

Georgia CTSA Roadshow

A personalized tour of the available research education offerings

March 12, 2018



Survey Drawing



Announcements:

NIH K Awards Tutorial

- The series will address the following K Award categories: K01, K07, K08, K22, K23, K25, K99/00 as well as VA CDA and other career development awards.

When and where

- **Class 1: TUESDAY**, March 20, 9:30am-12:30pm School of Medicine Building, Rm. 170A
- **Class 2: WEDNESDAY**, March 28, 9:00am-12:00pm School of Medicine Building, Rm. 190P

How to enroll in the course?

- To enroll, please sign up at this link: <https://goo.gl/forms/Y9fy9pIPfNwtBSaM2>
- Also, please send via email to jsgros2@emory.edu your recently updated **NIH Biographical sketch following the specific instructions for K Series Career Development Awards**

Georgia CTSA Roadshow

A personalized tour of the available research
education offerings

March 12, 2018 K-Club

Jessica A. Alvarez, PhD, RD, Asst. Professor of Medicine

Elizabeth O'Brien Stenger, MD, MSc, Asst. Professor of Pediatrics

Andrew C. West, MBA, MHA, Georgia CTSA Administrator



1. Expert consultations and services in the fields of biostatistics, epidemiology, informatics, ethics, and regulatory knowledge

Biostatistics, Epidemiology, Research Design and Health Economics

- ❑ Collaborative support in biostatistics, epidemiology & health economics to early-career researchers affiliated with Georgia CTSA
- ❑ Innovative analytical methods incorporating novel data sources
- ❑ Education & training in biostatistics & epidemiology

Informatics

- Vision of seamless clinical and research data management for (research and clinical) investigators and educators using data from any of our member institutions and clinical sites, and ultimately from other CTSA hubs and research data networks. We aim to realize this vision through:
 - Federated research networks
 - Holistic patient views (clinical, mHealth, genomic, imaging)
 - Standards-based population-level exploratory tools
 - Analytic tools
 - A standards-based app platform
 - Pilot projects

Informatics Services

- ❑ **i2b2** at Emory and Morehouse School of Medicine (study feasibility assessment tool)
- ❑ **Accrual to Clinical Trials (ACT) Network** access and support (patient counts from over 20 CTSAAs)
- ❑ **CR-Assist** development and support (scheduling application for Georgia CTSA clinical sites)
- ❑ Patient counts for the CTSA **Trial Innovation Network**
- ❑ Informatics support for grants and contracts
- ❑ Help with accessing informatics services and tools at member institutions (REDCap, LIMS, and more)

Ethics and Regulatory Knowledge

- ❑ Providing regulatory navigation and coordination of regulatory support across the Georgia CTSA, with focus on IRBs
- ❑ Advancement of Regulatory Science, which is the science of developing new tools, standards, and approaches to assess the safety, efficacy, quality, and performance of FDA-regulated products
- ❑ Ethics consultations and development of ethics/RCR teaching materials (e.g. ethical dilemmas, podcasts)

Ethical Dilemmas in Scientific Research and Professional Integrity

Welcome to the Georgia CTSA webpage on ethical dilemmas in scientific research and professional integrity. This page presents case scenarios involving responsible conduct in research. Each case is followed by a brief, expert opinion that suggests strategies for resolution. For a sample case followed by an expert opinion, [click here](#).

We especially hope that these cases can provide useful teaching materials for college or university faculty who present lectures or courses on responsible conduct in research. The cases and expert opinions on this page are intended for instructional use and are copyrighted by Emory University.

Readers interested in submitting a dilemma of their own for possible review, comment, and posting to the website can send their dilemma to [Dr. John Banja](#). The dilemma must relate to research ethics. Submission of a dilemma does not guarantee review for an expert opinion or posting to the website.

The cases and expert opinions on this website are intended for instructional use and are copyrighted by Emory University. THEY MAY BE REPRODUCED AND FURTHER DISTRIBUTED FOR EDUCATIONAL PURPOSES, SO LONG AS THE FOLLOWING CONDITIONS ARE FULFILLED: (1) APPROPRIATE ATTRIBUTION IS INCLUDED; (2) THE MATERIALS ARE NOT MODIFIED; (3) THE MATERIALS ARE USED ONLY FOR ACADEMIC AND EDUCATIONAL PURPOSES; AND (4) NO FEE OR OTHER CHARGE IS IMPOSED TO OBTAIN ACCESS TO THE MATERIALS. ALL OTHER RIGHTS, INCLUDING THE RIGHT TO USE THE MATERIALS FOR COMMERCIAL PURPOSES, IS EXPRESSLY RESERVED BY EMORY UNIVERSITY. EMORY UNIVERSITY HOPES THAT THE MATERIALS ON THIS PAGE WILL BE HELPFUL, BUT PLEASE NOTE THAT THE MATERIALS ARE PROVIDED ON AN "AS IS" BASIS, AND ALL WARRANTIES ARE SPECIFICALLY DISCLAIMED.

ACTSI Ethics Resources

Emory Center for Ethics

Georgia Tech Center for Ethics and Technology

Morehouse School of Medicine Ethics and Compliance

Georgia CTSA & Winship Cancer Institute Offers Collaborative Research Ethics Consultation Service

CTSpedia

2. Funding opportunities

- ❑ Serve faculty of the Georgia CTSA partners who are developing the best approaches and methodologies to address complex translational and clinical research problems.
- ❑ Distribute \$200K in CTSA-funded pilot grant funding each year, in addition to working with other Georgia CTSA programs and external funding partners to provide best practices consultation and pre- and post- award administrative support for their pilot grants.

Most Recent RFP



Georgia CTSA Request for Proposals: Pilot Translational & Clinical Studies- Due March 1



Georgia CTSA's [Pilot Grants](#) program is soliciting proposals that either generate preliminary data and refine research strategies for subsequent extramural grant applications or develop the best approaches and methodologies to address complex translational and clinical research problems. Two categories of grants will be considered:

Grants that focus on translational and clinical research

Grants that address a translational research question which could provide insights generalizable to other projects/diseases

[Read More](#) >



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Pilot Project Success

Overview

1,374 grant applications received

300 projects funded

\$12.3 million in total funding awarded

167 extramural grant applications submitted

100 extramural grant applications awarded

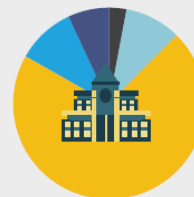
\$107.2 million in total extramural grants secured



Return on Investment:

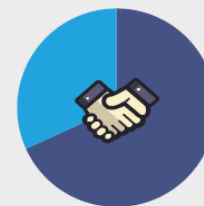
For Every \$1 Million Invested in Georgia CTSA Pilot Grants, Awardees Secured \$9 Million In Extramural Grants

Investigator Disciplines Across the Four Institutional Partners



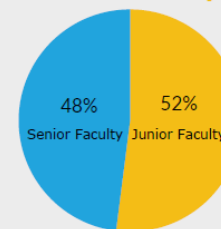
- Medicine (71%)
- Engineering (10%)
- Public Health (9%)
- Nursing (3%)
- Other (7%), includes Chemistry, Computer Science, Education, and Animal Science

Investigators Collaborating with Other Investigators or Institutions



- Collaborated with others (68%)
- Did not have collaborations (32%)

Of the 300 Awardees, More than Half are Junior Faculty



- Senior Faculty:**
- Associate Professor
 - Professor
 - Regents Professor

- Junior Faculty:**
- Research Associate
 - Instructor
 - Assistant Professor

3. Support with translation of ideas from concept to practice

- Engage and grow the community of **clinician entrepreneurs** as thought leaders in the development and translation of medical devices and health IT applications
- Train interdisciplinary research teams in the **commercialization** of health technologies
- Accelerate the preparation of **women** and **underrepresented minorities** for entry into STEM fields

Activities

- ❑ Master of Biomedical Innovation and Development (MBID)
- ❑ Clinician Entrepreneurial Fellowship
- ❑ TI:GER program
- ❑ Partner with Metro Atlanta Chamber's Bioscience Leadership Council
- ❑ I-Corps™ @ NCATS Supplement
- ❑ Partner with 2 regional community organizations (SEMDA and WIT)
- ❑ Commercialization and Entrepreneur Academy
- ❑ MedTech Embedded Product Innovation Program
- ❑ Capstone Senior Design Program
- ❑ Kauffman FastTrac® TechVenture™
- ❑ Coulter Demo Days
- ❑ Expert Business Support for SBIR/STTR Funding
- ❑ mHealth Informatics
- ❑ Forge

I-Corps@NCATS: Regional Evidence-based Entrepreneurship Training Program

- 5-week program co-hosted with Univ. of Alabama, Birmingham
- July 9 – August 6
- Kick-off and finale in-person
- Intervening weeks via webex

UAB CENTER FOR CLINICAL AND TRANSLATIONAL SCIENCE
Knowledge that will change your world



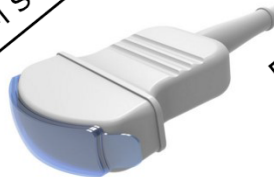
I-Corps@NCATS Development Team



CAPSTONE PROGRAM

Provides students the opportunity to design, build & test prototypes. They have the opportunity to showcase their efforts at the "Capstone Design Expo."

TEAM SONOFAST



Replaces liquid ultrasound gel with a new adhesive surface one side & slippery on the other, providing bright & high quality images.

TEAM OCULOSTAPLE



Created to treat severe dropping eyelid to eliminate vision obstruction, shortening surgery & recovery time.

TEAM BIOLETICS



Device sits under pet's skin & attaches to nerves. It manages diabetes through electrical stimulation.

TEAM VIAPORE



Relieves back pain from spinal surgery. The improved implant is porous, instead of solid, creating a mechanical interlock at the implant-bone interface.



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Kauffman FastTrac[®] TechVenture[™]

A proven entrepreneur training course designed to help technology/science-based entrepreneurs grow a great idea into a successful business

Course Outline

1. Exploring Entrepreneurship
2. Defining the Target Market
3. Conducting Market Research and Analysis
4. Testing Your Business Concept
5. Entering and Capturing the Market
6. Planning for Financial Success
7. Building and Compensating Your Team
8. Protecting Your Business and Your Intellectual Property
9. Identifying Funding and Working with Investors
10. Managing Cash and Operating Your Business
11. Managing Conflict of Interest (COI)

Kauffman FastTrac[®] TechVenture[™] Facilitator

Donovan Moxey, Ph.D.

CEO, Interactive Multimedia Solutions, Inc.

Speakers

Each topic will be taught by a different company executive or experienced entrepreneur

When

The course will be given in 6 full-day sessions (8:30am - 4:30pm) over 7 weeks.

May 2017 (4th, 11th, & 25th)

June 2017 (1st, 8th, & 15th)

Where

Emory University Main Campus

Application Fee

- \$150 per participant. Price covers all course materials, breakfast, lunch, and parking.
(The cost per participant (\$800) is subsidized by ACTSI & OTT.)
- Previous participants may sit in on any session for free
(No registration required).

How to Apply (Deadline: April 25, 2017)

Please follow this link to the application form: <http://bit.ly/2epacCf>.

Please apply early. Space is limited.

Questions?

Ashley Myers, aemyers@emory.edu (404-727-1785)

Sponsors:



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4. Mentoring, collaboration, and team science assistance

- Promote collaboration and team science among investigators at all four academic institutions by:
 - Collate and advertise **collaboration opportunities** (e.g. statewide conference)
 - Provide **team science training** (e.g. workshops)
 - Organize and enhance **mentoring activities** across the Georgia CTSA



Georgia Clinical & Translational Science Alliance presents:

Speed Networking



Learn. Connect. Collaborate.

Join researchers from across the Georgia CTSA for an evening of energetic and dynamic networking. Attendees will participate in a series of short one-on-one meetings with potential collaborators from both clinical and basic science areas. A limited number of virtual networking seats will be available for interested investigators not based in Atlanta.

Topic: Opioid Epidemic

Who: Interested Clinicians and Researchers

When: Tuesday, March 13, 2018 | 5:00p.m. – 7:30p.m.

Where: Emory University James B. Williams Medical Education Building
1648 Pierce Dr. NE, Atlanta, GA 30307

Agenda:

5:00 – Registration

5:15 – Speed Networking

7:00 – Reception

Register Now!

Registration is required.
Deadline to register : February 26,
2018

Building and Managing a Multidisciplinary Research Team

Presenter



Gaetano R. Lotrecchiano, EdD, PhD

Gaetano Romano Lotrecchiano, EdD., PhD is an associate professor in the Department of Clinical Research and Leadership in the School of Medicine and Health Sciences at George Washington University (GWU) and a Senior Scholar in the Office of Clinical Practice Innovation. He is the team leader of the MATRICx project and is a Morton A. Bender Teaching Excellence recipient and past Chair of the GWU Academy of Distinguished Teachers. Dr. Lotrecchiano has conducted workshops at the National Science of Team Science (Sits) meetings, and is a sought-after clinician for team science effectiveness.

Dr. Lotrecchiano has been a guest speaker at numerous conferences including, The International Conference on Organizational Learning Knowledge and Capabilities. He also serves as the vice-chair of the International Science of Team Science. His research interests are grounded in team science inquiry and include transdisciplinary leadership and education, social mechanisms of team science, collaboration readiness, and change dynamics in groups



Learn. Collaborate. Team Build

As Scientific teams become normative environments in which to advance and accelerate medical and health advances, there is a growing need for these teams to work with greater effectiveness to achieve their scientific goals. Come and explore the best practices drawn from practical and evidentiary team science studies and develop team science plans for use in your scientific environment.

Offering:

- *Enriching Discussions on key dynamics and constructs of Team Science
- *Breakout Sessions- Challenges and Barriers and Leaning to Overcome
- *Development of a Team Science Plan
- *Team Consultations- *limited registrants*

When: April 16, 2018

Who: Georgia CTSA Affiliates and Team Members

Where: Emory University Cox Hall Ballroom, Rooms 1-3, 569 Asbury Circle, Atlanta GA 30322

Agenda:

8:30- Registration

9:00- Workshop Session

10:30- Breakout Sessions (divided strategically)

12:00- General Session

****Team Consultations held in SOM 303, based on scheduled time ****

[Register Now!](#)

Deadline is March 23, 2018



Georgia Clinical and Translational Science Alliance

presents

The 5th Annual Health Services Research Day



Improving Outcomes and Value of Healthcare

Wednesday, May 9, 2018

8:00 am – 3:00 pm

Emory School of Medicine Building, Auditorium 110

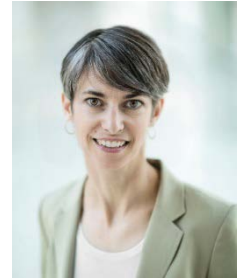
Keynote Speaker:

Rachel Werner, MD, PhD

Professor of Medicine, Perelman School of Medicine

Professor of Health Care Management, Wharton School

University of Pennsylvania



Event [registration](#) now open

Presidents' Award of Distinction for Team Science

- New award to recognize high-functioning multi-disciplinary research teams whose innovative work positively impacts human health
- For teams with at least one representative from Georgia CTSA partners
- Call for nominations fall, 2018
- Award conferred at annual Georgia CTSA conference

Cross-institutional Mentoring

- Mentoring committee considering how to best support mentoring across institutions
 - Mentor matching, mentor training, mentoring resources, mentor recognition
 - Input welcome (kgriend@emory.edu)

5. Research education and career development

- ❑ Clinical and translational research training, both didactic and mentored, including:
 - ❑ KL2 program for junior faculty career development
 - ❑ TL1 program for pre- and post-doctoral training
 - ❑ Master of Science in Clinical Research
 - ❑ Certificate Program in Translational Research
- ❑ Educate and support clinical and translational research workforce beyond formally trained faculty, trainees, and fellows:

KL2, TL1, and CPTR Program Directors

- Henry Blumberg, MD (Emory) **KL2 and TL1**
- **Igho Ofotokun, MD, MSc** (Emory) **KL2**
- **Pamela Bhatti, PhD, MSc** (GT) **KL2 and TL1**
- Doug Paulsen, PhD (MSM) **TL1**
- Somanath P.R. Shenoy, PhD (UGA) **KL2 and TL1**
- Alexander Quarshie, MD, MSc (MSM) **KL2**
- Thomas Ziegler, MD (Emory) **TL1**
- **Rachel Patzer, PhD, MPH** (Emory) **TL1**
- Dawn Comeau, PhD, MPH
(**KL2 and TL1 Evaluator**)



- **Jessica Alvarez, PhD, RD**
Assoc. Director, **CPTR**

KL2 Program – Junior Faculty Clinical and Translational Research (CTR) Training and Career Development

- 2 years of support (75% salary plus \$25K/yr technical budget)
- Didactic (MSCR or CPTR) and mentored research training
- Bridge to NIH K award (and beyond)
- >70% federal funding as PI success rate
- 97% (33/34) of completed KL2 scholars are engaged in CTR
- CTSA KL2 scholars (n=42): 75% women, 20% URM



➤ 8 current Georgia CTSA KL2 scholars



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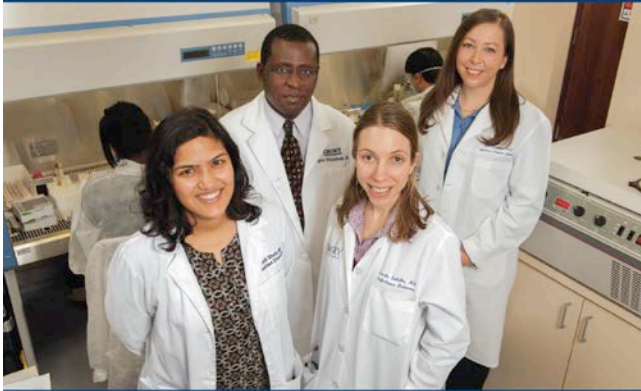
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Master of Science in Clinical Research

KL2 – Mentored Clinical and Translational
Research Scholars

TL1 – Medical Scientist Training

Research Education, Training, & Career Development Program



NIH-FUNDED CLINICAL AND TRANSLATIONAL SCIENCE AWARD
ATLANTA CLINICAL & TRANSLATIONAL SCIENCE INSTITUTE (ACTSI)



Emory MSCR

- Initiated in 1998; NIH funded since 1999 (K30, CTSA)
- **Didactic and mentored** clinical and translational research training
- **Predocs, postdocs, faculty**
- **30 Credits**
- **Mentored thesis**
- **Grant writing class**
- **> 200 MSCR graduates!**

K12/ACTSI KL2 Outcomes (n=54, incl 8 current)

- ▣ **32 (70%) of 46** of K12/KL2 scholars have obtained **NIH or other federal funding as a PI; 91% engaged in CTR**
 - **24 obtained NIH K23 (or other K) awards**
 - **34 R series awards (20 R01s, 6 R21s, 2 R24, 1 R56, 5 U01)**
 - **Other federal awards: 3 DOD, 4 CDC, 2 NSF**
 - **>\$100 million in grant funding, >1000 publications**
-

CTSA KL2 Outcomes (n=34 completed) [CTSA era]

- ▣ **97% (33/34) engaged in CTR**
- ▣ **70% PI of federal grant (NIH, CDC, DOD, NSF)**