

CTSC Newsletter



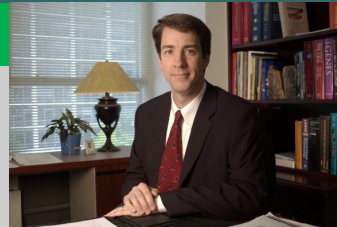
WELCOME to the Fall 2013 issue of the CTSC eNewsletter. As we continue to devote our efforts to capitalize upon the numerous achievements and outcomes, we remain steadfast in our commitment to facilitate and foster innovative translational programs.

The diverse CTSC staff was featured in the Department of Medicine's Annual Report 2013.

NCATS VISIT THE CTSC

Recently, the Weill Cornell CTSC hosted Dr. Christopher Austin, Director of the National Center for Advancing Translational Science (NCATS), and Dr. Elaine Collier, Deputy Director of NCATS. Dean Laurie Glimcher provided the opening remarks and thanked NCATS for the opportunity to share some of the CTSC's most promising advancements, while President Jennifer Raab of Hunter College illustrated our achievements through collaboration by building on the strengths of both institutions. During the one-day visit, Drs. Austin and Collier met with CTSC leaders and listened to presentations from investigators and representatives from WCMC and partner institutions. A notable portion of the visit included presentations of successful CTSC projects by past and present CTSC investigators. Some of the CTSC success stories presented at the site visit are listed below.

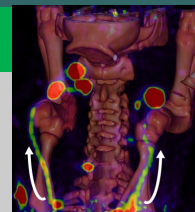
Drs. Austin and Collier then attended a working lunch where trainees from the CTSC Education program discussed their experiences as CTSC Scholars and how CTSC training and support is enabling them to develop their careers. Dr. Austin commented on the excellent and innovative education programs happening at our CTSC. He was also inspired by the CTSC's biomedical informatics programmatic areas: health, clinical, bioinformatics and research productivity. Moreover, Drs. Austin and Collier were pleased to discover a true collaborative representation among the CTSC partner institutions. We had a productive visit and were thrilled to share the many exciting ways we are supporting translational science at the CTSC.



CTSC FOSTERS FUTURE SUCCESS

Examples of CTSC projects that have yielded grants and awards:

- Drs. Paraskevi Giannakakou (WCMC), David Nanus, (WCMC) and Brian Kirby (Cornell) collaborated on a CTSC Novel award and have since been awarded a Prostate Cancer Foundation Award and a NCI PSOC award. (PI: Craighead (Cornell)).
- Dr. Stefano Rivella's (WCMC) CTSC Pilot award to develop gene therapy vectors and for the treatment of Beta-Thalassemia provided pilot data for 3 NIH R01's.
- Dr. Michelle Bradbury's (MSKCC) Novel award on novel cancer targeting nanoparticle developed into preclinical data resulting in an Investigational New Drug (IND), a NYC Bioaccelerate award, an R01, and a startup company.
- Dr. Suzanne A. Maher 's (HSS) CTSC Planning award led to an NIH R01. Dr. Maher also mentored KL2 Scholar Tony Chen and their work led to a Bioaccelerate Prize.
- The CTSC Master's program provided the groundwork for Dr. Sheila Angeles-Han, (Emory) NIH K23 award to investigate the outcomes of children with juvenile idiopathic arthritis-associated.



Real-time intraoperative optical imaging as presented by Dr. Bradbury

DO YOU HAVE A GREAT RESEARCH IDEA?

DO YOU NEED FUNDING?



APPLY NOW

REQUEST FOR CTSC SEED FUNDING AND EDUCATION & TRAINING APPLICATIONS

DUE FRIDAY JANUARY 17, 2014

Application and instructions are available at:
<http://weill.cornell.edu/ctsc/>

NEED HELP WITH YOUR STUDY? THE CTSC CAN HELP:

- ⇒ DESIGN A RESEARCH PROTOCOL
- ⇒ CREATE A BUDGET, OBTAIN FUNDING
- ⇒ SUBMIT APPLICATION TO CTSC SCIENTIFIC REVIEW COMMITTEE, & IRB FOR REVIEW / APPROVAL
- ⇒ ASSEMBLE YOUR RESEARCH TEAM / FIND COLLABORATORS
- ⇒ CHOOSE FACILITIES FOR THE STUDY
- ⇒ RECRUIT RESEARCH SUBJECTS
- ⇒ MANAGE / ANALYZE DATA
- ⇒ PUBLISH / APPLY FOR FUTURE FUNDING
- ⇒ MANUSCRIPT/GRANT EDITING

CTSC ANNOUNCES SPECIAL NOVEL TECHNOLOGY TEAM AWARDS

The Novel Technology Team Award brings together teams of clinical investigators, biomedical engineers, and faculty from the Johnson School of Business, Cornell Ithaca to develop novel medical technologies. Six awards were selected to develop their new technologies:

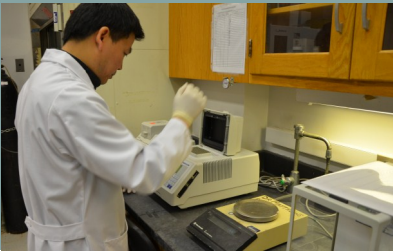
- ◆ CC Chu, PhD (Cornell), Jason Spector, MD (WCMC): “Novel Biomaterial Coating for Existing Medical Devices to Eliminate Foreign-Body Inflammatory Response”
- ◆ Shari Gelber, MD (WCMC), Jonathan Butcher, PhD (Cornell): “Minimally Invasive Device for Real-Time Electromechanical Assessment of Pre-term Labor Risk”
- ◆ Dan Luo, PhD (Cornell), Christine Salvatore, MD (WCMC): “DNA Nanobarcode Quick-Test Diagnostic Device for Rapid, Multiplexed, Low-Cost Pathogen Detection”
- ◆ Mark Rosenblatt, MD (WCMC), David Putnam, PhD (Cornell): “Novel Silk Films for Ocular Stem Cell Transplantation and Tissue Engineering”
- ◆ Roger Hartl, MD (WCMC), Lawrence J. Bonassar, PhD (Cornell University): “Implantation of Tissue Engineered Intervertebral Discs into the Beagle Spine”
- ◆ Alexander Matov, PhD (WCMC), Olivier Elemento, PhD (WCMC), Paraskevi Giannakakou, PhD (WCMC), Scott Tagawa, MD (WCMC): “Image Processing Algorithm for Automated Enumeration and Analysis of Circulating Tumor Cells (CTCs) from Peripheral Blood of Prostate Cancer Patients”

JOIN US FOR THE CTSC RESOURCE FAIR

WEDNESDAY, JANUARY 29, 2014

GRIFFIS FACULTY CLUB

4:00 — 6:00 PM

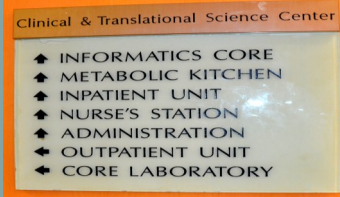


Representatives from all multi-disciplinary services will be on site to provide detailed information on core laboratories, patient care facilities, educational programs, and grant opportunities. This is a great opportunity to learn about the CTSC's wide range of resources and how to apply for services.



For more information contact:

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DID YOU KNOW ?

THE CTSC IS A
UNIQUE
BIOMEDICAL
COMPLEX
OF
RENOWNED
INSTITUTIONS
BOTH PUBLIC
AND
PRIVATE ON
THE EAST SIDE
OF MANHATTAN



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A MULTI-INSTITUTIONAL CONSORTIUM AT WEILL CORNELL MEDICAL COLLEGE
WITH: Cornell University, Ithaca Cornell University Cooperative Extension, New York City / Hospital for Special Surgery / Hunter College School of Nursing / Hunter Center for Gene Structure and Function / Memorial Sloan-Kettering Cancer Center / New York-Presbyterian Hospital / Weill Cornell Medical Center / Weill Cornell Graduate School of Medical Sciences