CENTER FOR CLINICAL AND TRANSLATIONAL SCIENCE
UMASS

November 2019 Newsletter

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

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.

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*](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

PMM In-House Seminar Series featuring Arthur Mercurio, PhD: November 4
PMM In-House Seminar Series featuring David Bartel, PhD: November 5
Open House: 3D Printing Core: November 5
Barracuda Bowl 2019: November 6
Clinical Investigator Training Course: November 12-14
M2D2 Presents Lunch and Learn with ClinicalBid: November 13
Imaging Week-Celebrating Light Microscopy at UMMS: November 18-22
Bioinformatics Core DolphinNext Training: November 21
Repurposing Off-Patent Drugs: Research Regulatory Challenges Workshop: December 5-6
Translational Science 2020 Call for Poster Abstracts: Deadline is December 13
NCATS Day: Conversations on Responsible Data Sharing: December 17
SAVE THE DATE-CTSA Shared Mentoring Symposium: January 31, 2020
9th Annual UMCCTS Community Engagement and Research Symposium: March 20, 2020

IN-HOUSE SEMINAR SERIES: Program in Molecular Medicine In-House Seminar Series presents Arthur Mercurio, PhD, Professor, Department of Molecular, Cell & Cancer Biology, *"Pathways that Determine Cancer Stem Cell Fate"* on **Monday, November 4, 2019** at 12:00pm, in the Molecular Medicine Seminar Room, 3rd Floor, Biotech Two.

IN-HOUSE SEMINAR SERIES: Program in Molecular Medicine IGP Student Sponsored Molecular Medicine Distinguished Lecture presents David Bartel, PhD, Professor of Biology MIT; Member, Whitehead Institute, Investigator, Howard Hughes Medical Institute *"MicroRNAs"*. **Tuesday, November 5, 2019** at 12:00pm in the Albert Sherman Center (AS2-2102). IGP students will host a reception from 4:30pm to 5:30pm in the Atrium (adjacent to the Cube).

OPEN HOUSE: 3D PRINTING CORE: Come see the new 3D printers and learn about core services! The core utilizes 3D printing, laser cutting and open-source resources to develop products and tools that can be used by UMMS laboratories and clinical partners. Refreshments will be served. **Tuesday, November 5, 2019** from 1:00-3:00pm in S7-245.

BARRACUDA BOWL: The Barracuda Bowl is happening in Boston on Wednesday, **November 6th** hosted by Mintz Levin, 1 Financial Center, Boston MA. It's a great opportunity for startups to meet with high-level experts and other healthcare entrepreneurs. See the 5 Live Pitch presenters: Arrow DX, ARTus Inc, ConquerX, Stratagen, and Udo Test. Check out M2D2's blog to see why you should attend! For free tickets to attend, click here.

CLINICAL INVESTIGATOR TRAINING COURSE: The Regulatory Education for Industry (REdI) presents the Clinical Investigator Training Course being held on **November 12-14, 2019** at the Hotel at the University of Maryland, College Park MD. Topics include clinical trial design and analysis, safety and efficacy requirements, ethical considerations, FDA regulatory requirements and more. To learn more or to register, click here.

M2D2 LUNCH AND LEARN: M2D2 presents Lunch and Learn with ClinicalBid on Wednesday, November 13, 2019 from 12:00pm-1:00pm in the Albert Sherman Center AS7.2072. **Finding Clinical Partners and Patients. Get it Right!** You're ready to start your trial. Fantastic! Who do you partner with? How do you find the right CRO? Do you know if they submitted a competitive price? What about staffing the trial? How will you recruit patients? What if your trial needs rescuing? Don't worry – ClinicalBid has you covered. Spend an hour with ClinicalBid to learn how their Private RFP Platform will help you coordinate vendors and streamline the quoting process. Lunch will be provided. To learn more about us, visit our website: https://clinicalbid.com. To register, click here. If this link does not work, please use https://www.eventbrite.com/e/lunch-learn-with-clinicalbid-tickets-78250821313

IMAGING WEEK AT UMMS: Imaging Week celebrates light microscopy at UMass Medical School through seminars, workshops, instrument demonstrations, a poster session, the Fredric S. Fay Keynote address given by Edward Boyden, PhD, *"Tools for Analyzing and Controlling Complex Biological Systems"* and (new this year!) an Image Analysis Symposium. Please join us to learn more from November 18-22, 2019. To learn more, click here!

BIOINFORMATICS CORE DOLPHINNEXT TRAINING: Please join Bioinformatics Core Co-Director Alper Kucukural, PhD, and Bioinformatician III Onur Yukselen, MS, for the upcoming training session *"Hands On Training: Developing Nextflow Pipelines Using DolphinNext"* on **Thursday, November 21, 2019** from 1:00-3:00pm in the Albert Sherman Center AS6.2072, hosted by Manuel Garber and Alper Kucukural. To register for training, click here.

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.

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, click here. To submit your abstract, click here.

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.

SAVE THE DATE - 2020 CTSA SHARED MENTORING SYMPOSIUM: 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 BREAKOUT PROPOSALS: 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. Breakout Proposals due by **November 20, 2019 at 5pm EST** by submitting your proposal to communityengagement@umassmed.edu. When submitting your proposal, please include the title of the

breakout session, name(s) and affiliation of moderator(s), list of breakout session presenters with email/phone, background and purpose of the breakout session, and your anticipated format including a description of how you will interact with the audience. You will be notified by <u>December 13, 2019</u> regarding the status of your proposal. Registration for the symposium will open on <u>January 10, 2020</u>.

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).

Read the full story [here](). 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 file*d 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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