

**BloodPAC
DATA CONTRIBUTOR AGREEMENT**

This BloodPAC Consortium Data Contributor Agreement (DCA) (this “**Agreement**”) is made as of _____, 2017 (the “**Effective Date**”), by and between the Center for Computational Science Research, Inc., the manager of the BloodPAC Consortium (the “**BloodPAC**”), and _____ (“**Partner**”, and, together with the BloodPAC, the “**Parties**”).

RECITALS

WHEREAS, various parties have developed an open source technology platform license under the Apache License, Version 2.0, (the “**Platform**”), including software, and other technologies, for managing, analyzing and sharing biomedical data;

WHEREAS as the genomic and biomedical data managed by the Platform is organized into one or more projects (“**Projects**”), and that project data (“**Project Data**”) may consist of both open access and controlled access data;

WHEREAS, Partner desires to: (i) contribute certain datasets consisting of genomic and associated biomedical data (the “**Contributed Data**”) to the Blood Profiling Atlas in Cancer (BloodPAC) Project, as further described on Exhibit B, and (ii) permit the BloodPAC to provide researchers and others with access to the Contributed Data as a part of the Project, subject to the restrictions set forth in this Agreement;

WHEREAS, the BloodPAC operates data services, subject to the Bionimbus Services Agreement, using the Bionimbus Platform that provides authorized researchers and other users with data access services, computing services, and analysis services using Project Data provided by various data contributors;

WHEREAS, the BloodPAC is willing to accept such Contributed Data;

WHEREAS, the Bionimbus Platform allows Authorized Users to access and analyze data from the Platform and to transfer the data to other systems, including cloud computing based systems, and to other geographic locations, in compliance with applicable laws and regulations.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing and the mutual promises and covenants contained herein, the parties agree as follows:

1. **Definitions.** Capitalized terms used in this Agreement have the meaning set forth on Exhibit A.
2. **Partner Responsibilities.**
 - 2.1. **Contribution of Data.** Subject to the terms and conditions of this Agreement, Partner will provide the BloodPAC with the Contributed Data for the sole purpose of providing Authorized Users with access thereto subject to the terms and conditions hereof.
 - 2.2. **Licenses.** Partner hereby grants to the BloodPAC a non-exclusive world-wide license during the Term solely to: (i) store the

- Contributed Data on the Platform; (ii) provide Authorized Users with access through the Platform to the Contributed Data, in each case subject to the terms and conditions hereof.
- 2.3. **Contributed Data.**
 - 2.3.1. Without the prior written consent of the BloodPAC, Partner will not provide to the BloodPAC any Restricted Data.
 - 2.3.2. Partner shall be solely responsible for obtaining all necessary consents and otherwise complying with all Applicable Laws and other

restrictions: (i) to transmit any Contributed Data to the BloodPAC; (ii) to permit the BloodPAC to store such Contributed Data as part of the Platform; (iii) to permit the BloodPAC to provide Authorized Users access to such Contributed Data; and (iv) to permit the BloodPAC to perform its obligations pursuant to this Agreement.

3. **BloodPAC Responsibilities.**

3.1. **Authorized User Terms.** The BloodPAC will enter into an agreement with each Authorized User that requires such Authorized User to agree to comply with the terms and conditions set forth on Exhibit C (the “**Authorized User Terms**”). If at any time the BloodPAC becomes aware that any Authorized User has violated any of the Authorized User Terms, the BloodPAC will: (i) promptly notify Partner of such violation; and (ii) promptly suspend such Authorized Users access to all Contributed Data.

4. **Contributed Data Specific Terms**

4.1. **Compliance.** The Parties will comply with the terms and conditions set forth on Exhibit D (the “**Contributed Data Specific Terms**”).

5. **Proprietary Rights.**

5.1. **Platform Intellectual Property Rights.** The Bionimbus Platform is licensed under the Apache License, Version 2.0. In the event Partner or any of its Representatives provides any software, source code, or Intellectual Property Rights to the Bionimbus Platform in the course of this Agreement (other than any Contributed Data) (“**Partner IP**”) unless otherwise agreed in writing between the Parties, Partner hereby agrees that either (i) the Partner IP will be subject to an Apache License, Version 2.0 or (ii) Partner hereby grants to the BloodPAC a perpetual, irrevocable, worldwide, non-exclusive, fully transferable, fully sublicenseable, fully paid-up and royalty free license to use such Partner IP solely to incorporate such Partner IP into the Bionimbus Platform and use such Partner IP with the Bionimbus Platform.

5.2. **Savings Clauses.**

5.2.1. **Applicable Laws.** Notwithstanding anything to the contrary in this Agreement, neither Party shall have any obligation to do any act, or refrain from doing any act, in violation of any Applicable Law or obligation to any Governmental Authority.

6. **Warranties and Remedies**

6.1. **Warranties.**

6.1.1. **Authority.** Each Party represents and warrants to the other that such party has the right

and necessary corporate authority to enter into this Agreement.

6.1.2. **Contributed Data.** Partner represents and warrants to the BloodPAC that Partner has obtained all necessary consents and waivers necessary to transmit to the BloodPAC, or for the BloodPAC to receive, store, use and provide Authorized Users with access to, any Contributed Data.

6.2. Disclaimer of Warranties. EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, (A) EACH PARTY HEREBY DISCLAIMS ALL WARRANTIES WITH RESPECT TO THIS AGREEMENT, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND (B) THE BIONIMBUS PLATFORM AND THE CONTRIBUTED DATA ARE PROVIDED “AS IS” AND CONSTITUTE RESEARCH ONLY INFORMATION.

6.3. **Indemnification.**

6.3.1. To the maximum extent permitted by law, Partner shall pay, defend, indemnify and hold harmless the BloodPAC and its Affiliates and Representatives from and against any and all claims, liabilities, losses, causes of action, or other damages (collectively, “**Claims**”) based on any allegations made by any third party (including any Governmental Authority): (i) based on the disclosure of any Contributed Data to the BloodPAC by Partner or the BloodPAC’s possession of such Contributed Data; (ii) alleging that any Authorized User’s access to any Contributed Data was unauthorized or violated any Applicable Law or other obligation; or (iii) that the Contributed Data or the BloodPAC’s possession thereof or provision of access to Authorized Users violates any Applicable Law or any right of any other person.

6.3.2. Notwithstanding the foregoing, Partner’s obligations pursuant to Section 6.3.1 will not apply to the extent the applicable Claims arise from: (i) the BloodPAC’s gross negligence or willful misconduct; or (ii) the BloodPAC’s breach of this Agreement.

6.3.3. To the maximum extent permitted by law, each Party shall pay, defend, indemnify and hold harmless the other Party and its Affiliates and Representatives from and against any and all Claims based on any allegations made by any third party (including any Governmental Authority) from: (i) the indemnifying Party’s gross negligence or willful misconduct; or (ii)

the indemnifying Party's breach of this Agreement, in each case ((i) and (ii)) except to the extent arising from the indemnified Party's gross negligence, willful misconduct or breach of this Agreement..

6.3.4. Each Party's obligations under this Section 6.3 will be limited to the amount of insurance coverage available to pay any applicable Claim.

6.4. **Limitation of Liability.** Except with respect to: (i) each Party's indemnification obligations pursuant to this Agreement or (ii) any Contributed Data Specific Terms to the extent expressly excepted from the limitations set forth in this Section 6.4 as stated on Exhibit D, to the maximum extent permitted by law, (A) neither Party shall be liable hereunder for consequential, exemplary, or punitive damages (including lost profits or savings), even if it has been advised of their possible existence, and (B) neither Party's total and cumulative aggregate liability for any claim or claims hereunder will exceed ten thousand dollars (US\$10,000.00). Each party will maintain the types and amounts of insurance coverage that is commercially reasonable for the industry.

7. Term and Termination

7.1. **Term.** The initial term of this Agreement shall commence on the Effective Date and continue until the date that is three (3) years from the Effective Date, unless terminated earlier pursuant to the terms hereof (the "**Term**"). The Parties may extend the term of this Agreement upon mutual written agreement.

7.2. **Termination by Either Party.** Either Party may terminate this Agreement by written notice to the other Party, upon the occurrence of any of the following events:

7.2.1. For any reason upon not less than thirty (30) days prior written notice to the other party;

7.2.2. The other Party becomes insolvent or subject to any proceeding under the federal bankruptcy laws or other similar laws for the protection of creditors; or

7.2.3. The other Party materially breaches any term, provision, representation or warranty of this Agreement and such breach or default is not cured within ten (10) business days of the breaching Party's receipt of written notice thereof.

7.3. **Effect of Termination.** The terms and conditions of the following Sections will survive any termination or expiration of this Agreement: Sections 5.1, 6.2, 6.3, 6.4, 7.3 and 8 and any Contributed Data Specific Terms to the extent expressly stated on

Exhibit D. The license to Contributed Data, including Restricted Data, shall terminate upon termination of this Agreement, provided that Authorized Users will be permitted to continue to use results from studies and work done with Contributed Data, including Restricted Data.

8. Miscellaneous

8.1. **Amendments.** Except as otherwise expressly provided herein, this Agreement may not be modified, amended or altered in any way except by a written agreement signed by the Parties.

8.2. **Assignment.** Neither Party may assign this Agreement or delegate any of its duties, in whole or in part, without the prior written consent of the other party; provided, however, that: (i) either Party may assign this Agreement and delegate its duties to an Affiliate; and (ii) either Party may assign this Agreement to an entity that acquires all or substantially all of the assets or business of such Party. If any assignee refuses to be bound by all of the terms and obligations of this Agreement or if any assignment is made in breach of the terms of this Agreement, then such assignment shall be null and void and of no force or effect.

8.3. **Counterparts.** This Agreement may be executed in multiple counterparts, each of which shall be deemed an original and all of which together shall be deemed the same agreement.

8.4. **Entire Agreement; Order of Precedence.** This Agreement constitutes the complete and exclusive statement of the agreement of the Parties with respect to the subject matter hereof and supersedes all prior proposals, understandings, and agreements, whether oral or written, between the Parties with respect to the subject matter hereof. In case of conflict the order of precedence of the documents constituting this Agreement is as follows, each listed document superseding in the event of any conflicting provision in a later listed document: (1) the Contributed Data Specific Terms, but solely to the extent Exhibit D expressly states that such Contributed Data Specific Terms supersede the text of this Agreement; (2) Agreement text; and (3) the Exhibits to this Agreement.

8.5. **Force Majeure.** Neither Party shall be liable for any failure or delay in performing its obligations under this Agreement, or for any loss or damage resulting therefrom, due to acts of God, the public enemy, terrorist activities, riots, fires, and similar causes beyond such Party's control.

8.6. Waiver of Jury Trial. TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH PARTY HEREBY WAIVES ITS RIGHT TO A JURY TRIAL IN CONNECTION WITH ANY DISPUTE OR LEGAL PROCEEDING ARISING

OUT OF THIS AGREEMENT OR THE SUBJECT MATTER HEREOF. Application of the U.N. Convention on Contracts for the International Sale of Goods is hereby excluded.

8.7. **Arbitration.** If User is located in the State of California, all disputes arising under or in connection with this Agreement shall be submitted to JAMS or comparable organization for binding arbitration by a single arbitrator. The arbitrator shall be selected by JAMS in an impartial manner determined by it. The arbitrator shall have complete authority to render any and all relief, legal and equitable, appropriate under law. The arbitrator shall award costs of the proceeding, including reasonable attorney's fees, to the party determined to have substantially prevailed. This Section 8.7 shall not limit a party's right to seek temporary, preliminary, or permanent injunctive relief or any other form of equitable relief to protect its intellectual property or confidential information.

8.8. **Independent Contractor.** The Parties are independent contractors; nothing in this Agreement shall be construed to create a partnership, joint venture, or agency relationship between the Parties. Each Party is solely responsible for payment of all compensation owed to its Representatives, as well as employment related taxes.

8.9. **Notice.** Any notice or other document or communication required or permitted hereunder to the parties hereto will be deemed to have been duly given only if in writing and delivered by any of the following methods: (i) certified U.S. mail, return receipt requested, postage prepaid, to the address of the receiving party as set forth below or such other address as such party may dictate according to the notice provisions hereof (for notice being transmitted entirely within the United States); (ii) overnight courier service by Federal Express or other international courier of similar standing and reputation to the address of the receiving party as set forth below or such other address as such party may dictate according to the notice provisions hereof; (iii) hand delivery to the person specified below or any other person so designated according to the notice provisions hereof; or (iv) facsimile directed to the person specified below at the facsimile number listed below, or such other person or facsimile number so designated according to the notice provisions hereof; with a copy of all such notices delivered to counsel specified below or as such party may dictate in

accordance with the notice provisions hereof. Notices shall be deemed delivered when received by the Party being notified.

If to the BloodPAC, all notices shall be addressed and delivered to:

BloodPAC c/o CCSR
Attention: Lauren Leiman
400 Lathrop Avenue, Ste. 90
River Forest, IL 60305

With a copy to:

Rich May, P.C.
176 Federal Street
Boston, MA 02110
Attn: Robert P. Tedesco

If to Partner, all notices shall be addressed and delivered to:

8.10. **Publicity.** Neither party shall use any trademark, service mark, logo or other designation of origin of the other party or any of its Affiliates without the prior written consent of the other party or the applicable Affiliate. Either party may disclose the other party's participation in the Project, provided such disclosure does not state or imply any endorsement by or affiliation with such other party.

8.11. **Waivers.** No purported waiver by any Party of any default by any other Party of any term or provision contained herein (whether by omission, delay or otherwise) shall be deemed to be a waiver of such term or provision unless the waiver is in writing and signed by the waiving Party. No such waiver in any event shall be deemed a waiver of any subsequent default under the same or any other term or provision contained herein.

[Signature Page Follows]

IN WITNESS WHEREOF, the Parties have caused this agreement to be executed and delivered by their respective, duly authorized representatives.

Center for Computational Science Research, Inc. _____

By: _____

By: _____

Its: _____

Its: _____

Exhibit A
Definitions

“**Affiliate**” of an entity means any entity which, directly or indirectly, controls, is controlled by or is under common control with such entity, where control means the ability to direct the affairs of an entity through ownership of voting interest, contract rights or otherwise.

“**Agreement**” has the meaning set forth in the preamble.

“**Applicable Laws**” means all applicable laws, regulations, court orders, and other rules of any Governmental Authority.

“**Authorized User**” means a user of the Platform that has been authorized to access the Contributed Data.

“**BloodPAC**” has the meaning set forth in the preamble.

“**Claims**” has the meaning set forth in Section 6.3.

“**Contributed Data**” has the meaning set forth in the preamble.

“**Partner**” has the meaning set forth in the preamble.

“**Effective Date**” has the meaning set forth in the preamble.

“**Governmental Authority**” means any transnational, domestic or foreign federal, state or local, governmental authority or any court, administrative agency or regulatory authority constituted or administered thereby, including any political subdivision thereof.

“**Intellectual Property Rights**” means all forms of intellectual property rights and protections including all: (i) patents and patent applications; (ii) copyrights, whether or not registered, mask works, and any other similar rights; (iii) trade secrets and other similar rights; (iv) trademarks, service marks, domain names, and other indications of origin and any and all goodwill associated therewith; (v) data and database rights; and (vi) any rights that are equivalent or similar to the foregoing.

“**Project Data**” has the meaning set forth in the preamble.

“**Parties**” has the meaning set forth in the preamble.

“**Platform**” has the meaning set forth in the recitals.

“**Representatives**” means a Party’s or the Party’s Affiliates respective directors, officers, partners, members, employees, experts, accountants, counsel, financial advisors, agents and consultants.

“**Restricted Data**” means:

(i) any information that is regulated by: (A) any applicable national, federal, state or local law, rule, directive or regulation relating to the privacy of personal information, including, without limitation, the Health Insurance Portability and Accountability Act of 1996 the Directive 95/46/EC of the European Parliament and of the Council dated 24th October 1995, any subordinate legislation passed under that Directive and any other similar law or regulation; (B) any privacy policy or practice applicable to any personal information that Partner accesses, uses, collects, or maintains hereunder, including, without limitation any practice required in connection with the processing of credit card data; or (C) any law or regulation concerning the notification to data subjects, law enforcement or other third parties of the occurrence of any actual or suspected disclosure of restricted data or personally identifiable information, including, without limitation, Section 1798.82 of the California Civil Code; or

(ii) any information or data that is owned by or exclusively licensed to any person or entity, or in respect of which the use, retention, duplication, or disclosure thereof, is restricted by any person or entity (including any Governmental Authority).

“**Term**” has the meaning set forth in Section 7.1.

Exhibit B
Contributed Data

Project Data:
[Describe contributed Genomic Data]

Clinical Data:
[Describe contributed Clinical Data]

Image Data:
[Describe contributed Image Data]

Other Data:
[Describe contributed Other Data]

Exhibit C
Authorized User Terms

1. [Authorized User Terms]
 - a. Any researcher who completes and agrees to the terms in the Data Commons Services Agreement and agrees to follow the policies in the Privacy and Security Agreement may access the data.

Exhibit D
Contributed Data Specific Terms

1. Authorization of Authorized Users

- a. Users of the system will be authenticated through OAuth 2.0 and authorized by a database maintained by the BloodPAC for this purpose.
- b. BloodPAC shall provide access to the Contributed Data only to its Representatives and to Authorized Users who have agreed to comply with the Authorized User Terms, and shall not disclose, release, reveal, show, sell, rent, lease, loan or otherwise grant access to the Contributed Data to any other person
- c. BloodPAC shall not use or authorize any other person to use the Contributed Data for any purpose other than the BloodPAC Project

2. Data Security

- a. The Platform will be managed and operated using the same policies, processes and controls that are used to operate a FISMA Moderate System. Specific deviations from these policies, processes and controls will be documented and maintained in a BPA System Security Plan.
- b. Security incidents (including without limitation any access or use of the Contributed Data for a purpose other than the BloodPAC Project) will be reported to the Data Steward (as defined in the Privacy and Security Agreement), who will be responsible for informing any contributors of data that are affected within 24 hours.