

## Instem provided experimental support for ‘Tapestry’ development for Covid 19 testing

Dr. Dasaradhi Palakodeti and his laboratory at Institute for Stem Cell Science and Regenerative Medicine (inStem) have contributed experimental support to an algorithm called ‘Tapestry’ developed by scientists at Indian Institute of Technology (IIT), Bombay and NCBS-TIFR Bangalore. The algorithm ‘Tapestry’ is an attempt to explore economical and scalable ways to test more people during epidemics such as the ongoing COVID-19 pandemic, which has strained testing capabilities worldwide.

Tapestry a novel quantitative non-adaptive pooling scheme to test many samples using only a few tests. The underlying molecular diagnostic test is any real-time RT-PCR diagnostic panel approved for the detection of the SARS-CoV-2 virus. This algorithm may help in improving the COVID-19 testing capabilities worldwide.

**Source:** <https://www.medrxiv.org/content/10.1101/2020.04.23.20077727v2>