MR3 Network Bi-monthly Videoconference

Minutes

Wednesday, November 14, 2018

11am CT

Please join from your computer, tablet or smartphone:
https://global.gotomeeting.com/join/627816533
(224) 501-3212, Access Code: 627-816-533

On the Call: Marcas Bamman; Carla Perna; Tom Buford; Fabrisa Ambrosio; Matthew Lakich; Joy Ku; Allison Cernich; Chelsea Crawford; Ralph Nitkin; Amol Karmarkar; James Graham; Rick Greenwald; Pratik Chhatbar (Speaker); Trinika Schneider; Grace Peng

• Welcome: Dr. Bamman

• Scientific Presentation (TREAT): Virtual Reality Vision Therapy: Bringing the latest technological advancements to optometrists and their patients; Tara Alvarez, PhD; Professor of Biomedical Engineering, New Jersey Institute of Technology; Chief Scientific Officer, OculoMotor Technologies

• NIH Updates: Dr. Cernich
  • Lynn Jakeman will talk about the Spinal Cord Injury Workshop on February 12 and 13.
  • NIH is directing more attention to the “Help End Addiction Long Term” webpage; the page has all of the notices of intent to publish.
  • NIH is co-sponsoring with the National Center for Complementary Integrative Health on December 4th and 5th; the focus is on non-pharmacologic Interventions for Pain.
  • Still working with the All of Us Initiative. Dr. Cernich is the lead for NIH on the Disability Task Force where measures of disability are in the process of being integrated into this platform.
  • Started a systematic review process for Pathways to Prevention Initiative on physical activity for wheelchair users.
  • A collaboration with CDC has begun to integrate disability questions into the pregnancy risk assessment monitoring balance system; 22 states are gathering live birth data, particularly mothers with the disability.
  • NINDS is focusing on a pipeline to discover and validate new non-opioid alternative targets for pain using an R1 and R21 opportunity.

Individual Center Announcements:

• AR3T – Dr. Ambrosio
  • Letters of Intent for technology development proposals are closed; we received a good group of proposals from across the country. We were very pleased that many of the proposals represented individuals seeking to move into the field. Many of the proposals resulted from participation in our recent symposium.
  • The 2019 Annual AR3T Symposium will be October 24 through 26 in Seattle.
  • Recorded webinars from last year’s symposium will be going live next week.
• **CLDR – Matthew Lakich**
  - We have a callout for our travel award for secondary data analysis of archive studies. We have had good feedback from our past applicants.
  - We are anticipating our traditional pilot call going out this January.
  - On November 15, 2018, we will hold the GSA Workshop accessing/utilizing archive research data. We also are participating at the *Association of Academic Psychiatrists* in February 2019 with a similar workshop.
  - CLDR annual meeting coming up soon. Attendees will include our external advisory board and past pilot awardees. Pilot awardees will present and discuss how they have leveraged their P2C awards for future applications.

• **NCSRR – Dr. Delp**
  - Version 4.0 of our open sim software has been released. The project was massive and should meet the needs of researchers in our network.
  - Completed a challenge at the *NIPS Conference*, a large meeting in artificial intelligence (AI) and machine learning. We ran a musculoskeletal simulation prosthetics challenge. The machine learning AI group tried to design the parameters of a prosthetic device that enables nimble walking and turning. We had 400 participants in the remote challenge. After scoring, we invited the top 10 to come to the conference and present.
  - Completed our reviews of pilot projects; 30 applications; narrowed it to about 20 with a plan to fund two full projects. Will fund six outstanding researcher awards @ $5,000 each. Awardees will visit Stanford for a week with a goal to develop data that are more preliminary.

• **NM4R – Dr. Segal**
  - Attended the *American Society for Neurorehabilitation Meeting* and had a booth. We sponsored a spinal cord research symposium as a preconference and had a booth at *Society for Neuroscience*. Helped sponsor the neurorehabilitation social.
  - Planning to attend the *APTA Combined Sections Meeting 2019*, the *Third International Brain Stimulation Conference* and the *Society for Biological Psychiatry Conference*. Will hold a workshop in conjunction with NIMH in April.
  - Received a supplemental award from NIMH to hold a workshop related to cognitive and behavioral functions. The subject will be transcranial magnetic stimulation (TMS) techniques for mental health and disability combining TMS/EEG, TMS/FMRI or TMS/EEG/FMRI. The workshop information is posted on our website. We hope that some people from your communities will apply to attend. This is a great collaboration between NCMRR and NIMH.
  - Preparing to accept LOIs for our pilot grant awards.
  - Will hold a Grant Writing Workshop in January. We recently held an education research grant writing conference at MUSC.

• **REACT – Dr. Bamman**
  - REACT/MR3 Network in booth format at four meetings; the most recent was Society for Neuroscience; before that was ACRM, which was in collaboration with other MR3 centers and the AR3T Symposium in Seattle. We had a booth at regional symposium sponsored by REACT and UAB Center for Exercise Medicine. Due to these meetings, several people have been added to our listserv.
• Conducted clinical trials workshops at our regional symposium as well as at AR3T Symposium in Seattle. Provided travel awards for all of our 2018 pilot awardees to attend the REACT workshop as well as the UAB Center for Exercise Medicine Symposium here in Birmingham. We spent a day and a half with our pilot awardees and exposed them to good collaborative opportunities.

• Current focus is on our 2018-2019 Pilot Program. A webinar FAQ session will be held on November 28 for potential applicants. LOI due date is December 19. Invitations for full applications will be in January. In conjunction with the standard pilot program, we will jointly sponsor an award with AR3T. The winning applicant will have a regenerative rehabilitation focused clinical trial.

• TREAT – Rick Greenwald, PhD
  • We had 68 abstracts and 43 full proposals and we awarded three. We are reaching out to all applicants by phone to answer questions, discuss reviewer comments, and make recommendations for specific TREAT learning modules to help them further their commercialization goals.
  • We now have web-based TREAT commercialization learning modules for any rehabilitation or assistive technology innovator. They provide guideline activities and resources and cover business development, product evaluation technology, etc. Register free with TREAT to access modules.

Additional items:

• The 2019 meeting/newsletter schedule will be emailed soon.

Meeting adjourned