

## January 2021 Innovation Updates & Events Calendar

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### Foreword

Welcome back! As the calendar turns to a new year, we encourage you to think of 2021 as a time for new beginnings--physically, mentally, emotionally, and innovatively. The lessons from 2020 will serve us all well as we continue to navigate uncharted waters, but we hope you will do so with a renewed sense of spirit of brighter days ahead, personally and professionally.

With The New Year's lens, we ask you to look around, at your clinical work, your research, and your teaching—*are you doing something in a unique and different way from others? Do you know of a short-cut, a work-around, or a hack to a problem? Can this knowledge be shared and scaled up so others can benefit too?* Make it your **New Year's Resolution** to note your creative ideas, think about them often, and talk about them with others.



As imagery for this newsletter, we chose the quote “The magic in new beginnings is truly the most powerful of them all,” by a contemporary American writer Josiyah Martin. As we open the blank page to a new year, discover the magic in new beginnings and let us help you make magic of your ideas and bring them to the audiences they are intended to serve.

In this newsletter, we invite you to:






- celebrate the work and successes of our UMSN Nurse Innovators—and consider joining their ranks (page 2);
- join us in congratulating Deb Lee and Barb Medvec on receiving competitive XR (Extended Reality) Innovation Fund awards (page 5);
- register to participate in the next J&J Nurse Hackathon or consider obtaining a Nurse Innovation and Entrepreneurship Certificate (page 6);
- grow a culture of student innovation by supporting our Student Innovation Ambassadors (page 6) or teaming up with a group of students for a \$25,000 VentureWell award—and we can help you apply (page 7).




In support of the innovative you,





Olga and Ann



## Spotlight on Our UMSN Nurse Innovators

We congratulate all of our Nurse Innovators (and their Collaborators) for stepping into this innovation space and for the progress they have made throughout the last year. Read all about them, and their projects, below.

Nurse Innovator	Innovation	Project Status
<p><b>Carol Boyd/ DASH</b></p> 	<p>The <i>ABCs of Prescription Medication Management</i>—an interventional pamphlet and poster educating on the proper storage/use/disposal of prescription drugs for adolescents and adults for use in clinics/doctor offices, pharmacies, etc.</p>	<p>Available for purchase via this online storefront: <a href="https://umnursedash.allegra.net/login">https://umnursedash.allegra.net/login</a></p>
<p><b>Lenette Jones</b></p> 	<p>A behavioral intervention toolkit with educational training and a family/friend social network platform designed to educate African American women on self-management of their blood pressure</p>	<p>Mid-development after completing wireframe development through the UM Tech Transfer Digital Discovery process. Now seeking funds to create the app.</p>
<p><b>Cindy Fisher, Nicole Boucher, Julia Seng</b></p>   	<p>The TIC Grade Scale is the first ever client/patient tool for youth to evaluate trauma-informed care in social and healthcare settings. Toolkit includes an evaluation tool, scoring manual, scoring tool, client directions, etc. in both paper and digitized versions.</p>	<p>Being licensed through the UM Tech Transfer website: <a href="https://umich.flintbox.com/?embed=true#technologies/45e328e2-5fb8-468d-b261-67aa85090903">https://umich.flintbox.com/?embed=true#technologies/45e328e2-5fb8-468d-b261-67aa85090903</a></p>

<p><b>Michelle Munro-Kramer &amp; Bridgette Carr</b></p>  	<p>The UM Human Trafficking Collaborative: is a collaborative website from UMSN and the UM Law School, which consists of evidence-based information, training, screening tools, policies and procedures, etc., related to the identification, assessment and follow-up care of human trafficking survivors. Fulfills the Michigan state-mandated requirements for human trafficking training.</p>	<p>Tentatively scheduled to be completed in February, 2021</p>
<p><b>Ivo Dinov</b></p> 	<p>Has developed two innovations:</p> <ol style="list-style-type: none"> <li>1. <a href="#">DataSifter</a>: A patented algorithm and a computational model that enables effective and secure <i>sharing</i> of aggregated sensitive data. The DataSifter promotes transdisciplinary studies of general health, comorbid conditions, and diseases. The technique enables new scientific discoveries without compromising confidentiality or personal information.</li> <li>2. <a href="#">Compressive Big Data Analytics (CBDA)</a>: An ensemble meta-algorithm for representation and analysis of high-dimensional multivariate data from multiple sources. CBDA enables scalable analysis of complex data that currently cannot be analyzed using classical methods.</li> </ol>	<p>Information and practical demonstrations of DataSifter are available on this website: <a href="https://socr.umich.edu/HTML5/DataSifter/DataSifter_docs.html">https://socr.umich.edu/HTML5/DataSifter/DataSifter_docs.html</a></p> <p>CBDA available for use for free through this website: <a href="https://socr.umich.edu/HTML5/CBDA/CBDA_docs.html">https://socr.umich.edu/HTML5/CBDA/CBDA_docs.html</a></p>

<p><b>Becky Cherney</b></p> 	<p>TrachTrail™ is an evidence-based practice training toolkit developed to (1) teach nurses how to instruct patients in the use and care of their tracheostomies prior to discharge and (2) educate patients, and their caregivers, in the use and care of their trachs during their daily living at home.</p>	<p>Program components being updated and/or completed for licensing through the UM Office of Technology Transfer.</p>
<p><b>Sheria Lane-Robinson</b></p> 	<p>This is a mobile app that helps caregivers of people with dementia, particularly those in minority communities, who want to access resources for the person they're caring for and/or for themselves on-the-go. The app reduces the need for in-person support groups/meetings and increases the amount of desired information available to the caregivers at their fingertips via a mobile device.</p>	<p>Has completed wireframe development through the Tech Transfer Digital Discovery Process. Seeking funds to underwrite app development.</p>
<p><b>Amanda Blok</b></p> 	<p>This Technology Inpatient Program for Patients (TIPS) is a health-related smoking cessation intervention delivered to patients in an inpatient setting (i.e., the hospital) using behavioral techniques and mobile health technology to deliver the motivational messages and education.</p>	<p>Has been published. Now exploring how to potentially bring it to market.</p>
<p><b>Kevin Joiner</b></p> 	<p>This is a community health worker led intervention, in which Latino adults with prediabetes are provided information about the risk prediabetes portends for development of type 2 diabetes and the ways in which engaging in the Diabetes Prevention Program can decrease this risk using print materials and video vignettes.</p>	<p>Still early in its development and seeking grant funding to underwrite creation of the resource materials.</p>

<p><b>Sarah Peitzmeier</b></p> 	<p>This Innovator is working on two projects:</p> <p><b>Project #1:</b> This is an online, peer-led, group learning intervention designed to reduce sexual assault victimization of female undergraduate students on college campuses.</p> <p><b>Project #2:</b> This Innovator is also working on a culturally-appropriate book for the transgender community on the health impact/risks/safe use of chest binders commonly used by the transgender community.</p>	<p>Intervention currently being worked on by this UMSN Innovator and students through an Information Analytics Capstone Course through the UM School of Information</p> <p>Seeking funding to underwrite the graphic development of this book</p>
<p><b>Julia Seng</b></p> 	<p>Survivor Mom’s Companion (SMC) is a trauma-specific perinatal intervention for community and health system maternity care organizations. It is for pregnant and parenting people who have experienced childhood maltreatment trauma or ACEs. Learn more at: <a href="http://www.survivormoms.org">www.survivormoms.org</a></p>	<p>The SMC team is currently revising trainings to video-facilitated remote format. They are starting an implementation project on Chicago’s west side in collaboration with Rush University’s Department of Psychiatry.</p>

**CONGRATS TO BARB MEDVEC AND DEB LEE: UMSN Faculty Awarded XR Innovation Funding**

Congratulations to Barbara Medvec and Deb Lee for having projects awarded funding from Academic Innovations’s XR (Extended Reality) Innovation Fund. Academic Innovation will partner with Deb Lee to design and collaborate on her XR Experience titled *Transforming Nursing Education with VR Platforms* and with Barbara Medvec on her project titled *Cultivating Leadership Competency through XR*.



According to the award notification, “This XR Innovation Fund was created to support targeted experimentation designed to maximize institutional impact and to explore innovative uses of XR technologies for teaching and learning in our residential and online curricula.” This is a three-year funded commitment led by the Center for Academic Innovation launched in 2019 to help strengthen the quality of a Michigan education and cultivate scholarly practice in this space.



So happy to see the work of these esteemed UMSN faculty recognized for their innovative efforts in XR.

## SAVE THE DATE: J&J's NurseHack4Health Virtual Nurse Hackathon May 14-16, 2021

Please save this date for the next national Nurse Hackathon on 5/14-5/16/21. J&J invites all Nurses and Nurse Researchers to join their community of Nurse Innovators to help address today's greatest healthcare challenges. We had a few of our UMSN and MM Nurses join the most recent Hackathon in 11/20 and would love to see an even bigger turnout from the Michigan Nursing community in May.



Visit [nursehack4health.org](https://nursehack4health.org) early in 2021 to register, and in the meantime, visit J&J's [Innovation 101 Hub](#) to enhance your innovation and design thinking skills.

## NEW! Nurse Innovation and Entrepreneurship Certificate



Sonsiel and Drexel University's Charles D. Close School of Entrepreneurship is offering a new Nurse Innovation and Entrepreneurship Certificate. The Certificate will help you to learn how to:

- Create, develop and commercialize new ideas
- Learn how to test foundational assumptions about your idea from potential customers and collaborators
- Become an innovation "Influencer" in your own organization, and more

To learn more about this certificate program, click [here](#).

## WILL YOU HELP US Grow Our UMSN Student Innovation Ambassadors Cohort?

Please support the efforts of our UMSN Student Innovation Ambassadors—Emily Jones and Erika Folbe—under the guidance of Michelle Munro-Kramer, as they begin recruitment efforts to grow our Student Innovation Ambassador cohort. With the upheaval that COVID brought to classes in the Fall, recruitment efforts were postponed until Winter Semester, but now we need your help.



They will be reaching out to you to see if they can do a brief pitch for the Innovation Ambassadors in the near future and we hope we can count on your support to allow them a few minutes to address your class(es) via Zoom. This class-to-class recruitment proved productive for the Ambassadors last year and we hope it will grow these Student Innovation Ambassador ranks this year as well.





An informational meeting is being held for any interested Student Innovation Ambassadors on 1/26/21 from 6:00-7:30 pm via Zoom. Interested students can sign-up at <https://forms.gle/dWXPfPztJeEbaJuS6>.

We thank you in advance for your support of helping to grow a culture of innovation among our UMSN students.

## Grants of up to \$25K for Faculty-led Student Innovators

Know of a student, or group of students, with an innovation in need of funding and mentorship?

VentureWell is offering grants of up to \$25,000 for student teams with science or technological innovations that are focused on solving some of the world's biggest social, health, and environmental challenges.



Teams also gain sponsorship into a workshop that's designed to help build their confidence and entrepreneurial skills as they explore key topics like customer discovery, intellectual property and validation of their idea/business model. With peers from across the country, they map out the path for bringing their innovation out of the lab and into the marketplace.



**Application deadline: February 3, 2021**

Workshop: April 19-23, 2021

To learn more and apply now, click [here](#).

## We Take Questions

We want you AND your innovation-related questions. They help guide the content of this e-newsletter so that we write about what's most important to you.

If you have an innovation-related question, (general innovation, nursing innovation, funding for innovation or other topics related to innovation) that you'd like us to write about in a future issue, send it to us and look for a private response or a response in an upcoming e-newsletter:



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For more information about HiiP or nursing innovation, or to share an innovation announcement or news, contact the UMSN HiiP Team:  
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