**Descriptions of CTSI Resources and Services**

Use the content below to supplement your description of your engagement with CTSI in materials, like grant applications and letters of intent. Contact the Research Navigator, [ctsi@umn.edu](mailto:ctsi@umn.edu) or 612-625-2874, if you need further information or have questions.

[**Clinical and Translational Science Institute (CTSI)**](http://www.ctsi.umn.edu/about/what-we-do)

The mission of the Clinical and Translational Science Institute (CTSI) at the University of Minnesota is to accelerate and improve clinical and translational science (CTS) research and education and make lasting impacts on healthcare outcomes. The CTSI provides comprehensive CTS consultation, training, and services to scholars and investigators across the translational continuum, and is a resource available to serve this proposal. The CTSI supports clinical and translational science researchers at the UMN by offering clinical staff and facilities; biostatistical support and data management; access to clinical data; support for community engaged research; regulatory expertise and support for regulatory affairs (IND/IDE applications, IRB applications, and study monitoring); biorepository, laboratory services, and tissue procurement; education, training, and professional development; participant recruitment resources; and much more. Strong relationships across the University’s Academic Health Center and beyond provide access to extensive expertise and collaborative opportunities. Bruce Blazar, MD, directs the Clinical and Translational Science Institute (CTSI) and is the principal investigator on the CTSA grant.

[**Biomedical Informatics Program (BMIP)**](https://www.ctsi.umn.edu/consultations-and-services/data-access-and-informatics-consulting)

The Biomedical Informatics Program (BMIP) provides the expertise, tools, and resources necessary to conduct high-quality health research. The BMIP function of CTSI is driving the integration of clinical, genomic and biospecimen data across the University of Minnesota and Fairview, and giving researchers a one-stop-shop for the data, tools, information technologies, and biomedical informatics scientific consultation services they need to accelerate their research. Best Practices Integrative Informatics Collaborative Science and Services (BPIC) enable clinical and translational researchers to improve their effectiveness, efficiency, and impact by providing access to fully integrated biomedical data inside a secure HIPAA-compliant data environment that includes widely used analytical software. Services include data enrichment, transformation, storage and delivery; dashboard design capabilities; application development; and advanced analytics in collaboration with data scientists from the Institute for Health Informatics. BPIC maintains a clinical data repository with the Electronic Health Records of nearly 3 million patients for research purposes, and offers self-service tools (i2b2 and TriNetX) for discovering patient cohorts that meet the criteria of interest.

[**Biorepository and Laboratory Services (BLS)**](https://www.ctsi.umn.edu/consultations-and-services/specimen-procurement)

CTSI’s Biorepository and Laboratory Services (BLS) provide high-quality and cost-conscious biospecimen support to basic, clinical, and translational researchers. Services include biological materials procurement, downstream specimen processing and testing services, biospecimen storage linked to patient medical chart data, histology services, and whole-slide histologic digital imaging.

[**Biostatistical Design and Analysis Center (BDAC)**](http://www.ctsi.umn.edu/consultations-and-services/biostatistical-support)

The Biostatistical Design and Analysis Center (BDAC) team includes professional biostatisticians and a database programmer to provide collaboration and assistance with statistical design, planning, and analysis including grant proposal preparation and support; database development and data management; preparation of reports for DSMB (data and safety monitoring board) meetings; data analysis; and manuscript preparation and support.

[**Clinical Research Support Center (CRSC)**](https://crsc.umn.edu/)

The Clinical Research Support Center (CRSC) helps investigators and study teams advance projects through the clinical research process more quickly. To do this, the CRSC brings together experts on a wide range of topics: regulatory, recruitment, contracting, financials, biostatistics, clinical, OnCore, REDCap, and more. Experts help investigators and study teams navigate the research environment and administer studies from feasibility assessment and project initiation through recruitment, protocol execution, study close-out, and publication. CRSC is a collaboration among: Clinical and Translational Science Institute; Office of the Vice President for Research; Fairview Health Services; and the University of Minnesota Physicians.

[**Community Engagement to Advance Research and Community Health (CEARCH)**](http://www.ctsi.umn.edu/consultations-and-services/community-engaged-research)

Community Engagement to Advance Research and Community Health (CEARCH) is building trust and respect to conduct research that matters to our communities. CEARCH provides support for community-engaged research through consultations on engagement strategies; training and resources; pilot grant funding; and assistance locating research partners.

[**Office of Discovery and Translation (ODAT)**](http://www.ctsi.umn.edu/consultations-and-services/translational-research-support)

Within CTSI, the Office of Discovery and Translation (ODAT) was formed to offer additional support of early development (preclinical) projects through pilot funding programs and the establishment of project development teams. These teams provide unified and coordinated access to knowledge required for successful early technology development including project management, scientific, development, regulatory, and commercialization expertise. ODAT brings experts and specialists together to offer specialized assistance for moving discoveries into the next stage of translation.

[**Regulatory Support**](http://www.ctsi.umn.edu/consultations-and-services/regulatory-support)

CTSI provides expert assistance navigating regulatory requirements for clinical and translational research. Clinical trial monitoring, investigational new drug (IND) or investigational device exemption (IDE) application assistance, and ongoing regulatory reporting and support are provided, along with assistance with clinicaltrials.gov. Regulatory specialists provide guidance and support for clinical trials, ranging from navigating the IRB submission process to maintaining study documents.

[**Research Education, Training, and Career Development (CTSI-Ed)**](http://www.ctsi.umn.edu/education-and-training)

Career development programs provide a pathway to success for research-intensive investigators. CTSI provides training and education to advance researchers through the career development pipeline, from the undergraduate experience to an independent research career as a faculty member. CTSI-Ed strengthens clinical and translational science career development through five career development grant programs that include enhanced mentorship and a flexible, customizable, and competency-based curriculum designed to support early- and mid-career investigators as they build independent research careers. To further support investigators, CTSI-Ed has two career development seminar series. The Research Career Development Seminar Series is open to the university community and engages speakers who present on a wide range of topics relevant to investigators at all career levels. CTSI-Ed also organizes and runs the Multidisciplinary K Seminar Series, a closed seminar for CTSI-Ed junior faculty scholars that also includes the BIRCWH (Women's Health) K12 and Learning Health Systems (LHS) K12 training grant trainees and select individual federal K awardees. In addition, CTSI-Ed offers free online professional development courses, including one designed to prepare faculty from a range of disciplines to be effective research mentors for junior faculty, post-doctoral fellows, and graduate students.

[**Research Preparation Group (RPG)**](http://www.ctsi.umn.edu/consultations-and-services/study-management-and-coordination)

CTSI’s Research Preparation Group (RPG) is comprised of clinical research professionals who provide guidance to help investigators navigate the research process and position studies for success. The RPG provides assistance with investigator-initiated and industry-sponsored studies by offering comprehensive project planning services, study consultations, assistance with protocol development, and coordinating feasibility assessments. Additionally, RPG connects and refers investigators to helpful services at CTSI and across the University.

[**Citing the CTSA Grant**](http://www.ctsi.umn.edu/about/cite-ctsi-support)

By receiving the Clinical and Translational Science Award, the University of Minnesota is now required by the NIH to ensure an acknowledgment of the CTSA in any publications that result from UMN CTSI assistance with a project.  
  
Assistance is not limited to monetary support (e.g., pilot grant funds), but also includes use of CTSI space, consultation with CTSI faculty or staff, and use of any CTSI Internal Service Organization services (Biostatistical support, biospecimen support, data access and informatics consulting, and Regulatory assistance such as IND/IDE support, clinical trial monitoring, or ClinicalTrials.gov support).  
  
All publications resulting from the use of CTSI resources are required to credit CTSA by using the text below.

"Research reported in this publication was supported by the National Center for Advancing Translational Sciences of the National Institutes of Health Award Number UL1TR002494. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health."

CTSI-Ed KL2 Scholar should use this text:

“This research was supported by the National Institutes of Health’s National Center for Advancing Translational Sciences, grants KL2TR002492 and UL1TR002494. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health’s National Center for Advancing Translational Sciences.”

CTSI-Ed TL1 Training Core Trainees should use this text:

“This research was supported by the National Institutes of Health’s National Center for Advancing Translational Sciences, grants TL1R002493 and UL1TR002494. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health’s National Center for Advancing Translational Sciences.”

**Need help? Questions?**

Contact our Research Navigator for help locating resources, initiating a new study, or finding your way through the research process. Contact Melissa Hansen, MLS, directly at 612-625-2874 or [ctsi@umn.edu](mailto:ctsi@umn.edu).

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