Harvard & Boston Childrens - BPA MTA #746-13

Date Last Saved: Jan 25, 2013

MATERIALS TRANSFER AGREEMENT

Provider:

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

Recipient:

Boston Children's Hospital 300 Longwood Ave. Boston, MA 02115

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

Chemicals and Materials

- A list identifying selected chemicals from the ToxCast library to be tested by the recipient.
- A copy of the current ToxCast chemical library consisting of chemical samples prepared
 as solution in dimethyl sulfoxide at a concentration of 20 millimolar. 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 ToxCast data will be delivered to the recipient after they have been
 prepared for use at BPA and cleared for release to the recipient.
- Predictions of exposure potential for chemicals from the ExpoCast project. Exposure potential estimates for
- 2. Recipient agrees to transfer to the EPA Investigator named below:

- A summary of data resulting from chemical screening performed on the ToxCast chemical library.
- 2. This Research Material may not be used in human subjects. The Research Material will be used only for research purposes by Recipient's Investigators 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.

	oes the Research Material include specimens of data derived of collected from human
	Yes - Go to item #3(a).
_X.	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 BPA Regulation 40 CFR 26, IHIS 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
	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 i	s 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 BPA
•	on Subjects Deview Official

4. This Research Material will be used by Recipient's Investigators solely in connection with the following research project ("Research Project") described with specificity as follows (Insert description here or use an attachment page if necessary):

The data from ToxCastDB and ToxRefDB will be considered for evaluation as part of Harvard's and Children's Hospital's research effort titled "The Very Early Onset Inflammatory Bowel Disease Project". One goal of this research effort is to elucidate the pathogenesis of VEO-IBD through identification of environmental factors that affect genetic and immune pathways relevant for VBO-IBD. This MTA is specifically for Project 3 of this research titled: Identification Of Environmental Pactors Affecting Very Early Onset IBD Pathogenesis. Overall these studies will identify new therapeutic options for VBO-IBD patients as well as reveal general pathogenic mechanisms that will shed light on our understanding of all IBD. EPA ToxCast and ExpoCast data will inform which chemicals may be important to FURTHER pursue in this Project.

- 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. 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's Investigators therefore agree 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

Date Last Saved: Jan 25, 2013

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 BPA: 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 BPA develop any products or services from information or materials provided by the Recipient?

	Yes – go to item A
х	No - skip to #13 (next clause)

Item A: The BPA has a long history of applying principles of quality assurance/quality control to all technical work conducted by or for the Agency (CIO 2106: USBPA Quality Policy). Given BPA is receiving metabolomics and screening data and will use the metabolomics and screening data for Agency purposes, the Recipient is required to provide BPA 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. BPA requirements for quality management plans can be found at this URL: 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:

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Provider's Administrative Contact Information:

Rebecca Clausen Assistant Director National Center for Computational Toxicology (NCCT) US EPA 109 TW Alexander (MD-B-205-01) Research Triangle Park, NC 27711 For commercial courier address use: 4930 Old Page Rd. Durham, NC 27703

Tel: 919-541-3416

Email: clausen.rebecca@epa.gov

Recipient's Contact Information:

Scott Snapper, M.D., Ph.D. Division of Gastroenterology and Nutrition Boston Children's Hospital Laboratory for Mucosal Immunology 300 Longwood Ave., Enders 676 Boston, MA 02115

Tel: 617-355-2962 Fax: 617-643-0195

Email: scott.snapper@childrens.harvard.edu

- 14. Paragraphs 2, 7, 9 and 10 shall survive termination.
- 15. This Agreement shall be construed in accordance with law as applied by the Federal courts in the District of Columbia.
- 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.

SIGNATURES FOR THE RECIPIENT: