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**The stem cell-derived biofactors fight against coronavirus infection**

stem-cell secretomes and COVID-19

### Abstract

Despite various treatment protocols and newly recognized therapeutics, there are no effective treatment approaches against coronavirus disease. New therapeutic strategies including the use of stem cells-derived secretome as a cell-free therapy have been recommended for patients with a critical illness. The pro-regenerative, pro-angiogenic, anti-inflammatory, anti-apoptotic, immunomodulatory, and trophic properties of stem cells-derived secretome, extracellular vesicles (EVs), and bioactive factors has turned them into suitable candidates for respiratory tract regeneration in COVID-19 patients.

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## Dr. Brigitte Gomperts | The Stem Cellar



