

Material Transfer Agreement for the NIH Molecular Libraries Small Molecule Repository (SMR) of the National Institutes of Health (NIH) Roadmap Molecular Libraries Program

Background Information

The NIH Roadmap Molecular Libraries Program (MLP) is a research program designed to develop small organic molecules that can be used as chemical probes to study the functions of genes, cells, and biochemical pathways, thereby providing new ways to explore the functions of major components of cells in health and disease (<http://mli.nih.gov>). Through this program's Molecular Libraries Probe Production Centers Network (MLPCN), biomedical researchers will have access to resources including: annotated information for compounds in the Molecular Libraries Small Molecule Repository (MLSMR) that are active in biological assays, assay automation and high-throughput screening, and synthetic chemistry capabilities that can be applied to the discovery and development of innovative chemical tools for use in biological research and as chemical platforms for therapeutics development outside of the MLPCN. The MLSMR will serve as a repository for selected small molecules (e.g., chemical compounds, biological materials, etc.) for use in the RESEARCH ACTIVITIES OF THE MLPCN. The MLPCN centers ("CENTERS") will use and further refine innovative, HTS-ready assays solicited from the research community through the scientific peer review process, screen a large number of molecules maintained in the MLSMR to identify compounds ("hits") that are active in the assay, and perform optimization chemistry to develop the hits into useful in vitro or in vivo chemical probes of the targets or phenotypes studied in the assays. The overall coordination and management of the activities funded by the NIH and carried out by the CENTERS, as well as the development, implementation and approval of data release, data sharing, intellectual property and all other policies, is the responsibility of the MLP Project Team ("MLP PT").

Structure information for all compounds in the MLSMR and all data generated by the CENTERS, which will include but will not be limited to: assay descriptions, protocols, and/or links to published assays used and/or refined in the CENTERS; performance data for assays and compounds; primary data from HTS and data generated in the secondary screen (e.g., EC50s, IC50s, AC50s, counter screens); chemical structures, synthesis protocols, and/or links to published synthesis protocols for chemical analogs of hits, for probes, and the biological activity of analogues and probes, will be deposited promptly upon data verification into PubChem (<http://pubchem.ncbi.nlm.nih.gov/>), a public database, where they will be available to all researchers, in both the public and private sectors, for further use in studying biology and disease.

Definitions

The MLP Project Team ("MLP PT") means the group of NIH personnel designated to manage and coordinate the activities of all of the MLP initiatives; the MLP PT also makes final decisions concerning the distribution of MATERIAL to the CENTER(S).

The MLPCN is comprised of a network of centers ("CENTER(S)") consisting of comprehensive screening, specialized screening, and specialized chemistry funded centers (<http://nihroadmap.nih.gov/molecularlibraries/fundedresearch.asp>).

The MLSMR, which is run through a contract under NIMH, serves as the central compound repository for the MLPCN and will acquire, store, maintain, and distribute the compound library to the MLPCN.

RESEARCH MATERIAL means all small molecules (e.g., biological materials and chemical compounds) transferred from PROVIDER to the MLSMR under this Agreement as listed in Appendix A.

INFORMATION means all data and information (e.g., methods of sample preparation and analytical chemistry data) transferred under this Agreement as listed in Appendix A.

MATERIAL means the RESEARCH MATERIAL and INFORMATION.

MLPCN DATA means all data and information generated by the MLPCN using RESEARCH MATERIAL and/or INFORMATION.

RESEARCH ACTIVITIES OF THE MLPCN (<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-08-005.htm>) means research activities funded under the NIH Roadmap Molecular Libraries Program and carried out by the CENTERS that include the following: assay optimization and implementation for HTS, using the HTS assay to screen a large number of molecules maintained in the MLSMR to identify compounds ("hits") that are active in the assay; using the secondary assay for hit confirmation; performing optimization chemistry (chemical analoging) to develop the hits into useful in vitro or in vivo chemical probes of the targets or phenotypes studied in the assays. RESEARCH ACTIVITIES OF THE MLPCN may also include performance of secondary assays for hit confirmation by the initial assay provider.

PROVIDER: _____

PROVIDER'S INVESTIGATOR: _____

RECIPIENT: NIH Molecular Libraries Small Molecule Repository (MLSMR) of the NIH Roadmap Molecular Libraries Program.

Terms and Conditions:

The PROVIDER and the RECIPIENT agree to the following for use of the MATERIAL in RESEARCH ACTIVITIES OF THE MLPCN.

- 1. The above MATERIAL is the property of the PROVIDER and will be made available to the RECIPIENT, and the RECIPIENT will make the MATERIAL available only for RESEARCH ACTIVITIES OF THE MLPCN and consistent with the same terms provided to RECIPIENT under this MTA.*
- 2. THE RESEARCH MATERIAL IS NOT FOR USE IN HUMAN SUBJECTS.*
- 3. The MATERIAL will be used by RECIPIENT(S) only for RESEARCH ACTIVITIES OF THE MLPCN.*
- 4. The MLP PT and RECIPIENT(S) will acknowledge the source of the MATERIAL (PROVIDER) as well as the NIH Roadmap Molecular Libraries Program in any publications by RECIPIENT and/or the MLP PT which result from research use of the MATERIAL.*
- 5. Any RESEARCH MATERIAL delivered pursuant to this Agreement is understood to be experimental in nature and may have hazardous properties. THE PROVIDER MAKES NO REPRESENTATIONS AND EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED. THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THAT THE USE OF THE MATERIAL WILL NOT INFRINGE ANY PATENT, COPYRIGHT, TRADEMARK, OR OTHER PROPRIETARY RIGHTS. Unless prohibited by law, NIH assumes liability to the extent permitted by the Federal Tort Claims Act or other applicable law for claims for damages brought against it by third parties which may arise from RECIPIENT's use, storage, or disposal of the RESEARCH MATERIAL except that, to the extent permitted by law, the PROVIDER shall be*

liable to the RECIPIENT or CENTER(S) when the damage is caused by the gross negligence or willful misconduct of the PROVIDER.

6. The RECIPIENT agrees to use the MATERIAL in compliance with all applicable federal and/or state statutes and regulations.

7. The MATERIAL will be provided at no cost, with the possible exception of the costs associated with shipment of MATERIAL to RECIPIENT.

8. PROVIDER agrees that upon data verification all data generated by CENTER(S) using MATERIAL will be promptly deposited into PubChem and any other MLP PT-designated database in accordance with the data sharing and intellectual property (IP) terms described in the NIH MLPProject Team Policy on Data Sharing and IP in the Molecular Libraries Program ([https://mli.nih.gov/mli/wp-content/mlscnrep/NIH%20MLPCN%20Data%20Sharing%20%20IP%20Plan%20\(final\).pdf](https://mli.nih.gov/mli/wp-content/mlscnrep/NIH%20MLPCN%20Data%20Sharing%20%20IP%20Plan%20(final).pdf)).

9. PROVIDER agrees that inventorship in any inventions developed under the RESEARCH ACTIVITIES OF THE MLPCN by the RECIPIENT or CENTER(S) using the MATERIAL will be determined by U.S. patent law.

10. This MTA will become effective upon the signature of both PROVIDER and MLSMR . It will remain in effect for a period of six years with an option to extend the term upon mutual written agreement of both PROVIDER and MLSMR.

11. RECIPIENT will make the MATERIAL available only for RESEARCH ACTIVITIES OF THE MLPCN and consistent with the same terms provided to RECIPIENT under this MTA.

The PROVIDER and MLSMR must sign both copies of this letter and return one signed copy to the PROVIDER. The PROVIDER will then send the MATERIAL directly to the MLSMR as directed by the MLP PT.

Signatures begin on the next page

PROVIDER CONTACT INFORMATION and AUTHORIZED SIGNATURE

Provider Scientist: _____
Provider Organization: _____
Address: _____
Name of Authorized Official: _____
Title of Authorized Official: _____
Certification of Authorized Official:

Signature of Authorized Official Date

Provider's Mailing Address for Notices:

*NIH Molecular Libraries Small Molecule Repository ML(SMR) of the NIH Molecular Screening Centers
Network, NIH Roadmap Molecular Libraries and Imaging Initiative
MLSMR CONTACT INFORMATION and AUTHORIZED SIGNATURE*

Name of Authorized MLSMR Official: Jamie Driscoll
Title of Authorized MLSMR Official: MLSMR Government Project Officer

Signature of Authorized MLSMR Official Date

MLSMR Official's Mailing Address for Notices:

Jamie Driscoll
Molecular, Cellular, and Genomic Neuroscience Research Branch
Division of Neuroscience and Basic Behavioral Science
National Institute of Mental Health (NIMH)
National Institutes of Health (NIH)
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Room 7194, MSC 9641
Bethesda, MD 20892-9641
Tel: 301 443-5288
e-mail: jdriscol@mail.nih.gov

Attachments: 1) Appendix A (List of MATERIALS)

Appendix A

Please list and briefly describe all material(s), reagent(s), performance data, information, compound(s), etc. that will be transferred under this MTA.