TRAC | **Tuberculosis Research Advancement Center**
Emory/Georgia

TB DATA SCIENCE ACCELERATOR AWARD

The NIH-funded (P30AI168386) Emory/Georgia Tuberculosis Research Advancement Center (TRAC) is excited to announce a special request for applications for TRAC Accelerator Awards to fund research using publicly available databases for TB research including, but not limited to the following. Please contact lsharli@emory.edu if you are interested in using an alternative database.

- Emory/Georgia TRAC Dataverse
  - https://tb.emory.edu/resources/dataverse.html
- Centers for Disease Control and Prevention (CDC) National TB Surveillance System (NTSS)
  - https://www.cdc.gov/tb/statistics/DTBE-Data-Request.html
- CDC National Center for Health Statistics
  - https://www.cdc.gov/nchs/data_access/ftp_data.htm
- National Institutes of Health (NIH) TB Portals Program
  - https://tbportals.niaid.nih.gov/
- NIH GenBank
  - https://www.ncbi.nlm.nih.gov/genbank/
- Institute for Health Metrics and Evaluation
  - https://ghdx.healthdata.org/
- World Health Organization Global Health Observatory
  - https://www.who.int/data/gho
- TB-Platform for Aggregation of Clinical TB Studies
  - https://c-path.org/tools-platforms/tb-pacts/
- University College London TB treatment individual patient data platform
  - https://www.ucl.ac.uk/global-health/research/z-research/tb-ipd-platform

Funds are intended to be used to:
- Support data science research using data from publicly available databases to conduct TB research.
- Address key TB clinical and translational research questions using already collected and publicly available data.

The TB Data Science Accelerator Award will provide up to $4,000 to conduct targeted data science TB research using data from a publicly available database. Consulation from the Emory/Georgia TRAC Clinical and Population Science (CPS) Core in the areas listed below may be requested through the online Service Request Form:
- Guidance and facilitation for accessing select public datasets (e.g. CDC's NTSS, Emory/Georgia TRAC Dataverse).
- Guidance on using key TB variables in select datasets for which Core faculty have experience.
- Access to relevant code where available.
- Best practices for data science.

Expected outcomes from the award are a publication within 12 months and/or generation of preliminary data for a future grant application.

Eligibility
Any junior faculty (up to Assistant Professor) or Post Doc at an Emory/Georgia TRAC U.S. or International Partner Site. Any Post Doc (PhDs, PharmD, DVMs, DDS/DMD, and MDs including those in residency or

fellowship) at an Emory/Georgia TRAC US or International Partner Site **must provide a letter of support from their Primary Research Mentor.**

Emory/Georgia TRAC International Partner Sites

- Aga Khan University East Africa, Kenya
- Addis Ababa University, Ethiopia
- Armauer Hansen Research Institute, Ethiopia
- Ethiopian Public Health Institute, Ethiopia
- Centre of the AIDS Research Programme in South Africa (CAPRISA), South Africa
- Coptic Hospital, Kenya
- De La Salle Health Science Institute, Philippines
- Makerere University, Uganda
- National Center for Tuberculosis and Lung Disease (NCTLD), Georgia
- National Center for Disease Control and Prevention (NCDC), Georgia
- National Health and Laboratory Services (NHLS), South Africa
- University of Cape Town (UTC), South Africa
- University of Kwazulu-Natal, South Africa

Application Requirements

- NIH biosketch for all key personnel.
- PhDs, PharmD, DVMs, and MDs including those in residency or fellowship must provide a letter of support from their Primary Research Mentor.
- Research question(s) and description of the database(s) to be used. Details on accessing and relevance of database to research question (up to 2 pages).
- Expected outcomes and timeline of the proposed work including publications and/or future grant applications (1 page).
- Line item budget and budget justification.
- Follow NIH Guidelines for fortmating, including page size, margins, font size and type density. No larger than standard letter paper size (8 ½" x 11"), at least one-half inch margins for all pages, font size 11 points or larger, etc.

Application Process: **SUBMIT YOUR APPLICATION ONLINE HERE** (for type of application indicate Data Science Award). If you have any questions please contact the TRAC Program Manager Lisa Sharling (lsharli@emory.edu).

Allowable Costs: Funds may be used for salary/wages of study personnel or consultants (including biostatistical assistance), Emory/Georgia TRAC Core service costs, and publication costs up to $1,000. Other research expenses will be considered based on their necessity for the research to be successfully conducted. All requests must be well justified. No indirect costs are allowed.

Application Deadline: The deadline for the TB Data Science Award is **December 2, 2024**. Please submit a letter of intent a month prior to your submission to lsharli@emory.edu. All submissions will be circulated for review by an internal committee and a decision made within 6 weeks. If a proposal is selected for funding, additional time will be needed to work with the appropriate financial team to set up access to funds. We anticipate that there will be a minimum of two TRAC Data Science Accelerator Awards issued.

Awardee Expectations

- IRB approval or exemption **must be obtained** before any funds will be released.
- Awardees will be required to submit a 12-month progress report using a template provided by the TRAC.
- Awardees will be required to cite the **Emory/Georgia TRAC grant number (P30AI168386)** in all publications and presentations including findings generated with the support of the grant.
- Awardees will be required to submit their updated NIH Biosketch and fill out an annual career survey to track their advancement in the field, as well as serve on the TRAC Developmental Core mock study section committee and/or review a TRAC Award application during the time of their award.