UNITED STATES SECURITIES AND EXCHANGE COMMISSION APRIL 16, 2009

ORDER GRANTING CONFIDENTIAL TREATMENT UNDER THE SECURITIES EXCHANGE ACT OF 1934

AutoImmune, Inc.

File No. 000-20948 - CF#23406

AutoImmune, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 10-K filed on March 25, 2009.

Based on representations by AutoImmune, Inc. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit(s) will not be released to the public for the time period(s) specified:

Exhibit 10.21 through June 30, 2011

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Christian Windsor Special Counsel