

Pubblicazioni inerenti il progetto finanziato:

- Scarpa F, Sanna D, Azzena I, Giovanetti M, Benvenuto D, Angeletti S, Ceccarelli G, Pascarella S, Casu M, Fiori PL, Ciccozzi M. On the SARS-CoV-2 BA.2.75 variant: A genetic and structural point of view. *J Med Virol.* 2022 Sep 4;10.1002/jmv.28119. doi: 10.1002/jmv.28119. Epub ahead of print. PMID: 36059082; PMCID: PMC9538365.
- Pascarella S, Ciccozzi M, Benvenuto D, Borsetti A, Cauda R, Cassone A. Peculiar Variations of the Electrostatic Potential of Spike Protein N-terminal Domain Associated with the Emergence of Successive SARS-CoV-2 Omicron Lineages. *J Infect.* 2022 Jul 29;S0163-4453(22)00426-1. doi: 10.1016/j.jinf.2022.07.018. Epub ahead of print. PMID: 35908615; PMCID: PMC9334862.
- Pascarella S, Bianchi M, Giovanetti M, Benvenuto D, Borsetti A, Cauda R, Cassone A, Ciccozzi M. The Biological Properties of the SARS-CoV-2 Cameroon Variant Spike: An Intermediate between the Alpha and Delta Variants. *Pathogens.* 2022 Jul 20;11(7):814. doi: 10.3390/pathogens11070814. PMID: 35890058; PMCID: PMC9315702.
- Pascarella S, Ciccozzi M, Bianchi M, Benvenuto D, Cauda R, Cassone A. The value of electrostatic potentials of the spike receptor binding and N-terminal domains in addressing transmissibility and infectivity of SARS-CoV-2 variants of concern. *J Infect.* 2022 May;84(5):e62-e63. doi: 10.1016/j.jinf.2022.02.023. Epub 2022 Feb 23. PMID: 35218789; PMCID: PMC8864947.
- Carnevale S, Giovanetti M, Benvenuto D, Ciccozzi M, Broccolo F. Is Molecular Mimicry between hPF4 and SARS-CoV-2 Spike Protein a Potential Basis for Autoimmune Responses in Vaccinated and Naturally Infected Patients? *Semin Thromb Hemost.* 2022 Jan 12. doi: 10.1055/s-0041-1742092. Epub ahead of print. PMID: 35021248.
- Benvenuto D, Carnevale S, Giovanetti M, Ciccozzi M, Broccolo F. Molecular Mimicry between hPF4 and SARS-CoV-2 Spike Protein: Response to Comment. *Semin Thromb Hemost.* 2022 Jun 21. doi: 10.1055/s-0042-1744280. Epub ahead of print. PMID: 35728600.
- Pascarella, S., Ciccozzi, M., Bianchi, M., Benvenuto, D., Cauda, R. and Cassone, A. (2022), The electrostatic potential of the Omicron variant spike is higher than in Delta and Delta-plus variants: A hint to higher transmissibility?. *J Med Virol*, 94: 1277-1280. <https://doi.org/10.1002/jmv.27528>
- Scarpa, F.; Sanna, D.; Benvenuto, D.; Borsetti, A.; Azzena, I.; Casu, M.; Fiori, P.L.; Giovanetti, M.; Maruotti, A.; Ceccarelli, G.; Caruso, A.; Caccuri, F.; Cauda, R.; Cassone, A.; Pascarella, S.; Ciccozzi, M. Genetic and Structural Data on the SARS-CoV-2 Omicron BQ.1 Variant Reveal Its Low Potential for Epidemiological Expansion. *Int. J. Mol. Sci.* 2022, 23, 15264. <https://doi.org/10.3390/ijms232315264>
- The evolution of Monkeypox virus: a genetic and structural analysis reveals mutations in proteins involved in host-pathogen interaction
- Domenico Benvenuto, Serena Vita, Stefano Pascarella, Martina Bianchi, Marta Giovanetti, Roberto Cauda, Emanuele Nicastri, Antonio Cassone, Massimo Ciccozzi *bioRxiv* 2022.06.22.497195; doi: <https://doi.org/10.1101/2022.06.22.497195>