

## IPROVE Advisory Board

Last name	First name	Organisation
Cavaleri	Marco	European Medicines Agency
Fritzell	Bernard	Consultant
Lambert	Paul-Henri	University of Geneva
Salisbury	David	Consultant

## IPROVE Affiliated Members

Last name	First name	Organisation
Autran	Brigitte	CoReVac (France)
Bousselet	Alice	AVIESAN (France)
Drury	Gerogina	Medical Research Council (United Kingdom)
Gabriele	Lucia	Istituto Superiore di Sanità (Italy)
Hoitink	Carla	Intravacc (Netherlands)

## IPROVE List of Stakeholder Consultation Workshops

Topic	Date	Place
Vaccine SME needs	15 May 2014	Brussels
Vaccine communication and hesitancy	28 October 2014	Brussels
Training needs	28 October 2014	Brussels
Vaccine R&D	12-13 March 2015	Brussels
Manufacturing and quality control	12 March 2015	Brussels
Infrastructures	13 March 2015	Brussels
Therapeutic vaccines	26 May 2015	Brussels

## IPROVE List of Stakeholders Consulted

Last name	First name	Organisation
Abastado	Jean-Pierre	Servier
Acsinte	Stefan	European Investment Bank
Adel Ali	Karam	Vaccines Europe
Andersen	Peter	Statens Serum Institute
Barocchi	Michèle	GlaxoSmithKline Vaccines
Bauchau	Vincent	GlaxoSmithKline Vaccines
Bertholet	Sylvie	GlaxoSmithKline Vaccines
Bietrix	Florence	EATRIS
Blay	Jean-Yves	Centre Léon Bérard Lyon
Bonanni	Paolo	University of Florence
Breggi	Gianluca	Sclavo Vaccines Association
Brichard	Vincent	Cardio3 Biosciences
Carroll	Miles	Public Health England
Cavaleri	Marco	European Medicines Agency
Champluvier	Benoit	GlaxoSmithKline Vaccines
Cochard	Landry	Scinnov
Corradin	Giampietro	University of Lausanne
Coulie	Bernard	ActoGeniX
Crisanti	Andrea	Microtest Dx
Das	Enny H.J.	Radbout University Nijmegen
Das	Sarada	Comité Permanent des Médecins Européens - CPME
De Azero	Magdalena	Vaccines Europe
De Gregorio	Ennio	GlaxoSmithKline Vaccines
De Magistris	Maria-Teresa	Innovative Medicine Initiative
Denoel	Philippe	GlaxoSmithKline Vaccines
Desaintes	Christian	European Commission
Didier-Laurent	Arnaud	GlaxoSmithKline Vaccines
Dobano	Carlotta	IS Global Barcelona
Dochez	Carine	Network for Education and Support in Immunisation (NESI), University of Antwerp
Dréno	Brigitte	CHU Nantes
Dubois	Patrice	University of Lausanne
Dumon-Jones	Valérie	Sanofi Pasteur
Dustdar	Shiva	European Investment Bank
Eisele	Bernd	VPM
Ensoli	Barbara	Istituto Superiore di Sanità
Finnegan	Gary	Vaccines Today

## IPROVE List of Stakeholders Consulted

Last name	First name	Organisation
Frosini	Andrea	Toscana Life Sciences
Gabriele	Lucia	Istituto Superiore di Sanità
Galbraith	Heike	Pfizer
Galli	Cristina	ISS
Garcon	Nathalie	Bioaster
Giersing	Birgitte	World Health Organization
Gilbert	Sarah	University of Oxford
Hafner	Rod	circassia
Hermanns	Angelina	Journalist
Hill	Adrian	Jenner Institute / Oxford University
Hoerr	Ingmar	Curevac
Holtzman	Douglas	Takeda
Houghton	Michael	University of Alberta
Huberty	Stéphane	Curavac
Jungbluth	Stefan	European Vaccine Initiative
Kaufmann	Stefan	Max-Planck-Institut für Infektionsbiologie
Klimathianaki	Maria	European Commission
Koeck	Jean Luis	University Bordeaux
Kostense	Stefan	Janssen Infectious Diseases and Vaccines
Kramer	Rainer	Immatics
Kubiak	Christine	European Clinical Res. Infrastructure Network
Lambert	Paul-Henri	University of Geneva
Lang	Jean	Sanofi Pasteur
Lanzavecchia	Antonio	Università Svizzera Italiana
Leroy	Odile	European Vaccine Initiative
Londono-Hayes	Patricia	Sanofi Pasteur
Lubenau	Heinz	Vaximm
Margarida	Ribeiro	European Commission
Matthiesen	Line	EC DG R&I
Medaglini	Donata	Sclavo Vaccines Association
Melief	Cornelis	ISA Pharmaceuticals
Mordini	Emilio	Center for Science Society and Citizenship
Muhs	Andreas	AC Immune
Mukhopadhyay	Tarit	University College London
Mura	Manuela	European Medicines Agency
Neels	Peter	Independent consultant
Nelles	Mattia	Iversity

## IPROVE List of Stakeholders Consulted

Last name	First name	Organisation
Nohynek	Hanna	National Institute for Health and Welfare THL
Nurm	Ülla-Karin	European Centre for Disease Prevention and Control (ECDC)
Odulegh-Kolev	Asya	WHO Geneva
Ottenhoff	Tom	University of Leiden
Pantaleo	Giuseppe	University of Lausanne
Parrish-Sprowl	John	Global Health Communication Center - Indianapolis
Paul	Stéphane	University Jean Monnet
Peakman	Mark	Kings College London
Pfleiderer	Micheal	Paul Erlich Institute
Pizza	Mariagrazia	GSK Vaccines
Pozzi	Gianni	Microbiotec
Pride	Michael	Pfizer Inc.
Protzer	Ulriche	Technische Universität München
Quémeneur	Eric	Transgene
Rath	Barbara	Charité University Medical Center Berlin
Ballou	Ripley	GlaxoSmithKline Vaccines
Robin	J Shattock	Imperial College London
Roep	Bart	Leids Universitair Medisch Centrum
Romero	Pedro	Ludwig Centre for Cancer
Ron	Eliora	MIGAL
Sack	Markus	Fraunhofer IME
Sagaert	Caroline	GlaxoSmithKline Vaccines
Saul	Allan	GlaxoSmithKline Vaccines
Schuler	Gerold	University Erlangen
See	Wolf	European Medicines Research Training Network (EMTRAIN)
Shattock	Robin	Imperial College London
Singh	Mahavir	Lionex
Spiegel	Holger	Fraunhofer Institute for Molecular Biology and Applied Ecology
Stockhofe	Norbert	Central Veterinary Institute
Suggs	Suzanne	Institute for Public Communication (ICP), Faculty of Communication Sciences, University of Lugano
Sulzner	Michael	European Commission - DG Health & consumers (SANCO) - Unit C3
Sundseth	Hildrun	European Institute of Women's Health
Tainijoki-Seyer	Julia	World Medical Association - WMA
Tanchot	Corinne	Inserm
Tartour	Eric	INSERM - Hospital Pitié-Salpêtrière
Tully	Rosemarie	Sigmoid Pharma

## Participants

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Last name	First name	Organisation
Vaillant	Renaud	Theravectys
Van Damme	Pierre	University of Antwerp
Vandepapeliere	Pierre	ImCyse
Vassilev	Ventzi	GlaxoSmithKline Vaccines
Verrier	Bernard	Adjuvantis
Voeten	Helene	Erasmus MC, University Medical Center Rotterdam - E-com@eu
Von Gabain	Alexander	EIT
Watson	Mike	Sanofi Pasteur
Wess	Günther	Technische Universität München
Wittelsberger	Angela	Innovative Medicine Initiative

## Table of figures

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**Figure 1:** Number of Vaccine Clinical Trials 2000 – 2009; Source: clinicaltrials.gov

**Figure 2:** Number of Vaccines Clinical Trials 2010 – 2015; Source: clinicaltrials.gov

**Figure 3:** Safety and efficacy of replicating and non-replicating vaccine approaches (<http://www.iavireport.org/>)

**Figure 4:** Therapeutic Vaccines Trials conducted between 2010 and 2015; Source: clinicaltrials.gov

**Figure 5:** VC targeting vaccines; Source: courtesy of Dr. Michael Watson, Sanofi Pasteur

**Figure 6:** PharmaDeals - Vaccine deal trends 2000 – 2015