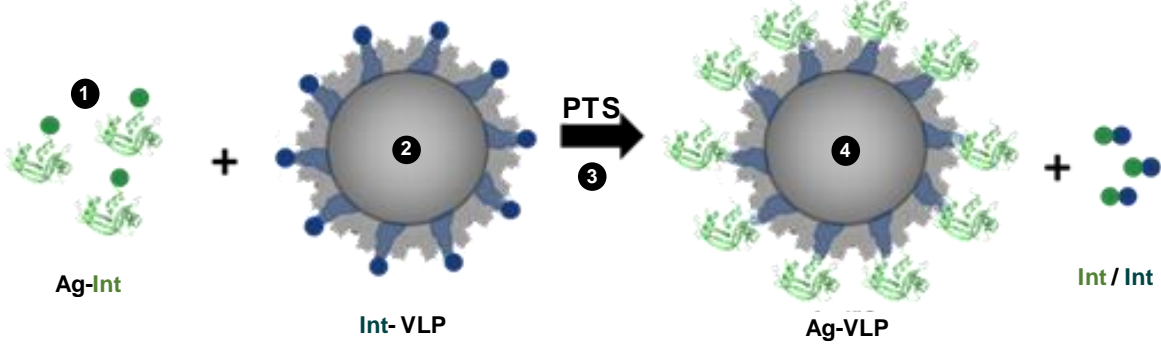


CLICK-VLP

Split-intein mediated VLPs surface functionalization



- 1 Antigen (Ag) in fusion with one intein moiety is produced recombinantly in the host of choice
- 2 VLP in fusion with the other intein moiety is produced recombinantly in the appropriate host
- 3 Protein trans-splicing (PTS) occurs when inteins interact
- 4 VLP surface is covalently decorated with Ag

Split –intein mediated ANTIGEN DISPLAY

OVERCOMES

limitations in classical VLPs production



Business Model

- Technology evaluation agreement
- Joint development agreement
- R&D license
- Commercial license



Intellectual property

- SPLITTERA technology
- Fully owned and patented (WO2013/045632)



Universal

- Conjugation to **antigens of any size produced in common expression hosts**



One VLP to rule them all

- **Multi-antigenic** VLPs, up to 4 different antigens
- Conjugation under **physiological conditions**
- Application as **vaccine platform**



Homogeneity

- **Site-specific, covalent** conjugation for optimal **orientation** of antigens
- Antigens maintain **native conformation**



Fast and simple

- **Standard manufacturing**, no need for complex downstream setup for each VLP-Ag
- **Fast, high reaction yield, 100% specificity**



Additional features

Mild conjugation reaction, broad range of pH, temperature, accepts detergents and urea