December 2019 Newsletter

CONGRATULATIONS!

I-CORPS TEAMS SHARPEN THEIR BUSINESS SKILLS: Six teams recently completed the Fall 2019 session of I-Corps training facilitated by Dr. Nate Hafer (UMMS), Dr. Denise Dunlap (UML), and Michael Laine, MBA (UML). During the five-week innovation and commercialization training course, participants tested hypotheses about the commercial potential of their new technologies. Osman Bilsel said, "The single most valuable part is....I'm much more confident about who my target customers are and what their pain points are. It's good to know I'm developing technology that will be useful." To learn more about the UMCCTS I-Corps program, please visit https://www.umassmed.edu/ccts/education/i-corps-program-at-the-umccts/

CAPCAT NEEDS YOUR INPUT!

PLEASE TAKE THE CAPCaT (Center for Advancing Point of Care Technologies) NEEDS ASSESSMENT SURVEY: The pace of technological change in healthcare is rapid and potentially transformative. We want to understand your experiences with point-of-care technologies and where you think new devices are most needed. We need input from healthcare providers like you to identify the best opportunities for technology to complement, as opposed to complicate, healthcare. Thank you in advance for providing critical feedback to CAPCaT.

To participate, please visit https://arcsapps.umassmed.edu/redcap/surveys/?s=4MYFWTARA9.

If you have any questions, please contact Nate Hafer at nathaniel.hafer@umassmed.edu.

FUNDING

CCTS SPARK Program (Small Pilot and Research Knowledge)
CCTS Small Conference Grants

FOA from the Joint Program Committee-6/Combat Casualty Care Research Program and National Heart, Lung, and Blood Institute: December 2

MCCISS K12 Training Grants: Applicant Webinar December 9

CCTS SPARK PROGRAM: Rolling application deadline. This program's priorities are to support studies that impact clinical care and research methodologies, support students/trainees, and provide access to funds to generate pilot and preliminary data for external grant submissions. For more information, click on this link: https://www.umassmed.edu/ccts/funding/spark-program/

CCTS SMALL CONFERENCE GRANTS: Rolling application deadline. This funding facilitates the development of faculty-to-faculty networks within the University system. Click on this link for more information: https://umassmed.edu/ccts/funding/small-conference-grants/

FUNDING OPPORTUNITY ANNOUNCEMENT: The Department of Defense Joint Program Committee-6 (JPC-6), Combat Casualty Care Research Program (CCCRP) has collaborated with the National Heart, Lung, and Blood Institute (NHLBI) to promote a new initiative by publishing a Funding Opportunity Announcement (FOA). This FOA will establish a trans-agency program to support collaborations between hematologists/vascular experts, neuroscientists, and blood-brain barrier (BBB) tissue chip developers for high risk/high reward research to create enhanced/modified platforms that more closely model the human BBB. The first application due date is **December 2, 2019.** Click here to submit an application.

MCCISS K12 TRAINING GRANTS: The Massachusetts Consortium for Cardiopulmonary Implementation Science Scholars (MCCISS) announces K12 training grants for 2020. These grants are for junior faculty working in cardiopulmonary health. The grants provide support for two years of mentored research training in implementation science.

MCCISS Important Dates:
    12.09.2019 Applicant Webinar
    01.06.2020 Letters of Intent Due
    03.09.2020 Full Applications Due
    04.01.2019 Scholar Selection
    09.01.2019 Scholar Appointments

For more information, please visit www.umassmed.edu/mcciss/

EDUCATION

K Club: Ongoing
PiPSS: Projects in Process Seminar Series

K CLUB: Meets **every other Wednesday** from **4:00pm to 5:00pm** in **S2-121** to provide information and feedback on Research Career Award applications (NIH K Awards, VA Research Career Awards, CTSA K grants, etc). Participants receive feedback on their biosketch, training plans, research plan, specific aims, and a wealth of other information.

For more information, visit: https://www.umassmed.edu/ccts/education/k-club

PiPSS: The Projects in Process Seminar Series (PiPSS) is designed to give CCTS trainees and junior faculty an opportunity to present their work in a structured format and in a forum of peers and faculty, with the goal of ensuring continuous, professional feedback and cross-fertilization that is required for excellence in research. Sessions are held on Fridays beginning in **December 2019 through May 2020**. Sessions are held from **11am-12pm** in ASC7.2072 (Albert Sherman Building).

The December 6th speakers will be:

→ **Jordy Mehawej** "*Estimated and Perceived Risk of Stroke Among Older Patients with AF: The Sage-AF Study*"

→ **Paul Greer** "*New Modes of Vertebrate Olfaction*"

The December 13th speakers will be:

→ **Maira Castaneda Avila** "*The Role of a Monoclonal Gammopathy of Undetermined Significance Diagnosis in Healthcare Utilization*"

→ **Stephanie Carreiro** "*iTransform: Wearable Biosensors to Detect the Evolution of Opioid Tolerance*"

EVENTS

Repurposing Off-Patent Drugs: Research Regulatory Challenges Workshop: December 5-6
PMM In-House Seminar Series Sheila Collins, PhD: December 12
Translational Science 2020 Call for Poster Abstracts: December 13 Deadline
PMM In-House Seminar Series Christopher Hammell, PhD: December 16
NCATS Day: Conversations on Responsible Data Sharing: December 17
Beyond Bits to Bytes: Looking to the Future in Imaging and Data: January 13, 2020
CTSA Shared Mentoring Symposium: January 31, 2020
9th Annual UMCCTS Community Engagement & Research Symposium Poster Call: January 24, 2020

REPURPOSING OFF-PATENT DRUGS: RESEARCH & REGULATORY CHALLENGES FREE WORKSHOP: NCATS is interested in finding new uses for existing drugs where there isn't enough data available for the drugs to be used off-label. The FDA is interested in use of real-world evidence/real-world data to update labels with information about new indications where drugs are prescribed off label. You are invited to

attend this free informational series being held **December 5-6, 2019** at the Hilton Rockville Hotel & Executive Meeting Center, in Rockville MD. To learn more and register, click here.

PMM IN-HOUSE SEMINAR SERIES SHEILA COLLINS: Program in Molecular Medicine In-House Seminar Series presents Sheila Collins, PhD, Professor, Department of Cardiovascular Medicine and Molecular Physiology and Biophysics, Vanderbilt University Medical Center, *"Signals and Circuits Regulating Adipose Tissue Metabolism"* on **Thursday, December 12, 2019** at 12:00pm, in the Molecular Medicine Seminar Room, 3rd Floor, Biotech Two.

TRANSLATIONAL SCIENCE 2020 CALL FOR POSTERS: At Translational Science 2020, we want to shine a spotlight on the most innovative, forward-thinking research in the field. Share your original research and help us create a meeting where people can enhance their personal development and learning process. Abstracts will be accepted in the following tracks: basic; methodology; data science; biostatistics; informatics; commercialization; entrepreneurship; digital health; social media; education; mentoring; professional and career development; health equity; community engagement; mechanistic basic to clinical; regulatory science; team science; translational science; policy and health outcomes science. **The deadline to submit poster abstracts is Friday, December 13**. To learn more about Translational Science 2020 to be held in Washington DC April 14-17, 2020.

PMM IN-HOUSE SEMINAR SERIES CHRISTOPHER HAMMELL: Program in Molecular Medicine In-House Seminar Series presents Christopher Hammell, PhD, Associate Professor, Cold Spring Harbor Laboratory, Watson School of the Biological Sciences, *"Temporal Patterning During C. elegans Development: the Analog and the Digital"* on **Monday, December 16, 2019** at 10:00am, in the Molecular Medicine Seminar Room, 3rd Floor, Biotech Two.

NCATS DAY-CONVERSATIONS ON RESPONSIBLE DATA SHARING: Please join us on **December 17, 2019** on the NIH campus in Bethesda MD. For more information and to register, please visit the NCATS Day registration site here.

BEYOND BITS TO BYTES: Looking to the Future in Imaging and Data: The Massachusetts Life Sciences Center is pleased to host this seminar on **January 13, 2020** from 3-5pm at the Broad Institute. Learn how data is rapidly changing patient care. The event will include a panel discussion covering a wide range of relevant topics. To learn more and to register, click here.

2020 CTSA SHARED MENTORING SYMPOSIUM – SAVE THE DATE: Please join host Tufts University Health Sciences for a morning of networking, panel discussions, and one-to-one mentoring on **Friday, January 31, 2020** from 8am to 12pm at the Tufts University Health Sciences Campus, 145 Harrison Avenue, Sackler 114, Boston MA 02111. The event is co-sponsored by Boston University, Harvard Catalyst, and UMass CCTS. To register, please click here.

9th ANNUAL UMCCTS COMMUNITY ENGAGEMENT AND RESEARCH SYMPOSIUM – CALL FOR POSTERS: The 9th Annual UMCCTS Community Engagement and Research Symposium will be held on

March 20, 2020. The breakout sessions serve as an opportunity to learn about innovative initiatives from community-engaged research teams from with the UMass system, as well as from local communities, other academic institutions, and beyond. Breakout sessions will be 60 minutes and include interactive discussion. To learn more about the symposium and previous breakout sessions, click here. **Posters are due by Friday, January 24**. Registration for the symposium will open on January 10, 2020. If you need additional information, email Karen Del'Olio at Karen.DelOlio@umassmed.edu.

DID YOU KNOW?

CTSA Regulatory Expertise
Diamond Portal Allows CTSA Members to Access
HRPP QA/QI
National Center for Data to Health (CD2H)
Recruitment and Retention Toolkit
UMCCTS Intake Portal

CTSA REGULATORY EXPERTISE: Three North Carolina Clinical and Translational Science Awards (CTSA) Program hubs have collaborated to create a platform for sharing regulatory expertise and best practices. The Regulatory Guidance for Academic Research of Drugs and Devices (ReGARDD) Program provides researchers with regulatory guidance, education, and consultative support, to ultimately help them move promising products and novel discoveries to clinical trials.

ReGARDD, which is coordinated by Duke University, the Wake Forest School of Medicine, and the University of North Carolina at Chapel Hill hubs with partner RTI International, officially launched in 2015 and has been developing since. The program builds upon the existing services and knowledge of the North Carolina CTSA Program Regulatory Groups and the Research Triangle Park (RTP).

Visit the ReGARDD website here.

DIAMOND PORTAL: To address the need for consistent training assessment and measures of competency, the Michigan Institute for Clinical & Health Research (MICHR) has collaborated with the Ohio State University, Rochester University, and Tufts University to launch the DIAMOND Portal. It is a pioneering digital collection that serves as a sustainable, federated database for members of clinical and translational research study teams to share and access training and assessment resources. For more information, visit https://www.michr.umich.edu/news/2018/10/15/new-diamond-portal-allows-ctsa-members-to-access-share-training-and-assessment-materials

HRPP QA/QI: The Human Research Protection Program (HRPP) Quality Assurance/Quality Improvement (QA/QI) Program is a component of the UMass Center for Clinical and Translational Science. The program is independent of the IRB and helps study teams and investigators by conducting routine post-approval monitoring of on-going research to evaluate adherence with institutional requirements and federal regulations. If there are review findings, the QA/QI manager shares those findings with investigators and study teams, and provides direct education on the findings, including how

to avoid making similar errors in the future. In order to support improvement at an institutional level, the QA/QI manager shares aggregated data from reviews with the HRPP leadership and the Research Community to identify trends and target areas for education. The program also makes self-evaluation tools available to investigators and study teams seeking to perform their own assessments. To learn more about HRPP QA/QI HRP-142, visit: https://www.umassmed.edu/globalassets/ccts/ccts-media/irb/updated-sops-2015/hrp-142-hrpp-qa-qi-program-final.pdf.

NATIONAL CENTER FOR DATA TO HEALTH (CD2H): The goal of CD2H is to make data more meaningful, open and accessible. The CD2H supports a vibrant and evolving collaborative informative ecosystem for the CTSA program and beyond. The CD2H harnesses and expands an ecosystem for translational scientists to discover and share their software, data and other research resources within the CTSA program network. The CD2H also creates a social coding environment for translational science institutions, leveraging the community-driven DREAM challenges as a mechanism to stimulate innovation. To learn more, click here.

RECRUITMENT AND RETENTION TOOLKIT: The Trial Innovation Network accepts toolkit submissions from CTSAs and reputable community health partners and provides them as a free resource to the research community. The materials on this site are designed primarily for CTSA program staffs. These resources are intended to provide a variety of information that includes best practices and evidence-based recruitment and retention strategies. Full information can be found at https://trialinnovationnetwork.org/recruitment-retention-toolkit/?key-element=1681

UMCCTS INTAKE PORTAL: The UMass Center for Clinical and Translational Science has implemented an intake/service request portal. Currently the portal is being utilized by the Office of Clinical Research for intake of all agreements and amendments. OnCore updates/corrections and Certificates of Confidentiality. The portal can be accessed on their newly updated website at https://www.umassmed.edu/ocr/

SHARE YOUR SUCCESS STORY

Have you had *your research published* that cites the UMass Center for Clinical and Translational Science? Has *your patent been filed* on technology developed using Center funding or resources? Did your pilot project receive external grant funding? Share it with us at ccts@umassmed.edu. Sharing your success demonstrates the importance and effect of the Center for Clinical and Translational Science at UMass.

Newsletter Submissions: To be included in the CCTS Monthly Newsletter, please send announcements, including a link, to ccts@umassmed.edu. The newsletter is published the first week of each month.

PLEASE REMEMBER TO C*IT*E in all presentations and journal publications:
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