



BioNet Vaccine Manufacturing Plant and R&D Centre

Fully-Integrated Vaccine Company

Present at Side Meeting PMAC
Thailand Jan 29-2020

BioNet-Asia

Focus on Discovery and Supply of Life-Saving Vaccines

About BioNet

BioNet is a vaccine company focusing on the discovery and supply of life-saving vaccines, and access to technologies through **biotech** innovation and partnering networks.

BioNet is also manufacturing novel recombinant vaccines issued from its own product development.

Vision

Our vision is to become a leading vaccine company sharing biotech innovation and partnering networks to enable access to life-saving vaccines anywhere in the world.

Mission

"A world free of any preventable disease is our dream. To make this dream come true is our mission."



International Executive Team

An Extensive Experience and Vaccine Knowledge



Dr. Jean Petre (Belgium)
Co-founder



Mr. Vitoon Vonghangool (Thailand)
President and co-founder



Dr. Pham Hong Thai (France)
CEO and co-founder



Nadir Harjee
Technical Advisor



Jacques Francois Martin
Strategic Advisor



Dario Cresci
Production Advisor



Bruno Alfonsi
Director, Market Access



Jane Spiegel
Director, Regulatory Affairs



Souad Mansouri
Acting Director, Clinical Dev.



Laurent Dapremont
Director, Strategic Bus. Dev.



Scientific Advisory Board

International Vaccine Experts Trusting Thai Vaccine Innovation



Emeritus Prof. Stanley Plotkin (USA)

Chairman of the Scientific Advisory Board

- Emeritus Professor of Wistar Institute and University of Pennsylvania
- Principal, Vaxconsult



Prof. Claire-Anne Siegrist (Switzerland)

- Director of the Center of Vaccinology of the University Hospitals of Geneva
- Head of the WHO Collaborating Center for Vaccine Immunology



Prof. Nicole Guiso (France)

- Former Research Unit Head at the Institut Pasteur, Paris
- Former Director of the French National Center of Reference for Pertussis



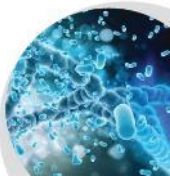
Prof. Adam Finn (UK)

- Professor of Paediatrics, University of Bristol
- President of the European Society for Paediatric Infectious Diseases (ESPID)



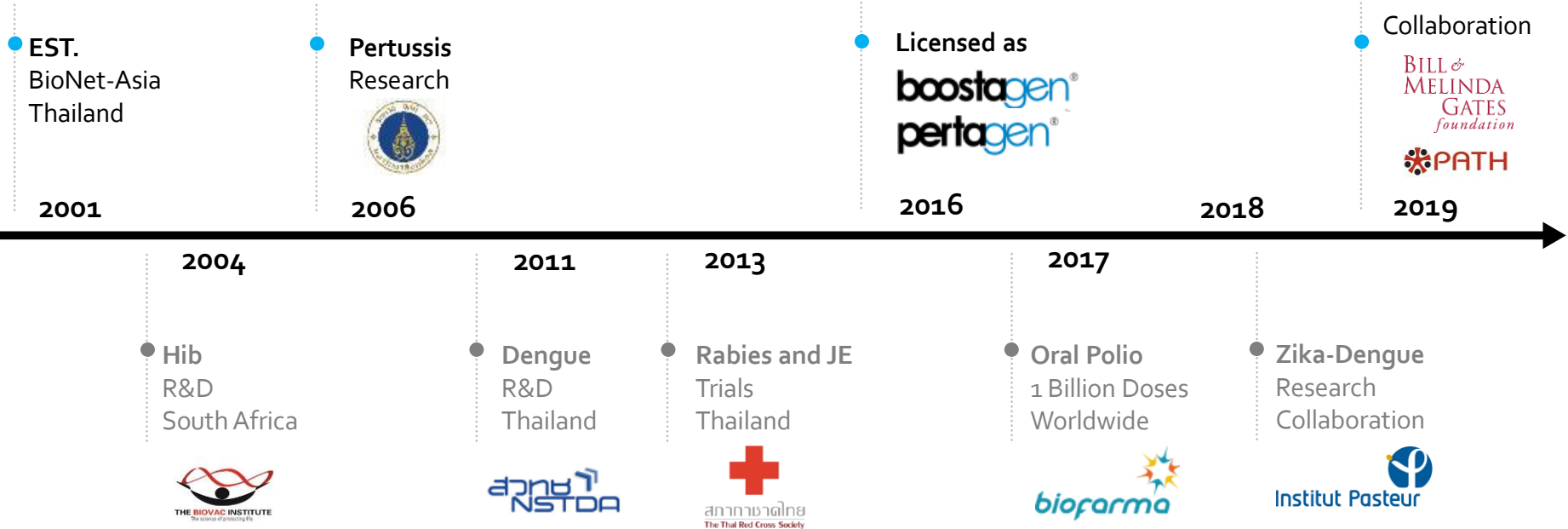
Prof. Kathryn M. Edwards (USA)

- Professor of Paediatrics, School of Medicine, Vanderbilt University
- Scientific Director of Vanderbilt Vaccine Research Program



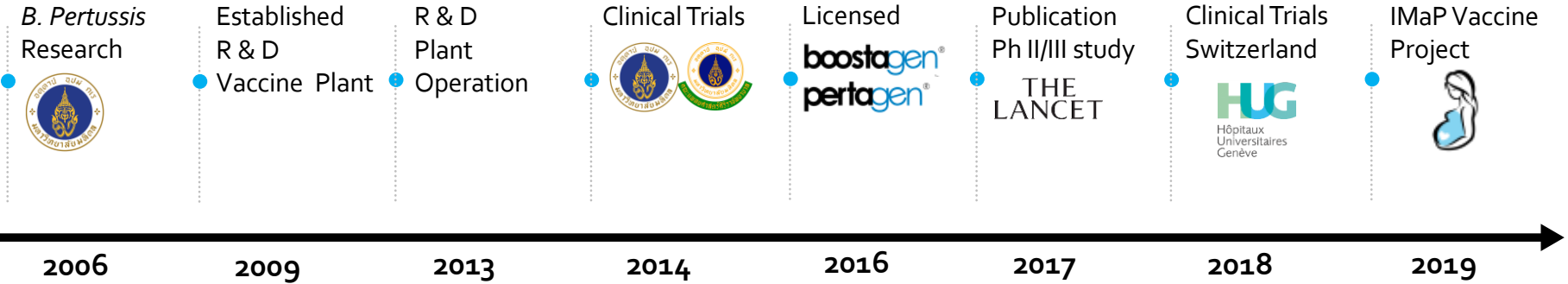
BioNet-Asia

Discovery and Supply of Life-Saving Vaccines Since 2001



BioNet Recombinant Pertussis Vaccine

Translational Research from Project to Product



Scientific Publications and Patents

Proprietary Recombinant DNA Technology

2012

Bordetella pertussis
Strain expressing PTgen

Buasi et al. BMC Microbiology 2012, 12:61
<http://www.biomedcentral.com/1471-2180/12/61>



RESEARCH ARTICLE

Open Access

Construction of *Bordetella pertussis* strains with enhanced production of genetically-inactivated Pertussis Toxin and Pertactin by unmarked allelic exchange

Wasin Buasi¹, Attawut Impoolsup¹, Chuenchit Boonchird¹, Anocha Luengchaichawang², Pannipa Prompiiboon², Jean Petre^{3*} and Watanalai Panbangred^{1,3*}

2015



2016



2017



Network of Partnerships

With Public and Privates Organizations

BioNet collaborates with first class biopharmaceutical companies, vaccine manufacturers, public institutes and universities.

Thai partners

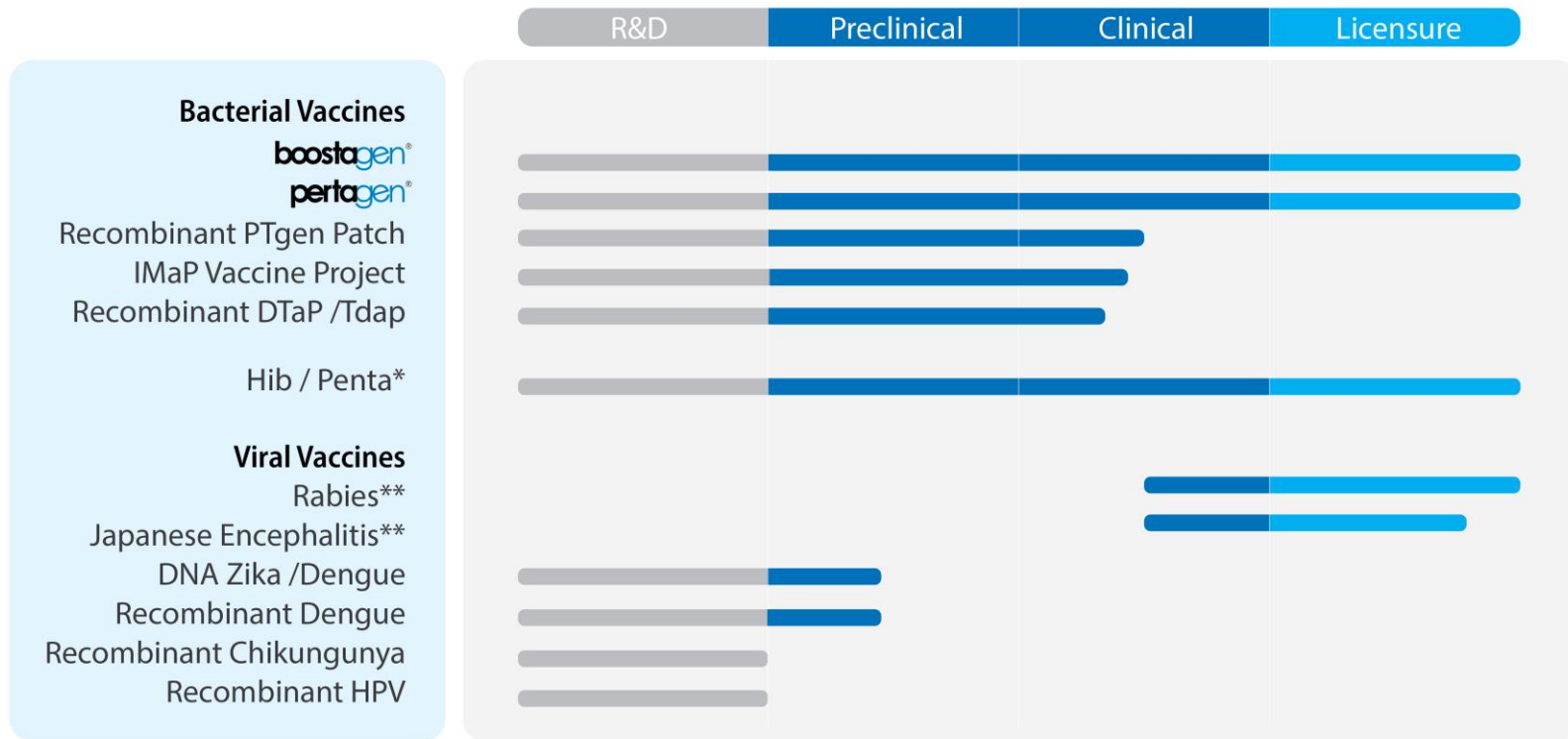


International partners



R&D Pipeline

Expertise in Recombinant DNA Technology



* Technology Transfer
 ** Production partnership



State-of-the-Art Manufacturing Plant and R&D Centre

Committed to Quality and Excellence

Bacterial Vaccine Pilot Plant

2009



Viral Vaccine R&D Centre

2012



QC Labs

2013



Primary and Secondary Manufacturing Plant
Animal House

2015



จังหวัดพระนครศรีอยุธยา
ขอเชิญไปรับ
มาตรฐานป้องกันและแก้ไขปัญหาสุขภาพผลิตภัณฑ์ยา



Fully- Self Funding Integrated Vaccine Company

World's Only Manufacturer of Recombinant Pertussis Vaccines

Production facilities in compliance with WHO and PIC/S GMP



First plant in Thailand with prefilled syringe line



Operation Team in Ayutthaya Facility

A Fully Operational Manufacturing Company



- R&D
- Production
- QC
- QA
- Regulatory Affairs
- Clinical Development
- Health, Safety & Environment
- Project Management
- Supply Chain
- Engineering
- Industrial Project & IT
- HR & Admin



Expertise in Vaccine Supply and Distribution



Manufacturing

- Pertagen®
- Boostagen®

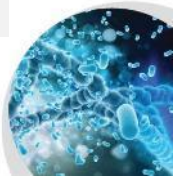


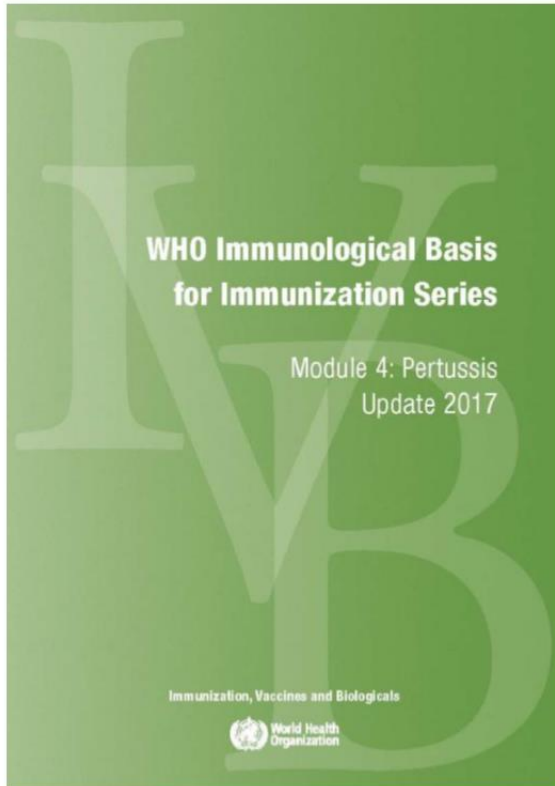
Import & Export

- OPV
- Equirab
- DTP
- BioTT
- TT10
- Healive



Certified logistic and supply chain with international standard from both Thai FDA & SGS on GSDP





“Most aP vaccines are combined with other antigens in combination vaccines, and **no monovalent aP vaccine is available in the Americas or the European Union (EU).**”

A licensed monovalent aP vaccine for booster immunizations is available in Thailand.”

Module 4: Pertussis Update 2017
WHO Immunological Basis for Immunization Series



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BioNet
sharing vaccine expertise