



## 1. Introduction

Following the success of the first edition of AdVAC Brazil in 2025, which trained 75 professionals with expertise in vaccinology, including 70 domestic professionals and 5 international participants from Portuguese-speaking African countries, this year, AdVAC Brazil will continue its mission to promote integration across the different sectors involved in the vaccinology chain.

As part of the actions 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>) and in partnership with Brazilian institutions, the **II Advanced Course of Vaccinology - AdVAC Brazil** (<https://www.advacbrasil.ufg.br>) has been structured.

The course aims to foster integration between sectors and strengthen critical decision-making in vaccinology by providing participants with a comprehensive view of its various aspects. The course objectives include: expanding the scientific base and multidisciplinary knowledge of participants; promoting the use of new technologies in immunization; developing leadership skills; encouraging networking and the exchange of experiences; and integrating theory and practice to formulate effective solutions for real-world challenges in the field.

With a broad approach to the various areas of vaccinology, the AdVAC Brazil program includes the necessary frameworks for translating scientific and epidemiological evidence into the development of effective policies related to vaccines and immunization. The course seeks to expand participants' scientific foundations and knowledge in areas outside their current specialty, highlighting the multifaceted nature of vaccinology. This allows them to explore new technologies, think more globally and holistically, and provides them with a unique set of skills to develop their leadership in the field.

Furthermore, AdVAC Brazil represents a unique networking opportunity where participants can form valuable and sustainable professional relationships, it serves as a platform where professional problems and challenges can be shared and solutions identified.

By learning alongside peers from other fields and organizations, AdVAC Brazil's unique mission is to contribute to the advancement of vaccinology by sharing practical insights focused on implementation at both the basic scientific level and public health scale. By bringing together the country's leading experts in a favorable environment, it serves as an excellent incubator for developing concepts, ideas, and exchanging experiences.

## 2. Workload, Modality, and Period

AdVAC Brazil is structured similarly to the global course but adapted to the Brazilian reality and needs. The course will be held in person, with a total workload of **48 hours**.

Realização:



Fomento:



Apoio:





- Modality: In-person
- Period: August 9 to 15, 2026
- Location: Pirenópolis, Goiás - Brazil

### 3. Target Audience

Public health professionals and managers working in vaccinology from both the public and private sectors, as well as members of academia, scientific societies, international organizations, and vaccine-producing institutions, totaling 70 participants per class.

### 4. Selection Process

Participants will be selected by the AdVAC Brazil Scientific Committee. The following parameters will be considered during application analysis:

- Academic Background: Minimum of a specialization (postgraduate/lato sensu) or Master's degree (strictu sensu) in Health Sciences or Biological Sciences;
- Experience in Vaccinology: Minimum of 5 years;
- Responsibility Level: Involvement in decision-making related to vaccinology;
- Expected Impact: The potential impact of the course at both personal and institutional levels.

### 5. General Objective

To empower participants for critical decision-making in vaccinology through a comprehensive and updated evidence-based view of key scientific, technical, and operational topics.

The course aims to:

- Expand the scientific base and multidisciplinary knowledge of participants;
- Promote the use of new technologies;
- Develop leadership skills;
- Create a networking platform for the exchange of experiences;
- Promote the integration of theory and practice in formulating effective solutions for real challenges faced in vaccinology.

### 6. Main Content

- Immunology and vaccine mechanisms of action;
- Vaccine development and clinical trials;
- Regulatory processes and vaccine procurement;
- Evidence-based updates to vaccination schedules;
- Specific vaccines and portfolios under development;

Realização:



Fomento:



Apoio:



- Vaccination strategies and policies;
- Integration with public health programs;
- Communication in vaccinology;
- Financing and financial sustainability;
- Ethical aspects of immunization.

## 7. Teaching Methodology

- Lectures and interactive presentations - invited experts;
- Expert panels;
- Case studies and simulations;
- Practical workshops;
- Group dynamics and guided debates;
- Quizzes and other digital tools;
- Updated support materials (Ministry of Health, PAHO/WHO, scientific literature);
- Course evaluation.

## 8. General Expected Results

By the end of the course, participants should have the following general competencies:

- **Use evidence-based** criteria for decisions regarding updates to vaccination schedules in immunization programs;
- **Identify requirements** for vaccination strategies in special conditions, such as eradication efforts, and vaccination for newborns, the elderly, immunocompromised individuals, and people living with HIV;
- **Handle challenges** related to vaccine clinical trials (site selection, recruitment, monitoring, evaluation, and ethics);
- **Understand** recent advances in the development of new vaccines and vaccination strategies;
- **Evaluate** all aspects of vaccine safety, including the administration and investigation of Adverse Events Following Immunization (AEFI), and know how to manage crisis situations;
- **Understand** the strategic role of communication in vaccination programs and policies;
- **Analyze** aspects of their professional practice in vaccinology that can be improved.

## 9. Team

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

Realização:



Fomento:



Apoio:



- **Kamel Senouci:** University of Geneva (Université de Genève), Coordinator of ADVAC Global;
- **Cristiana Toscano:** Coordinator of AdVAC Brazil, General Coordinator of Ceti-Saúde, UFG;
- **Sheila Araújo Teles:** Coordinator of the Training Center at Ceti-Saúde, UFG;
- **Elena Cristina Caride:** Coordinator of the Technical-Scientific Committee for Biologicals (CTCB) at Bio-Manguinhos/Fiocruz;
- **José Alfredo de Sousa Moreira:** Medical Director of Clinical Development at Instituto Butantan;
- **Lely Guzman:** Coordinator of the Comprehensive Immunization Program, Pan American Health Organization (PAHO), Brazil;
- **Adriane Alves de Oliveira:** Specialist in Regulation and Health Surveillance at the National Health Surveillance Agency (Anvisa);
- **Ana Catarina de Melo Araújo:** General Coordinator of Scientific Incorporation and Immunization, Department of the National Immunization Program (DPNI), Secretariat of Health and Environment Surveillance (SVSA), Ministry of Health, and Postdoctoral Fellow at UFG.

## 10. Partner Institutions

- **ADVAC:** it has over two decades of experience in advanced vaccinology and represents a strategic initiative developed by the University of Geneva for scientific development and the strengthening of global public health. Learn more about ADVAC Global by visiting: <https://www.advac.org>.
- **University of Geneva (Université de Genève):** founded in 1559, it is one of Europe's most prestigious higher education institutions, recognized worldwide for academic excellence and commitment to strategic global themes. Learn more about the University of Geneva at: <https://www.unige.ch/>.
- **Pan American Health Organization (PAHO):** The primary international public health agency in the Americas and the regional office for the World Health Organization (WHO). Visit the PAHO website at: <https://www.paho.org/pt/brasil>.
- **Brazil's Ministry of Health (MS):** structural pillar of vaccinology in Brazil, ensuring universal access to vaccines and promoting technological innovation. Visit the Brazil's Ministry of Health website to learn more: <https://www.gov.br/saude/pt-br>.
- **Butantan Institute:** for over a century it has been one of the most important scientific institutions in Latin America in the field of vaccinology, immunobiologicals, and biomedical research. Learn more about Instituto Butantan at: <https://butantan.gov.br/>.

Realização:



Fomento:



Apoio:





- **Oswaldo Cruz Foundation (Fiocruz):** Plays a strategic role in Brazilian vaccinology, articulating research of national and regional impact. Through its **Institute of Technology in Immunobiologicals (Bio-Manguinhos)**, it is a key producer of vaccines for the National Immunization Program (PNI). Access the Fiocruz and Bio-Manguinhos websites via the links: <https://fiocruz.br/> and <https://fiocruz.br/unidade/instituto-de-tecnologia-em-imunobiologicos-biomanguinhos>.
- **Federal University of Goiás (UFG):** One of Brazil's most important federal universities, serving as a strategic space for knowledge production and strengthening the Unified Health System (SUS). Learn more about UFG at: <https://ufg.br/>.
- **Institute of Tropical Pathology and Public Health (IPTSP-UFG):** it is a reference center for teaching and research in infectious diseases, immunology, and public health. Access the IPTSP website to learn more: <https://iptsp.ufg.br/>.
- **Goiás State Research Support Foundation (FAPEG):** it is the main agency for promoting scientific and technological research and innovation in the State of Goiás. Learn more about FAPEG at: <https://goias.gov.br/fapeg/>.

Therefore, the convergence of these institutions - national and international, academic and governmental - grants AdVAC Brazil legitimacy, excellence, and strategic impact, consolidating it as a benchmark initiative in advanced training and scientific health development.

Realização:



Fomento:



Apoio:

