

Recipient – EPA MTA #

Agr-12251

Short Title

Date Last Saved: October 15, 2015

## MATERIALS TRANSFER AGREEMENT

### Provider:

U.S. Environmental Protection Agency (EPA)  
Office of Research and Development (ORD)  
National Center for Computational Toxicology (NCCT)

### Recipient:

Icahn School of Medicine at Mount Sinai  
Research Material should be sent to:  
Atran Berg Laboratory Building  
Floor 3 Room 0021428  
Madison Avenue New York, NY 10029  
Attn: SYAM ANDRA, PH.D. (212-241-7369)

1a. Provider agrees to transfer to Recipient's Investigator named below the following Research Material:

#### Chemicals and Materials

- A list identifying selected chemicals from the ToxCast chemical library to be tested by \_\_\_\_\_ ("Recipient Investigator") at Recipient.
- A copy of the current ToxCast chemical library, or subset, consisting of chemical samples prepared as solution in dimethyl sulfoxide. Additional chemicals may be provided in the future concurrent with expansion of the ToxCast chemical library.
- Samples of nanomaterials and characterization data on said materials

#### Data and Summary Information

- In vitro assay data derived from the ToxCast Program. This data is derived from chemicals analyzed using a variety of high throughput assay techniques. Below this is referred to as the "ToxCast Data".
- In vivo whole animal toxicology data summary data derived from the EPA Toxicology Reference Database (ToxRefDB). Below this is referred to as the "ToxRefDB Data".
- Summary descriptions of the individual data sets.
- Individual subsets of this data will be delivered to recipient after they have been prepared for use at EPA and cleared for release.

1b. The Recipient agrees to transfer to the EPA Investigator named below the following Research Material:

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- All data or data summaries resulting from chemical screening performed on the ToxCast chemical library in both binary data file formats and, where necessary, in open file formats.
- Results of any data analyses that include use of provided ToxCast or ToxRef data.
- Relevant data on these chemicals from non-public sources.
- Unique chemicals for the ToxCast chemical library and subsequent testing by EPA.

2. This Research Material may not be used in human subjects. The Research Material will be used only for research purposes by Recipient Investigator in his/her laboratory, for the research project described below, under suitable containment conditions. This Research Material will not be used for screening, production or sale, for which a commercialization license may be required. Recipient agrees to comply with all Federal rules and regulations applicable to the Research Project and the handling of the Research Material.

3. Does the Research Material include specimens or data derived or collected from human subjects?

- Yes – Go to item #3(a).  
 No – Skip to item #4.

3(a). Does the Research Material include specimens or data derived or collected from fetuses, children, pregnant women, or nursing women?

- Yes  
 No

3(b). Was the Research Material obtained under a protocol that was reviewed and approved by an Institutional Review Board (IRB) that operated in accordance with the requirements of EPA Regulation 40 CFR 26, HHS Regulation 45 CFR 46, or any other Federal Regulation for the protection of human research subjects?

- Yes (Please indicate the applicable Regulation here \_\_\_\_\_ and provide copies of the protocol and IRB approval documents.)  
 No (Please provide explanation with documentary support as appropriate.)

3(c). Can the Provider of the Research Material identify the subjects directly or through identifiers (codes) linked to the subjects?

- Yes – The Recipient’s use of the Research Material may be human subject’s research subject to 40 CFR 26. Go to item #3(d).  
 No – The Recipient’s use of the Research Material is not human subjects research subject to 40 CFR 26. Skip to item #4.

3(d). Is the Provider of the Research Material prohibited by this agreement from

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releasing information to the Recipient that might allow the identification of any of the subjects, including but not limited to the key to any existing code?

Yes – The Recipient’s use of the Research Material is not human subjects research subject to 40 CFR 26. Skip to item #4.

No – The Recipient’s use of the Research Material may be human subjects research subject to 40 CFR 26. Go to item #3(e).

3(e). Is the Research Material publicly available?

Yes – The Recipient’s use of the Research Material is human subjects research that is exempt from 40 CFR 26.

No – The Recipient’s use of the Research Material is human subjects research that may be subject to 40 CFR 26 and must be further evaluated accordingly by the EPA Human Subjects Review Official.

4. This Research Material will be used by Recipient Investigator solely in connection with the following research project ("Research Project") described with specificity as follows:

The ToxCast chemical standards mixtures will be analyzed in our lab on the QTOF-LC/MS (high resolution mass spectrometry approach) to generate spectral data for the compounds identification and mass spectral library building for future research and reference purposes.

5. In all oral presentations or written publications concerning the Research Project, Recipient will acknowledge Provider's contribution of this Research Material unless requested otherwise. To the extent permitted by law, Recipient agrees to treat as confidential, any of Provider's written information about this Research Material that is stamped "CONFIDENTIAL" ("Confidential Information") for a period of three (3) years from the date of its disclosure to recipient. Any oral disclosures from Provider to Recipient which Provider wishes to be treated as confidential shall be identified as being Confidential at the time of the disclosure and by written notice delivered to Recipient within thirty (30) days after the date of the oral disclosure. The foregoing shall not apply to information that: (i) is or later becomes publicly available; (ii) which is disclosed to Recipient by a third party without a confidentiality obligation; (iii) was already in Recipient's possession prior to disclosure by Provider; or (iv) is developed independently by Recipient. In addition, Recipient may disclose Confidential Information of Provider to the extent required by law, court order, or other legal authority with jurisdiction, provided that the Recipient promptly informs the Provider in writing of such requirement (to the extent legally permissible) and complies, at the Provider's written request and expense, with the Provider's legal efforts to prevent or limit the scope of such required disclosure. In the event such legally compelled disclosure is made as permitted hereunder, Recipient shall continue in all other ways to maintain the confidentiality obligations and use restrictions herein with respect to such information. Recipient may publish or otherwise publicly disclose the results of the Research Project, but if Provider has given Confidential Information to Recipient, such public disclosure may be made only after Provider has had thirty (30) days to review the proposed

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disclosure to determine if it includes any Confidential Information, to the extent such review period is permitted by law. If Recipient has not received a response from Provider within such thirty (30) review period then Recipient is free to publish the results of the Research Project without further obligation to Provider.

6. This Research Material represents a significant investment on the part of Provider and is considered proprietary to Provider. Recipient Investigator therefore agrees to retain control over this Research Material and further agrees not to transfer the Research Material to other people not under his/her direct supervision without advance written approval of Provider. Provider reserves the right to distribute the Research Material to others and to use it for its own purposes. When the Research Project is completed, the Research Material will be returned to the Provider or disposed, if directed by Provider.

7. This Research Material is provided as a service to the research community. It is being supplied to Recipient with no warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. Provider makes no representations that the use of the Research Material will not infringe any patent or proprietary rights of third parties.

8. Recipient shall retain title to any patent or other intellectual property rights in inventions made by its employees in the course of the Research Project. However, if said inventions contain any portion of the Research Material, are derived from the Research Material, agrees to contact the Provider to determine what ownership interests, if any, the Provider may have, and, where applicable, to negotiate in good faith joint ownership. Inventorship for a patent application or a commercialized product based on said inventions shall be determined according to United States patent law. Ownership will follow inventorship.

9. When Provider is the EPA: Recipient agrees not to claim, infer, or imply endorsement by the Government of the United States of America (hereinafter referred to as "Government") of the Research Project, the institution or personnel conducting the Research Project or any resulting product(s). Recipient agrees to hold the Government harmless and to indemnify the Government for all liabilities, demands, damages, expenses and losses arising out of Recipient's use for any purpose of the Research Material.

10. When Recipient is the EPA: Provider will not be liable to EPA for any claims or damages arising from EPA's use of the Research Material.

11. The Provider shall have the right to terminate this Agreement at any time if Recipient breaches any of the terms of this Agreement. Upon termination, Recipient shall return to the Provider all unused portions of the Research Materials.

12. Will EPA develop any products or services from information or materials provided by the

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Recipient?

Yes – go to item A

No – skip to #13 (next clause)

Item A: The EPA has a long history of applying principles of quality assurance/quality control to all technical work conducted by or for the Agency (CIO 2106: USEPA Quality Policy). Given EPA is receiving metabolomics and screening data and will use the metabolomics and screening data for Agency purposes, the Recipient is required to provide EPA with documentation such as a quality manual, describing their organization's quality system. In lieu of such documentation, Standard Operating Protocols for compound handling and the assays performed are acceptable or documentation showing third party accreditation to a relevant standard and scope is also acceptable for documenting an organization's quality system. EPA requirements for quality management plans can be found at this URL:  
[http://www.epa.gov/quality/qa\\_docs.html](http://www.epa.gov/quality/qa_docs.html)

13. All notices pertaining to or required by this Agreement shall be in writing and shall be signed by an authorized representative and shall be delivered by hand (including private courier mail service) or sent by certified mail, return receipt requested, with postage prepaid, addressed as follows:

**Provider's Contact Information:**

Russell Thomas, Ph.D.  
National Center for Computational Toxicology (NCCT)  
US EPA  
109 TW Alexander (MD-D143-02)  
Research Triangle Park, NC 27711  
Tel: 919-541-5776  
Thomas.russell@epa.gov

With a copy to:

Sandra Roberts  
National Center for Computational Toxicology (NCCT)  
US EPA  
109 TW Alexander (MD-D143-02)  
Research Triangle Park, NC 27711  
919-541-3850

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Roberts.sandra@epa.gov

For commercial courier address use:

4930 Old Page Rd.  
Durham, NC 27703

**Recipient's Contact Information:**

Robert Hellauer  
Director, Finance & Operations  
Mount Sinai Innovation Partners  
150 East 42<sup>nd</sup> Street, Suite 2-B.19  
New York, NY 10017  
msip.contracts@mssm.edu

**With a copy to:**

Syam S. Andra, PhD  
Atran Berg Laboratory Building Floor 3  
Room 002  
1428 Madison Avenue  
New York, NY 10029

14. Paragraphs 2, 7, 9 and 10 shall survive termination.

15. Reserved.

16. The undersigned Provider and Recipient expressly certify and affirm that the contents of any statements made herein are truthful and accurate.

17. This agreement shall enter into force as of the date of the last signature of the parties and shall remain in effect for one year from said date.

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**SIGNATURES**

**FOR THE RECIPIENT:**

*Authorized Representative of Institution*

<u>Robert M Hellaw</u>		<u>OCT. 18 2016</u>
Representative's Name	ROBERT HELLAWE	Date
Title	DIRECTOR	

READ AND ACKNOWLEDGED BY:

*Principal Investigator*

<u>SYAM S. ANDRA</u>		<u>20 OCT 2016</u>
Name		Date
Title:	ASS. PROFESSOR	
Email address:	syam.andra@mssm.edu	

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**CERTIFICATION OF NO CONFLICT OF INTEREST (EPA ONLY)**

I hereby certify that neither I nor any member of my immediate family will benefit in any material way from the execution or failure to execute the attached FTTA Cooperative Agreement or Licensing Agreement except to the extent of participation in royalty sharing as authorized by section 13 of the Stevenson-Wydler Technology Innovation Act, as amended by the Federal Technology Transfer Act of 1986 (15 U.S.C. 3710a et seq.).

I further certify that I have no knowledge of any such conflict by any other person who has participated in any material way in the initiation, design or development of the attached Agreement or who will participate in carrying it out.

Signed: Russell Thomas

Name: Russell Thomas

Title: Director, NCCT

\*\*\*\*\*

**FOR THE PROVIDER:**

*Principal Investigator*

AW Williams  
Antony Williams, Ph.D.  
williams.antony@epa.gov

September 22<sup>nd</sup> 2016  
Date

*Authorized Representative of Institution*

Russell Thomas  
Russell Thomas, Ph.D.

9/23/16  
Date



Mt. Sinai – EPA MTA #935-16

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Director, EPA/ORD/NCCT

Any false or misleading statements made, presented, or submitted to the Government, including any material omissions, under this Agreement and during the course of negotiation of this Agreement are subject to all applicable civil and criminal statutes including 31 U.S.C. ' ' 3801-3812 (civil liability), 18 U.S.C. ' 1001 (criminal liability), and 31 U.S.C. ' ' 3729-33 (False Claims Act).