



**ILSI North America Technical Committee on
Balancing Food & Activity for Health
Request for Proposal - Use of technology to assess activity and dietary
intake in underserved population(s)**

November 2016

The ILSI North America Committee on Balancing Food & Activity for Health will support a pilot research study addressing the use of technology in the assessment of both physical activity and dietary intake in underserved or disparate population(s).

The Committee is requesting interested researchers submit proposals focusing on technology use in assessing physical activity and dietary intake in one or more underserved populations. The Committee has allocated \$50,000 to support a study. It is the intent of the sponsor that the pilot study will provide the springboard for the investigator(s) to pursue other funding sources in the future.

Background

Dietary intake and physical activity are the key determinants of energy balance. Understanding this delicate balance has long been a challenge to researchers. Technological advances are improving the ability and precision for data collection and analyses related to physical activity and dietary intake.

The Committee plans to support a pilot study that addresses how current and new technologies are being used to study underserved populations in assessing and improving physical activity and dietary intakes.

The interest in the underserved population stems from a limited understanding of how these populations use technologies in activity and dietary collection and assessment. In addition, underserved segments of the population are more likely not meeting recommended targets for activity and intake for healthy lives. How can activity and dietary assessment be improved by technology to impact positive health outcomes?

Contractual Requirement

The successful bidder will be required to enter into a written contract specifying the terms on which the work will be performed. Those terms will include, but not be limited to, provisions that effectuate the following principles:

- ILSI North America will not indemnify the grant recipient against any claims, losses, or damages arising from the use of the product.

- To the extent permitted by law, the grant recipient shall indemnify ILSI North America against claims, losses, and damages arising from the negligence, breach of contract, or intentional misconduct of the grant recipient.
- The grant recipient shall not infringe any intellectual property rights in the course of performing the work.

Proposal Preparation Instructions

Complete the attached application form and enclose it as the first page of your proposal. Provide a two-page description of the proposed pilot study as the second and third pages of your submission.

Project descriptions must include the following sections:

1. **Rationale.** Briefly discuss the purpose of the study. State your problem and hypothesis. Describe how the proposed research will add to existing knowledge.
2. **Background.** Summarize the findings of any preliminary studies that support the aims of the proposed research.
3. **Scope of work.** Outline what the proposed research is intended to accomplish (ie, list project objectives or aims) and briefly describe the methodologies that will be used to achieve these aims.
4. **Resources/skills and expected collaborators.**
5. **Project timeline and publication plan.** Provide a timeline to project completion, including a publication plan.

Proposal Submission

The committee is requesting a proposal of no more than three pages in response to the above outlined sections. **Deadline:** Proposal must be received by March 15, 2017. Submit by email to Heather Steele and Courtney McComber (hsteele@ilsis.org and cmccomber@ilsis.org)

Please note:

- There is no restriction regarding either the citizenship of applicants or the country where the research will be conducted. However, all submitted documents must be in English.
- Receipt of a research grant does not preclude the recipient from obtaining grant support in the same or similar area from other sources.

Proposal Review Process

The committee, which is composed of industry, government and academic scientists, will review proposals and select the grantee. It is possible that the committee will require responses to supplemental questions before a final decision is made. Critiques of individual proposals cannot be provided. We expect to notify grantee by May 15, 2017.

About ILSI and ILSI North America

The International Life Sciences Institute (ILSI): Founded in 1978, the International Life Sciences Institute (ILSI) is a nonprofit, worldwide foundation that seeks to improve the well-being of the general public through the advancement of science in the areas of nutrition, food safety, toxicology, risk assessment, and the environment by bringing together scientists from academia, government, and industry. Headquartered in Washington, DC, ILSI accomplishes this work through its worldwide network of fourteen branches, its Research Foundation (ILSI Research Foundation) and ILSI Health and Environmental Sciences Institute (ILSI HESI), which has a global, rather than regional, focus.

ILSI North America: ILSI North America is a nonprofit organization based in Washington, D.C., that provides a forum for academic, government, and industry scientists to identify important issues in nutrition and food safety. Through its programs, ILSI North America contributes to improve scientific understanding of those issues for the benefit of the general public. For more information on ILSI North America's areas of interest, projects, staff, and a copy of the 2015 Annual Report, please visit: www.ilsina.org.

Technical Committee on Balancing Food & Activity for Health

The Committee seeks to define the state of the science and identify research gaps with regard to balancing food and activity for health.

Background

The role of food and beverages and physical activity on human health and disease etiology is an area of considerable interest and confusion. Innovative assessment tools and new analytical technologies are improving our understanding of the interactive roles of food and physical activity on human (performance and cellular metabolic functions) physiology. The effects of dietary intake and daily activity (on health status, metabolic function and overall performance) may be synergistic or independent and may vary depending on age, disease state and overall health. The committee's quest for a better understanding of the food-physical activity relationship on human performance and health is timely. The prevalence of diet-related chronic diseases is on the rise, attributed in part due to a variety of factors including poor eating habits, (caloric) malnutrition, sedentary behavior, and disrupted sleep patterns. Today, obesity is the single most significant dietary health and nutrition issue facing the American public as it is a precursor to other diseases including type 2 diabetes, hypertension and coronary heart disease. The interaction between food intake, physical activity, and the effect of both on energy expenditure in daily life is the focus of much research, as the scientific community struggles to find solutions to the obesity epidemic. This committee seeks to explore the mechanisms involved in balancing food and activity to identify a practical framework around this concept to move towards improvement of overall nutritional and physical health status.



**ILSI NORTH AMERICA TECHNICAL COMMITTEE ON BALANCING
FOOD & ACTIVITY FOR HEALTH**

Research Proposal Application Form

I. APPLICANT INFORMATION:

Name: _____
(First) (Last) (Degree)

Current Position: _____

Institution: _____

Mailing Address: _____

Telephone: _____

E-mail: _____

II. TITLE OF PROPOSAL:

III. ESTIMATED TOTAL COST OF PROJECT: US\$ _____
(Note: Cannot exceed US\$50,000; overhead costs cannot exceed 8.5%.)

III. ESTIMATED DURATION OF PROJECT: _____

**** ATTACH A TWO-PAGE DESCRIPTION OF THE PROJECT ****

Applicant's Signature _____ Date _____

APPLICATION DEADLINE: 15 March 2017