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UMCCTS Newsletter, January 2020

UMass Center for Clinical and Translational Science

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CENTER FOR CLINICAL AND
TRANSLATIONAL SCIENCE

January 2020 Newsletter

FUNDING

CCTS SPARK Program (Small Pilot and Research Knowledge)

CCTS Small Conference Grants

MCCISS K12 Training Grants: Letters of Intent Due January 6

CAPCaT Call for Solicitation: Pilot Funding Opportunity: January 22, 2020

Damon Runyon Cancer Research Foundation Clinical Investigator Award: February 3, 2020

Charles A. King Trust Postdoctoral Research Fellowship Program: March 4, 2020

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/>

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:

01.06.2020 Letters of Intent Due

03.09.2020 Full Applications Due

April 2020 Scholar Selection

09.01.2020 Scholar Appointments

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

The Massachusetts Consortium for Cardiopulmonary Implementation Science Scholars is supported by the National Heart, Lung, and Blood Institute of the National Institutes of Health under Award Number K12HL138049.

CAPCaT CALL FOR SOLICITATION: PILOT FUNDING OPPORTUNITY: The University of Massachusetts' Center for Advancing Point of Care Technologies (CAPCaT) in Heart, Lung, Blood, and Sleep Diseases soon will be announcing an award solicitation focused on developing, adapting, or validating technologies that can be rapidly applied to heart, lung, blood, or sleep disorders, with additional interest in projects that incorporate complementary and integrative health approaches. To learn more, please visit <https://cimit.net/web/capcat/solicitations> on **January 22, 2020**.

DAMON RUNYON CANCER RESEARCH FOUNDATION CLINICAL INVESTIGATOR AWARD: The Damon Runyon Cancer Research Foundation is seeking independent investigators engaged in disease-oriented research that is characterized by exceptional innovation and creativity. seeks to increase the number of young physicians entering clinical cancer research each year with a focus on disease-oriented research characterized by exceptional innovation and creativity. The foundation provides over \$600k of financial support over three years and also allots up to \$100k (over the course of the award) toward the retirement of medical school debt owed by the awardee.

Important Dates:

February 3, 2020: Application Deadline

March 2020: Notification of Finalists

April 21, 2020: Finalist Interviews

July 1, 2020: Funding Begins

UMass Medical School has been invited to submit **FIVE** applications. Applications must be submitted through [proposalCENTRAL](#) by 4:00pm on February 3, 2020. Application instructions and relevant forms are available [here](#). No hard copies or emailed applications will be accepted. Click [here](#) for more detailed information.

CHARLES A. KING TRUST POSTDOCTORAL RESEARCH FELLOWSHIP PROGRAM: Apply NOW for the 2020 Postdoctoral Research Fellowship Program in Basic Science and/or Clinical/Health Services Research. **Application deadline is March 4, 2020 at 12:00pm EST.** The Charles A. King Trust was created to support and promote the investigation of human disease and the alleviation of human suffering through improved treatment. The primary goal is to provide fellowships to Massachusetts' postdoctoral fellows to investigate the causes of diseases in human beings and/or improve methods of treatment for human diseases. US citizenship is *not* required. Two-year grants ranging from \$104,008 to \$117,760 inclusive of a \$2,000 expense allowance will be awarded September 1, 2020. For application guidelines and templates, click [here](#). For terms of the awards, click [here](#). The funding period will be September 1, 2020 through August 31, 2022. To reach the Grants Officer, contact Lindsey Carver, MA at lcarver@hria.org.

EDUCATION

K Club: Ongoing

PiPSS: Projects in Process Seminar Series Point-of-Care Technology Survey: Healthcare Provider Input Needed ACME POCT Clinical Needs Survey

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 January 17th speakers will be:

- **11:00am Jinying Chen** “*The Pain Assessment and Triage – Facilitation Program (PAT-FP) Project*”
- **11:30am Matt Harkey** “*Patient-Specific Interpretation of Physical Function in People with and at Risk for Knee Osteoarthritis*”

The January 24th speakers will be:

- **11:00am Dan Amante** “*DM-BOOST (a Diabetes Mellitus Program using Behavioral Economics to Optimize Outreach and Self-Management Support with Technology)*”
- **11:30am Andriana Foiles Sifuentes** “*Language Accessibility and Oral Health Care Among Aging Populations*”

The January 31st speaker will be:

- **11:30am Grace Masters** “*Development of the Practice Readiness to Evaluate and Address Perinatal Depression (PREPD) Assessment*”
-

Point-of-Care Technology Survey: Healthcare Provider Input Needed

Researchers at UMass Medical School focused on heart, lung, blood, and sleep disorders (CAPCaT) have created a brief survey that will help inform how to support promising new technologies and want to understand your experiences with point-of-care technologies and where you think new devices are most needed. They need input from healthcare providers to identify the best opportunities for technology to complement healthcare. Compensation will be provided for completing the survey (\$20). Contact Nate Hafer with questions: nathaniel.hafer@umassmed.edu.

Take the survey here: <https://arcsapps.umassmed.edu/redcap/surveys/?s=4MYFWTARA9>

ACME POCT Clinical Needs Survey

Calling all clinicians! Do you have a clinical need that might be met through development of a new point-of-care technology? If so, our NIH-funded center wants to hear from you! Please click on the brief 1 question survey below to tell us about a clinical condition you wish you could diagnose faster, monitor or manage better. More information regarding our center can be found here, <https://cimit.net/web/acme-poct/home>. The survey should only take 1 minute of your time.

Take the ACME POCT survey here: <https://www.surveymonkey.com/r/ACMEPOCT2019>

EVENTS

PMM In-House Seminar Series Phillip D. Zamore, PhD: [January 6](#)

Beyond Bits to Bytes: Looking to the Future in Imaging and Data: [January 13, 2020](#)

PMM In-House Seminar Series Paul Cohen, MD PhD: [January 16, 2020](#)

METNET Seminar Dave Guertin PhD/Dohoon Kim PhD: [January 17, 2020](#)

PMM In-House Seminar Series Jeffrey Markowitz, PhD: [January 23, 2020](#)

CTSA Shared Mentoring Symposium: [January 31, 2020](#)

9th Annual Community Engagement & Research Symposium: [March 20, 2020](#) (Posters due 1.24.20)

Un-Meeting on Lifespan and Life Course Research - Integrating Strategies: [March 2, 2020](#)

Translational Science 2020: [April 14-17, 2020](#)

RNA Therapeutics Symposium From Concept to Clinic: [June 24-26, 2020](#) (Abstracts due 02.28.20)

PMM IN-HOUSE SEMINAR SERIES PHILLIP D. ZAMORE, PhD: The Program in Molecular Medicine In-House Seminar Series presents Phillip D. Zamore, PhD, Chair and Professor, Howard Hughes Medical Institute, RNA Therapeutics Institute, “*Mechanisms and Functions of RNA Silencing Pathways*” on **[Monday, January 6, 2020](#)** at 12:00pm, in the Molecular Medicine Seminar Room, 3rd Floor, Biotech Two.

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](#).

PMM IN-HOUSE SEMINAR SERIES PAUL COHEN: The Program in Molecular Medicine In-House Seminar Series presents Paul Cohen, MD/PhD, Albert Resnick, MD Assistant Professor and Head, Laboratory of Molecular Metabolism, The Rockefeller University, “*Local and Systemic Adipose Tissue Crosswalk in Health and Disease*” on **[Thursday, January 16, 2020](#)** at 12:00pm, in the Molecular Medicine Seminar Room, 3rd Floor, Biotech Two.

METNET SEMINAR DAVE GUERTIN PhD/DOHOON KIM PhD: Please join us as UMass Metabolic Network presents Dave Guertin, PhD “*Introduction to MetNet2020*” and Dohoon Kim, PhD “*Toxic Metabolic Intermediates in Cancer Metabolism*” on **[Friday, January 17th at 3:00pm](#)** at Biotech II, 3rd Floor Seminar Room.

PMM IN-HOUSE SEMINAR SERIES JEFFREY MARKOWITZ: The Program in Molecular Medicine In-House Seminar Series presents Jeffrey Markowitz, PhD, Postdoctoral Fellow, Department of Neurobiology, Harvard Medical School, “*Using New Behavioral Technologies as a Lens for Action Selection and Reinforcement Learning*” on **Thursday, January 23, 2020** at 4:00pm, in the Molecular Medicine Seminar Room, 3rd Floor, Biotech Two.

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 COMMUNITY ENGAGEMENT & RESEARCH SYMPOSIUM – CALL FOR POSTERS: The 9th Annual Community Engagement & 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**, with notification of acceptance by **February 14, 2020**. Please click [here](#) to learn more information. Registration for the symposium will open on **January 10, 2020**. If you need additional information, email Karen Del’Olio at Karen.Del’Olio@umassmed.edu.

UN-MEETING ON LIFESPAN AND LIFE COURSE RESEARCH – INTEGRATING STRATEGIES: Please join host Northwestern University of Chicago, in conjunction with CLIC, for the seminar *Un-Meeting on Lifespan and Life Course Research – Integrating Strategies* to be held on **March 2, 2020** from 8am to 4pm at the Northwestern Medicine Prentice Women’s Hospital in Chicago. Representatives from every CTSA hub will engage in robust dialogue about effective strategies for engaging in research across the lifespan and life course. The aim is to explore, enhance and disseminate strategies for lifespan and life course research study design. A welcome reception will be held on Sunday, March 1, 2020 from 5m to 8pm at the Ann& Robert H. Lurie Children’s Hospital of Chicago. For more information, please click [here](#). To register by **January 15, 2020**, click [here](#).

TRANSLATIONAL SCIENCE 2020: 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. To learn more about Translational Science 2020 to be held in Washington DC **April 14-17, 2020**, click [here](#).

RNA THERAPEUTICS SYMPOSIUM-FROM CONCEPT TO CLINIC: Registration for the 2nd Annual RNA Therapeutics From Concept to Clinic to be held **June 24-26, 2020** is now open. Keynote speakers are Katherine High, President/Head of Research and Development of Spark Therapeutics and Michael Rosbash, Peter Gruber Endowed Chair in Neuroscience, Professor of Biology HHMI, Brandeis University. To learn more and reserve your spot, click [here](#). Register before April 3, 2020 and receive an early bird discount! For abstract submissions, click [here](#).

DID YOU KNOW?

CTSA Regulatory Expertise

Diamond Portal

HRPP QA/QI

National Center for Data to Health (CD2H)

Next Generation Blood Products RFI

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](#).

NEXT GENERATION BLOOD PRODUCTS RFI: The Office of the Assistant Secretary for Preparedness and Response (ASPR) leads the nation in preventing, preparing for, responding to, and recovering from the adverse health effects of emergencies and disasters by supporting our communities' ability to withstand adversity, strengthening our health and response systems, and enhancing national health security. Within the ASPR, the Biomedical Advanced Research and Development Authority (BARDA) provides an integrated, systematic approach to the development and procurement of necessary vaccines, drugs, therapies, and diagnostic tools for public health medical emergencies. Together, the ASPR and BARDA are issuing this Request for Information (RFI) to assist in understanding the developmental landscape of next generational blood products that could be used to treat mechanical trauma and bleeding associated with acute radiation syndrome and potentially supplement the blood supply in the wake of a mass casualty event. To learn more about this RFI and/or to submit a response, please click [here](#).

RECRUITMENT AND RETENTION TOOLKIT: The Trial Innovation Network accepts toolkit submissions from CTSA 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 *CITE* in all presentations and journal publications:

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