

MATERIALS TRANSFER AGREEMENT

Provider: U.S. EPA Center for Computational Toxicology and Exposure (CCTE)

Provider Contact (not signator)

Name: Monica Linnenbrink

Address: 109 T.W. Alexander (MD-D143-02), Research Triangle Park, NC 27711

Phone: 919.541.1522

Email: linnenbrink.monica@epa.gov

Recipient: U.S. Army Chemical Biological Center, Research and Technology Directorate

Recipient Contact (not signator)

Name: Dr. Roman Kuperman

Address: FCDD-CBR-TM E5641, 8198 Blackhawk Road, APG, MD 21010-5424

Phone: 410.436.4697

Email: roman.g.kuperman.civ@mail.mil

1. Provider agrees to transfer to Recipient the following Research Material:

Per- and Polyfluoroalkyl Substances (PFAS). The list of PFAS chemicals is provided in a separate file.

2. This Research Material may not be used in human subjects. The Research Material will be used only for research purposes by Recipient's 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.

EPA ONLY: If the data or material that are being transferred constitute human subjects research, please visit the following intranet site to determine if your project needs review and approval by the HSRRO: <http://intranet.ord.epa.gov/p2/hsr/human-subjects-review>

There is no Human Subjects material being used in this research.

Research Plan reviewed and approval by HSRRO:

Name _____ Date ___/___/___

3. If the data or material that are being transferred involve life sciences research, or more specifically any of the select agents or toxins listed and/or the definitions provided in EPA Order 1000.19 *Policy and Procedures for Managing Dual Use Research of Concern*, then Principal Investigators should consult EPA's Institutional Contact for Dual Use Research of Concern

(ICDUR) at DURC@epa.gov before completing the following section. If not, then check the first box below.

- This research does not meet any of the definitions of Dual Use Research of Concern (DURC) and no additional review or oversight are required. The PI must report to the ICDUR any results or changes in the research that meet any of the definitions of DURC.
- This research meets one or more definitions of DURC and requires additional oversight under the *USG Policy for Institutional Oversight of DURC*. The parties to this Agreement are required to comply with EPA Order 1000.19, *Policy and Procedures for Managing Dual Use Research of Concern*.

For information about DURC and EPA Order 1000.19, please visit:

<http://intranet.ord.epa.gov/homeland-security/dual-use-research-concern-durc-policies>

4. This Research Material will be used by Recipient's investigator 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*):

Strategic Environmental Research and Development Program (SERDP) Project ER19-1041. The overall objective of this research is to develop empirical data for the uptake and elimination kinetics of PFAS in terrestrial organisms at different trophic levels in order to determine food-web bio magnification potentials. This project will investigate the competitive uptake and selective bioaccumulation of PFAS compounds at different trophic levels in two key terrestrial trophic-chains: soil → terrestrial plant → herbivore mammal, and soil → soil invertebrate → predatory amphibian.

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 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?

Yes – go to item A

No – skip to #13 (next clause)

Item A: The EPA laboratory must coordinate on matters related to Quality Assurance with their QA Specialist.

_____ If necessary, the Laboratory will develop/has developed a Quality Assurance Plan in coordination with the Quality Assurance Specialist.

_____ No QA requirements are needed.

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.
U.S. EPA Center for Computational Toxicology and Exposure (CCTE)
109 T.W. Alexander (MD-D143-02)
Research Triangle Park, NC 27711
919.541.5776
thomas.russell@epa.gov

With a copy to:

Patrice Borsz
U.S. EPA Center for Computational Toxicology and Exposure (CCTE)
109 T.W. Alexander (MC: E205-09)
Research Triangle Park, NC 27709
919.541.5233
borsz.patrice@epa.gov

For commercial courier address use:

4930 Old Page Road
Room# E211L
Durham, NC 27703

AND

Kathleen Graham
EPA FTTA Program Coordinator
303.312.6137
FTTA@epa.gov

Recipient's Contact Information:

Dr. Kyle P. Glover, Chief (acting) Toxicology and Obscurants Division
FCDD-CBR-T E3150
8198 Blackhawk Road

Aberdeen Proving Ground, MD 21010-5424
410.417.0298
kyle.p.glover.civ@mail.mil

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 (1) year from said date.

Authorized Representative of Institution SIGNATURES

FOR THE RECIPIENT

By: 
Eric Moore
Director, CCDC CBC
eric.l.moore6.civ@mail.mil

Date 12/3/19

FOR THE PROVIDER

By: 
Russell Thomas, Ph.D.
Director, Center for Computational Toxicology and Exposure
thomas.russell@epa.gov

Date 11/14/19