



Project summary:

HIV-1 is responsible for a global pandemic of 35 million people, and continues to spread at a rate of >2 million new infections/year. It is widely acknowledged that a protective vaccine would be the most effective means to reduce HIV-1 spread and ultimately eliminate the pandemic, while a therapeutic vaccine may help mitigate the clinical course of disease and lead to strategies of viral eradication. However despite 30 years of research, we do not have a vaccine capable of protecting from HIV-1 infection or impacting on disease progression. This in part represents the challenge of identifying immunogens and vaccine modalities with reduced risk of failure in late stage development. To overcome this bottleneck some of the most competitive research groups in vaccine discovery from European public institutions and biotechs from 9 EU countries together with top Australian and Canadian groups and US collaborators, have agreed to join forces in EAVI, providing a pool of international expertise at the highest level. EAVI2020 will provide a platform for the discovery and selection of several new, diverse and novel preventive and/or therapeutic vaccine candidates for HIV/AIDS. Emphasis will be placed on early rapid, iterative, human vaccine studies to select and refine the best vaccine candidates for advanced development, and will determine the impact of host factors such as gender and genetics on vaccine induced immunity. Pre-clinical models will be used to complement human studies, and to select novel immunization technologies to be advanced to the clinic. To shift the “risk curve” in product development we will develop innovative risk prediction methods, specifically designed to reduce the risk associated with late stage preventive or therapeutic vaccine failure, increasing the chance of discovery of an effective vaccine.

About the Ludwig Boltzmann Institute for Cancer Research (LBI-CR):

The LBI-CR focuses on developing new murine models for cancer and exploiting them to gain novel insights into the origins of the disease. The institute conducts cutting edge research into the underlying mechanisms of cancer using the modern power of genetics. With particular attention for signal cooperation in tumour cells the researchers analyse the molecular basis of cancer with the intention to translate recent progress in cancer research into novel therapeutic approaches. The Institute conducts its research in close cooperation with the Research Institute for Molecular Pathology, Medical University Vienna, Veterinary University, Children’s Cancer Research Institute and the company Tissuegnostics.

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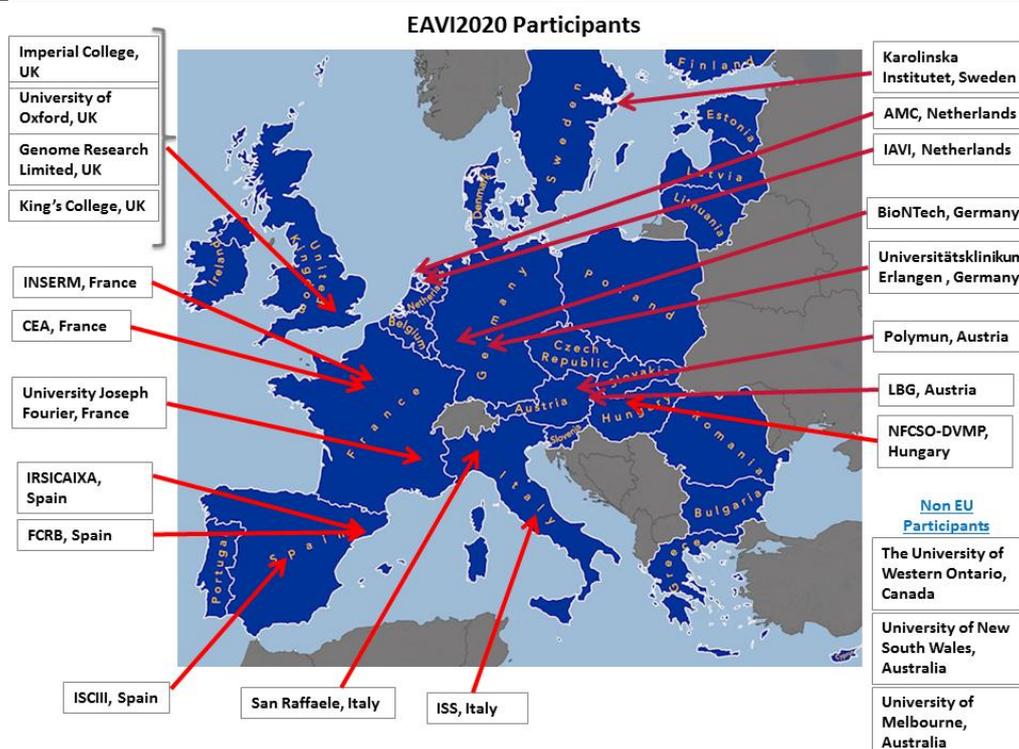
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List of partners

No	Name	Country
1	Imperial College, London	United Kingdom
2	University of Oxford	United Kingdom
3	Institut National de Santé et de Recherche Médicale	France
4	Fundació Privada Institut de Recerca de la Sida-Caixa	Spain
5	Istituto Superiore di Sanita	Italy
6	Polymun Scientific Immunobiologische Forcshung GmbH	Austria
7	Fundació Privada Clínic per a la Recerca Biomèdica	Spain
8	Academisch Medisch Centrum	Netherlands
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12	King's College London	United Kingdom
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14	Universitätsklinikum Erlangen	Germany
15	The University of Western Ontario	Canada
16	Nemzeti Elelmszerlanc-biztonsagi Hivatal	Hungary
17	Ludwig Boltzmann Institute for Cancer Research	Austria
18	BioNTech RNA Pharmaceuticals	Germany
19	Instituto de Salud Carlos III	Spain
20	Stitching International AIDS Vaccine Initiative	Netherlands
21	University of Melbourne	Australia
22	University of New South Wales	Australia
23	Genome Research Limited (Sanger Institute)	United Kingdom



EAVI2020 Non-EU participants

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