



## VCLIC News and Happenings, Volume 38

Welcome to VCLIC's August newsletter! We hope you all had a great summer, and we're looking forward to sharing the events we have planned for the 2023-2024 academic year with you.

To start, we are most excited about our second-annual **InformaticCon**, which will take place on September 27<sup>th</sup>, 2023 at, and in collaboration with, the Vanderbilt University School of Nursing. Please see below for more details and to sign up to attend. We hope to see you there!

Several VCLIC Members and VUMC folks are currently at **Epic's User Group Meeting (UGM)** at their headquarters in Verona, WI, and we will have some updates for you on how that went very soon!

We have planned a few other events for this Fall, including a new release of **VCLIPS**, a new event that we're calling **Clinical Informatics Office Hours**, and some more traditional **workshops** and **speakers**. More details to follow soon about all of these offerings!

For our feature this month, we would like to highlight and congratulate our new **MSACI students** as they start their classes this fall! This program adds so much to our department and medical center, and we hope to work with and support these students as they move through their classes.

This newsletter also lists many VCLIC members who had work accepted to the **AMIA 2023 Annual Symposium!** We can't wait to see all the great presentations at the conference in November and will have more details on this event as it draws closer.

Finally, and per usual, we have several Center members who have **received awards**, been mentioned in the **news**, presented **lectures** and at conferences, **published papers**, have had **abstracts** accepted to conferences, and had **honors or fellowships** bestowed on them.

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

Coming up on September 27<sup>th</sup>: InformatiCon 2023!

DATE: 9/27/23  
TIME: 10:00 AM - 1:00 PM  
LOCATION: VUSN  
ROOM TBD

JOIN US FOR VCLIC'S  
2ND ANNUAL INFORMATICON,  
THIS YEAR IN PARTNERSHIP WITH VUSN!

THIS SPECIAL, THREE-HOUR EVENT WILL INCLUDE LUNCH, A  
SAMPLING OF SHORT, DYNAMIC TALKS, A PANEL, AND A POSTER  
SESSION TO SHOWCASE CLINICAL INFORMATICS WORK GOING ON  
ACROSS VUMC!

SIGN UP:  
EVENTS.VCLIC.ORG

VCLIC  
VANDERBILT CLINICAL INFORMATICS CENTER  
VANDERBILT  
School of Nursing

INFORMATI CON23  
VCLIC

Please join us for VCLIC's second annual InformatiCon, this year presented in partnership with VUSN. This special, three-hour event will include lunch, a sampling of short, dynamic talks, a panel, and a poster session to showcase clinical informatics work going on across VUMC! It will take place on Wednesday, September 27th, 2023, from 10:00 am to 1:00 pm at the Vanderbilt School of Nursing (more details regarding location will be sent soon).

***We are in the process of arranging for both physician and ANCC (nursing) CME for this event but are currently not able to advertise it as offering these—we hope to confirm this in the next few weeks!***

Event Schedule:

10:00-11:00 am Poster Session

11:00-11:45 am Panel on how to get involved in Clinical Informatics at Vanderbilt

11:45 am-12:00 pm lunch

12:00-1:00 pm Lightning Talks

Please indicate your interest in attending via the form below—we will be serving lunch, so we'd like to get an accurate head count. Additional details about timing and content will be shared then/as the event gets closer.

<https://redcap.link/InformatiCon2023signup>

We hope everyone who had an idea for a presentation submitted them to us, but if you have any last minute ideas, please reach out to me (Elise: [elise.russo@vumc.org](mailto:elise.russo@vumc.org)). We are finalizing the poster and speaker list and will send out those notifications shortly (and finalize a program).

All VUMC and VU faculty, staff, trainees, and students are welcome to participate and attend, and we hope to see you there on September 27th to kick off our academic year!

## Welcome new MSACI Students!

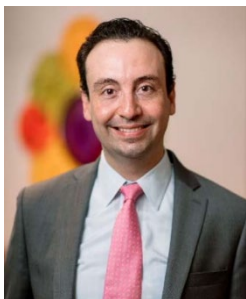
Please see below for a quick introduction to our newly enrolled MS-ACI Students! We are so happy to feature them in our newsletter this month, and warmly welcome them to VCLIC, DBMI, and Vanderbilt!

### **Derek Baughman, MD**



Dr. Baughman serves active duty with the USAF as the medical director of primary care at Barksdale Air Force Base in Bossier City, LA and helps lead a pilot program at WellSpan Health, providing part-time telemedicine and asynchronous care. During the MSACI program, Dr. Baughman looks forward to exploring billing model development that dynamically represents the comprehensiveness of value-based care, improving national data integrity/interoperability, and AI solutions in primary care.

### **Ali Duarte-Garcia, MD, MSc**



Dr. Duarte-Garcia is a rheumatologist at the Mayo Clinic in Rochester, Minnesota, with research focus on health services and epidemiologic research, and is actively involved in streamlining clinical workflows for patients with complex and serious illnesses, ensuring efficient and effective care delivery. In informatics, Dr. Duarte-Garcia is interested in optimizing and implementing electronic phenotyping techniques for systemic autoimmune diseases, enabling accurate diagnostics and personalized treatment strategies.

### **Jacob Franklin, MD**



Dr. Franklin is a psychiatrist based in Ann Arbor, Michigan, and having spent the last four years at the University of Michigan growing as a clinician and budding informatician, Dr. Franklin plan to spend time at DBMI developing as both an analyst and a leader. The disconnect between what is possible with tech and data at both a population and individual level and what actually happens in the clinic, especially in psychiatry, serves as a motivation to assist in advancing personalized precision medicine and community health.

### **Scott Gregory, MD, MBA**



Dr. Gregory, from Salina, Kansas, is currently a staff pathologist at a private laboratory and teaches medical student classes as well. Through MSACI's program, Dr. Gregory hopes to improve patient outcomes and reduce costs in both his private laboratory and the multitude of local hospitals that he is affiliated with. Dr. Gregory would like to work with the local medical school campus (University of Kansas School of Medicine – Salina) to incorporate public health, preventive medicine, and informatics training and spearhead the creation of a preventive medicine residency program.

### **Jeremy Hutchinson, PharmD**



Dr. Hutchinson is currently the pharmacist in charge of infusion services for Pacific Medical Center, located in Seattle, Washington and enjoys pharmacy workflow improvements to decrease pharmacy to floor wait times and increase safety. Dr. Hutchinson's expertise is focused on the pharmacy side of operations and optimization of order entry for pharmacists and physicians, and through the MSACI program, Dr. Hutchinson is looking to expand knowledge in all aspects of clinical informatics and pursue an analyst position in the future.

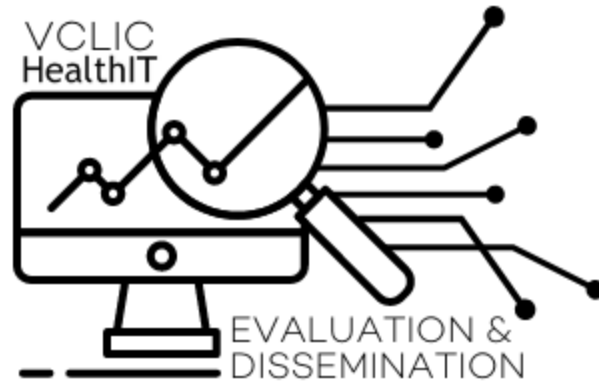
### **Layth M Qassem, PharmD**



Dr. Qassem is a PharmD graduate, with a goal to intricately understand the nuances of clinical settings and machine learning, and to innovate in a way that ultimately results in better patient outcomes. Through Vanderbilt's environment, Dr. Qassem is excited to expand knowledge, delve deeper into interests, and has already started working on a research project with a faculty member, focusing on Antimicrobial Resistance (AMR). This work is promising as it can potentially speed up the process of determining the best treatment strategy for a patient, leading to better patient outcomes and helping in the fight against AMR.

## **VCLIC + HealthIT Evaluation and Dissemination Program**

We are still piloting the VCLIC + HealthIT Evaluation and Dissemination Program, run by **Allison McCoy, PhD**, VCLIC Senior Project Manager **Laura Zahn, MS** and VCLIC Director **Adam Wright, PhD**.



Evaluation and dissemination are key parts of the clinical informatics life cycle, and critical to understanding the usability and effectiveness of a tool, identifying potential areas for improvement, and sharing the work with others so the benefits can spread. The VCLIC + HealthIT Evaluation and Dissemination Program aims to provide support to researchers and developers across these project stages. This includes projects that are already built and in progress that we can pair with informatics or other VCLIC members to complete the evaluation, either by providing data or help with analyses. We can also help with abstract and manuscript writing to facilitate publication and sharing at conferences.

Do you have a new project idea or one already in progress you'd like assistance with? We want to help! Please use this [interest survey](#) to let us know!

### Upcoming Conference Submission Deadlines

- [Society for Industrial and Applied Mathematics \(SIAM\) Annual Meeting](#)
  - TBD: Details Provided September 2023
- [Association for Computing Machinery CHI](#)
  - Poster/Abstract Submission Deadline: September 7, 2023
- [International Conference on Learning Representations \(ICLR\)](#)
  - Abstract Submission Deadline: September 21, 2023
- [Institute for Healthcare Improvement \(IHI\) Forum](#)
  - Poster Deadline: November 1, 2023
- [Symposium on Artificial Intelligence for Learning Health Systems \(SAIL\)](#)
  - Abstract Submission Deadline: Late January, 2024

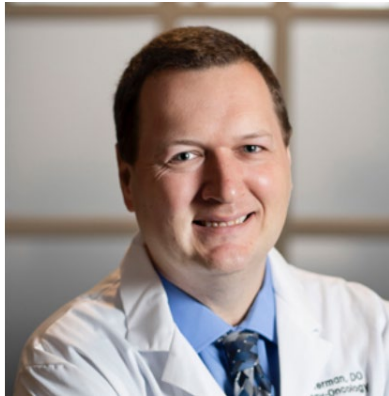
Details on upcoming conferences and conference deadlines can be found on our Confluence page, [here](#).

**For those of you attending conferences and presenting posters, we have a template on our [Confluence page](#) that we would encourage you to use.**



## Presentations, Interviews, Honors, and Awards

### Honors/Awards



Travis Osterman, DO, MS



Jonathan Wanderer, MD, MPhil

- Congrats to **Travis Osterman, DO, MS**, and **Jonathan Wanderer, MD, MPhil**, for being named Associate Chief Medical Information Officers in HealthIT at Vanderbilt University Medical Center! As part of their new duties, Osterman and Wanderer will provide mentoring and guidance to HealthIT clinical directors in their operational IT efforts.
- **Michael Ward, MD, PhD, MBA** is MPI on a \$3 million implementation science R18 grant recently awarded by AHRQ. CCQIR co-investigators include **Adam Wright, PhD, Asli Weitkamp, PhD**, Stephen Gradwohl, MD, and **Shilo Anders, PhD**.
  - The project is titled "Development of SMART on FHIR interoperable clinical decision support for emergency department patients with pneumonia and pilot deployment into novel Epic electronic health record environments." Congratulations!
- Congratulations to **Siru Liu, PhD** for officially joining as Assistant Professor in DBMI on August 1!
- **Josh Peterson, MD, MPH, FACMI** discussed the cost-effectiveness of genomic screening on the podcast "Annals On Call". [Listen here!](#)
- Watch the recording of the **On the Horizon Town Hall on Generative AI** that included VCLIC members **Adam Wright, PhD**, and **Yaa Kumah-Crystal, MD, MPH, MS**, from July 26<sup>th</sup>, 2023, here: <https://www.youtube.com/watch?v=jWgYA9iBf3s>
- **Megan Salwei, PhD**, attended the [NIH mHealth Training Institute](#) in Los Angeles recently.
  - She also attended the [2023 Organizational Design and Management Conference](#) in Bordeaux, France, to discuss human factors and ergonomics research.
- **Jessica Ancker, MPH, PhD, FACMI** was given tenure. Congratulations!
- **Tom Reese, PharmD, PhD** and **Jessica Ancker, MPH, PhD, FACMI** were given a **\$2.7 million grant** from AHRQ to evaluate a shared decision-making app at Utah, Colorado and Vanderbilt.
- **Ashley Spann, MD, MSACI** joined DBMI as Assistant Professor on July 1 and was also named a finalist for the **AASLD Harold Amos Medical Faculty Development Program Fellowship Award** with \$420,000 over four years!

- **Dara Mize, MD, Travis Osterman, DO, MS, FAMIA, FASCO, Yaa Kumah-Crystal, MD, MPH, MS** and **Ashley Spann, MD, MSACI** are among the [12 VUMC faculty who are currently serving two-year terms on 55 specialty steering boards constituted by Epic Systems.](#)
- Featured in the VUMC Reporter, **Siru Liu, PhD** and **Adam Wright, PhD**, along with co-authors **Allison McCoy, PhD, Elise Russo, MPH, PMP, Tom Reese, PharmD, PhD**, and Melinda Aldrich, developed a [computer algorithm that scans EHRs to identify patients who meet criteria for lung cancer screening.](#)

## Conferences and Other Presentations

- **Slater H, Yin Z, Walsh CG.** “Characterization of Adult Patients with Autism Spectrum Disorder that use Patient Portal.” Student Paper, AMIA Annual Symposium. 2023.
- **Baumli J, Johnstone L, Frederick-Dyer K, Gorman L.** “Imaging Exam Protocol Tools: Adapting the EHR to the Radiology Workflow.” Poster Presentation, AMIA Annual Symposium. 2023.
- **Russo EM, McCoy AB, Zahn L, Wright A.** “Engaging Clinical Informatics Audiences at an Academic Medical Center.” Poster Presentation, AMIA Annual Symposium. 2023.
- **McCoy AB, Russo EM, Sengstack DG, Wright A.** “Enabling Clinical Research and Innovation through a Clinical Informatics Core: Lessons Learned One Year Later.” Poster Presentation, AMIA Annual Symposium. 2023.
- **Reese TJ, Domenico H, Hernandez A, Byrne DW, Russo EM, Douthit BJ, Williams J, Moore S, McCoy AB, Wright A.** “Implementable Prediction for Hospital-Acquired Pressure Injuries.” Poster Presentation, AMIA Annual Symposium. 2023.
- **Reese TJ, dela Cruz A, Distaso C, Melnick ER, Wright A.** “Clinical Decision Support for Treating Opioid Use Disorder with Buprenorphine: Challenges and Opportunities.” Panel Presentation, AMIA Annual Symposium. 2023.
- **Johnson KB, Castillo S, Ancker JS.** “Communicating Your Science to the Lay Public: A 3-Hour Instructional Workshop.” Workshop, AMIA Annual Symposium. 2023.
- **Ancker JS, Unertl K, Veinot T.** “Publishing Your Qualitative Research in Health Informatics: An Instructional Workshop.” Workshop, AMIA Annual Symposium. 2023.
- **Ancker JS, Were M, Lehmann CU, Goodman KW, Jeffery AD.** “Blue State, Red State: The Effects of U.S. Political Polarization on Informatics Workforce, Research, and Training.” Panel Presentation, AMIA Annual Symposium. 2023.
- **Suresh U, Zikmund-Fisher B, Ancker JS, Benda NC.** “Designing Support to help Health Communication Professionals Convey Numbers Clearly to the Public – A Needs Assessment and Formative Usability Evaluation.” Accepted paper, AMIA Annual Symposium. 2023.
- **Unertl KM, Gadd CS, Jenkins J, Malin B, Matheney M, McCoy AB, Tang LA, Walsh C, Wei W, Ancker JS.** “GRExit in Biomedical Informatics: One Program’s Experience with Moving Away from Use of the GRE in Graduate Admissions.” Podium abstract, AMIA Annual Symposium. 2023.
- **Wang CP, Mkuu R, Andreadis K, Muellers KA, Ancker JS, Horowitz C, Kaushal R, Lin JJ.** “Examining and Addressing Telemedicine Disparities Through the Lens of the Social Determinants of Health: A Qualitative Study of Patient and Provider During the COVID-19 Pandemic.” Accepted paper, AMIA Annual Symposium. 2023.
- **Kumah-Crystal Y.** “Leveraging Generative AI in Biomedical Informatics.” Workshop, AMIA Annual Symposium. 2023.

- **Wright, A & Kumah-Crystal Y.** “Should Generative Artificial Intelligence Be Used for Patient Care?” Panel Presentation, AMIA Annual Symposium. 2023.
- **Kumah-Crystal Y, Embi P, Lehmann C.** “ChatGPT and the Clinical Informatics Board Examination: The End of Knowledge-based Medical Testing?” Poster Presentation, AMIA Annual Symposium. 2023.
- **Reese TJ, Padi-Adjirackor NA, Griffith K, Steitz BD, Ancker JS, Wright A.** “Comparative Effectiveness of Telemedicine versus In-Person Buprenorphine Prescribing.” Poster presentation, AMIA Annual Symposium. 2023.
- **Steitz BD, Wright A.** “Comparing Generic and In-Domain Large Language Model Vocabulary Coverage on Clinical Text.” Poster presentation, AMIA Annual Symposium. 2023.
- **Steitz BD, Dutta N, Wright A, Russo EM, Fabbri D.** “Evaluating Accuracy of Oxygen Documentation in Electronic Health Records.” Poster presentation, AMIA Annual Symposium. 2023.
- **Guo K, Reese TJ, Rosenbloom ST, Steitz BD.** “Disparities in Test Result Viewership in the Age of Open Results.” Poster presentation, AMIA Annual Symposium. 2023.
- **Guo K, McCoy AB, Reese TJ, Wright A, Rosenbloom ST, Liu S, Russo EM, Steitz BD.** “POINT: Pipeline for Offline Conversation and Integration of Geocodes and Neighborhood Datasets” Accepted Abstract, AMIA Annual Symposium. 2023.
- **Turer RW, McDonald S, Dutta S, Rose C, Frisch A, Feterick K, Norquist C, Baker C, Nielson J, Cha D, Kwan B, Dameff C, Killeen J, Medlin R, Boyd C, Hall M, Doering R, Rosenbloom ST, Distaso C, Steitz BD.** “Trends in Real Time Patient Portal Use Among Emergency Department Patients.” Abstract accepted, AMIA Annual Symposium. 2023.
- **Benda N, Turchioe MR, Salwei, ME, Desai P, Novak LL.** “The machine learned what about me? – Perspectives on patient-facing machine learning algorithms.” Panel presentation, AMIA Annual Symposium. 2023.
- **Douthit B, Jeffery AD, Reese TJ, Matheny M.** “Successful Transitions to Stable Housing for Veterans Experiencing Homelessness: Does Spending Translate to Better Outcomes?” Poster Presentation, AMIA Annual Symposium. 2023.
- **Evans PT, Nelson SD, Aher CV, Wright A.** “EHR-Based Dashboard for Optimization of Surgical Resident Workflows.” Accepted Abstract, AMIA Annual Symposium. 2023.
- **Liu S, Wright AP, Patterson BL, Wanderer JP, Turer RW, Nelson SD, McCoy AB, Sittig DF, Wright A.** “Using AI-generated Suggestions from ChatGPT to Optimize Clinical Decision Support.” Presentation, AMIA Annual Symposium. 2023.
- **Ancker JS, Were M, Lehmann CU, Goodman KW, Jeffery AD.** “Blue State, Red State: The Effects of US Political Polarization on Informatics Workforce, Research, and Training.” Panel Presentation, AMIA Annual Symposium. 2023.
- **Jeffery AD, Reale C, Faiman J, Borkowski V, Beebe R, Matheny ME, Anders S.** “Risk Information Visualization: Nurses’ Preference and Performance.” Poster presentation, AMIA Annual Symposium. 2023.
- **Hartzell C, Winstead R, Atchison K, Krokosky K, Mueller A, Hall E, Wanderer J, Andrew J.** “ ‘Are my blood products coming?’ A Novel Blood Tracker in Our Electronic Medical Record.” Oral Presentation, AABB (Association for the Advancement of Blood and Biotherapies). October 2023.
- **Tay C, Brown M, Andrews J.** “Defining the Utility and Frequency of Repeat Antibody Identification Panels in Previously Alloimmunized Patients.” Oral presentation, AABB. October 2023.



- Pogue E, Mueller A, Laghar S, Leaver A, **Andrews J**, Sharma D. "Diagnosis of Oh (Bombay) Phenotype in a Pregnant Patient." Poster presentation, AABB. October 2023.
- Atchison K, **Winstead R**, Agree W, Brancamp R, Tay C, Maurice K, Woods M, **Andrews J**. "Blood product order entry revisions: A quality improvement project." Poster presentation, Society for the Advancement of Patient Blood Management (SABM), October 2023.

## Publications

Wang C, **Liu S**, Yang H, Guo J, Wu Y, Liu J. [Ethical Considerations of Using ChatGPT in Health Care](#). *J Med Internet Res*. 2023;25:e48009. doi:[10.2196/48009](#)

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Vijayakumar A, Abdel-Rasoul M, Hekmat R, Merritt RE, D'Souza DM, **Jackson GP**, Kneuert P. [National Learning Curves Amongst Robotic Thoracic Surgeons in the US: Quantifying the Impact of Procedural Experience on Efficiency and Productivity Gains](#). *J Thorac Cardiovasc Surg*. Published online August 8, 2023:S0022-5223(23)00662-1. doi:[10.1016/j.jtcvs.2023.07.051](#)

**Moore-Lotridge SN**, Hajdu KS, Hou BQ, Gibson BHY, Schoenecker JG. [Maintaining the Balance: The Critical Role of Plasmin Activity in Orthopaedic Surgery Injury Response](#). *J Thromb Haemost*. Published online August 7, 2023:S1538-7836(23)00594-9. doi:[10.1016/j.jtha.2023.08.002](#)

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Landes P, Chaise A, Patel K, **Huang S**, Di Eugenio B. [Hospital Discharge Summarization Data Provenance](#). In *The 22nd Workshop on Biomedical Natural Language Processing and BioNLP Shared Tasks*, pages 439–448, Toronto, Canada. Association for Computational Linguistics. Published online July, 2023.

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Sabbaghi H, **Madani S**, Ahmadi H, et al. [A health terminological system for inherited retinal diseases: Content coverage evaluation and a proposed classification](#). *PLoS One*. 2023;18(8):e0281858. doi:[10.1371/journal.pone.0281858](#)

**McCoy AB, Russo EM, Wright A**. [Clickbusters letter response](#). *J Am Med Inform Assoc*. Published online August 3, 2023:ocad150. doi:[10.1093/jamia/ocad150](#)

Kennecke HF, Auer R, Cho M, Dasari NA, Davies-Venn C, Eng C, Dorth J, Garcia-Aguilar J, George M, Goodman KA, Kreppel L, Meyer JE, Monzon J, Saltz L, Schrag D, **Smith JJ**, Zell JA, Das P. [NCI Rectal-Anal Task Force Consensus Recommendations for Design of Clinical Trials in Rectal Cancer](#). *J Natl Cancer Inst*. Published online August 3, 2023:djad143. doi:[10.1093/jnci/djad143](#)

**Steitz BD, McCoy AB, Reese TJ, Liu S**, Weavind L, Shipley K, **Russo E, Wright A**. [Development and Validation of a Machine Learning Algorithm Using Clinical Pages to Predict Imminent Clinical Deterioration](#). *J Gen Intern Med*. Published online August 1, 2023. doi:[10.1007/s11606-023-08349-3](#)

Centor RM, Guzauskas GF, **Peterson JF**. [Annals On Call - When Might Genomic Screening Be Cost-Effective?](#) *Ann Intern Med*. 2023;176(8):eA220015. doi:[10.7326/A22-0015](#)

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Xu K, Li T, **Khan MS**, Gao R, et al. [Body composition assessment with limited field-of-view computed tomography: A semantic image extension perspective](#). *Med Image Anal*. August 2023;88:102852.

Schnipper JL, Nieva HR, Yoon C, Mallouk M, Mixon AS, Rennke S, Chu ES, Mueller SK, G. Smith R, Williams MV, Wetterneck TB, Stein J, Dalal AK, Labonville S, Sridharan A, Stollendorf DP, Orav EJ, Gresham M, Goldstein J, Platt S, Nyenpan, Howell E, **Kripalani**, S MARQUIS2 Site Leaders for the MARQUIS2 Study

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Malow BA, Mazurek M, Stobbe G, Agrawal MM, Loftin R, Caudel D, Hess A, Westphal A, **Smith J**, Shouse J, Cheak-Zamora N, Sohl K. [ECHO autism adult healthcare: Training community clinicians to provide quality care for autistic adults](#). *Autism Res*. Published online July 31, 2023.

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**Ancker JS**, Benda NC, Zikmund-Fisher BJ. [Do you want to promote recall, perceptions, or behavior? The best data visualization depends on the communication goal](#). *J Am Med Inform Assoc*. Published online July 19, 2023:ocad137.

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Yan YW, **Qian ES**, Woodard LE, Bejoy J. [Neural lineage differentiation of human pluripotent stem cells: Advances in disease modeling](#). *World J Stem Cells*. 2023;15(6):530-547. doi:[10.4252/wjsc.v15.i6.530](#)

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## 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 soon!**