



Immunome's Research Reveals a Broad Super Responder Memory B Cell Response to the SARS-CoV-2 Virus

Findings support the potential of Immunome's approach to developing IMM-BCP-01 as an optimized antibody cocktail for the treatment and prophylaxis of COVID-19

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EXTON, Pa.--(BUSINESS WIRE)--[Immunome, Inc.](#) (Nasdaq: IMNM), a biopharmaceutical company utilizing a proprietary human memory B cell platform to discover and develop first-in-class antibody therapeutics, announced the release of findings from its ongoing preclinical COVID-19 research program in a manuscript entitled "Unbiased Interrogation of Memory B Cells from Convalescent COVID-19 Patients Reveals A Broad Anti-Viral Humoral Response Targeting SARS-CoV-2 Antigens Beyond the Spike Protein."

Key findings discussed in the manuscript include:

- *More than 50% of the antibodies isolated from super-responders are directed at non-Spike antigens, suggesting non-Spike related antibodies may play a significant role in the effective immunological clearance of this virus*
- *Nucleocapsid proteins and the open reading frame-encoded (ORF) proteins, ORF8 and ORF10, represent the most prevalent non-Spike targets*
- *Antibody response against both neutralizing and non-neutralizing epitopes on Spike protein are committed to B-cell memory*
- *Response appears to extend beyond immunoglobulin G (IgG), comprising affinity-matured antibodies with specialized function (IgA and IgM)*

A pre-print of the article is available at this [link](#); the article has not yet been peer reviewed.

Purnanand Sarma, PhD, CEO of Immunome, said, "We believe that the broad response we observed to multiple viral proteins beyond just the Spike protein points towards an approach for developing an antibody cocktail, which could better mimic the natural human immune response against the SARS-Cov-2 infection. Furthermore, an optimized combination of antibodies could potentially overcome the high level of mutational drift we are seeing in the Spike protein."

In July 2020, Immunome was awarded a \$13.3 million agreement executed by the United States Department of Defense's Joint Program Executive Office for Chemical, Biological, Radiological and Nuclear Defense (JPEO-CBRND), in collaboration with the Defense Health Agency, to support Immunome's COVID program. The research discussed in this press release and the article is part of that program.

About Immunome

Immunome is a biopharmaceutical company utilizing our proprietary human memory B cell platform to discover and develop first-in-class antibody therapeutics designed to change the way diseases are currently being treated with an initial focus on oncology and infectious diseases, including COVID-19. Immunome's proprietary discovery platform identifies novel therapeutic antibodies and their targets by leveraging highly educated components of the immune system, memory B cells, from patients whose bodies have learned to fight off their disease. For more information, please visit www.immunome.com.

Forward-Looking Statements

This press release and the article referenced within includes certain disclosures that contain "forward-looking statements" intended to qualify for the "safe harbor" from liability established by the Private Securities Litigation Reform Act of 1995, as amended, including, without limitation, express or implied statements regarding Immunome's beliefs and expectations regarding the advancement of its oncology and COVID-19 therapeutic antibody programs, execution of its clinical and strategic plans, anticipated upcoming milestones for IMM-BCP-01 and IMM-ONC-01, including expectations regarding therapeutic potential and benefits thereof, and IND filings. Forward-looking statements may be identified by the words "anticipate," "believe," "estimate," "expect," "intend," "plan," "project," "may," "will," "could," "should," "seek" and similar expressions. Forward-looking statements are based on Immunome's current expectations and are subject to inherent uncertainties, risks and assumptions that are difficult to predict. Factors that could cause actual results to differ include, but are not limited to, those risks and uncertainties associated with: the impact of the COVID-19 pandemic on Immunome's business, operations, strategy, goals and anticipated milestones, Immunome's ability to execute on its strategy including with respect to the timing of IND filings, the initiation of clinical studies and other anticipated milestones, the timing and effectiveness of any antibody therapeutics which may be developed by Immunome, Immunome's ability to fund operations, as well as those risks and uncertainties set forth more fully under the caption "Risk Factors" in the final prospectus dated October 1, 2020 and filed pursuant to Rule 424(b) under the Securities Act of 1933, as amended, with the United States Securities and Exchange Commission (SEC) and elsewhere in Immunome's filings and reports with the SEC. Forward-looking statements contained in this announcement are made as of this date, and Immunome undertakes no duty to publicly update or revise any forward looking statements, whether as a result of new information, future events or otherwise, except as may be required under applicable law.

Contacts

Immunome Contact

Purnanand Sarma, Ph.D.

Chief Executive Officer

Immunome, Inc.

investors@immunome.com

Immunome Media Contact

Megan McGrath or Nick Chang

MacDougall

781-235-3060

mmcgrath@macbiocom.com or nchang@macbiocom.com

