

Expres²ion Biotech Holding AB
News Release, 2017-02-16

Expres²ion's Chief Scientific Officer, Dr. Wian de Jongh, to Speak at ISBiotech 7th Spring Meeting in Washington D.C. – March 6-8

Horsholm, Denmark, February 16, 2017 – Today, Expres²ion Biotechnologies ApS (“Expres²ion”), a fully owned subsidiary of Expres²ion Biotech Holding AB, announces that its Chief Scientific Officer, Dr. Willem Adriaan (“Wian”) de Jongh, is speaking at the ISBiotech 7th Spring Meeting in Washington D.C., USA, on March 6th, 2017, presenting under the headline “Development of Malaria Sub-Unit Vaccines Using the Non-Viral *Drosophila* S2 Insect Cell Expression System”.

Abstract

Drosophila S2 insect cell expression is less known than the extensively used *Spodoptera* (Sf9/Sf21) or *Trichoplusia ni* (Hi-5) insect cell based baculovirus expression system (BEVS). Nevertheless, it has been used in research for almost 40 years. The cell line was derived from late stage *Drosophila melanogaster* (fruit fly) embryos by Schneider in the 1970s, who named the cell line *Drosophila* Schneider line 2 (synonyms: S2, SL2, D.mel. 2). The S2 expression system has been used for antigen manufacture up to and including Phase II clinical trials, and was used, among others, for production of Dengue antigens tested in a Phase I clinical trial by Merck Inc.

Expres²ion has developed S2-based production processes for two malaria vaccine clinical trials with The Jenner Institute, Oxford University (Rh5, blood-stage malaria) and Copenhagen University (VAR2CSA, pregnancy-associated malaria). The pregnancy-associated malaria vaccine is currently in a Phase Ia trial in Germany, and will be followed by a Phase Ib trial in Benin. The blood-stage malaria vaccine has recently completed cGMP manufacture and the Phase I/IIa trial started in October 2016. Furthermore, transmission blocking malaria vaccine candidates (Pfs25, Pfs48/45, Pfs230C) are also under development. Antigen expression screening, process development, and GMP manufacture for these malaria programs will be discussed.

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About Expres²ion

Expres²ion Biotechnologies ApS, is a fully owned Danish subsidiary of Expres²ion Biotech Holding AB with company register number 559033-3729. The subsidiary has developed a unique platform technology, Expres², enabling cost effective development and robust production of complex proteins for new vaccines and diagnostics for e.g. Malaria and Zika. Since founded in 2010, the company has used its patented Expres² platform to produce more than 200 proteins in collaborations with research institutions and biopharmaceutical companies, with a superior efficiency and success rate.