SARS-CoV-2: Genome structure and trends in bias against Americans.

Stefano Palumbo^{*}

Department of Biomedical Sciences, University of Bari, Italy

Accepted on November 23, 2020

Editorial Note

virus spread, useful for the scientific community as they work on finding the our greatest source of hope. cure against the disease.

revealed that Implicit Americanness Bias-or the subconscious demonstrative of late modernity's cultural milieu. belief that European American individuals are more "American" than Asian American individuals-declined steadily from 2007 through early 2020 but reversed trend and began to increase on March 8, following the increase in stigmatizing language in conservative media outlets [2-4]. The trend reversal in bias was more pronounced among conservative individuals. This research provides evidence that the use of stigmatizing language increased subconscious beliefs that Asian Americans are "perpetual foreigners." Given research that perpetual foreigner bias can discriminatory beget behavior and that experiencing discrimination is associated with adverse mental and physical health outcomes, this research sounds an alarm about the effects of stigmatizing media on the health and welfare of Asian Americans [5,6].

Coronaviruses (CoVs) that cause infections such as severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome phylogenetically originate from bat CoVs. The coronaviral non structural protein 3 (nsp3) has been implicated in viral replication, polyprotein cleavage, and host immune interference. We report the structure of the C domain from the SARS-Unique Domain of bat CoV HKU4. The protein has a frataxin fold, consisting of 5 antiparallel β strands packed against 2 α helices. Bioinformatics analyses and nuclear magnetic resonance experiments were conducted to investigate the function of HKU4 C. The results showed that HKU4 C engages in proteinprotein interactions with the nearby M domain of nsp3. The HKU4 C residues involved in protein-protein interactions are conserved in group 2c CoVs, indicating a conserved function.

This note examines people's responses to the 2020 coronavirus Novel 2019 coronavirus has created havoc across the globe since pandemic from the perspective of existential psychology. The its emergence in December 2019 in Wuhan, China, and fast existential anxieties associated with the pandemic, as well as spreading potential. While we were able to identify the causative people's responses to them, can be understood and articulated agent within a few days of the disease outbreak, several questions through Sartre's concept of bad faith. Using this existential lens, we still remain unanswered. In this review, we discuss the extent of examine the ways in which people's responses to the virus interact current statistics, SARS-CoV-2 genome with long-standing societal patterns of interconnection as well as organization, comparison between the novel coronavirus and inequity, and how these processes are rooted within the cultural causative agents involved in previous outbreaks, on-going context of late modernity [7]. This analysis reveals that our clinical trials and myths associated with the virus. Lastly, we interconnection simultaneously constitutes the most profound provide insights into the future perspectives which could prove challenges in our psychological response to the pandemic, as well as

With the spread of the 2019 novel coronavirus pandemic (COVID-On March 8, 2020, there was a 650% increase in Twitter re- 19), threats of contagion, unreliable information, and general tweets using the term "Chinese virus" and related terms. On uncertainty give rise to daunting existential anxieties. The primal March 9, there was an 800% increase in the use of these terms in and inter subjective nature of these anxieties, as well as the conservative news media articles [1]. Using data from non-Asian responses they provoke, are not only harbingers of what we might respondents of the Project Implicit "Asian Implicit Association become but also lightning bolts thrown into the long night of what Test" from 2007-2020 (n=339,063), we sought to ascertain if this we were [6,8]. From the perspective of existential psychology, change in media tone increased bias against Asian Americans. individuals' responses to the COVID-19 outbreak reveal humanity's Local polynomial regression and interrupted time-series analyses most basic impulses, as well as how those responses are

References

- 1. World Health Organization. Pneumonia of unknown cause -China.
- 2. Gorbalenya AE, Baker SC, Baric RS, et al. The species severe acute respiratory syndrome-related coronavirus: classifying 2019-nCoV and naming it SARS-CoV-2. Nat Microbiol 2020;5:536-44.
- 3. Arendt F. Dose-dependent media priming effects of stereotypic newspaper articles on implicit and explicit stereotypes. J Comm. 2013;63(5);830-51.
- 4. Bernal JL, Cummins S, Gasparrini A Interrupted time series regression for the evaluation of public health interventions: A tutorial. Int J Epidemiol. 2017;46(1):348-55.
- Blair IV, Brondolo E. Moving beyond the individual: 5. Community-level prejudice and health. Soc Sci Med. 2017;183:169-72.
- 6. Charlesworth T E, Banaji MR. Patterns of implicit and explicit attitudes: I. Long-term change and stability from 2007 to 2016. Psycholo Sci. 2009;30(2):174-92.
- 7. Fehr AR, Athmer J, Channappanavar R, et al. The NSP3 virulence in macrodomain promotes mice with encephalitis. Virol. coronavirus-induced J 2015;89(3):1523-36.

Citation: Palumbo S. SARS-CoV-2: Genomic structure and trend in bias against Americans. J Biochem Biotech 2020;3(3):1-2.

Gralinski LE, Baric RS. Molecular pathology of emerging coronavirus infections. J Pathol. 2015;235(2):185-95.

*Correspondence to:

Stefano Palumbo Department of Biomedical Sciences, University of Bari, Bari, Italy Email: palustefano66@yahoo.com