# MATERIALS TRANSFER AGREEMENT

#### Provider:

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

## Recipient:

The Governors of the University of Alberta 4000, 10230 Jasper Avenue Edmonton, Alberta T5J 4P6

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

# Chemicals and Materials

- X A list identifying selected chemicals from the ToxCast chemical library to be tested by Dr. David Wishart ("Recipient Investigator") at Recipient.
- X A copy of the current ToxCast chemical library, or subset, consisting of chemical samples prepared as solution in dimethyl sulfoxide ("Research Material"). 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, Antony Williams, the following Research Results:
  - X All data or data summaries resulting from chemical screening performed on the ToxCast chemical library in open mass spectrometry file formats.

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

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 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 materials will be used for the generation of mass spectrometry data to perform compound identification and analysis. A copy of the experimental data will be made available to NCCT in appropriate mass spectrometry file formats for the purpose of internal hosting and analysis. A copy of the data will also be made publically available through existing or new databases of the Recipient.
- 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" for a period of three (3) years from the date of its disclosure to Recipient. The foregoing shall not apply to information that is or becomes publicly available or which is disclosed to Recipient without a confidentiality obligation, was already in Recipient's possession prior to the effective date of this Agreement, or is independently developed by Recipient without use of Provider's Confidential information. 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. 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 disclosure to determine if it includes any Confidential information, to the extent such review period is permitted by law.
- 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, or could not have been produced but for the use of the Research Material, Recipient agrees to contact the Provider to determine what ownership interests, if any, the Provider may have, and, where applicable, to negotiate in good faith the terms of a commercial license. Inventorship for a patent application or a commercialized product based on said inventions shall be determined according to United States patent law.
- 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 Recipient?

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). 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,

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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. All data and data summaries provided by Recipient are provided "AS IS". RECIPIENT MAKES NO REPRESENTATIONS AND EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED. THERE ARE NO EXPRESS OR IMPLIED WARRANTIES AS TO THE ACCURACY OR FREEDOM FROM ERROR OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THAT THE USE OF THE DATA AND/OR DATA SUMMARIES WILL NOT INFRINGE ANY PATENT, COPYRIGHT, TRADEMARK, OR OTHER RIGHTS. Recipient will have no liability, consequential, special, punitive or otherwise, which might arise from EPA's us of the data and/or data summaries provided.

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)
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### With a copy to:

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US EPA
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Durham, NC 27703

# Recipient's Contact Information:

The Governors of the University of Alberta c/o TEC Edmonton
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With a copy to:

David Wishart 3-41 Athabasca Hall University of Alberta Edmonton, Alberta T6G 2R3 Phone: 780-492-0383

david.wishart@ualberta.ca

### Shipping address:

Rupasri Mandal/David Wishart (Direct) University of Alberta Z-207 Biological Sciences Building 11455 Saskatchewan Drive Edmonton, Alberta T6G 2R3, Canada

- 14. Paragraphs 2, 5, 7, 9 and 10 shall survive termination.
- 15. The undersigned Provider and Recipient expressly certify and affirm that the contents of any statements made herein are truthful and accurate.
- 16. 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.

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).