

The background of the slide is a microscopic image showing several cells. The cells are roughly spherical or oval in shape, with a lighter, granular interior and a darker, more defined outer boundary. They are scattered across the frame, with some appearing more prominent than others. The overall color palette is warm, with shades of orange and yellow.

IUIS Vaccine Committee (VAC)

Presentation IUIS council meeting, Beijing Oct 18th 2019

- **Foster** international research activities, education and know how exchange with regard to the **development of new or improved prophylactic as well as therapeutic vaccines against infectious and non-infectious diseases.**
- **Promote** international harmonization of vaccination recommendations, exchange of knowledge and translation into practise to contribute improving health literacy in the population.
- **Provide** evidence based information and messages about vaccine effectiveness and safety to conquer anti-vaccine movements and vaccine hesitancy.
- **Serve** as „consulting platform“ for public health institutions (e.g. WHO, ECDC) regarding vaccine/vaccination-related statements or questions.

Members	Position	contact
Wiedermann Ursula	Chair, steering committee member (SCM)	Ursula.wiedermann@meduniwien.ac.at
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Bali Pulendran	Member	bpulend@emory.edu
Rino Rappouli	Member	catherine.mallia@novartis.com

Application deadline 15th September 2019 **TIME TO APPLY !**

The Early Career Research Prize in Vaccinology R&D is awarded by IUIS and Vaccines Europe. The objective is to promote and foster a younger generation of scientists in the early stages of their career.

Early Career Research Prize in

3rd time that Vaccine Europe has sponsored a prize for 10.000€

2019: Low applicant number –

Prize needs more visibility and attention!!!

Other target group??

This prize of Excellence set up by **IUIS** with the contribution of **Vaccines Europe** aims to reward significant achievements in **Vaccines R&D**:

Discovery of new vaccine antigens, new vaccines design, understanding basics of immune response, new technologies to improve the future of vaccine or vaccination and that are supported by proof-of-concept data (preclinical and clinical).

Jury Members for Vaccine Prize

2017, 2018

- Joanne Flynn
- Willem Hanekom
- Jan Holmgren
- Winfried Pickl
- Bali Pulendran
- Hedda Wardemann
- Ursula Wiedermann

2019

- Isabelle Bekereditjan-Ding
- Rita Carsetti
- Joanne Flynn
- Jan Holmgren
- Ed Lavelle
- Winfried Pickl
- Hedda Wardemann
- Ursula Wiedermann
- Observer: Faith Osier and Philippe Denoel, Chair of Vaccines Europe Research Working Group

Winner of VAC Prize 2017, 2018, 2019



2017: 9 Applicants; Winner: Tineke Cantaert, PhD (Belgian), currently working *at the Institut Pasteur du Cambodge*.

2018: 16 Applicants; Winner: Christian T Mayer, PhD (Germany), Post Doc at Rockefeller University N.Y.

2019: 5 Applicants; Winner: Stanislas Goriely, MD, PhD; Belgium

Award Ceremony for 2017+2018 during JOINT SYMPOSIUM IUIS/ECI during the 5th European Congress of Immunology held in Amsterdam from September 2 – 5, 2018 “Trends in Vaccinology”

Award Ceremony for 2019 -> suggestion : during EIW 2020 Vienna (cooperation with Austrian Society of Vaccinology)



5th European Congress of Immunology held in Amsterdam from September 2 – 5, 2018 “Trends in Vaccinology”



TRENDS IN VACCINOLOGY

Bali Pulendran	Systems Vaccinology: New chances for vaccines against communicable and non-communicable diseases	13:15	13:35
Franz X. Heinz	Novel vaccines against old foes: Dengue, Zika, Ebola & Co	13:35	13:55
Ed Lavelle	New generation of adjuvants: each target group its own adjuvant?	13:55	14:15

PRIZE FOR EXCELLENCE IN VACCINES RESEARCH AND DEVELOPMENT IN EUROPE

Phillippe Denoel	Short introduction about the motivation of Vaccine Europe to sponsor the prize.	14:15	14:18
	<ul style="list-style-type: none"> Prizes to be handed over to the winners. The winner of 2017 to give a very short presentation of her work The winner of 2018 to give a very short presentation of her work 	14:23	14:30
		14:23	14:26

European Vaccination Week 2019



 CENTER FOR PATHOPHYSIOLOGY,
INFECTIOLOGY AND IMMUNOLOGY
MEDICAL UNIVERSITY OF VIENNA
Institute of Specific Prophylaxis
and Tropical Medicine


ögvak
Österr. Gesellschaft für Vakzinologie

European Immunization Week 2019

Vaccination: Social Responsibility or Mandatory Obligation?

Austria in an European Comparison: Expert experience reporting
and panel discussion

Wednesday, 24th April 2019, 11.30 am – 6.30 pm
Van Swieten Saal, Medical University of Vienna
Van-Swieten-Gasse 1a, 1090 Vienna

www.oegvak.at
www.meduniwien.ac.at

In cooperation with:



 Bundesministerium
Arbeit, Soziales, Gesundheit
und Konsumentenschutz



European Immunization Week 2019

The WHO European Region marks European Immunization Week (EIW) to promote immunization as vital to preventing diseases and protecting life. This year, on 24–30 April 2019, the campaign aims to raise awareness of the benefits of vaccines and improve all efforts to sustain or increase immunization coverage. The Austrian Society of Vaccinology together with the Medical University of Vienna (MedUni Vienna) organizes an international symposium to discuss possible strategies to improve communication to conquer fake news and anti-vac campaigns, and raises the question if obligatory vaccination can or can't help to improve vaccine coverage.

Programme

11.30 am – 12.00 pm

Registration and Welcome

Markus Müller,
Rector of the MedUni Vienna
Ursula Wiedermann-Schmidt,
MedUni Vienna, President ÖgVak, Austria

12.00 – 1.30 pm

Session 1

Chair: Heidemarie Holzmann,
MedUni Vienna, ÖgVak, Austria

Anti-Vac Landscape in Europe: pros and cons of mandatory vaccination

Claude Muller, Luxembourg Institute of
Health, Luxembourg

Improving immunization coverage: a WHO perspective

Mark Muscat, WHO Regional Office for
Europe

Germany's next steps towards better vaccination coverage

Thomas Mertens, Ständige Impfkommission (STIKO), Germany

1.30 – 2.00 pm

Buffet

2.00 – 3.00 pm

Session 2

Chair: Faith Osier, President elect
International Union of Immunological
Societies (IUIS), Kenya

Mandatory vaccination in France: rationale and first results

Daniel Levy-Bruhl, Santé publique,
France

Mandatory vaccination in Italy: acceptance or source of opposition?

Rita Carsetti, Bambino Gesù Ospedale
Pediatrico, Italy

Vaccination Policies for Healthcare Personnel in Europe: Current Standards

Helena Maltezou, Hellenic Centre for
Disease Control and Prevention, Greece

3.00 – 3.30 pm

Coffee Break

3.30 – 4.30 pm

Session 3

Chair: Ursula Wiedermann-Schmidt,
MedUni Vienna, ÖgVak, Austria

Implementation and Acceptance of the National Vaccination Program in Finland

Hanna M. Nohynek, National Institute for
Health and Welfare, Finland

How is Austria doing in its fight against vaccine preventable diseases? From the perspective of the infectious disease epidemiologist

Daniela Schmid, Österreichische Agentur
für Gesundheit und Ernährungssicherheit (AGES), Austria

Immunization Information System – a future tool to increase vaccination rates in Austria

Maria Paulke-Korinek, Federal Ministry
of Labour, Social Affairs, Health and
Consumer Protection (BMASK), Austria

4.30 – 5.30 pm

General discussion: “Findings, Conclusions and Solutions” – is there a European solution to enhance vaccination coverage rates?

(written document to be established)

5.30 – 6.30 pm

Meet and mingle with wine and cheese



EIW 2020: 20th April in Vienna *combine with*

1. VAC Prize ceremony (2019)
2. Annual VAC group meeting



EDITORIAL

Mandatory vaccination: suited to enhance vaccination coverage in Europe?

Heidemarie Holzmann¹, Ursula Wiedermann²

1. Center for Virology, Medical University of Vienna, Austria

2. Institute of Specific Prophylaxis and Tropical Medicine, Medical University of Vienna, Austria

Correspondence: Ursula Wiedermann (ursula.wiedermann@meduniwien.ac.at)

Citation style for this article:

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<https://doi.org/10.2807/1560-7917.ES.2019.24.26.1900376>

Article submitted on 12 Jun 2019 / accepted on 27 Jun 2019 / published on 27 Jun 2019

Special Research Topic: „Challenges in Vaccinology“

Guest Editors: Ursula Wiedermann, Rita Carsetti, Ed Lavelle, Winfried Pickl

(1) Vaccination and public health:

- a. **Challenges in vaccinology: from host and pathogen to systems vaccinology.**
- b. Challenges in vaccinology in developing countries.
- c. Effects of migration on vaccine preventable infectious diseases.
- d. **Communication with the public: how to conquer vaccine fatigue?**

(2) Demographic changes and vaccines:

- a. **Vaccine responses in pediatric patients, with a particular focus on neonates and premature infants.**
- b. Influence of maternal vaccine-based immunity on pediatric immune responses.
- c. Vaccination efficacy and herd immunity.
- d. **Nutritional status and vaccination efficacy.**
- e. **Vaccination in immuno-compromised patients** (e.g. bone marrow transplant recipients; patients with primary immunodeficiencies; patients with chronic inflammatory diseases and patients on immunosuppression treatment).

(3) Challenges in vaccines against emerging and re-emerging infectious diseases:

- a. **Influenza vaccines:** one vaccine for all or influenza vaccines for certain age and risk groups?
- b. Pneumococcal vaccines: serotype replacement and the development of new vaccines.
- c. Malaria vaccines: measuring success rates and determining personalized / stratified approaches for vaccination programs.
- d. **ZIKA/Chikungunya vaccines.**
- e. **Dengue vaccines.**
- f. **TB vaccines: new developments.**

(4) Challenges towards developing vaccines for non-infectious cancers:

- a. **Vaccines against allergies.**
- b. Prophylactic and therapeutic vaccines against cancer.

13 accepted abstracts

Manage topic

Submit your abstract

Submit your manuscript

01 December 2019

Current challenges in Vaccinology

Overview

Articles²Authors⁵⁴

Impact

Comments¹

1,

Submission Deadlines

About this Research Topic

Vaccines represent one of the greatest public health achievements and are one of the most effective tools of modern preventative medicine. The development of effective vaccines and of respective global immunization programs has led to a significant decline in the incidence of severe and potentially lethal infections and related deaths. It has also led to the eradication / near eradication of once lethal infectious diseases, such as smallpox and polio. Consequently, vaccination – through the control of infectious diseases – has contributed to a striking increase in life expectancy in many countries worldwide.

However, we still face several important challenges towards developing more efficacious vaccines for many diseases and for different populations. For example, optimal protection of the human population in early life (e.g. neonates) and in the elderly remains a major challenge. The reasons why the immune system is less

Topic Editors

**Ursula Wiedermann**

Medical University
of Vienna
Vienna, Austria

135 publications**Rita Carsetti**

Bambino Gesù
Children Hospital
(IRCCS)
Rome, Italy

112 publications

62 contributors, 13 accepted abstracts – deadline Manuscript 1st December



Submitted 26/06/2019

Current Progress in Particle based systems for Transdermal vaccine delivery

Jonas Pielenhofer, Julian Sohl, Mainke Windbergs, Peter Langguth, Markus Philipp Radsak

Accepted

Submitted 26/06/2019

New Vaccines against Tuberculosis

Stefan H.E. Kaufmann

Accepted

Submitted 24/06/2019

Intracellular pathogen replication heterogeneity: implications for vaccine development

Jomien Mouton, Caroline Beltran, Elmarie Myburgh, Samantha Leigh Sampson, Gerhard Walzl, Annemieke Geluk, Paul Kaye

Accepted

Submitted 20/06/2019

Intracellular pathogen replication heterogeneity: implications for vaccine development

Jomien Mouton, Caroline Beltran, Samantha Leigh Sampson, Gerhard Walzl, Elmarie Myburgh, Paul Kaye, Annemieke Geluk

Accepted

Vaccines against antimicrobial resistance

Rino Rappuoli, Roberto Rosini, Mariagrazia Pizza

Accepted

Submitted 23/07/2019

Submitted 08/10/2019

Vaccine safety communication - a three-phased model for crisis management

Katharina-Sophia Dolezal, Katrine Bach Habersaat, Mark Muscat

Accepted

Submitted 30/09/2019

Vaccines for the older population: immunological challenges and future perspectives

Birgit Weinberger, Angelika Wagner

Accepted

Submitted 01/09/2019

Vaccines for preventing infections due to encapsulated bacteria in inflammatory bowel disease

Marco Vincenzo Lenti, Caterina Mengoli, Nicola Aronico, Laura Conti, Marta Venero, Sara Cococcia, Antonio Di Sabatino

Accepted

Submitted 30/08/2019

Current efforts in the development of vaccines for the prevention of Zika and Chikungunya virus infections

Roland Tschismarov, Sabrina Schrauf, Erich Tauber, Katrin Ramsauer

Accepted

Submitted 01/08/2019

Obesity and sex affect the immune response to Tick-borne encephalitis (TBE) booster vaccination

Erika Garner-Spitzer, Eva Maria Poellabauer, Angelika Wagner, Angela Guzek, Ines Zwazl, Claudia Seidl-Friedrich, Christoph J. Binder, Karin Stiasny, Michael Kundi, Ursula Wiedermann

Accepted

Submitted 28/07/2019

The adjuvant LT-K63 enhances activation and survival of neonatal B cells, plasmablasts and plasma cells, through enhanced BAFFR and BCMA expression and increased APRIL secretion by accessory cells in bone marrow

Auður Anna Aradóttir Pind, Giuseppe Del Giudice, Ingileif Jonsdóttir, Stefanía P. Bjarnarson

Accepted

Submitted 28/07/2019

The adjuvant LT-K63 overcomes limited germinal center reaction in neonates by reducing early induction of regulatory cells

Stefanía P. Bjarnarson, Auður Anna Aradóttir Pind, Giuseppe Del Giudice, Ingileif Jonsdóttir

Accepted

Submitted 27/07/2019

IgA Antibody response to recurrent influenza vaccination in the young and elderly

Emily Frances Clutter, Rodrigo Bessa Abreu, Greg Adam Kirchenbaum, Giuseppe Andrea Sautto, Ted Milburn Ross

Accepted

Submitted 23/07/2019

Vaccines against antimicrobial resistance

Rino Rappuoli, Roberto Rosini, Mariagrazia Pizza

Accepted

Submitted 23/07/2019



Mission: to play a key role in reversing the downwards trend in childhood vaccination
By providing strong, engaging, evidence-based and collective voice in Europe

Goals:

1. To engage the general public and politicians in the benefits and importance of childhood vaccination
2. Develop a „toolkit“ to lobby and influence domestic policy and immunization service delivery
3. Develop information to societies

Telefon conference on 18th September 2019 led **by Doug Brown, British Society of Immunology;**

8 European Societies were represented

Face to face meeting planned in 2020 to concretize and specify „Mission, Aims and Goals“ of the task force

The organization and delivery of vaccination services in the European Union



A lot of ideas and initiative are going on....
How to streamline and form synergisms??

Edited by:

Bernd Rechel

Erica Richardson

Martin McKee



European
Observatory 
on Health Systems and Policies
a partnership hosted by WHO