

April 28, 2023

CTSCB wins Silver Medal in the 48th International Exhibition of Inventions of Geneva

Congratulations! Representing CTSCB, Prof. Fang Liu, Senior Scientific Director and Dr. Degong Ruan, Platform Leader, won a Silver Medal for the novel stem cell-based platform for antiviral discovery, vaccine and healthy natural products in the 48th International Exhibition of Inventions of Geneva.

Leading by Prof. Pengtao Liu, Managing Director of CTSCB, the human Expanded Potential Stem Cells (hEPSCs) developed for anti-virus drug development help to generate trophoblast stem cells (TSCs) and syncytiotrophoblasts (STBs), which express high levels of SARS-CoV-2 host factors and are highly susceptible to the viral infection. Remarkably, the infected eSTBs are 1,000 times more sensitive to antiviral drugs, making the TSC-STB platform a more ideal human cell source for viral production and performing antiviral discovery, including SARS-CoV-2, MERS, their variants, and the FDA approved anti-virus drugs and natural products.

