

Disclosure Purpose: 22-06576

Summary of Interests

I do not have any interests to disclose at this time.

Additional Questions:

- Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?**
No.
- What is the manuscript title?**
Neutralization Escape by the SARS-CoV-2 Omicron Variants BA.2.12.1 and BA.4/BA.5
- Are you the corresponding author?**
No.

Certification

I certify that the information provided in this disclosure is complete and accurate.

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Summary of Interests

Company or Organization

Entity	Type	Interest Held By
Alkermes, Inc.	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
Avidea	Consultant	Self
<i>Category:</i> Consultant <i>Additional Information:</i>		<i>Description:</i>
BARDA	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
Bill and Melinda Gates Foundation	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> academic research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
Celsion	Consultant	Self
<i>Category:</i> Consultant <i>Additional Information:</i>		<i>Description:</i> consultant
CureVac	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
DARPA	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> academic research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
Gilead Sciences	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
Henry Jackson Foundation	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> academic research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
Intima Biosciences	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
Janssen Research and Development	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research
Laronde	Consultant	Self
<i>Category:</i> Consultant <i>Additional Information:</i>		<i>Description:</i>

Legend Biotech	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research		
Massachusetts Consortium on Pathogen Readiness (MassCPR)	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> academic research <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research		
Meissa	Consultant	Self
<i>Category:</i> Consultant <i>Additional Information:</i>		
<i>Description:</i>		
MRC	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> academic research <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research		
Musk Foundation	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> academic research <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research		
NIH	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> academic research <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research		
Pfizer	Consultant	Self
<i>Category:</i> Consultant <i>Additional Information:</i>		
<i>Description:</i> consultant		
Pharm-Olam	Grant / Contract	Self
<i>Recipient Name:</i> <i>Grant / Contract Description:</i> <i>Additional Information:</i>		
<i>Recipient Type:</i> <i>Grant / Contract Purpose:</i>		
Ragon Institute	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> academic research <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research		
Regeneron Pharmaceuticals	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> manuscript support <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Other - manuscript support		
SANOVI PASTEUR INC.	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research		
SQZ Biotech	Consultant	Self
<i>Category:</i> Consultant <i>Additional Information:</i>		
<i>Description:</i> consultant		
Vector Sciences	Stock	Self
<i>Additional Information:</i>		
Zentalis	Grant / Contract	Self
<i>Recipient Name:</i> Dan Barouch <i>Grant / Contract Description:</i> contract research <i>Additional Information:</i>		
<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research		

Intellectual Property

Type	Is Licensed	Interest Held By
Patent - COMPOSITIONS AND METHODS FOR TREATING CORONAVIRU ...	Yes	Self

Description: COMPOSITIONS AND METHODS FOR TREATING CORONAVIRUS INFECTION

Patent Status: Provisional

Filing Jurisdiction: USA

Licensees:

Licensee	Title	Date
Janssen Research and Development		

Patent Number: 3,101,131

Patent Holder: Current Institution

Additional Information:

Patent - COMPOSITIONS AND METHODS FOR TREATING CORONAVIRU ...

Yes

Self

Description: COMPOSITIONS AND METHODS FOR TREATING CORONAVIRUS INFECTION

Patent Status: Provisional

Filing Jurisdiction: USA

Licensees:

Licensee	Title	Date
Janssen Research and Development		

Patent Number: 63/135,182

Patent Holder: Current Institution

Additional Information:

Patent - COMPOSITIONS AND METHODS FOR TREATING CORONAVIRU ...

Yes

Self

Description: COMPOSITIONS AND METHODS FOR TREATING CORONAVIRUS INFECTION

Patent Status: Provisional

Filing Jurisdiction: USA

Licensees:

Licensee	Title	Date
Janssen Research and Development		

Patent Number: 63/121,482

Patent Holder: Current Institution

Additional Information:

Patent - COMPOSITIONS AND METHODS FOR TREATING CORONAVIRU ...

Yes

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Patent Status: Provisional

Filing Jurisdiction: USA

Licensees:

Licensee	Title	Date
Janssen Research and Development		

Patent Number: 63/133,969

Patent Holder: Current Institution

Additional Information:

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No.

2. What is the manuscript title?

Neutralization Escape by the SARS-CoV-2 Omicron Variants BA.2.12.1 and BA.4/BA.5

3. Are you the corresponding author?

Yes.

- a. Please list the other authors' names here.

Nicole P. Hachmann, B.S., Jessica Miller, B.S., Ai-ris Y. Collier, M.D., John D. Ventura, Ph.D., Jingyou Yu, Ph.D., Marjorie Rowe, B.S., Esther Apraku Bondzie, M.S.N., Olivia Powers, B.S., Nehalee Surve, M.S., Kevin Hall, B.S.

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Burroughs Wellcome Fund	Grant / Contract	Self
<i>Recipient Name:</i> Ai-ris Collier <i>Grant / Contract Description:</i> In support of the Reproductive Scientist Development Program Scholar <i>Additional Information:</i>		<i>Recipient Type:</i> Individual <i>Grant / Contract Purpose:</i> Research
Eunice Kennedy Shriver National Institute of Child Health and Human Development	Grant / Contract	Self
<i>Recipient Name:</i> Ai-ris Collier <i>Grant / Contract Description:</i> Reproductive Scientist Development Program HD000849 <i>Additional Information:</i>		<i>Recipient Type:</i> Individual <i>Grant / Contract Purpose:</i> Research
National Institute of Allergy and Infectious Diseases	Grant / Contract	Self
<i>Recipient Name:</i> Ai-ris Yonekura Collier, MD <i>Grant / Contract Description:</i> R21AI169309 <i>Additional Information:</i>		<i>Recipient Type:</i> Institution <i>Grant / Contract Purpose:</i> Research

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