This Five-Year Extension to Restated and Amended IRB Reciprocity Agreement Memorandum of Understanding ("Extension"), having an effective date of July 1, 2020 ("Effective Date"), is between the Extension Parties (as defined below) and any institutions who may be added to this Master Reciprocity Agreement at a future date.

The Extension Parties entered into a Restated and Amended IRB Master Reciprocity Agreement Memorandum of Understanding effective July 1, 2015 ("Agreement"), concerning the reciprocal use of each other’s Institutional Review Boards ("IRBs") for research that will be conducted by investigators at those institutions.

Paragraph XIII(B) of the Agreement states, “The term of this Master Reciprocity Agreement may be extended if the parties agree in writing to renew it for additional five-year periods.”

The Extension Parties now desire to extend the term of the Agreement pursuant to Paragraph XII(B), as more particularly set forth below:

1. The Extension Parties desire to extend the term for an additional five (5) years so that the Agreement shall remain effective and expire June 30, 2025 unless further extended.

2. The Agreement and Appendices thereto shall remain in full force and effect, except all references to Clinical Trials Express (“CTX”) shall be removed, and all lists of Participating Institutions shall be updated to include only Extension Parties and not parties to the Agreement who decline to extend the Agreement beyond June 30, 2020.


4. The Extension Parties agree and understand that additional Participating Institutions may be added as Extension Parties to this Agreement by completing and executing an Amendment substantially in the form of Appendix 1 to the Agreement.

NOW, THEREFORE, in consideration of the mutual promises set forth herein and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Extension Parties promise and agree as follows:

The undersigned have read and agreed to all of the terms above, and have the authority to bind their respective Participating Institutions. Written concurrence is required for this Master Reciprocity Agreement to have legal effect, as memorialized by signature below.
THE UNIVERSITY OF TEXAS AT ARLINGTON (UTA)
IRB Organization #: IORG0001464
Federalwide Assurance #: FWA00001762
IRB Registration #: IRB00005768

Signature: ___________________________ Date: 5/15/2020
Name: James P. Grover Title: Interim Vice President for Research

UT Arlington IRB Contact
Phone: 817.272.3723
Fax: 817.272.5808
Email: regulatoryservices@uta.edu
Website: http://www.uta.edu/research/administration/departments/rs/human-subjects-irb/

UT Arlington Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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THE UNIVERSITY OF TEXAS AT AUSTIN (UT AUSTIN)
IRB Organization #: IORG0000091
Federalwide Assurance #: FWA00002030
IRB Registration #: IRB00000130

Name: Alison R. Preston
Title: Interim Vice President for Research

UT Austin IRB Contact
Phone: 512.471.8871
Fax: 512.471.8873
Email: orsc@uts.cc.utexas.edu
Website: http://www.utexas.edu/research/rsc/humansubjects/

UT Austin Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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</table>
THE UNIVERSITY OF TEXAS AT DALLAS (UTD)
IRB Organization #: IORG0000054
Federalwide Assurance #: FWA00005412
IRB Registration #: IRB00000076

Signature: ________________________ Date: 6/18/2020
Joseph Pancrazio, Ph.D.
Vice President for Research

UTD IRB Contact
The University of Texas at Dallas
Phone: 972.883.4579
Fax: 972.883.4569
http://www.utdallas.edu/research/orc/irb/

UT Dallas Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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</table>
UTEP IRB Contact
Email: afester@utep.edu
Phone: 915-747-8841
Website: http://research.utep.edu/Default.aspx?tabid=72130

UT El Paso Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN (UTPB)

IRB Organization #: IORG0005915
Federalwide Assurance #: FWA00014669
IRB Registration #: IRB00007130

Signature: [Signature]
Sandy Woodley
President

Date: 5/18/2020

UTPB IRB Contact
Phone: 432.552.2361
Website http://www.utpb.edu/research-grants/institutional-review-board-(irb)

UT Permian Basin Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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UT Rio Grande Valley Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # in table below):

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THE UNIVERSITY OF TEXAS AT SAN ANTONIO (UTSA)

IRB Organization #: IORG0002490
Federalwide Assurance #: FWA00003861
IRB Registration #: IRB00003048

Signature: __________________________  Date: 06/24/20

Name: Bernard Arulanandam, Ph.D., MBA

Title: Vice President for Research, Economic Development, and Knowledge Enterprise and Institutional Official

UTSA IRB Contact
Phone (210) 458-6473
FAX (210) 458-6966
Email: irb@utsa.edu
Website: http://vpr.utsa.edu/oric/irb/

UT San Antonio Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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THE UNIVERSITY OF TEXAS AT TYLER (UTT)
IRB Organization #: IORG0004460
Federalwide Assurance #: FWA00009775
IRB Registration #: IRB000005292

Signature: [Signature] Date: 1/2/2018

Name: Dr. Amir Mirmiran
Title: Provost & VP Academic Affairs

UTT IRB Contact
Phone: 903.565.5858
Email: research@uttyler.edu
Website: https://www.uttyler.edu/research/compliance/irb/

UT Tyler Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON (UTHEALTH)
IRB Organization #: IORG0000188
Federalwide Assurance #: FWA00000667
IRB Registration #: IRB00000308, IRB00003763, IRB00004604, IRB00008445

Signature: ________________________ Date: 06/12/2020
Michael Blackburn, PhD
Executive Vice President and Chief Academic Officer

UTHealth IRB Contact
Phone 713.500.7943
Fax: 713.500.7951
Email: cphs@uth.tmc.edu
Website: https://www.uth.edu/CPHS/

UTHealth Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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<tr>
<td>Memorial Hermann Hospital</td>
<td>FWA000003022</td>
</tr>
<tr>
<td>Harris Health System</td>
<td>FWA00000369</td>
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</tbody>
</table>
THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT TYLER (UTHSCT Tyler)
IRB Organization #: IORG0000370
Federalwide Assurance #: FWA00003494
IRB Registration #: IRB00000627, IRB00002921

Signature: [Signature]
Date: June 18, 2020

Name: Kirk Calhoun, MD
Title: UTHSCT President

UTHSCT Tyler IRB Contact:
Phone: 903.877.7649
Fax: 903.877.5513
Email: corinne.warren@uthct.edu
Website:

UTHSCT Tyler Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (If applicable) in table below):

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<td>The University of Texas at El Paso</td>
<td>FWA 00001224</td>
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<td>The University of Texas at Tyler</td>
<td>FWA 00003494</td>
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<tr>
<td>The University of Texas MD Anderson Cancer Center</td>
<td>FWA 0000363</td>
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<tr>
<td>The University of Texas Rio Grande Valley</td>
<td>FWA 0000805</td>
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<tr>
<td>The University of Texas Southwestern Medical Center</td>
<td>FWA 00005087</td>
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THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER (UTMDACC)

IRB Organization #: IORG0000083
Federalwide Assurance #: FWA00000363
IRB Registration #: IRB00000121, IRB00002203, IRB00003869, IRB00005015, IRB00006023

Signature: __________________________
Name: _____________________________
Title: Vice President ad interim Clinical Research

UTMDACC IRB Contact:
Phone: 713.792.2933
Fax: 713.794.4589
Email: IRB_help@mdanderson.org

UTMDACC Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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6/18/2020 | 7:37 AM CDT
Jennifer Litton, MD

Jennifer Litton, MD
THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON (UTMB)

IRB Organization #: IORG0000137
Federalwide Assurance #: FWA00002729
IRB Registration#: IRB00000757, IRB00000232

Signature: ___________________________ Date: 06/15/2020

Anish Bhardwaj, M.D., M.B.A.,
CPE, FACMPE, FACHE, FAHA, FCCM, FAAN, FANA
Vice Provost

UTMB IRB Contact
Phone: 409.266.9475
Fax: 409.266.9499
Email: akclark@utmb.edu
Website: http://research.utmb.edu/IRB/Default.aspx

UTMB Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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ANGELO STATE UNIVERSITY (ASU)
IRB Organization #: IORG0002194
Federalwide Assurance #: FWA00003083
IRB Registration #: IRB00002725

Signature: [Signature]
Date: 06/22/2020

Name: Michael Salisbury

Title: Dean, College of Grad Studies and Research

ASU IRB Contact:
Phone: 325-486-6121
Email: teresa.hack@angelo.edu
Website: https://www.angelo.edu/research/compliance/protection/human-subjects.php

Angelo State University Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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</table>
BAYLOR COLLEGE OF MEDICINE (BCM)
IRB Organization #: IORG0000055
Federalwide Assurance #: FWA00000286
IRB Registration #: IRB00000077, IRB00001019, IRB00001020, IRB00001021, IRB00002649, IRB00002650

Signature: __________________ Date: 06/16/2020

Mary E. Dickinson, PhD
Vice President and Dean of Research
Institutional Official

BCM IRB Contact:
Phone: (713) 798-6970
Email: irb@bcm.edu
Website: https://www.bcm.edu/research/clinical-trials/institutional-review-board

BCM Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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<td>Doctors Hospital at Renaissance, Ltd.</td>
<td>FWA00014304</td>
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<tr>
<td>Harris Health System</td>
<td>FWA00000369</td>
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<tr>
<td>Kelsey-Seybold Clinic</td>
<td>FWA00000365</td>
</tr>
<tr>
<td>Memorial Hermann Healthcare System</td>
<td>FWA00003022</td>
</tr>
<tr>
<td>Children’s Hospital of San Antonio (CHRISTUS)</td>
<td>FWA00022944</td>
</tr>
<tr>
<td>Baylor St. Luke’s Medical Center</td>
<td>FWA00002312</td>
</tr>
<tr>
<td>Texas Children's Hospital</td>
<td>FWA00000485</td>
</tr>
<tr>
<td>The Methodist Hospital</td>
<td>FWA00000438</td>
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</tbody>
</table>
THE METHODIST HOSPITAL SYSTEM (METHODIST)

The Methodist Hospital d/b/a Houston Methodist
IRB Organization #: IORG00004219
Federalwide Assurance #: FWA00000438
IRB Registration #: IRB00005005

Signature:                      Date:       June 30, 2020

Name:  Edward A. Jones, MBA

Title:  President & CEO, Houston Methodist Research Institute

Methodist IRB Contact:
Phone: 346-356-1413
Email: mkclancy@houstonmethodist.org
Website: https://www.houstonmethodist.org/research/about-us/academic-administration/research-affairs/research-protections/

Methodist Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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5-Year Extension to IRB Reciprocity Master Agreement
Effective July 1, 2020-June 30, 2025
RICE UNIVERSITY (RICE)
IRB Organization #: IORG0002503
Federalwide Assurance #: FWA00003890
IRB Registration #: IRB00003061

Signature: ________________________ Date: 6/3/20 ______________

Name: Krystal Toups __________________________

Title: __ Assistant Vice Provost __________________________

Rice IRB Contact:
Phone: 713-348-3586 __________
Email: irb@rice.edu __________
Website: https://compliance.rice.edu/irb __________

Rice Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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TEXAS CHRISTIAN UNIVERSITY (TCU)

IRB Organization #: IORG0002129 TCU
Federalwide Assurance #: FWA00022286
IRB Registration #: IRB00002653

Signature: [Signature] Date: 6/29/2020

Name: Floyd L. Wormley Jr., PhD
Title: Associate Provost for Research

TCU IRB Contact:
Name: Floyd L. Wormley Jr., PhD
Phone: 817-257-7104
Email: research@tcu.edu
Website: https://research.tcu.edu

TCU Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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**TEXAS TECH UNIVERSITY (TTU)**

IRB Organization #: IORG0000166  
Federalwide Assurance #:FWA00001568  
IRB Registration #: IRB00000276

**Alice Young**  
Digitally signed by Alice Young  
Date: 2020.06.22 14:15:12-05'00'

Name: Alice Young, Ph.D.

Title: Institutional Official, Associate Vice President for Research, Responsible Research

**TTU IRB Contact:**
Phone: 806-742-2064  
Email: hrpp@ttu.edu  
Website: www.hrpp.ttu.edu

**Texas Tech University Affiliated Organizations:** Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER AT EL PASO (TEXAS TECH)

IRB Organization #: IORG0008299Federalwide Assurance #: FWA_00020736
IRB Registration #: IRB00009945: IRB00009946

Signature: [Signature] Date: 06/09/2020

Name: David P. Cistola, M.D., Ph.D.

Title: Interim Vice President for Research, FWA Signatory Official

Signature: [Signature] Date: 6/25/2020

Name: Richard A. Lange, M.D., M.B.A

Title: President

Texas Tech IRB Contact:
Phone: (915) 215-4590
Email: Myrna.Arviso@ttuhsc.edu
Website: http://elpasos.ttuhs.edu/research/irb/default.aspx

Texas Tech HSC Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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5-Year Extension to IRB Reciprocity Master Agreement
Effective July 1, 2020-June 30, 2025
THE TEXAS TECH UNIVERSITY HEALTH SCIENCE CENTER (TEXAS TECH)

IRB Organization #: IORG0000069
Federalwide Assurance #: FWA00006767
IRB Registration #: IRB00000096; IRB00000097

Signature: ____________________________ Date: ________May 15 2020__________
Name: Min H Kang ____________________
Title: Interim Senior Vice President of Research

Texas Tech HSC IRB Contact:
Phone: 806-743-3496
Email: Michael.blanton@ttuhsc.edu
Website: https://www.ttuhsc.edu/research/divisions/integrity-office/review-board/default.aspx

Texas Tech HSC Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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THE UNIVERSITY OF HOUSTON (UH)
IRB Organization #: IORG0000060
Federalwide Assurance #: FWA00005994
IRB Registration #: IRB00000083, IRB00001711, IRB000010706

Signature: [Signature] Date: 6/16/2020
Name: Amr Elnashai, FREng

Title: Vice Chancellor for Research and Technology Transfer, UH System/Vice President for Research and Technology Transfer, UH

UH IRB Contact:
Phone: 713-743-9740
Email: kmholzsc@central.uh.edu
Website: https://uh.edu/research/compliance/irb/

UH Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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THE UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER (UNTHSC)

IRB Organization #: IORG0000415
Federalwide Assurance #: FWA00005755
IRB Registration #: IRB00000702

Signature: Brian A. Gladue, PhD, CIP
Date: 6/30/2020

Name: Brian A. Gladue, PhD, CIP
Title: Vice President for Research

UNTHSC IRB Contact:
Phone: 817-735-5083
Email: Brian.Gladue@unthsc.edu
Website: unthsc.edu/north-texas-regional-irb

UNTHSC Affiliated Organizations: Organizations that rely on IRBs at Participating Institution which are a party to this Master Reciprocity Agreement and have agreed to participate in this Master Reciprocity Agreement under a separate agreement between the Participating Institution and the Affiliated Organization (list names of Affiliated Organization and its Federalwide Assurance # (if applicable) in table below):

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<td>North Texas Regional IRB #1 - UNTHSC</td>
<td>FWA00005755</td>
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APPENDIX 1
Template to Add a Participating Institution to this Master Reciprocity Agreement

ADDENDUM TO MASTER RECIPROCITY AGREEMENT
(Adding a Participating Institution)

This Addendum to the Master Reciprocity Agreement (“Addendum”) is made and entered into as of [June 30, 2020] by and between the Participating Institutions named in the Master Reciprocity Agreement and Texas A&M University, a Texas institution of higher education, the purpose of which is to add Texas A&M University as a Participating Institution to this Master Reciprocity Agreement.

RECITALS

A. The Participating Institutions of the Master Reciprocity Agreement having an Effective Date of July 1, 2015 as extended through June 30, 2025 wish to add Texas A&M University as a Participating Institution to this Master Reciprocity Agreement.

NOW, THEREFORE, it is hereby agreed as follows:

1. The Master Reciprocity Agreement is amended to add Texas A&M University as a Participating Institution hereto.

2. Except as expressly provided in this Addendum, all other terms, conditions and provisions of the Master Reciprocity Agreement shall continue in full force and effect as provided therein.

IN WITNESS WHEREOF, Participating Institutions (signed by an authorized representative of The University of Texas System) and Texas A&M University, a new Participating Institution to the Master Reciprocity Agreement have entered into this Addendum effective as of the date first set forth above.

THE UNIVERSITY OF TEXAS SYSTEM
(UT System signatory signing on behalf of all Participating Institutions)

PARTICIPATING INSTITUTION:
Texas A&M University

IRB Organization #: IORG0000238
Federalwide Assurance #: FWA00000092
IRB Registration #: IRB00000397

Signature: ____________________________
Name: ________________________________
Title: ________________________________
Date: ________________________________

Signature: ____________________________
Name: Aliese Seawright, MS, CIP
Title: Director - Human Research Protection Program
Date: June 30, 2020