brazil will take place from November 24-28th, 2025, in Pirenópolis, Goiás - Brazil.

3. Target Audience

Health professionals and managers working in the field of vaccinology, both from the public and private sectors, as well as members of academia, scientific societies, vaccine-producing institutions, and professionals working in international and philanthropic organizations in the field of vaccinology. Each course cohort will include up to 70 participants.

4. Selection Process

Participants will be selected by the AdVac Brazil Scientific Committee. The following criteria will be considered:

- Relevant academic background;
- Professional experience in vaccinology (minimum 5 years);
- Level of responsibility in vaccine-related decision making;
- Expected impact of participating in the course on your personal and institutional trajectory.

5. Objectives

To train participants in evidence-based critical decision-making in vaccinology by providing a comprehensive and updated overview of the scientific, technical, and operational dimensions of the field.

The course aims to:

- Expand participants' scientific foundation and multidisciplinary knowledge;
- Promote the adoption of new technologies;
- Develop leadership competencies;
- Build a platform for networking and experience exchange;
- Integrate theory and practice in developing effective solutions for real-life challenges in vaccinology.

Realização:



Fomento:



Apoio:



6. Core Content

- Immunology and vaccine mechanisms of action
- Vaccine development and clinical trials
- Regulatory processes and vaccine procurement
- Evidence-based vaccine schedule updates
- Specific vaccines and development portfolios
- Vaccination strategies and policy-making
- Integration with public health programs
- Communication in vaccinology
- Funding and Financial sustainability
- Ethical considerations in immunization

7. Teaching Methodology

- Interactive lectures by invited experts
- Expert panels
- Case studies and simulations
- Hands-on workshops
- Group dynamics and guided debates
- Quizzes and other digital tools
- Updated support materials (from Ministry of Health, PAHO/WHO, scientific literature)
- Course evaluation

8. Expected General Outcomes

By the end of the course, participants are expected to have developed the following competencies:

- Apply evidence-based criteria to support immunization schedule updates;
- Identify requirements for vaccination strategies under special conditions, including eradication initiatives, neonatal vaccination, immunization of older adults, immunocompromised individuals, and people living with HIV;
- Address challenges in vaccine clinical trials (site selection, recruitment, monitoring, evaluation, and ethical concerns);
- Understand recent advancements in vaccine development and strategies;
- Evaluate all aspects of vaccine safety, including management and investigation of adverse events following immunization (AEFI), and respond to crisis situations;

Realização:



Fomento:



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- Recognize the strategic role of communication in vaccination programs and policies;
- Analyze areas for improvement in their professional practice in vaccinology.

9. Coordination Team

General Coordinator: Dr. Cristiana Toscano, General Coordinator of Ceti-Saúde, UFG

Scientific Committee:

- Kamel Senouci: University of Geneva, Global AdVac Coordinator
- Cristiana Toscano: AdVac Brazil Coordinator, General Coordinator of Ceti-Saúde, UFG
- Sheila Araújo Teles: Head of Capacity Building, Ceti-Saúde, UFG
- Elena Cristina Caride: Head of the Technical-Scientific Committee on Biologics (CTCB), Bio-Manguinhos/Fiocruz
- José Alfredo de Sousa Moreira: Medical Director of Clinical Development, Instituto Butantan
- Lely Guzman: Coordinator of the Comprehensive Immunization Program, Pan American Health Organization (PAHO), Brazil
- Jadher Pércio: General Coordinator for Pharmacovigilance, National Immunization Program (PNI), Health Surveillance and Environmental Department (SVSA), Ministry of Health
- Ana Catarina de Melo Araújo: General Coordinator for Scientific Incorporation and Immunization, PNI, SVSA, Ministry of Health, and Postdoctoral Fellow at UFG

Realização:



Fomento:



Apoio:

