I. Summary of Award
The School of Medicine’s Strategic Plan includes an annual award jointly administered by the Office of Research and NC TraCS—the Translational Team Science Award (TTSA). This award is aimed at capitalizing on the “culture of collaboration” at UNC Chapel Hill to foster new synergistic interdisciplinary teams of basic science and clinical investigators. “Translational” is defined broadly and is not restricted to human subjects and tissues. Proposals may include research using cellular and animal model systems; however the project should clearly translate across basic and clinical disciplines.

There are multiple stages of TTSA applications and awards (see application process, below). After submission of an initial Concept paper, selected teams will be invited to submit a Phase I Feasibility proposal for review. If awarded, TTSA Phase I Feasibility grants will provide a 12-month period to begin to fully engage team members in the development of a competitive continuation proposal for TTSA Phase II. Advancement to the next award stage is contingent on the merit of the proposed plan and progress in the prior period. The intent of these awards is to provide the planning time and initial funds for support of early stage denovo research teams that would otherwise not be possible. TTSA supported research should lead to submission of novel interdisciplinary program project grants and multiple PI R01s by UNC SOM investigators. This call is meant to capture the broad interdisciplinary expertise of SOM faculty and is not restricted to any programmatic area; however, projects that are responsive to NIH programmatic areas of interest (for example BRAIN, Precision Medicine, etc.) are encouraged to apply.

Since the inaugural cycle of the TTSA in October 2013, 19 teams have been selected for funding. A summary of these awards can be found on the Office of Research website- http://www.med.unc.edu/or.

II. Award Administration
TTSA awards will be made jointly with funding from the SOM Dean’s office and NC TraCS pilot funds. To receive TTSA funding, the two lead PIs must have primary appointments in the SOM.

Review of Phase I and Phase II applications (defined below) will be provided by the NC TraCS review panel with equal consideration for proposals across the translational spectrum.

III. Eligibility
- TTSA grants will support the development of new research teams. Project Teams should include at a minimum two PIs: one basic and one clinical. To qualify as a new team, the two PIs should not have previously submitted a successful grant proposal.
- Teams should consist of at least 1 basic and 1 clinical faculty member, and the team leaders must hold a primary appointment in the School of Medicine. Teams may include collaborators from outside institutions, but no indirect funds are available for external collaborations. If research is performed outside the US, no more than 50% of the funding can be expended outside the US or to support research on samples obtained outside the US.
The proposal should represent a new avenue of research for the investigators. This is a key criteria for review. There must be no prior internal or external funding for the project or funding overlap. This award is **not** intended as supplementary or bridge funding.

Anyone may submit at the Concept Paper stage. If you need assistance identifying additional basic or clinical collaborators, please contact the Office of Research or the TraCS navigator service for help.

Review of the Concept Papers will select the teams eligible to submit for a Phase I – TTS Feasibility grant. Only those teams that have completed a Phase I grant and submitted a progress report may submit for Phase II funding.

### IV. Application Process

1. **Submit a one-page Concept Paper** describing the proposed research. The Concept paper should include:
   - **Title**
   - **Hypothesis and specific aims**
   - **Scientific and translational impact.**
   - **Goals for Phase I period (12-month)**
   - **Names and affiliations of the clinical and basic PIs as well as other key players.**
   - **Definition of how this is a ‘new’ team, and why a new team is needed for this project.**
   - **NIH biosketch for each PI and key team member**

2. Upon review of the Concept papers, the most competitive teams will be selected to submit a Phase I feasibility application. The Phase I grant awards up to $60,000 for a 12-month period. These funds can be used to obtain whatever data/approval are needed for proof of concept and can be used to support trainees and/or for reagents and other costs. The milestones must be clearly stated and feasible for the 12-month phase I project period. Salary support for faculty is **not** an allowable cost.

3. At the end of Phase I, the team may submit a proposal for a 1-2 year Phase II TTS A grant. These proposals are competitively reviewed and must include a final progress report for the Phase I project period. Phase II awards provide up to $100,000/yr for a two-year period contingent upon a successful review of progress in the first year.

4. Teams that received a Phase I Grant are not required to submit a proposal for Phase II funding, but they must submit a final report. Investigators who do not submit a final report will be ineligible for future funding from this award mechanism.

5. **Phase I and Phase II Application Components**
   - **Abstract (1/2 page)**
   - **Specific Aims (1 page)**
   - **For Phase II only—Final Report from Phase I Feasibility grant activities**
     - (2 pages)
   - **Research Plan** (3 pages for Phase I, 5 pages for Phase II)
     - **Description of Research Team**
     - **Significance**
     - **Project Design and Methods**
     - **Statistical Analysis and Justification.** Consultation with TraCS biostatistician is highly encouraged.
     - **Timeline and goals for future funding.** _For a phase I proposal, the initial phase I goals must be clearly stated and feasible relative to projected Phase II goals and timeline._
   - **Detailed Budget and Justification**
     - Funds may be allocated to support research staff, supplies, core facility fees, travel directly related to project goals, and small equipment. Salary support for faculty is not an allowable cost. Salary support for
trainees, and technicians are permissible. Funds will support direct costs only.

- NIH Biosketches for Key Personnel
  - Include current and pending support and internal as well as external funding sources

V. Application/Grant Timeline

- TTSA Concept papers due: **Monday, December 12, 2016**
- Concept paper award notification on or before: Wednesday, January 18, 2017
- TTSA Phase I Feasibility Proposals due: **Friday, March 24, 2017**
- TTSA Phase I Feasibility Award start date: May 2017
- **TTSA Phase II Proposals (with feasibility progress report) due: March 2018**
- TTSA Phase II Award start date: May 2018

All Submissions should be emailed to: [jenbren@med.unc.edu](mailto:jenbren@med.unc.edu)

If you have questions, please contact Jennifer Brennan at the email address above or at 966-8089.