



VCLIC News and Happenings, Volume 25

Hello and welcome to the May edition of VCLIC News! This month we are recapping the outstanding **representation VUMC had at Epic's XGM conference** and the **Vanderbilt Symposium on Implementation Research in the Learning Health System**, as well as summarizing a schedule of the presentations VCLIC members will give at the **AMIA Clinical Informatics Conference** next week.

Our featured member this month is **Gretchen Purcell Jackson, MD, PhD**, who has recently been appointed the President and Chair of the Board of Directors for AMIA as well as co-chair of the Association for the Advancement of Medical Instrumentation (AAMI)'s HealthIT Committee, in addition to several other VUMC and national-level appointments.

We have several honors, awards, news mentions, conference abstracts accepted, and publications to present this month—too many to mention up front! Congratulations to all of our very accomplished members, and best of luck to those of you who received fellowships and grants! We can't wait to learn from you.

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

XGM Recap

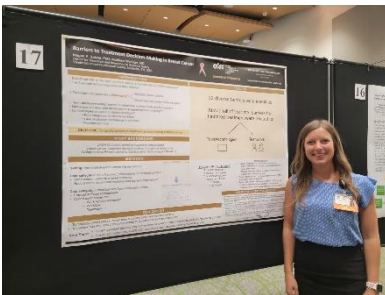
The week of May 2nd, a contingency from VUMC traveled to Verona, WI to participate in Epic's XGM (Expert Group Meeting). XGM is an annual meeting "where you and your peers explore the outer reaches of what can be achieved by humankind in the worlds of software build, training, performance, and workflow. App-based and role-focused sessions show you the mission plans. Then you take observations and deploy what you learned back at your home organization."

This year, VUMC was well-represented at XGM, presenting in 13 sessions with 28 speakers! We tied Stanford for the most sessions presented, and we had 70 folks attend total! From the photos it looks like everyone had a fabulous time!

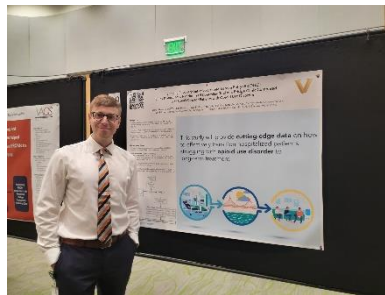


Implementation Research in the Learning Health System Recap

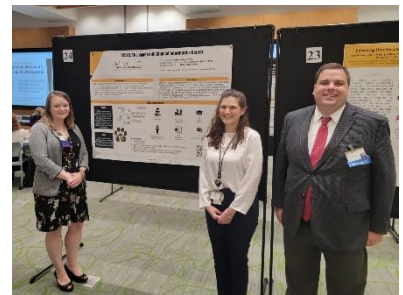
VCLIC had a strong showing at the CCQIR and CTSA/VICTR-sponsored Implementation Research in the Learning Health System Symposium on 5/16/22. **Tom Reese, PharmD, PhD**, **Megan Salwei, PhD**, and the VCLIC leadership team all presented posters. **Allison McCoy, PhD**, gave a brief talk about Clinical Informatics Core resources and co-presented on the Penicillin Allergy Delabeling project she and **Adam Wright, PhD** worked on with Cosby Stone, MD. **Adam Wright, PhD**, moderated the session and **Peter Embi, MD** was the discussant. The symposium was well-organized and a great way to learn about important initiatives occurring across VU and VUMC!



Megan Salwei, PhD



Tom Reese, PharmD, PhD



Allison McCoy, PhD; Elise Russo, MPH; Adam Wright, PhD

Member Spotlight: Gretchen Purcell Jackson, MD, PhD



Gretchen Purcell Jackson, MD, PhD, FACS, FACMI, FAMIA is President and Chair of the Board of Directors for the American Medical Informatics Association (AMIA), Vice President and Scientific Medical Officer at Intuitive Surgical, and an Associate Professor of Surgery, Pediatrics, and Biomedical Informatics at the Vanderbilt University Medical Center (VUMC). Dr. Jackson spent 12 years as an academic clinician scientist at VUMC, where she served as the Director of Graduate Studies and was a co-Principal Investigator for Vanderbilt's National Library of Medicine T15 Training Grant in Biomedical Informatics. In 2018, Dr. Jackson joined IBM Watson Health as Chief Science Officer, and in 2021, she took on the role of Chief Health and Science Officer. In her current position at Intuitive Surgical, Dr. Jackson is a healthcare technology executive focused on scientific strategy, and she still practices pediatric surgery at Vanderbilt Children's Hospital. Her research interests are evaluation of health information technologies, consumer health informatics, patient engagement, artificial intelligence, and minimally-invasive surgery.

What I'm working on

I am currently working developing scientific studies for the Digital business unit of Intuitive Surgical, a company that enables minimally invasive surgery through robotics and other technologies. The digital portfolio includes data and insights that are delivered through the robotics or endoluminal platforms, such as imaging modalities or anatomic models, and the data or insights that can be leveraged from the platforms, such as surgical videos, kinematic data, and operating room utilization data. At AMIA, I am chairing the Annual Symposium, and I launched the AI Evaluation Showcase (<https://amia.org/education-events/amia-2022-artificial-intelligence-evaluation-showcase>), a program that fosters comprehensive evaluation of AI solutions in healthcare. I am also working on diversifying the membership, both at individual and institutional levels. At VUMC, I am training in robotic surgery and will be supporting the development of the robotics program at Vanderbilt Children's Hospital.

VCLIC Involvement /Collaboration Opportunities

I would be delighted to work with any faculty, staff, or trainees who are interested in surgical or consumer health informatics. I am particularly interested in integrating robotics data with electronic health record (EHR) data to understand the long term outcomes of robotic surgery and to discover how variations in surgical technique affect clinical outcomes. During my time at VUMC as a surgeon scientist, I created a Patient and Family Engagement Consultation Service and a Patient Engagement medical student rotation, describe here in JAMIA:

<https://academic.oup.com/jamia/article/25/2/167/4004725?login=false>. These efforts live on, and I'd love to think about how VCLIC could be involved.

Upcoming VCLIC Conference Participation

We are looking forward to seeing many of our collaborators and friends next week in Houston! Please see below for a schedule of VCLIC events at the AMIA CIC!

AMIA CIC 2022 (May 24 – May 26, 2022) Schedule

May 25

11:00 AM - 12:00 PM CDT

LeGrand J, Tokunaga K. "Medication Diversification Tool."

Lo B, Kennedy R, Hall S, Beale N, **Sengstack P**, Tiase V, Strudwick G. "S08: Panel - Enabling the value of Chief Nursing Informatics Officers in realizing the impact of Digital Health Leadership on Care Delivery: Best Practices and Opportunities for Healthcare Organizations."

3:30 PM - 4:30 PM CDT

Vawdrey D, Payne T, Kelly M, **Rosenbloom ST**. "S21: Panel - Staring Hospital Progress Notes with Patients and Caregivers: Too Early or Long Overdue?"

May 26

11:00 AM - 12:00 PM CDT

McCoy AB. "Enabling Clinical Research and Innovation through a Clinical Informatics Core."

Russo E, **McCoy AB**, **Wanderer JP**, **Wright A**. "Enabling Informatics Innovators to Access Data: The VDAWGS Program."

Steitz B, Langford K, Turer RW, Salmi L, MacDonald S, Lin CT, DesRoches CM, **Rosenbloom ST**. "Patient Attitudes About Immediate Access to Test Results."

Upcoming Conference Submission Deadlines

- [Association for Computing Machinery Conference on Bioinformatics, Computational Biology, and Health Informatics \(ACM-BCB\)](#)
 - Posters: May 14, 2022
 - Papers: May 15, 2022
 - Highlights: May 20, 2022
- [Anesthesiology Annual Meeting \(ASA\)](#)
 - Medically Challenging Cases/Quality Improvement Projects: May 23, 2022
- [Conference on Neural Information Processing Systems \(NeurIPS\)](#)
 - Abstracts: May 16, 2022, 1 pm PDT
 - Full paper and co-author registration: May 19, 2022, 1 pm PDT
 - Supplementary materials: May 26, 2022, 1 pm PDT
- [Institute for Healthcare Improvement \(IHI\) Forum](#)
 - Session proposals: May 31, 2022
- [American Nursing Informatics Association \(ANIA\)](#)
 - Speaker/Podium Abstracts: July 30, 2022

Details on upcoming conferences and conference deadlines can be found on our Confluence page, [here](#).

Publications, Presentations, Interviews, and Awards

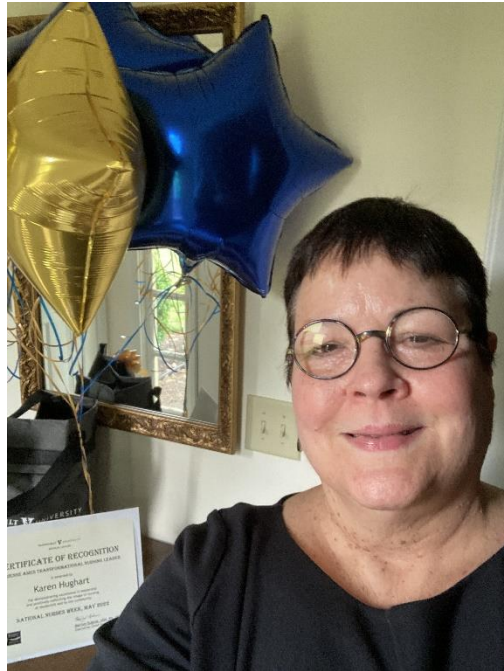
Awards

Jonathan P. Wanderer, MD, M.Phil, FASA, FAMIA, was awarded the Kevin B. Johnson Award for innovative approaches advancing clinical practice and/or biomedical research. Congratulations on the award!



Congratulations to **Karen Hughart, MSN, RN-BC**, who was named the Adrienne Ames Transformational Nursing Leader for VUMC for 2022. This award is for a full-time registered nurse currently practicing in a

nursing leadership role who exemplifies the Magnet culture by consistently demonstrating certain traits and achievements.



Honors and Grant News

Gretchen P. Jackson, MD, PhD, was appointed to a three-year term as co-chair of the Association for the Advancement of Medical Instrumentation (AAMI) HIT Committee. This committee develops documents on the safety, effectiveness, and security of health software and health IT and oversees all of AAMI'S Health IT working groups. Congratulations!

Alvin Jeffery, PhD, RN, CCRN-K, FNP-BC, joins [the Betty Irene Moore fellowship program at the UC Davis nursing school](#). He is one of [12 nurse scientists accepted to the third cohort of the Betty Irene Moore Fellowship for Nurse Leaders and Innovators](#). This fellowship program recognizes early- to mid-career nursing scholars and innovators with a high potential to accelerate leadership in nursing research, practice, education, policy, and entrepreneurship.



Jonathan P. Wanderer, MD, M.Phil, FASA, FAMIA, will be chairing the Anesthesia Research Council's 3rd Working Group, which is focused on artificial intelligence in informatics.

Scott Nelson, PharmD, MS, CPHIMS, FAMIA, has been selected as the Co-chair of the 2023 AMIA Clinical Informatics Conference.

Ashley Spann received the International Liver Transplantation Society's (ILTS) Young Investigator Award at the 2022 ILTS Annual Congress.

Sharidan Parr, MD, MSCI, MS was elected to the Fellows of the American Medical Informatics Association! See below for associated Reporter article.

Dan France, PhD, Wael Alrifai, MD, MS, and other VUMC colleagues were awarded an AHRQ R01:

Dan France, PhD, MPH and Ayse Gurses, PhD (Johns Hopkins) will serve as co-PIs on a new 4-year AHRQ R01, *Realtime Measurement of Situational Workload in NICU Nurse to Improve Workload Management and Patient Safety*.

The Vanderbilt team includes Wael Alrifai, MD, MS (Pediatrics, DBMI) Jason Slagle, PhD (CRISS), Brenda Kulhanek, PhD (School of Nursing, Nursing Informatics), Eva Dye, DNP (NICU), and Carrie Reale, RN-BC, MSN (CRISS)

Presentations

Jonathan P. Wanderer, MD, M.Phil, FASA, FAMIA presented “Better Living Through Data: Perioperative informatics for Patient Care, Research and Education in April in New York, New York for NYC Health and Hospitals.

Yaa Kumah-Crystal, MD, MPH, MS, will be giving a virtual presentation about Voice and Health at the Vitalis Conference. The conference will run from May 17-19, 2022, and is the largest eHealth event in Scandanavia, yearly attracting attendees who share the aim of building their knowledge and improving tomorrow’s health care.

News Mentions

Eric Tkaczyk, MD, PhD is pictured and mentioned in the VUMC Reporter article, “VUMC a national leader in physician-scientist training” for his research focuses in developing biophotonic optical imaging approaches, artificial intelligence algorithms, and other technologies to improve the diagnosis and treatment of skin diseases.

Sharidan Parr, MD, MSCI, MS, was featured for being inducted into the 2022 Class of Fellows of the American Medical Informatics Association (FAMIA) in the VUMC Reporter article, “[Matheny, Parr elected to class of AMIA fellows.](#)”

Allison McCoy, PhD and **Adam Wright, PhD**’s Clickbusters Program was written up by Nordic: “[Clickbusters” can bust more than clicks](#)

A study by **Trent Rosenbloom, MD, MPH**, and coauthors ([State-by-State Variability in Adolescent Privacy Laws](#)) was mentioned in several news outlets, both internal and external:

- [Experts seek uniform patient confidentiality policies for adolescents](#)
- [State Laws on Teen Privacy Do Not Reflect Pediatric Standards of Care](#)

Trent Rosenbloom, MD, MPH and **Bryan Steitz, PhD** are also guest editors of the *Applied Clinical Informatics* Special Issue: “Adolescent Privacy and the Electronic Health Record.” Please visit [here](#) for more information.

A paper ([Integration of Face-to-Face Screening with Real-time Machine Learning to Predict Risk of Suicide Among Adults](#)) by **Colin Walsh, MD, MA**, and colleagues, including **Allison McCoy, PhD**, was featured in the Reporter: [Suicide prediction method combines AI and face-to-face screening](#)

Accepted Conference Abstracts

Liu S, Schlesinger JJ, Reese TJ, McCoy AB, Douthit BJ, Wright A. Utilizing a User-centered Approach to Develop Explainable Machine Learning-based CDS tool to Predict New Onset of Delirium. AMIA 2022 Clinical Informatics Conference, May 24-26, 2022, Houston, TX, USA.

Publications

May

Hsi R, Koyama T, **McCoy A.** (2022). [PD50-04 ELECTRONIC HEALTH RECORD-BASED RISK STRATIFICATION FOR RECURRENCE OF KIDNEY STONES: A FEASIBILITY IMPLEMENTATION](#). *Journal of Urology*; 207(Supplement 5):e836.

Mistry EA, Hart K, Davis T, Yeatts S, Lindsell CJ, Lewis RJ, Albers G, **Wanderer JP**, Prestigiacomo C, Bernard GR, Khatri P. (2022). [Design of the BEST -II Randomized Clinical Trial](#). *Stroke: Vascular and Interventional Neurology*; 2(3):e000249.

Rubinstein SM, Bhutani D, Lynch RC, Hsu CY, Shyr Y, Advani S, Mesa RA, Mishra S, Mundt DP, Shah DP, Sica RA, Stockerl-Goldstein KE, Stratton C, Weiss M, Beeghly-Fadiel A, Accordino M, Assouline SE, Awosika J, Bakouny Z, Bashir B, Berg S, Bilen MA, Castellano CA, Cogan JC, Kc D, Friese CR, Gupta S, Hausrath D, Hwang C, Johnson NA, Joshi M, Kasi A, Klein EJ, Koshkin VS, Kuderer NM, Kwon DH, Labaki C, Latif T, Lau E, Li X, Lyman GH, McKay RR, Nagaraj G, Nizam A, Nonato TK, Olszewski AJ, Polimera HV, Portuguese AJ, Puc MM, Razavi P, Rosovski R, Schmidt A, Shah SA, Shastri A, Su C, Torca P, Wise-Draper TM, Zubiri L, **Warner JL**, Thompson MA. (2022). [Patients Recently Treated for B-lymphoid Malignancies Show Increased Risk of Severe COVID-19](#). *Blood Cancer Discov*; 3(3):181-193.

Sharko M, Jameson R, Ancker JS, Krams L, Webber EC, **Rosenbloom ST.** (2022). [State-by-State Variability in Adolescent Privacy Laws](#). *Pediatrics*; e2021053458.

Walsh C, Ripperger M, Wilimitis D, Ahmed R, Kang J, Ruderfer D, Morley T, Bejan C. (2022). [Ascertaining and Phenotyping Suicidality at Scale Using Electronic Health Records](#). *Biological Psychiatry*; 91(9): S30-S31.

Wilimitis D, Turer RW, Ripperger M, **McCoy AB**, Sperry SH, Fielstein EM, Kurz T, **Walsh CG.** [Integration of Face-to-Face Screening With Real-time Machine Learning to Predict Risk of Suicide Among Adults](#). *JAMA Network Open* 2022;5(5):e2212095-e95

April

Dilbone ES, **Moore-Lotridge SN**, Gabbard M, Schultz JD, Rees AB, Martin JR, Polowski GG. (2022). [Location of Initial Closed Reduction Attempt Significantly Increases Cost and Length of Stay in Total Hip Arthroplasty](#). *Arthroplasty Today*; 15:102-107

Lomardo S, Smith MC, Semler MW, Wang L, Dear ML, Lindsell C, **Freundlich RE**, Guillaumondegui OD, Self WH, Rice TW. (2022). [Balanced crystalloid vs saline in adults with traumatic brain injury: secondary analysis of a clinical trial](#). *Journal of Neurotrauma*.

Nelson LA, Pennings JS, Sommer EC, Popescu F, Barkin SL. (2022). [A 3-Item Measure of Digital Health Care Literacy: Development and Validation Study](#). *JMIR Form Res*; 6(4):e36043.

Qian ET, Gatto CL, Amusina O, Dear ML, Hiser W, Buie R, **Kripalani S**, Harrell FE, Jr, **Freundlich RE**, Gao Y, Gong W, Hennessy C, Grooms J, Mattingly M, Bellam SK, Burke J, Zakaria A, Vasilevskis EE, Billings FT, IV, Pulley JM, Bernard GR, Lindsell CJ, Rice TW, Investigators VLHSP. (2022). [Assessment of Awake Prone Positioning in Hospitalized Adults With COVID-19: A Nonrandomized Controlled Trial](#). *JAMA Internal Medicine*.

Salwei ME, Hoonakker P, Carayon P, Wiegmann D, Pulia M, Patterson BW. [Usability of a Human Factors-based Clinical Decision Support in the Emergency Department: Lessons Learned for Design and Implementation](#). *Human Factors*.

Sulieman L, **Cronin RM**, Carroll RJ, Natarajan K, Marginean K, Mapes B, Roden D, Harris P, Ramirez A. (2022). [Comparing medical history data derived from electronic health records and survey answers in the All of Us Research Program](#). *Journal of the American Medical Informatics Association*.

Tadepalli V, Schultz JD, Rees AB, Wollenman LC, Louer CR, Lempert NL, **Moore-Lotridge SN**, Schoenecker JG. (1990). [Nonaccidental Trauma in Pediatric Elbow Fractures: When You Should Be Worried](#). *Journal of Pediatric Orthopaedics*; 10.1097/BPO.0000000000002145.

Wiley K, Findley L, Goldrich M, Rakhra-Burris TK, Stevens A, Williams P, Bult CJ, Chisholm R, Deverka P, Ginsburg GS, Green ED, Jarvik G, Mensah GA, Ramos E, Relling MV, Roden DM, Rowley R, Alterovitz G, Aronson S, Bastarache L, Cimino JJ, Crowgey EL, Del Fiol G, Freimuth RR, Hoffman MA, Jeff J, **Johnson K**, Kawamoto K, Madhavan S, Mendonca EA, Ohno-Machado L, Pratap S, Taylor CO, Ritchie MD, Walton N, Weng C, Zayas-Cabán T, Manolio TA, Williams MS. (2022). [A research agenda to support the development and implementation of genomics-based clinical informatics tools and resources](#). *Journal of the American Medical Informatics Association*.

Zeng C, Bastarache LA, Tao R, Venner E, Hebring S, Andujar JD, Bland ST, Crosslin DR, Pratap S, Cooley A, Pacheco JA, Christensen KD, Perez E, Zawatsky CLB, Witkowski L, Zouk H, Weng C, Leppig KA, Sleiman PMA, Hakonarson H, Williams MS, Luo Y, Jarvik GP, Green RC, Chung WK, Gharavi AG, Lennon NJ, Rehm HL, Gibbs RA, **Peterson JF**, Roden DM, Wiesner GL, Denny JC. (2022). [Association of Pathogenic Variants in Hereditary Cancer Genes With Multiple Diseases](#). *JAMA Oncology*.

Accepted or In Press

Riaz IB, Islam M, Khan AM, Naqvi SAA, Siddiqi R, Khakwani KZR, Asghar N, Ikram W, Hussain SA, Singh P, **Warner JL**, Sonpavde GP, Odedina FT, Kehl KL, Duma N, Bryce AH. (2022). [Disparities in Representation of Women, Older Adults and Racial/Ethnic Minorities in Immune Checkpoint Inhibitor Trials](#). *The American Journal of Medicine*.

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!