

MERUS N.V.
 YALELAAN 62
 3584 CM UTRECHT
 THE NETHERLANDS

VOTE BY INTERNET - www.proxyvote.com

Use the Internet to transmit your voting instructions and for electronic delivery of information up until 4:59 p.m. Central European Summer Time on May 25, 2021. Have your proxy card in hand when you access the web site and follow the instructions to obtain your records and to create an electronic voting instruction form.

VOTE BY PHONE - 1-800-690-6903

Use any touch-tone telephone to transmit your voting instructions up until 4:59 p.m. Central European Summer Time on May 25, 2021. Have your proxy card in hand when you call and then follow the instructions.

VOTE BY EMAIL

Mark, sign and date your proxy card and return it via email to A.Noordzij@merus.nl by 4:59 p.m. Central European Summer Time on May 25, 2021.

VOTE BY MAIL

Mark, sign and date your proxy card and return it in the postage-paid envelope we have provided or return it to Vote Processing, c/o Broadridge, 51 Mercedes Way, Edgewood, NY 11717.

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK AS FOLLOWS:

D51977-P51913

KEEP THIS PORTION FOR YOUR RECORDS
 DETACH AND RETURN THIS PORTION ONLY

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED.

MERUS N.V.

The Board of Directors recommends you vote FOR the following proposals 1, 2, 3, 4, 5, 6 and 7:

- | | For | Against | Abstain |
|---|--------------------------|--------------------------|--------------------------|
| 1. Adoption of Merus N.V.'s Dutch statutory annual accounts in the English language for the financial year 2020. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Appointment of KPMG Accountants N.V. as Merus N.V.'s external auditor for the financial year 2021 for purposes of Dutch law. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Release of each member of Merus N.V.'s board of directors from liability for the exercise of their duties during the financial year 2020. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Appointment of Maxine Gowen, Ph.D., as non-executive director of Merus N.V. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Granting authorization to Merus N.V.'s board of directors to acquire shares (or depository receipts for such shares) in Merus N.V.'s capital. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Articles Amendment A – Approval of the amendment of the Articles of Association to increase the share capital to the amount of EUR 12,150,000 and divided into 67,500,000 common shares and 67,500,000 preferred shares and authorization to implement such amendment. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

For Against Abstain

- | | | | |
|--|--------------------------|--------------------------|--------------------------|
| 7. Articles Amendment B – Approval of the amendment of the Articles of Association to include the U.S. federal forum selection clause and authorization to implement such amendment. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|

NOTE: Such other business as may properly come before the meeting or any adjournment thereof shall be voted in accordance with the discretion of the attorneys and proxies appointed hereby.

Please sign exactly as your name(s) appear(s) hereon. When signing as attorney, executor, administrator, or other fiduciary, please give full title as such. Joint owners should each sign personally. All holders must sign. If a corporation or partnership, please sign in full corporate or partnership name by authorized officer.

Signature [PLEASE SIGN WITHIN BOX]

Date

Signature (Joint Owners)

Date

Important Notice Regarding the Availability of Proxy Materials for the Annual General Meeting:
The Notice and Proxy Statement and Annual Report on Form 10-K are available at www.proxyvote.com.

D51978-P51913

**PROXY
ANNUAL GENERAL MEETING OF SHAREHOLDERS
MAY 28, 2021**

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS OF MERUS N.V.

The undersigned hereby appoints each member of Merus N.V.'s board of directors as well as Paul van der Bijl, civil law notary, and Sanne Mesu, deputy civil law notary, working with NautaDutilh N.V., Merus N.V.'s Dutch legal counsel, and each of them, with power to act without the other and with power of substitution, as proxies and attorneys-in-fact and hereby authorizes them to represent and vote, as provided on the other side, all the shares of Merus N.V. which the undersigned is entitled to vote at the Annual General Meeting of Shareholders of Merus N.V. to be held, which in view of the COVID-19 pandemic caused by the novel coronavirus and in order to protect the health and safety of our shareholders, our directors and others involved in the meeting, will be a completely virtual meeting which will be conducted via live webcast (www.virtualshareholdermeeting.com/MRUS2021) on Friday May 28, 2021 at 15:00 (3:00 p.m.) Central European Summer Time or any adjournment thereof, with all powers which the undersigned would possess if present at the Annual General Meeting of Shareholders.

Such proxies are authorized to vote in their discretion (x) for the election of any person to the Board of Directors if any nominee named herein becomes unable to serve or for good cause will not serve, (y) on any matter that the Board of Directors did not know would be presented at the Annual General Meeting of Shareholders by a reasonable time before the proxy solicitation was made, and (z) on such other business as may properly be brought before the Annual General Meeting of Shareholders or any adjournment, continuation or postponement thereof.

THIS PROXY, WHEN PROPERLY EXECUTED, WILL BE VOTED IN THE MANNER DIRECTED HEREIN BY THE UNDERSIGNED. IF NO SUCH DIRECTIONS ARE MADE BUT THE CARD IS SIGNED, THIS PROXY WILL BE VOTED "FOR" PROPOSALS 1, 2, 3, 4, 5, 6 AND 7, AND IN THE DISCRETION OF THE PROXIES WITH RESPECT TO SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING.

PLEASE MARK, SIGN, DATE AND RETURN THIS PROXY CARD PROMPTLY USING THE ENCLOSED REPLY ENVELOPE