VCLIC News and Happenings, Volume 23

Welcome to the March edition of VCLIC News and Happenings! We have had a busy few weeks since our last newsletter and are excited to share about our **upcoming seminars**, one with the folks from VU's Wond'ry: on March 30th, **Charleson Bell, PhD, and Deanna Meador, MA**, will share about the Biomedical Innovation Continuum at VU and VUMC; and on April 6th, **Valentin Tablan, PhD**, of [ieso health](#), a UK company focused on AI and mental health, will talk about Using Artificial Intelligence to Improve Mental Health Care.

We are also proud to present the write-up of the first **VCLIC Innovation Challenge and Hackathon**, which took place from February 25th-26th, 2022, and brought together students, faculty, and staff from across VU and VUMC to create novel applications related to mental health care. We had so much fun at the event and are so impressed with the work the teams completed over such a short period of time!

Our VCLIC Featured Member this month is **Shelagh Mulvaney, PhD**, who also served as a mentor at the Hackathon event! On behalf of Dara Mize, MD, and Travis Osterman, DO, MS, we are also **thanking all the DBMI and HealthIT faculty and staff** who participated as **lecturers in the most recent VUSM Integrated Science Course in Clinical Informatics**!

There is also a call for applications for the **Vanderbilt Center for Health Services Research Grant Program**, information on upcoming **conference submission deadlines**, and a lengthy list of **awards, honors, news mentions, accepted conference abstracts, and publications** for this month!

If you have any questions or would like to engage with our team, please email Elise (elise.russo@vumc.org).

VCLIC Seminars

Thank you to all who attended **Karandeep Singh, MD, MMSc's** talk on "**Bringing Machine Learning Models to the Bedside**" earlier this month! Dr. Singh's AI discussion was extremely engaging and timely!

We have a rare second seminar this month and are excited to welcome **Charleson Bell, PhD**, Director of Biomedical Innovation, Biodesign, and I-Corps at the Wond'ry, Research Assistant Professor of Biomedical Engineering at Vanderbilt University, and Associate Director of the Medical Innovators Development Program in the Vanderbilt School of Medicine, and **Deanna Meador, MA**, Director of Entrepreneurship at the Wond'ry, of the Vanderbilt University Wond'ry on March 30th at 12:00 pm CT.

Charleson Bell, PhD and Deanna Meador, MA will be presenting virtually on the Biomedical Innovation Continuum at VU/VUMC and how that is facilitated at the Wond'ry. In its three story, 13,000-square foot space, located in the heart of campus in Nashville, Tennessee, the Wond'ry provides the tools and resources for students, faculty, staff, and community members to bring ideas to life. Learn about all the resources at the Wond'ry that are designed to support anyone from budding entrepreneurs to community change-makers.

 Join us via Zoom.

Then, the following week, on April 6, 2022 at 12:00 pm CT, we close out our 2021-2022 seminar series with a special guest from across the pond: **Valentin Tablan, PhD**, of ieso health will give a talk on Using Artificial Intelligence to Improve Mental Health Care.

VCLIC April Seminar
Using Artificial Intelligence to Improve Mental Health Care

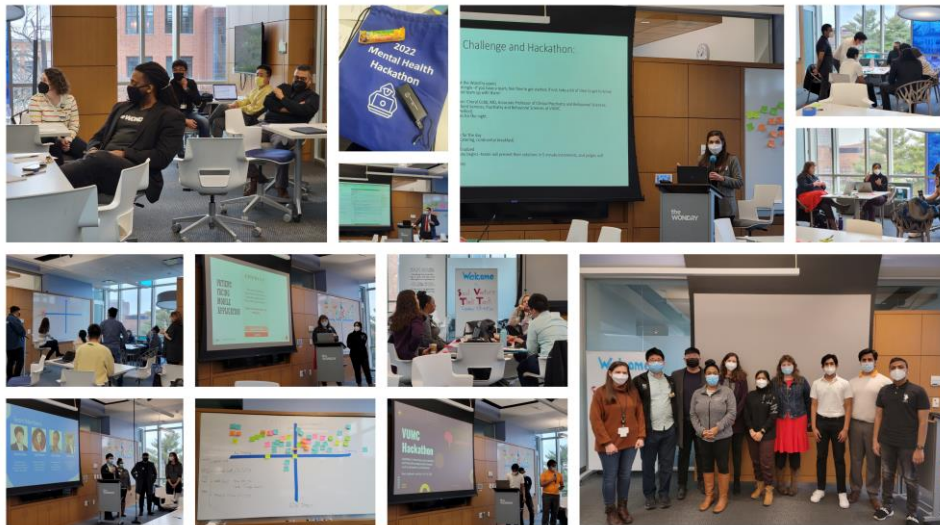Wednesday, April 6th, 2022
12:00-1:00 pm
Presented by
Valentin Tablan, PhD
Chief AI Officer of ieso

This talk will cover the use of artificial intelligence techniques, including natural language processing and deep learning, to the domain of mental health care. These include the generation of novel insights into how psychotherapy works, and the production of smart tools to monitor the quality of care delivered by a large therapy network. Another aspect covered will include research into the applicability of conversational agents (health bots) to increase the dose of therapy delivered to patients.

Join us via Zoom.

VCLIC Mental Health Innovation Challenge and Hackathon

On February 25th and 26th, 2022, the Vanderbilt Clinical Informatics Center held its inaugural Innovation Challenge and Hackathon. By their nature, hackathons provide a space for groups of people from diverse backgrounds to come together and creatively problem solve, usually in a condensed period of time (like a weekend). VCLIC's 2021-2022 theme is "Innovative Care Delivery Models for Mental Health," and as such, this event centered on a Mental Health theme.

Groups of participants with backgrounds as diverse as undergraduate freshmen engineers, MIDP students, DBMI students, VUMC project managers, and nurses from the Osher Integrative Health Clinic, came together and developed novel applications (or wire frames) with the help of VCLIC Member Mentors, who staffed the event to provide clinical, technical, and informatics input as the teams worked toward their solutions. **Cheryl Cobb, MD** also delivered a fantastic Keynote address that helped the teams to focus their work. At the conclusion of the event, the teams had seven minutes to pitch their work to a panel of judges, including **Neal Patel, MD, MPH**, Chief Information Officer, VUMC; **Cheryl Cobb, MD**, Associate Professor of Clinical Psychiatry and Behavioral Sciences, and Medical Director of Outpatient Services for Psychiatry and Behavioral Sciences; and **Charleson Bell, PhD**, Director of Biomedical Innovation, Biodesign, and I-Corps for the Wond'ry.

The winners are:

1st Place ($500 to Amazon): Team Bridger (Dennis Zhou, Daniel Kang, Ricki Calbert, and Kelli Stewart)

We sought to address the problem of patients with mental health challenges feeling unequal in the physician-patient power dynamic and the lack of follow-up between clinic visits/hospital discharges. Our solution was to create a MHAV chatbot that can engage with patients before but especially after visits. The chatbot utilizes natural language processing to interact with the patient using motivational interviewing precepts. This way, the chatbot could triage problems that patients are facing and create a symptom score history/tracker for the patient that populates directly on the EPIC dashboard for provider review. The chatbot could also alert healthcare teams of complex patients who may need additional support and/or patients with rapidly deteriorating mental health symptoms. We would like to thank the Osher Center for Integrative Health, Medical Innovators Development Program, and the Wond'ry for resources and training.

2nd Place ($250 to Amazon): Team Zany Zebrafish (Hannah Slater, Seth Smith, and Pragnya Adapa)

Team Zany Zebrafish (Pragnya Adapa, Seth Smith, Hannah Slater) pitched a mobile app that identifies people with high suicide risk using machine learning by passively collecting data from their smart devices (phones, watches, etc.), electronic health record, and optional patient-reported outcomes. Based on the risk stratification of the user, the app encourages the patient to engage in mitigative behavior such as going for a walk, notifies an external contact such as a loving family member, or notifies their healthcare provider to contact the patient. This app allows healthcare providers the ability to identify high risk patients by better understanding patient behavior outside the clinic.

3rd Place ($100 to Amazon): Team AxonBlast (Neelesh Raj, Siddharth Shah, and Tahsinul Abir)

Over 55 million people around the world are currently suffering from a neurodegenerative disease, and this number is slated to reach over 140 million by 2050. Our group developed AxonBlast, an online platform that monitors mental decline over time and provides engaging activities to ensure that the brain stays active in a patient's elderly years. Currently, the app tracks memory through quizzes that contain a mix of personalized questions about the patient's family, as well as general knowledge questions. We propose that this diagnostic quiz, combined with other future features such as flashcards, crossword puzzles, and other personalized hobbies, can be used by the patient to ensure daily mental stimulation. Working with hospitals, this app can be used by physicians to track memory scores and serve as a tool to guide medical action while allowing the patient to stay sharp.

The atmosphere of the hackathon was inspiring, and we think both the teams and mentors learned a lot through their participation! We were impressed to see the final products of the weekend's work and look forward to continued partnerships with participants across VU and VUMC.

Thank you so much to all the Mentors who helped make this event a success:

Adam Wright, PhD	Allison McCoy, PhD	Peter Shave, MBA
Tom Reese, PhD	Bryan Steitz, PhD	Jon Wanderer, MD
Donnie Sengstack	Patty Sengstack, DNP	Alvin Jeffery, PhD
Dara Mize, MD	Cheryl Cobb, MD	Zhiyu Wan, PhD
Chao Yan, PhD	Eboné Ingram, MD	Reid Finlayson, MD
Sara Horst, MD, MPH	Shelagh Mulvaney, PhD	

The VUMC Reporter wrote up the event [here](), and the article was also promoted by the [engineering department at VU]().

Member Spotlight: Shelagh Mulvaney, PhD

Dr. Shelagh Mulvaney is an Associate Professor in the School of Nursing and the Department of Biomedical Informatics. She received her PhD from the University of Arizona in clinical psychology and completed a clinical internship in pediatric psychology at the University of Vermont. Dr. Mulvaney's research focuses on three related areas: 1) the design and evaluation of patient and clinician behavior support interventions, 2) innovations in the assessment of and integration of patient psychosocial and contextual influences in research and healthcare, 3) use of patient-generated data derived from mobile applications and wearable technologies to promote health behaviors and improve patient-centered care. Her work has resulted in several efficacious self-management interventions and a novel mobile application that integrates diabetes device data (insulin/blood glucose) with behavior and context for real-time patient feedback. She has been funded by the NIH, the McKesson Foundation, and the Vanderbilt Center for Diabetes Translational Research. Dr. Mulvaney currently serves as an Associate Editor for PLOS Digital Health and the Journal of Diabetes Science and Technology.

 What I'm working on:

- I'm currently funded to pilot test a mobile and clinic-integrated intervention called the Discovery Program in the Eskind Pediatric Diabetes Clinic. The program integrates a personalized patient data report that includes patient-reported barriers to self-management, and diabetes device data to support collaborative goal setting and problem solving with nurse practitioners. Between clinic visits, patients receive tailored mobile communications such as digital stories to model behaviors and SMS to support improvement in glycemic control.
- Another project focuses on the integration of factors obtained via the MyDay mobile app such as mood, stress, social context, GPS and time of day with self-management and blood glucose values to inform improvements in health behaviors and glycemic control.

- As Co-I, I am working on a project funded by the USDA to develop a mobile app to improve diet and physical activity behaviors in underserved families. The app (called CHEW) integrates educational content, goal setting and monitoring, tailored health communications to facilitate location-based shopping decisions, and sharing achievements on social media.

VCLIC Involvement

I'm relatively new to VCLIC but greatly enjoyed the webinar series on mental health care innovations and recently participated in the mental health hackathon. We have utilized VCLIC Epic Core services for research proposals and find it to be responsive, timely, and very helpful.

Collaboration Opportunities

- We are transitioning the current diabetes patient-reported outcomes assessment system from REDCap to Epic and welcome collaboration regarding creating and optimizing automated extraction and integration of that data from Epic for patient-facing mobile communications. There are lots of opportunities for integration of a colleague or student with interests in implementation science.
- Our MyDay app has great potential for generalizing to a range of conditions. I would love to work with more Vanderbilt colleagues to obtain stakeholder input, update the features of the app and make it a general platform for integration patient-generated data for the EHR. This includes Health IT, data viz, and software development. We will be applying for new external and internal funding for this work.
- We have begun integration of machine learning algorithms to optimize and prioritize individual patient-generated data and prioritization content and timing of patient communications. Connecting with more students and/or faculty interested in data science and/or consumer health informatics would be great for this project.
- Our integration of the PHQ-9 in routine care has provided a wealth of data that is difficult to keep up with. We are seeking collaborators to help analyze data from the system and develop feasible and automated strategies to improve referral and treatment services for youth and young adults with symptoms of depression and anxiety.

Thank you to all the ISC Instructors!

VCLIC members **Dara Mize, MD**, and **Travis Osterman, DO, MS** lead the VUSM Integrated Science Course (ISC) in Clinical Informatics, an elective course for VUSM medical students who are interested in learning more about informatics! Drs. Mize and Osterman would like to thank all of the VCLIC members, DBMI faculty and HealthIT staff who participated as lecturers this year. Thank you for introducing these medical students to so many fascinating topics across our field!

Adam Wright, PhD	Allison McCoy, PhD	Ashley Spann, MD	Brent Moseng	Casey Distaso, MD	Chetan Aher, MD	Dara Mize, MD
Ellen Clayton, JD, MD	Gaye Smith	Josh Smith, PhD	Jon Wanderer, MD	Neal Patel, MD, MPH	Patty Sengstack, DNP, RN-BC	Peter Shave, MBA

Rizwan Hamid, MD, PhD	Sara Van Driest, MD, PhD	Shane Stenner, MD, MS	Sharidan Parr, MD	Travis Osterman, DO, MS	Trent Rosenbloom, MD, MPH	Yaa Kumah Crystal, MD, MPH

Funding Opportunity

Vanderbilt Center for Health Services Research - Research Grant Program Application

Apply by May 10, 2022 to receive funding for innovative research projects that seek to advance equity in health care delivery and health outcomes. Open to all faculty, trainees, and students at VUMC, VU, and MMC. For more details, visit: https://www.vumc.org/hsr/chsr-research-grants

Upcoming Conference Submission Deadlines

Epic UGM

Epic's User Group Meeting (UGM) is an annual conference where healthcare leaders gather for valuable peer-to-peer opportunities and the latest ideas from the Epic community.

Call for Presentations closes April 7th, 2022. The in-person, fully vaccinated conference at Epic's Verona, WI campus will run from Monday, August 22nd through Wednesday, August 24th.

- American Academy of Pediatrics (AAP) National Conference & Exhibition:
  - Plenary session proposals & keynote ideas: March 25, 2022

- o   Abstracts: April 22, 2022
- Anesthesiology Annual Meeting (ASA)
  - o   Scientific Abstracts: April 4, 2022
  - o   Scientific and Educational Exhibits: April 4, 2022
  - o   Medically Challenging Cases/Quality Improvement Projects: May 23, 2022
- Machine Learning for Healthcare
  - o   Papers: April 14, 2022, 5 pm ET
- Association for Computing Machinery Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB)
  - o   Papers: April 15, 2022
- Conference on Neural Information Processing Systems (NeurIPS)
  - o   Abstracts: May 16, 2022, 1 pm PDT
  - o   Full paper and co-author registration: May 19, 2022, 1 pm PDT
  - o   Supplementary materials: May 26, 2022, 1 pm PDT

Details on upcoming conferences and conference deadlines can be found on our Confluence page, here.

Publications, Presentations, Interviews, and Awards

Awards

Brent Moseng was the recipient of the Five Pillar Leader Award in February. Nominees must demonstrate consistent practices that impact success across the five pillars (People, Service, Quality, Growth & Finance, Innovation) and demonstrate consistent Credo behavior. His colleagues and other VUMC members highlighted Brent's work ethic and contributions in this video. Congratulations, Brent!

Derek Williams, MD, MPH was awarded the 2022 Society of Hospital Medicine's Excellence in Research Award, which will be presented at the SHM national meeting in April. SHM's Awards of Excellence program honors members who have made exceptional contributions to hospital medicine in various categories.

Honors
Siru Liu, PhD was selected as one of 12 biomedical PhD students and postdocs at VUMC for the ASPIRE on the Road Program to visit biotechnology companies and organizations in Boston to help make trainees well-informed career decisions.

Siru Liu, PhD was also selected for the Google Cloud Research Innovators program, which selects 30 researchers in the physical, social, and biomedical sciences to support their research on the use of cloud computing.

Siru Liu, PhD was (also!) accepted into the [American Thoracic Society (ATS) 2022 Student Scholar Program](#), an opportunity for a select group of medical students, graduate students, respiratory therapy and nursing students to attend the annual ATS International Conference. Students will benefit from a specially designed curriculum to get the most out of the ATS International Conference, and will be exposed to cutting-edge science, professional education, and focused career development.

Gretchen P. Jackson, MD, PhD is now the co-chair of the AAMI Health Information Technology Committee. The AAMI HIT Committee develops documents on the safety, effectiveness, and security of health software and health IT, and oversees all of AAMI Health IT working groups.

Presentations

Travis Osterman, DO, MS presented "Today's Patient Portal and Sharing of Patient Data Across EHR Systems for Cancer Care and Research" at the [National Academies of Sciences](#). The workshop was hosted to examine opportunities to improve patient care and outcomes through collaborations to enhance innovation in the development, implementation, and use of EHRs in oncology care, research, and surveillance.

Matthew Weinger, MD, MS will give the [Keynote Address](#), "The Long Walk: Bringing a Complex Medical Device to Market" at the International Symposium on Human Factors & Ergonomics in Healthcare. This symposium is a focused, interactive knowledge-sharing and networking event for professionals who address patient and provider safety research and practice.

Yaa Kumah-Crystal, MD, MPH gave a [virtual keynote presentation](#), "Voice in Health and Care: What Lies Ahead" for the Voice & AI Technology Forum at the 2022 ViVE conference. ViVE convenes top thought leaders who are shaping tech-enabled healthcare and addressing key issues in digital health innovation.

News Mentions

The **Clickbusters Program** was mentioned in the March 7th, 2022 Morning Update on [HIStalk](#). The Clickbusters Program is a VCLIC initiative focused on improving safety and quality and reducing burnout through the optimization of Epic. The recently published JAMIA paper, which involved many VCLIC members, was also linked in the mention.

Derek Williams, MD and **Sunil Kripalani, MD, MSC** were mentioned as research mentors in the VUMC Reporter article, ["Study to explore neurologic impact of flu treatment."](#)

Accepted Conference Abstracts

Reese TJ, Nelson SD, Barrett TW, Rector H, Shi Y, Shotwell M, **Wright A**, Edwards D. Evaluation of compensatory prescribing after opioid restricting legislation. AcademyHealth, 2022 Annual Research Meeting.

Saknite I, Patrinely J, Zhao S, Chen H, Byrne M, **Tkaczyk E**, Jagasia M. Cutaneous leukocyte-endothelial interactions predict outcomes after hematopoietic cell transplantation. 2022 Society of Investigative Dermatology Annual Meeting.

Publications

March

Elkrief A, Hennessy C, Kuderer NM, Rubinstein SM, Wulff-Burchfield E, Rosovsky RP, Vega-Luna K, Thompson MA, Panagiotou OA, Desai A, Rivera DR, Khaki AR, Tachiki L, Lynch RC, Stratton C, Elias R, Batist G, Kasi A, Shah DP, Bakouny Z, Cabal A, Clement J, Crowell J, Dixon B, Friese CR, Fry SL, Grover P, Gulati S, Gupta S, Hwang C, Khan H, Kim SJ, Klein EJ, Labaki C, McKay RR, Nizam A, Pennell NA, Puc M, Schmidt AL, Shahrokni A, Shaya JA, Su CT, Wall S, Williams N, Wise-Draper TM, Mishra S, Grivas P, French B, **Warner JL**, Wildes TM. (2022). [Geriatric risk factors for serious COVID-19 outcomes among older adults with cancer: a cohort study from the COVID-19 and Cancer Consortium](). *The Lancet Healthy Longevity*;3(3):e143-e152.

Gibson BHY, Duvernay MT, McKeithan LJ, Benvenuti TA, Warhoover TA, Martus JE, Mencio GA, Emerson BR, **Moore-Lotridge SN**, Borst AJ, Schoenecker JG. (2022). [Variable Response to Antifibrinolytics Correlates with Blood-loss and Transfusion in Posterior Spinal Fusion](). *Spine Deformity.*

Gregory JM, Slaughter JC, Duffus SH, Smith TJ, LeStourgeon LM, Jaser SS, **McCoy AB**, Luther JM, Giovannetti ER, Boeder S, Pettus JH, Moore DJ. (2022). [Erratum. COVID-19 Severity Is Tripled in the Diabetes Community: A Prospective Analysis of the Pandemic's Impact in Type 1 and Type 2 Diabetes. Diabetes Care 2021;44:526–532](). *Diabetes Care*; dc22er05c.

Kukhareva PV, Weir C, Del Fiol G, Aarons GA, Taft TY, Schlecter CR, **Reese TJ**, Curran RL, Nanjo C, Borbolla D, Staes CJ, Morgan KL, Kramer HS, Stipelman CH, Shakib JH, Flynn MC, Kawamoto K. (2022). [Evaluation in Life Cycle of Information Technology (ELICIT) framework: Supporting the innovation life cycle from business case assessment to summative evaluation.]() *Journal of Biomedical Informatics.*

McCoy AB, Russo EM, Johnson KB, Addison B, **Patel N, Wanderer JP, Mize DE,** Jackson JG**, Reese TJ**, Littlejohn S, Patterson L, French T, Preston D, Rosenbury A, Valdez C, **Nelson SD, Aher CV, Alrifai MW**, Andrews J, Cobb C, **Horst SN, Johnson DP, Knake LA**, Lewis AA, Parks L, **Parr SK**, Patel P, Patterson BL, **Smith CM**, Suszter KD, **Turer RW**, Wilcox LJ, **Wright AP, Wright A**. (2022). [Clinician collaboration to improve clinical decision support: the Clickbusters initiative](). *J Am Med Inform Assoc.*

Tang LA, **Jeffery AD**, Leech AA, Osmundson SS, Schirle L, Phillippi JC. (2022). [A comparison of methods to identify antenatal substance use within electronic health records](). *American Journal of Obstetrics & Gynecology MFM*;4(2):100535.

Zhang P, Fonnesbeck C, Schmidt DC, White J, Kleinberg S, **Mulvaney SA**. (2022). [Using Momentary Assessment and Machine Learning to Identify Barriers to Self-management in Type 1 Diabetes: Observational Study](). *JMIR Mhealth Uhealth*;10(3):e21959.

February

Carroll AR, **McCoy AB**, Modes K, Krehnbrink M, Starnes LS, Frost PA, **Johnson DP**. (2022). [Decreasing pre-procedural fasting times in hospitalized children](). *J Hosp Med*; 17: 96- 103.

Haddadin Z, Halasa N, McHenry R, Varjabedian R, Lynch TL, Chen H, Abdul Ghani MO, Schmitz JE, Sucre J, Isenberg K, Zamora I, Danko M, Blakely M, Olson J, **Jackson GP**, Lovvorn HN. (2022). [SARS-CoV-2 Testing

of Aerosols Emitted During Pediatric Minimally Invasive Surgery: A Prospective, Case-Controlled Study. T*he American Surgeon*.

Irlmeier R, **Hughey JJ**, Bastarache L, Denny JC, Chen Q. (2022). Cox regression is robust to inaccurate EHR-extracted event time: an application to EHR-based GWAS. *Bioinformatics.*

Kelly PD, **McCoy AB**, Dambrino RJ, Chambless LB, Morone PJ, Thompson RC. (2022). Outpatient Skull Base/Brain Tumor Clinic Visit No-Show Prediction. *J Neurol Surg B Skull Base*; 83(S 01): S1-S270.

Kukhareva PV, Caverly TJ, Katki HA, Cheung LC, **Reese TJ**, Del Fiol G, Hess R, Wetter DW, Zhang Y, Taft TY, Flynn MC, Kawamoto K. (2022). Inaccuracies in electronic health records smoking data and a potential approach to address resulting underestimation in determining lung cancer screening eligibility. *Journal of the American Medical Informatics Association;* ocac020.

Lavery JA, Lepisto EM, Brown S, Rizvi H, McCarthy C, LeNoue-Newton M, Yu C, Lee J, Guo X, Yu T, Rudolph J, Sweeney S, Consortium APG, Park BH, **Warner JL**, Bedard PL, Riely G, Schrag D, Panageas KS. (2022). A Scalable Quality Assurance Process for Curating Oncology Electronic Health Records: The Project GENIE Biopharma Collaborative Approach. *JCO Clinical Cancer Informatics*;(6):e2100105.

Mehl SC, Cunningham ME, Streck CJ, Pettit R, **Huang EY**, Santore MT, Tsao K, Falcone RA, Dassinger MS, Haynes JH, Russell RT, Naik-Mathuria BJ, St. Peter SD, Mooney D, Upperman J, Blakely ML, Vogel AM. (2022). Characteristics and predictors of intensive care unit admission in pediatric blunt abdominal trauma. *Pediatric Surgery International*; 38, 589–597.

Riaz IB, Islam M, Ikram W, Naqvi SAA, Maqsood H, Saleem Y, Riaz A, Ravi P, Hussain SA, **Warner JL**, Odedina F, Duma N, Singh P, Bryce AH. (2022). A quantitative synthesis of disparities in the inclusion of racial/ethnic minorities and older adults in prostate cancer clinical trials over the last three decades. *Journal of Clinical Oncology*;40(6_suppl):26-26.

Saknite I, Gill M, Alessi-Fox C, Zwerner JP, Lehman JS, Shinohara MM, Novoa RA, Chen H, Gonzalez S, Ardigo M, **Tkaczyk ER.** (2022). In Vivo Reflectance Confocal Microscopy of Cutaneous Acute Graft-Versus-Host Disease: Concordance with Histopathology and Interobserver Reproducibility of a Glossary with Representative Images. *Journal of the European Academy of Dermatology and Venereology.*

Satyanarayana G, Enriquez KT, Sun T, Klein EJ, Abidi M, Advani SM, Awosika J, Bakouny Z, Bashir B, Berg S, Bernardes M, Egan PC, Elkrief A, Feldman LE, Friese CR, Goel S, Gomez CG, Grant KL, Griffiths EA, Gulati S, Gupta S, Hwang C, Jain J, Jani C, Kaltsas A, Kasi A, Khan H, Knox N, Koshkin VS, Kwon DH, Labaki C, Lyman GH, McKay RR, McNair C, Nagaraj G, Nakasone ES, Nguyen R, Nonato TK, Olszewski AJ, Panagiotou OA, Puc M, Razavi P, Robilotti EV, Santos-Dutra M, Schmidt AL, Shah DP, Shah SA, Vieira K, Weissmann LB, Wise-Draper TM, Wu U, Wu JT, Choueiri TK, Mishra S, **Warner JL**, French B, Farmakiotis D. (2022). Coinfections in Patients With Cancer and COVID-19: A COVID-19 and Cancer Consortium (CCC19) Study. *Open Forum Infectious Diseases*, 9(3).

Shannon EM, Cauley M, Vitale M, Wines L, Chopra V, Greysen SR, Herzig SJ, **Kripalani S,** O'Leary KJ, Vasilevskis EE, Williams MV, Auerbach AD, Mueller SK, Schnipper JL. (2022). Patterns of utilization and evaluation of advanced practice providers on academic hospital medicine teams: A national survey. *J Hosp Med;* 17: 186- 191.

Smith CM, Friedman DL. (2022). [Advances in Hodgkin Lymphoma: Including the Patient's Voice](). *Front. Oncol.*

Spieker AJ, **Nelson LA**, Rothman RL, Roumie CL, **Kripalani S**, Coco J, Fabbri D, Levy P, Collins SP, Wang T, Liu D, McNaughton CD. (2022). [Feasibility and Short-Term Effects of a Multi-Component Emergency Department Blood Pressure Intervention: A Pilot Randomized Trial](). *Journal of the American Heart Association;* 11:e024339.

Suraj V, Del Vecchio Fitz C, Kleiman LB, Bhavnani SK, Jani C, Shah S, McKay RR, **Warner J**, Alterovitz G. (2022). [SMART COVID Navigator, a Clinical Decision Support Tool for COVID-19 Treatment: Design and Development Study](). *J Med Internet Res*;24(2):e29279.

Turer RW, Levy BP, Jron JD, Pageler NM, **Mize DE**, Kim E, Lehmann CU. (2022). [An Open Letter Arguing for Closure of the Practice Pathway for Clinical Informatics Medical Subspecialty Certification](). *Appl Clin Inform;* 13(01): 301-303.

Accepted or In Press

Guzauskas GF, Jiang S, Garbett S, Zhou Z, Spencer SJ, Snyder SR, Graves JA, Williams MS, Hao J, **Peterson JF**, Veenstra DL. (2022). [Cost-effectiveness of population-wide genomic screening for Lynch syndrome in the United States](). *Genetics in Medicine.* In Press.

Leppig KA, Rahm AK, Appelbaum P, Aufox S, Bland ST, Buchanan A, Christensen KD, Chung WK, Clayton EW, Crosslin D, Denny J, DeVange S, Gordon A, Green RC, Hakonarson H, Harr MH, Henrikson N, Hoell C Holm IA, Kullo IJ, Jarvik GP, Lammers PE, Larson EB, Lindor NM, Marasa M, Myers MF, Perez E, **Peterson JF**, Pratrap S, Prows CA, Ralston JD, Rasouly HM, Roden DM, Sharp RR, Singh R, Shaibi G, Smith ME, Sturm A, Thiese HA, Van Driest SL, Williams J, Williams MS, Wynn J, Blout Zawatsky CL, Wiesner GL. (2022). [The reckoning: The return of genomic results to 1444 participants across the eMERGE3 Network](). *Genetics in Medicine.* In Press.

Sigworth EA, Rubinstein SM, Chaugai S, Rivera DR, Walker PD, Chen Q, **Warner JL**. (2022). [Development of a Bayesian toxo-equivalence model between docetaxel and paclitaxel.]() *iScience.* In Press.

Reminder to Send Updates for Recognition

If you (or another VCLIC Member) publishes a paper; has an abstract accepted at a conference; are interviewed for or written up in a news article; receive any awards, accolades, or honors; or completed/are currently undertaking any projects you would like to highlight, please email me with or forward this information:

- Names of VCLIC members/VUMC staff who participated in or worked on the project, paper, or abstract (or who received the award/honor)
- The title of the Project, Paper, Abstract, Article, or Award

- The journal, conference, or news publication (this can be podcasts, radio, or more "traditional," news mediums)

Nothing is too big or too small to celebrate, and this information will be featured on the [News section of our website](#) as well. As time goes on, I am hoping to also improve our Twitter presence, so feel free to add, tag, or tweet us at [@VUMC_VCLIC](#) too!

Thank you, and see you next month!