Resource Summary Report

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Advanced Immunization Technologies

RRID:SCR_003741
Type: Tool

Proper Citation

Advanced Immunization Technologies (RRID:SCR_003741)

Resource Information

URL: http://www.aditecproject.eu/

Proper Citation: Advanced Immunization Technologies (RRID:SCR_003741)

Description: A consortium that aims to accelerate the development of immunization technologies for the next generation of human vaccines. The goals are to characterize the mode of action and conduct comparative effectiveness studies of: adjuvants, vectors, formulations, delivery devices, routes of immunization, homologous and heterologous primeboost schedules, on vaccine efficacy. As part of these clinical trials, the consortium will also investigate the impact of host factors such as age, gender, genetics and pathologies. The consortium hopes to use insights gained from their projects to advance the development of next-generation vaccines, using tools such as standardized animal models to select promising immunization technologies. The intended outcome of this partnership is to improve the vaccine development process by advancing: basic research, new technology development, and clinical trial methods. Scientific objectives: # Development of adjuvants, vectors, formulations, and delivery devices # Selection of candidates, routes of immunization, and prime-boost combinations in animal models # Assessment of the impact of host factors in response to vaccination # Development of concepts and tools from human immunization # Development of concepts and tools to address regulatory and ethical issues posed by novel immunization technologies # Creation of an internationally recognized training program for translational immunology and vaccinology. Data is shared across the research partners within and between the different workstreams. Additionally, the consortium has plans to create a clinical database that combines phenotypic and clinical information to study the immune response to influenza vaccination at a population level, in an effort to advance studies into the effects of genetic background, gender, and disease on vaccine response.

Abbreviations: ADITEC

Synonyms: Advanced Immunization Technologies (ADITEC)

Resource Type: consortium, data or information resource, organization portal, portal

Keywords: drug, consortium, drug development, biomarker, vaccine, immunization, vaccine technology, adjuvant, vector, route, device, prime-boost, host factor, system biology, technology, animal model, human immunology, immunology, phenotype, clinical, clinical trial, public health

Funding: European Union FP7 280873

Resource Name: Advanced Immunization Technologies

Resource ID: SCR_003741

Alternate IDs: nlx_157968

Record Creation Time: 20220129T080220+0000

Record Last Update: 20260905T132507+0000

Ratings and Alerts

No rating or validation information has been found for Advanced Immunization Technologies.

No alerts have been found for Advanced Immunization Technologies.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Medaglini D, et al. (2020) Editorial: Advanced Immunization Technologies for Next Generation Vaccines. Frontiers in immunology, 11, 878.

Kennedy RB, et al. (2020) Current Challenges in Vaccinology. Frontiers in immunology, 11, 1181.

Navarro-Torn?? A, et al. (2019) Public Health-Driven Research and Innovation for Next-Generation Influenza Vaccines, European Union. Emerging infectious diseases, 25(2).

Muturi-Kioi V, et al. (2016) Neutropenia as an Adverse Event following Vaccination: Results from Randomized Clinical Trials in Healthy Adults and Systematic Review. PloS one, 11(8), e0157385.

Dey A, et al. (2016) Human Circulating Antibody-Producing B Cell as a Predictive Measure of Mucosal Immunity to Poliovirus. PloS one, 11(1), e0146010.

Kupz A, et al. (2016) A Mouse Model of Latent Tuberculosis Infection to Study Intervention Strategies to Prevent Reactivation. PloS one, 11(7), e0158849.

Boianelli A, et al. (2015) A Stochastic Model for CD4+ T Cell Proliferation and Dissemination Network in Primary Immune Response. PloS one, 10(8), e0135787.

Lewis DJ, et al. (2015) Application of "Systems Vaccinology" to Evaluate Inflammation and Reactogenicity of Adjuvanted Preventative Vaccines. Journal of immunology research, 2015, 909406.