



TRANSVAC2: Improving and accelerating vaccine development in Europe

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European Vaccine Initiative

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Horizon 2020
European Union funding
for Research & Innovation



European Vaccine
Research &
Development
Infrastructure

EU-funded Infrastructure Project:
28 partners | 9 countries | 5 years



CONCE

European Vaccine Research & Development Infrastructure

Provide to the vaccine R&D community:

- State-of-the-art scientific ~~technical~~ vaccine development services
- Technical training
- Innovative vaccine research and development (R&D)



AIM

European Vaccine Research & Development Infrastructure

TRANSVAC aims to accelerate vaccine development by enhancing European vaccine research and training, and increase sustainability of vaccine projects by implementing a permanent research infrastructure for early vaccine

PARTNERS



Public Health
England



STATENS
SERUM
INSTITUT



WAGENINGEN
UNIVERSITY & RESEARCH



Universiteit
Leiden



Biomedical Primate
Research Centre



Leiden University
Medical Center



Fraunhofer
IME



HELMHOLTZ
CENTRE FOR
INFECTION RESEARCH



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



UNIVERSITÀ
DI SIENA
1240



eatris

European infrastructure
for translational medicine

erinha

European Research Infrastructure
on Highly Pathogenic Agents

Vaccine Formulation
Institute



iBET
Instituto de Biología
Experimental e Tecnológica



GenIbet
Biopharmaceuticals



INRA
SCIENCE & IMPACT



TRANSVAC2: New Vaccines Faster...



Support innovation and development of human and veterinary, prophylactic and therapeutic vaccines



Accelerate vaccine development by developing & applying cutting-edge technologies



Offer training courses to provide fundamental and advanced knowledge in vaccinology



Develop a sustainable vaccine infrastructure accelerating vaccine R&D

TRANSVAC2: Activities



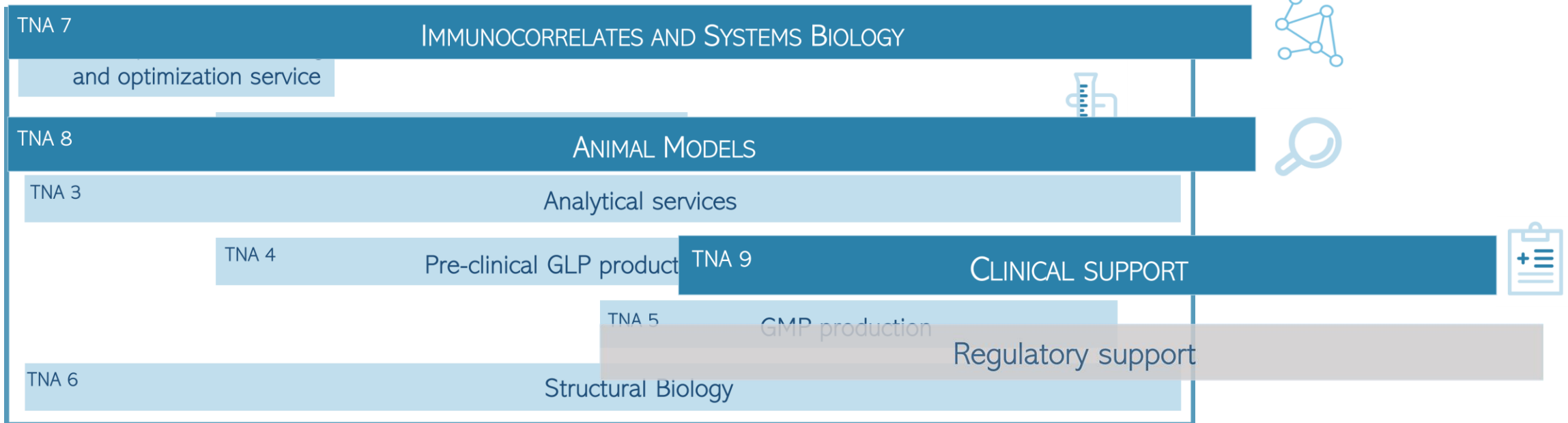
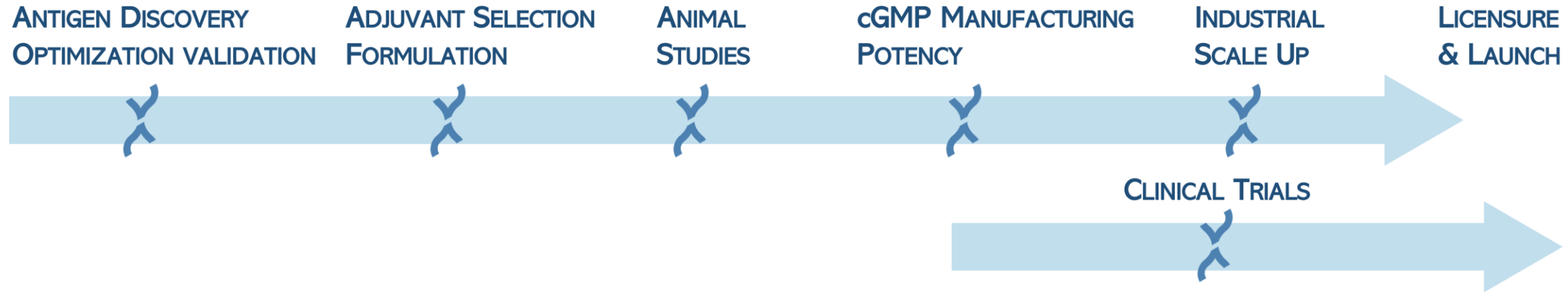
TRANSVAC2: Trans-National Access (TNA)

- Supports **preclinical** and **clinical vaccine** development
- Services and expertise provided by **TRANSVAC2 partners**
- **Free**-of-charge (with few exceptions)
- Services from few **weeks** to several **months**
- Services organised in Four Platforms:

Technology | Immunocorrelates & Systems Biology | Animal Models | Clinical
Support



TRANSVAC2: TNA Services, across the R&D



TRANSVAC2: How can apply?

- Public institutions, SMEs & industry
- Majority of Users **MUST** work in an institution established in **an EU Member State or Associated State**
- **20%** of Users of a specific service can be of **non-EU countries Associated to Horizon 2020**
- Users **MUST** work in a **different country than the TRANSVAC Service provider**
- Users **MUST openly disseminate** the results generated with the support of TRANSVAC2.
 - >>> Applicants are encouraged to follow an integrated approach by applying for

TRANSVAC2: Synergies



European Research Infrastructure
on Highly Pathogenic Agents

- Concerted Dissemination
- Joint calls (ERINHA)
- Joint workshops and trainings
- Sample sharing: [check TRANSVAC website](#)

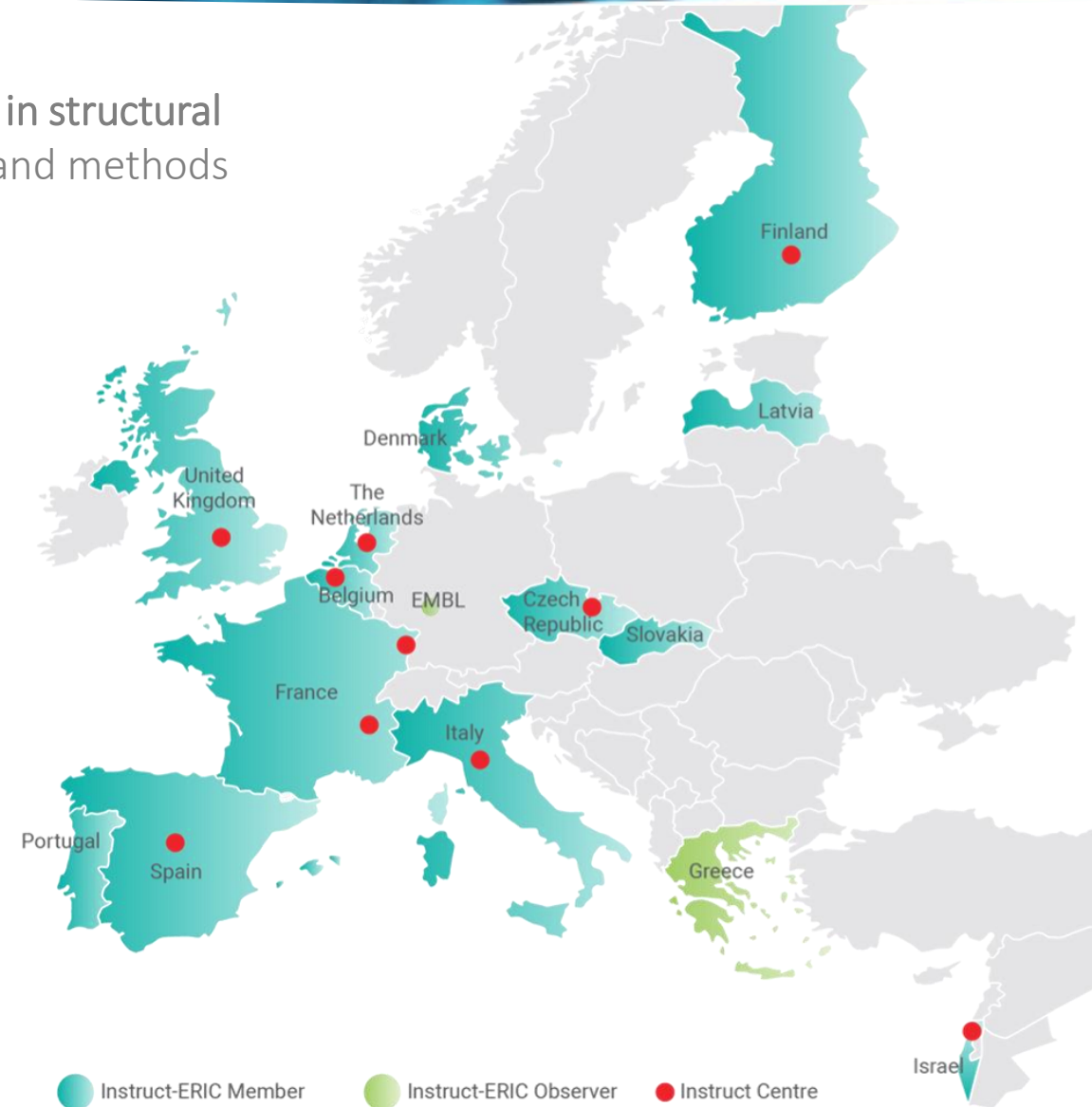
TRANSVAC2: Instruct



A pan-European research infrastructure in structural biology, making high-end technologies and methods available to scientists

Instruct-ERIC is a distributed infrastructure of centres of excellence open to external users with access to state-of-the-art structural biology **technologies, expertise** and **training**

- 14 Members
- 10 Centres
- 1 Observer



Instruct-ERIC in TRANSVAC2: Access to Structural Biology platform

Instruct-ERIC provides access to high-end structural biology **expertise** and the **technology** for **structural biology studies** that have a key role in vaccinology:



- NMR spectroscopy
- Cryo-Electron microscopy
- X-Ray methods
- Nabody Production
- X-Chem fragment screening

Academic scientists from Instruct-ERIC member countries are eligible for funding for access to Instruct-ERIC services provided within TRANSVAC project.

TRANSVAC2: TRAINING

M1

Clinical vaccine development and biomanufacturing

M2

Human and Veterinary vaccine development

M3

Adjuvants and Vaccine Formulation

M4

Validity and comparison of animal models

M5

Statistics for Vaccine Evaluation

M6

Cytometry by time-of-flight (CyTOF)

M7

Flow cytometry

M8

In vivo Imaging

M9

Process Development and scale-up of viral vaccines

M10

Assay Development and Validation (SPR Technologies)

M11

Process development and scale-up of recombinant

M12

Requirements for GMP production

M13

Systems biology of vaccinology

M14

Regulatory aspects of vaccine development



TRANSVAC2: New vaccines faster

TRANSVAC2's comprehensive approach catalyses optimization, sustainability and harmonization of the vaccine development workflow by driving Europe's capacity in vaccinology (trainings) and providing high-value scientific and technical support services (TNA).



“ TRANSVAC2, supporting the present and transforming the future of vaccine R&D landscape in Europe, while creating global (health) impact. ”

TRANSVAC2: OPEN CALL

A banner for the TRANSVAC2 Open Call. The top section features a blue background with a DNA double helix and a stylized 'X' logo. Below this, the banner is divided into two columns. The left column is titled 'Training Modules' and lists two modules: 'M13 Systems Biology of Vaccinology' and 'M14 Regulatory aspects of vaccine development'. The right column is titled 'Vaccine Development Services' and describes the project's offerings. At the bottom, a large 'Apply Now!' button is centered. The banner has a blue and white striped border at the top and bottom.

TRANSVAC **OPEN CALLS**

Training Modules

M13 Systems Biology of Vaccinology
June 25- 26th, 2020 at University of Siena, IT

M14 Regulatory aspects of vaccine development
June 11- 12th, 2020 at EATRIS, NL

Vaccine Development Services

TRANSVAC2 project offers high-quality technical services to support the development of prophylactic and therapeutic vaccines for both human and animal use.

Apply Now!



Thank you

Find out more at transvac.org

Contact us transvacinfo@euvaccine.eu

Follow European Vaccine Initiative



Horizon 2020
European Union funding
for Research & Innovation

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