

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: **Materials and Methods of il-1 β binding proteins**

This declaration and assignment is directed to:

☒ The United States application or PCT international application number 63/297,436, filed on 01/07/2022.

Declaration

As the below named inventor, I hereby declare that:

The above-identified application ("Application") was made or authorized by me.

I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.

I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.

Assignment

JANSSEN RESEARCH & DEVELOPMENT, LLC

920 US Route 202

P.O. Box 300

Raritan, NJ 08869, USA

A corporation of the state or country of New Jersey
(hereinafter designated as the "Assignee"),

☐ I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:

or

☒ For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee, such assignment being made effective as of 01/07/2022:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

SAGIT HINDI

Sagit Hindi
Sagit Hindi (Jan 18, 2022 12:39 EST)
Signature

Jan 18, 2022
Date

KAD6005USPSP1_Hindi to JRD

Final Audit Report

2022-01-18

Created:	2022-01-18
By:	Geraldine Cooney (gcooney@its.jnj.com)
Status:	Signed
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"KAD6005USPSP1_Hindi to JRD" History

 Document created by Geraldine Cooney (gcooney@its.jnj.com)

2022-01-18 - 3:34:22 PM GMT- IP address: 100.11.107.173

 Document emailed to Sagit Hindi (shindi@its.jnj.com) for signature

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 Email viewed by Sagit Hindi (shindi@its.jnj.com)

2022-01-18 - 3:47:17 PM GMT- IP address: 72.92.89.16

 Document e-signed by Sagit Hindi (shindi@its.jnj.com)

Signature Date: 2022-01-18 - 5:39:47 PM GMT - Time Source: server- IP address: 72.92.89.16

 Agreement completed.

2022-01-18 - 5:39:47 PM GMT

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: **Materials and Methods of il-1 β binding proteins**

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920 US Route 202
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Raritan, NJ 08869, USA

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(hereinafter designated as the "Assignee"),

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or

☒ For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee, such assignment being made effective as of 01/07/2022:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

GABRIEL PASCUAL

Gabriel Pascual
Gabriel Pascual (Jan 18, 2022 09:12 PST) /
Signature

Jan 18, 2022
Date

KAD6005USPSP1_Pascual to JRD

Final Audit Report

2022-01-18

Created:	2022-01-18
By:	Geraldine Cooney (gcooney@its.jnj.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAEyw-PQdOZTyhcAEIWT9XSeC0TNW9bnn1

"KAD6005USPSP1_Pascual to JRD" History

-  Document created by Geraldine Cooney (gcooney@its.jnj.com)
2022-01-18 - 3:32:25 PM GMT- IP address: 100.11.107.173
-  Document emailed to Gabriel Pascual (gpascual@its.jnj.com) for signature
2022-01-18 - 3:33:16 PM GMT
-  Email viewed by Gabriel Pascual (gpascual@its.jnj.com)
2022-01-18 - 4:17:42 PM GMT- IP address: 107.77.228.34
-  Document e-signed by Gabriel Pascual (gpascual@its.jnj.com)
Signature Date: 2022-01-18 - 5:12:54 PM GMT - Time Source: server- IP address: 70.95.139.223
-  Agreement completed.
2022-01-18 - 5:12:54 PM GMT

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: **Materials and Methods of il-1 β binding proteins**

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Assignment

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920 US Route 202

P.O. Box 300

Raritan, NJ 08869, USA

A corporation of the state or country of New Jersey
(hereinafter designated as the "Assignee"),

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or

☒ For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee, such assignment being made effective as of 01/07/2022:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

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I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

SURESH KUMAR SWAMINATHAN

Suresh kumar Swaminathan
Suresh kumar Swaminathan (Jan 18, 2022 10:54 EST)

Signature

Jan 18, 2022

Date

KAD6005USPSP1_Swaminathan to JRD

Final Audit Report

2022-01-18

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"KAD6005USPSP1_Swaminathan to JRD" History

-  Document created by Geraldine Cooney (gcooney@its.jnj.com)
2022-01-18 - 3:36:04 PM GMT- IP address: 100.11.107.173
-  Document emailed to Suresh kumar Swaminathan (sswamina@its.jnj.com) for signature
2022-01-18 - 3:36:35 PM GMT
-  Email viewed by Suresh kumar Swaminathan (sswamina@its.jnj.com)
2022-01-18 - 3:51:58 PM GMT- IP address: 68.84.38.126
-  Document e-signed by Suresh kumar Swaminathan (sswamina@its.jnj.com)
Signature Date: 2022-01-18 - 3:54:01 PM GMT - Time Source: server- IP address: 68.84.38.126
-  Agreement completed.
2022-01-18 - 3:54:01 PM GMT

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: MATERIALS AND METHODS OF IL-1B BINDING PROTEINS

This declaration and assignment is directed to:

☒ The PCT international application number PCT/IB2023/050106, filed on January 6, 2023.

Declaration

As the below named inventor, I hereby declare that:

The above-identified application ("Application") was made or authorized by me.

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Assignment

Janssen-Cilag Limited
50-100 Holmers Farm Way
High Wycombe
Buckinghamshire
HP12 4EG
United Kingdom

A company of the state or country of United Kingdom
(hereinafter designated as the "Assignee"),

☐ I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:

or

☒ For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee, such assignment being made effective as of January 6, 2023:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

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I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

MATTHEW J. EDWARDS

Matthew J Edwards
Matthew J Edwards (May 25, 2023 15:37 GMT+1) /
Signature

May 25, 2023
Date

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: **Materials and Methods of il-1 β binding proteins**

This declaration and assignment is directed to:

☒ The PCT international application number PCT/IB2023/050106, filed on January 6, 2023.

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CHRISTOPHER SCOTT STEVENSON

Christopher Scott Stevenson
Christopher Scott Stevenson (May 18, 2023 21:52 GMT+1) /
Signature

May 18, 2023
Date

GENERAL ASSIGNMENT

WHEREAS, Janssen-Cilag Limited, having its place of business at 50-100 Holmers Farm Way High Wycombe, Buckinghamshire, HP12 4EG, United Kingdom, (hereinafter referred to as "Assignor"), is the owner of certain new and useful inventions relating to

"Materials and Methods of il-1 β binding proteins"

for which on the **6th day of January, 2023**, PCT International Patent Application no. **PCT/IB2023/050106**, was filed at the International Bureau.

WHEREAS, Johnson & Johnson Enterprise Innovation Inc., having its place of business at One Johnson & Johnson Plaza, New Brunswick, NJ, 08933, United States of America, (hereinafter referred to as "Assignee") is desirous of acquiring Assignor's entire right, title and interest therein, including the right to claim priority thereof,

NOW, THEREFORE, BE IT KNOWN, that in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby assigns and transfers, for all countries in the world, to said Assignee its entire right, title and interest, including the right to claim priority, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, that may be granted for said Inventions, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

And for purpose of obtaining patent protection in any foreign country, the Assignor hereby agrees that, any right, title and interest, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof can be directly assigned by the inventors to the Assignee without explicit confirmation of the Assignor.

The Assignor agrees that this general assignment is effective from **January 6, 2023**.

IN TESTIMONY WHEREOF, the Assignor and Assignee set hereunto their hand and seal this date.

For Janssen-Cilag Limited

Shona Fraser
 Name: Shona Fraser
 Title: Director
 Date:

Digitally signed by Shona Fraser
 DN: c=US, o=JNJ, ou=Subscribers,
 cn=Shona Fraser,
 09.2342.19200300.100.1.1=152044521
 Reason: I am approving this document
 Date: 2023.06.07 15:08:36 +01'00'
 Adobe Acrobat Reader version:
 2020.013.20064

For Johnson & Johnson Enterprise
 Innovation Inc.

Lisa M. Horninger
 Lisa M. Horninger (Jun 7, 2023 11:05 EDT)

Name: Lisa M. Horninger
 Title: Assistant Secretary
 Date: Jun 7, 2023

GENERAL ASSIGNMENT

WHEREAS, Janssen Research & Development, LLC, having its place of business at 920 US Route 202, PO Box 300, Raritan, New Jersey, 08869, U.S.A, (hereinafter referred to as "Assignor"), is the owner of certain new and useful inventions relating to

"Materials and Methods of il-1 β binding proteins"

for which on the **6th day of January, 2023**, PCT International Patent Application no. **PCT/IB2023/050106**, was filed at the International Bureau.

WHEREAS, Johnson & Johnson Enterprise Innovation Inc., having its place of business at One Johnson & Johnson Plaza, New Brunswick, NJ, 08933, United States of America, (hereinafter referred to as "Assignee") is desirous of acquiring Assignor's entire right, title and interest therein, including the right to claim priority thereof,

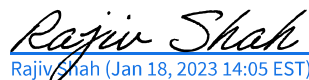
NOW, THEREFORE, BE IT KNOWN, that in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby assigns and transfers, for all countries in the world, to said Assignee its entire right, title and interest, including the right to claim priority, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, that may be granted for said Inventions, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

And for purpose of obtaining patent protection in any foreign country, the Assignor hereby agrees that, any right, title and interest, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof can be directly assigned by the inventors to the Assignee without explicit confirmation of the Assignor.

The Assignor agrees that this general assignment is effective from **January 6, 2023**.

IN TESTIMONY WHEREOF, the Assignor and Assignee set hereunto their hand and seal this date.

For Janssen Research & Development, LLC


Rajiv Shah (Jan 18, 2023 14:05 EST)

Name: Rajiv Shah

Title: Assistant Secretary

Date: Jan 18, 2023

For Johnson & Johnson Enterprise
Innovation Inc.


LISA M. HORNINGER (Jan 31, 2023 12:26 EST)

Name: Lisa M. Horninger

Title: Assistant Secretary

Date: Jan 31, 2023

KAD6005USNP1_JRD to JJEI

Final Audit Report

2023-01-31

Created:	2023-01-18
By:	Geraldine COONEY (gcooney@its.jnj.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA8kqbTjiYFDgIdNKDoFQnsVqhjE-allt_

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-  Document created by Geraldine COONEY (gcooney@its.jnj.com)
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-  Document emailed to Rajiv Shah (rshah12@its.jnj.com) for signature
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-  Document e-signed by Rajiv Shah (rshah12@its.jnj.com)
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-  Signer LISA HORNINGER (lhorning@its.jnj.com) entered name at signing as LISA M. HORNINGER
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-  Agreement completed.
2023-01-31 - 5:26:39 PM GMT

GENERAL ASSIGNMENT

WHEREAS, Janssen Research & Development, LLC, having its place of business at 920 US Route 202, PO Box 300, Raritan, New Jersey, 08869, U.S.A, (hereinafter referred to as "Assignor"), is the owner of certain new and useful inventions relating to

"Materials and Methods of il-1 β binding proteins"

for which on the **7th day of January, 2022**, US Patent Application no. **63/297,436**, was filed at the USPTO.

WHEREAS, Johnson & Johnson Enterprise Innovation Inc., having its place of business at One Johnson & Johnson Plaza, New Brunswick, NJ, 08933, United States of America, (hereinafter referred to as "Assignee") is desirous of acquiring Assignor's entire right, title and interest therein, including the right to claim priority thereof,

NOW, THEREFORE, BE IT KNOWN, that in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby assigns and transfers, for all countries in the world, to said Assignee its entire right, title and interest, including the right to claim priority, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, that may be granted for said Inventions, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

And for purpose of obtaining patent protection in any foreign country, the Assignor hereby agrees that, any right, title and interest, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof can be directly assigned by the inventors to the Assignee without explicit confirmation of the Assignor.

The Assignor agrees that this general assignment is effective from **January 7, 2022**.

IN TESTIMONY WHEREOF, the Assignor and Assignee set hereunto their hand and seal this date.

For Janssen Research & Development, LLC

Rajiv Shah

Rajiv Shah (May 10, 2022 09:37 EDT)

Name: Rajiv Shah

Title: Assistant Secretary

Date: May 10, 2022

For Johnson & Johnson Enterprise
Innovation Inc.

Lisa M. Horninger

Lisa M. Horninger (May 25, 2022 10:09 EDT)

Name: Lisa M. Horninger

Title: Assistant Secretary

Date: May 25, 2022

KAD6005USPSP1_JRD to JJEI

Final Audit Report

2022-05-25

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-  Agreement completed.
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