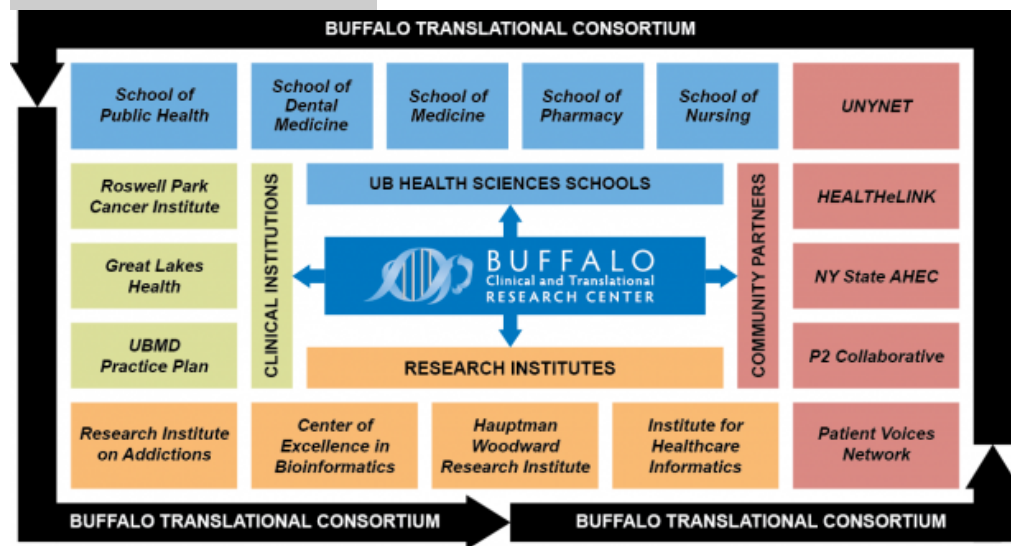


CTSA Translational Pilot Studies Grants Awarded to Eight Teams

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Pilot Studies in translational research were awarded to 8 groups of faculty researchers from Buffalo Translational Consortium institutions. The awards, totaling \$200,000 were supported by the Clinical and Translational Science Award (CTSA).

The Translational Pilot Studies Program is designed to support the innovative, pioneering work of researchers in the Buffalo Translational Consortium (see diagram). The program is intended to develop novel methods and technologies to solve clinical and translational research problems and to foster cross-disciplinary collaborations with a goal to leverage extramural funding for larger studies.

The focus of this round of pilot studies was to:

- Facilitate clinical and translational researchers to generate preliminary data for submission of extramural research grant applications
- seek to improve clinical design, biostatistics, clinical research ethics, informatics, or regulatory pathways
- support the design, development, and validation of novel, clinically applicable devices, biomarkers, and analytical methods

A total of 78 applications were received. Review criteria included:

- Scientific merit and innovation
- Significance and impact on the field
- Potential for securing extramural funding

The following 8 proposals were awarded following a rigorous 2-tiered review process.

Multi-class Modeling of Metabonomics Data for the Detection of Early Stage Ovarian Cancer

Rachael Hageman Blair PhD, School of Public Health and Health Professions

Kunle Odunsi MD, Roswell Park Cancer Institute

Jeffrey Miecznikowski PhD, School of Public Health and Health Professions

Thomas Szyperksi PhD, College of Arts and Sciences

Analysis of the Source and Significance of IgM in Sjögren's Syndrome

Jill M. Kramer DDS PhD, School of Dental Medicine

Daniel Gaile PhD, School of Public Health and Health Professions

A Novel Electrical Stimulation Technology Changing the Paradigm for the Treatment of Orthopedic-related Infections

Mark Ehrensberger PhD, Jacobs School of Medicine and Biomedical Sciences

Anthony Campagnari PhD, Jacobs School of Medicine and Biomedical Sciences

Highly Sensitive and Portable Surface Plasmon Resonance System for Lung Cancer Early Detection

Qiaoqiang Gan PhD, School of Engineering and Applied Sciences

Yun Wu PhD, Jacobs School of Medicine and Biomedical Sciences

Daniel Gaile PhD, School of Public Health and Health Professions

Development of High-Throughput Assay for Inhibitors of Aerobactin Synthesis

Andrew M. Gulick PhD, Hauptman Woodman Research Institute

Thomas A. Russo MD, Jacobs School of Medicine and Biomedical Sciences

Inheritable Epigenetic (DNA methylation) Biomarkers and Actions of Arsenic Exposure in its Carcinogenic Activity

Xuefeng Ren MD PhD, School of Public Health and Health Professions

Daniel Gaile, PhD, School of Public Health and Health Professions

Jie Wang PhD, Jacobs School of Medicine and Biomedical Sciences

Inducing Myelin Repair by Antagonism of Muscarinic Receptor Type-3

Fraser J. Sim PhD, Jacobs School of Medicine and Biomedical Sciences

Pilot Study on Pediatric Obesity Prevention by Maternal Smoking Cessation in Pregnancy and Lactation

Xiaozhong Wen MD PhD, Jacobs School of Medicine and Biomedical Sciences

Leonard H. Epstein PhD, Jacobs School of Medicine and Biomedical Sciences

Stephen T. Higgins PhD, Jacobs School of Medicine and Biomedical Sciences

Rina D. Eiden PhD, Research Institute on Addictions

Faye E. Justicia-Linde MD, Jacobs School of Medicine and Biomedical Sciences

Youfa Wang MD PhD, School of Public Health and Health Professions

Pilot Studies awardees will present the results of their work at the Clinical and Translational Research Colloquium to be held at the Clinical and Translational Research Center on a date to be announced. The Colloquium offers an excellent opportunity to discuss the new observations in a setting that is conducive to the development of new collaborations among researchers.

[Click here for past colloquia.](#)