



**9th Annual Brody Medical Education Day
Tuesday April 4th, 2023
East Carolina Heart Institute at ECU**

Brody Medical Education Day celebrates Scholarship and Innovation in medical and health professions education and offers an excellent opportunity to join a growing community of educators, leaders, scholars, and learners to promote exciting changes in medical education. Poster and podium presentations will provide the opportunity to learn more about ongoing educational activities at the Brody School of Medicine and ECU's Health Sciences Campus.

Registration

Advanced registration is required. Registration will close at noon the day before the program on Monday, April 3rd, 2023. Registration is online only at <https://www.easternahec.net/courses-and-events/69957> and requires a current MyAHEC account. If you do not have a MyAHEC account, you will need to create one at <https://www.easternahec.net/create-account>. There is no fee for registration.

Program Objectives

At the end of this program, participants will be able to:

1. Provide a forum for sharing educational innovations in curriculum and teaching, educational research and leadership related to medical education.
2. Enhance knowledge and understanding of new approaches in medical education across the US.
3. Build a network of faculty, staff and students interested in promoting educational excellence.

Agenda

8:00 – 8:30

Registration

ECHI at ECU Atrium

8:30 – 8:40

Welcome and Opening Remarks

ECHI Auditorium

David Gilbert, MD, Interim Associate Dean for Innovation in Medical Education

8:40-9:40

Podium Session I

ECHI Auditorium

Moderator: Jill Sutton, MD, Clinical Associate Professor, Department of Obstetrics & Gynecology

Incorporating Combined Near-Peer and Peer-to-Peer Teaching into the Pediatric Clerkship to Increase Student Exam Performance and Preparation for Residency

Jared Barkes, M4, MET Scholar, Brody School of Medicine; Denise Elizondo, MD, Department of Emergency Medicine, Duke University School of Medicine, Mary Lenfestey, MD, Dmitry Tumin, PhD, Department of Pediatrics, East Carolina University

Use of Supplemental Spaced Digital Image Identification Improves Student Performance on Medical Neuroanatomy Digital Practical Exams

K. Ryan Dickerson, M2, MET Scholar, Brody School of Medicine; Kori Brewer, PhD, Department of Emergency Medicine, East Carolina University

Effects of interprofessional mass casualty incident simulation on role perception and communication between medical, physician assistant, and nursing students

Hayley Behm, M2, Research Scholar, Brody School of Medicine; Ryan Dickerson, M2, MET Scholar, Brody School of Medicine; Rachel Stiglitz, M2, Research Scholar, Brody School of Medicine; David Nacouzi, MS, M2, Brody School of Medicine; James Fletcher, MD, Department of Emergency Medicine, East Carolina University

9:40-9:50 **Break**

9:50 – 10:50 **Podium Session II**

ECHI Auditorium

Moderator: Jill Sutton, MD, Clinical Associate Professor, Department of Obstetrics & Gynecology

All Aboard the Magic School Bus: Enhancing Medical Learners' Experience Through Community Outreach Across Rural ENC

Kristina Simeonsson, MD, MSPH, Department of Public Health and Pediatrics, East Carolina University; Jill Jennings, MS, RD, Hannah Dail-Barnett, MPH, Department of Public Health, East Carolina University; Jamie Castle, DO, PGY-1, Department of Pediatrics, ECU Health; Jenelle Brison, MS, M3, Brody School of Medicine; Boluwatife Aluko, M4, Brody School of Medicine, ECU

Pathology Laboratory Sessions in the Pre-Clinical Medical Curriculum: Assessment of Construct and Effectiveness

Michael Denning, MPH, MBA, M2, MET Scholar, Brody School of Medicine; Jared Ratz, Medical Student Education; Philip Boyer, MD, PhD, Department of Pathology and Laboratory Medicine, East Carolina University

Medical Students' Perceptions of Physical Therapy: An Opportunity for Interprofessional Collaboration

Heather Hubeli, DPT Candidate, College of Allied Health Sciences, East Carolina University; Natalie Bryie, SPT, Gabrielle Lane, SPT, East Carolina University; Christine Lysaght, PT, DPT, CSCS, Department of Physical Therapy, East Carolina University

10:50 – 11:50 **Poster Viewing**

ECHI Atrium

*Further opportunity for symposium attendees to view the educational research work that is being conducted throughout ECU's Health Sciences Campus. We encourage you to visit with the poster presenters and engage in learning about their projects. *****No credit for this session******

11:50 – 12:10 **Break and Transition to Conference Room A**

12:10 – 1:00 **Keynote Presentation and Lunch**

ECHI Conference Room A

Can Interprofessional Practice Save Us in Healthcare?

Speaker: Alan Dow, MD, MSHA, Interim Division Chief, Division of Hospital Medicine, Asst. Vice President of Health Sciences for Interprofessional Education & Collaborative Care, President and CEO, UHS-PEP, VCU Health Continuing Education, Seymour and Ruth Perlin Professor of Medicine and Health Administration, Virginia Commonwealth University

Objectives:

- Describe the trends in loneliness, burnout, and wellbeing both inside and outside of healthcare
- Outline how a sense of community and connection support wellbeing

- Discuss how increasing interprofessional connection may improve practitioner wellbeing and health outcomes

1:00 – 1:15 **Awards, Evaluation, and Closing Remarks**

ECHI Conference Room A

Lisa Domico, PhD, Teaching Associate Professor, Department of Pharmacology, East Carolina University

1:15 – 1:30 **Break and Transition to Concurrent Sessions**

1:30 – 3:00 **Concurrent Educational Sessions**

I. **The Future of IPE at ECU**

Conference Room A

Presenter: Alan Dow, MD, MSHA and Kelly Lockeman, PhD

Session leaders will facilitate a discussion among IPE leaders from each of ECU's Health Sciences Schools to brainstorm ideas and concrete action steps to guide the future of IPE at ECU. The session will explore best practices and sustainable approaches to implement meaningful interprofessional experiences for faculty, staff, and learners.

II. **Shark Tank: Brody Bites Edition**

ECHI Auditorium

Moderator: Allison Flowers, MAEd, Director, Office of Faculty Affairs and Leadership Development

Submissions that are designated as Works in Progress (WIP) will be presented in Shark Tank format. Presenters will have five minutes to pitch their research to a panel of three expert judges and an audience of peers from whom they will receive feedback on how best to move the project forward.

3:00 **Adjourn**

Medical Education Day Judges

Steve Schmidt, PhD, Department of Interdisciplinary Professions, ECU College of Education

Sarah Williams, PhD, Executive Director, Office of Faculty Excellence & the STEPP Program

Kerry Sewell, MLS, Research Librarian, Laupus Health Science Library

Shannon Powell, PhD, RN, CNE, Nursing Education Program Concentration Director, ECU College of Nursing

Kelley Whitehurst, MAEd, Program Manager, MAO & GME Education, Vidant Medical Center

Jamie DeWitt, PhD, Professor, Department of Pharmacology and Toxicology

Accreditation: The Brody School of Medicine at East Carolina University is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation:

The Brody School of Medicine at East Carolina University designates this live activity for a maximum of 4.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistants will receive CME for Physician Assistants: AAPA accepts certificate of participation for educational activities certified for *AMA PRA Category 1 Credits*[™] from organizations accredited by ACCME or a recognized state medical society. Physician Assistants will receive 4.25 hours of Category 1 credit.

Eastern AHEC Contact Hours: 4.25 Contact Hours. This activity was designated for 4.25 *AMA PRA Category 1Credit(s)*[™].

Other health professionals will receive Eastern AHEC contact hours from an *AMA PRA Category 1 Credit™* activity. Certificates or other proof of participation are accepted by the North Carolina Boards for nurses, physical therapists, and occupational therapists. License requirements are subject to change. Eastern AHEC recommends that participants contact their licensing boards for specific questions.

Speaker Biography



Alan Dow, MD, MSHA is a general internist and the Ruth and Seymour Perlin Tenured Professor of Medicine and Health Administration at Virginia Commonwealth University (VCU). Beginning in 2021, he began serving as the interim division chief for hospital medicine, reprising a role he held as the founding director of the academic hospitalist service from 2004 to 2008. In this position, he oversees a dynamic division of over 65 physicians and twenty advanced practice providers who are the engine of inpatient clinical care and education at his institution. Concurrently, he has been the founding director of the Center for Interprofessional Education and Collaborative Care at VCU since 2011. Through this center, over 2500 learners and 100 faculty participate in interprofessional programs annually. Finally, he is also President and CEO of UHS-PEP, his institution's continuing education enterprise, which produces and credits thousands of hours of programs each year. In all of these roles, he seeks to translate needs defined by practice and the community into high-quality educational and clinical programs that advance health services and improve health. Alan attended medical school at Washington University and completed residency in internal medicine and a health administration degree at VCU.



Kelly Lockeman, PhD, is an educational researcher with an appointment as associate professor at Virginia Commonwealth University in the School of Medicine's Office of Assessment, Evaluation, and Scholarship. She also serves as director of evaluation and assessment for the VCU Center for Interprofessional Education and Collaborative Care. She is engaged in several multi-institutional collaborative research projects aimed at understanding process and measuring outcomes of interprofessional education. She is passionate about the scholarship of teaching and learning, particularly helping clinical faculty develop effective educational activities and mentoring them to publish and present their innovative work.

POSTER PRESENTATIONS

The Impact of Interpersonal Violence Prevention (IPV) Education on Youth and Young Adults in the Foster Care Program

Felicia Branch, M2, Research Scholar, Brody School of Medicine; Krupa Trivedi, M2, Brody School of Medicine; Meek Myoung, M2, Brody School of Medicine; Tyler Niles, UNC at Greensboro; Allyson Meyer, MS, Genetic Counselor, Department of Obstetrics and Gynecology, East Carolina University

Near-Peer Created Full-Length Practice Laboratory Practicals in Gross Anatomy and Embryology: Medical Student Support and Perceived Impact on Emotional Well-Being

Alexandra Doherty, M3, MET Scholar, Brody School of Medicine; K. Ryan Dickerson, M2, MET Scholar, Brody School of Medicine; Emily Askew, PhD, Department of Anatomy and Cell Biology, East Carolina University

Graduating Nursing Students Preparedness and Comfort Level in Caring for the LGBTQ+ Patients

Mark Hand, PhD, MSN, RN, CNE, College of Nursing, East Carolina University; Stephanie Gedzyk-Nieman DNP, RNC-MNN, Duke School of Nursing

Scholarly productivity of US medical schools before and during the COVID-19 pandemic

Catherine Gray, M2, Brody School of Medicine; Jhojana L. Infante Linares, MS, Director, Office of Data Analysis and Strategy, Brody School of Medicine; Karlene Cunningham, PhD, Director of Research, and Vice Chair of Diversity and Inclusion, Department of Psychiatry and Behavioral Medicine, East Carolina University; Dmitry Tumin, PhD, Department of Pediatrics, East Carolina University

The Impact of Using a Health Systems Sciences Signposting on Student Health Systems Sciences (HSS) Knowledge During the OB-Gyn Clerkship

Ashish Khanchandani, MS, M3, Brody School of Medicine; Jenna Garris, MA, Office of Medical Education, Brody School of Medicine; Jill Sutton, MD, Department of Obstetrics and Gynecology, East Carolina University

Preparing Future Physicians to Identify and Treat Children with Autism Spectrum Disorder: An Educational Intervention

Kelly Davis, M4, MET Scholar, Brody School of Medicine; Karen Stiles, PhD, ABPP, Department of Pediatrics, East Carolina University

APEx pilot program - group educational sessions for pregnant adolescents on caretaking for themselves and their infants

Rachel Stiglitz, M2, Research Scholar, Brody School of Medicine; Hayley Behm, M2, Research Scholar, Brody School of Medicine; Holly Sobon, M2, Brody School of Medicine; Annie Knight, MD, Department of Obstetrics and Gynecology, East Carolina University

Medical Education Needs for Rural Practitioners Concerning Farm Toxicology

Samuel Pankey, MD, Department of Emergency Medicine, East Carolina University, Claire Mills, MPH, RN, FACHE, Director, Elizabeth City Office, Eastern AHEC, Robin Tudor, Jason Hack, MD, Chief Division of Medical Toxicology; Jennifer Parker-Cote, MD; William Meggs, MD, PhD, Department of Emergency Medicine, East Carolina

Wellness Elective can Decrease Feelings of Burnout in Medical Trainees and Lead to Improved Personal and Professional Outcomes

Boluwatife Aluko, M3, Brody School of Medicine; Jill Sutton, MD, Department of Obstetrics and Gynecology, East Carolina University, Mary Lenfestey, MD, Department of Pediatrics, East Carolina University

Preparation of Fourth Year Medical Student for Residency Interviews: An Important Educational Opportunity

Brady Buchanan, M4, MET Scholar, Brody School of Medicine; Amanda Higginson, MD, Interim Associate Dean for Student Affairs, Office of Student Affairs, Department of Pediatrics, East Carolina University; Philip Boyer, MD, PhD, Department of Pathology and Laboratory Medicine, East Carolina University

Addressing Perinatal Mental Health Equity for Indigenous Birthing People in the US

Krupa Trivedi, M2, Brody School of Medicine; Amanda Haberstroh, PhD, Laupus Library, East Carolina University; Morgan Maner, M1, Brody School of Medicine; Karlene Cunningham, Ph.D. Department of Psychiatry and Behavioral Medicine, East Carolina University

Comparison of Cricothyrotomy Educational Techniques

Caleb Oakley, M4, MET Scholar, Brody School of Medicine; Jennifer M. Bennett, MD, Medical Director; Walter C. Robey III, MD, FACEP, CHSE, Assistant Dean, Safety and Simulation; Ruben C. Sloan III, MD, PhD, Medical Director, Office of Clinical Skills; Jennifer L. Parker-Cote, MD, Department of Emergency Medicine, East Carolina University; Greyson M. Vann, MD, Department of Emergency Medicine, University of Virginia; Kori L. Brewer, PhD, Associate Chief, Division of Research, Department of Emergency Medicine, East Carolina University; Dmitry Tumin, PhD, Department of Pediatrics, East Carolina University

Evaluating Second-Year Medical Student Perceptions of a Combined Anki Deck for Spaced Reptation-Based Pathology Course Study

Taha Lodhi, M2, LINC Scholar, Brody School of Medicine; David Nacouzi, MS, M2, Brody School of Medicine; Brady Buchanan, M4, MET Scholar, Brody School of Medicine; Philip Boyer, MD, PhD, Department of Pathology and Laboratory Medicine, East Carolina University

The Brody Mnemonic Challenge: Deploying Mnemonics in Medical Education Instruction

Charles Johnson, MD, Department of Pathology and Laboratory Medicine, Brody School of Medicine; Arjun Bhatt, M3, Brody School of Medicine; Jared Ratz, Medical Student Education; Philip Boyer, MD, PhD, Department of Pathology and Laboratory Medicine, East Carolina University

WORKS IN PROGRESS SHARK TANK PRESENTATIONS

Effectiveness of Medical Play in Decreasing Stress and Anxiety in the Siblings of N.I.C.U. Patients

Melisa Pasli, M3, Research Scholar, Brody School of Medicine; Titilola Babatunde, M3, LINC Scholar, Brody School of Medicine; Jared Barkes, M4, MET Scholar, Brody School of Medicine; Ryan Moore, MD, Director of Neonatology, Division of Neonatology and Newborn Medicine, Department of Pediatrics, East Carolina University; Jamie Lemons

Using a self-directed learning technique for learning suturing skills: Does medical student self-assessment agree with that of faculty observers?

Divya Srinivas, M3, MET Scholar, Brody School of Medicine; Walter C. Robey III, MD, FACEP, CHSE, Assistant Dean, Safety and Simulation, Department of Emergency Medicine, Brody School of Medicine, East Carolina University; Rebecca M. Gilbird, MPH, CHSOS-A, CHSE, Administrative Director, Clinical Simulation Program and Center, Brody School of Medicine, East Carolina University; Dmitry Tumin, PhD, Department of Pediatrics, East Carolina University; Jennifer M. Bennett, MD, Medical Director; Melanie Rodriguez Carrion, MD; Mehdi Bilgrami, MD, Department of Emergency Medicine, East Carolina University

Culinary Medicine Training

Kay Craven, MPH, RDN, LDN, CDCES, Nutrition and Patient Education; Jonathon Firnhaber MD, MAEd, MBA, Vice Chair for Academic Affairs; Ricky Watson MD, MSPH; Brittany Smith MS, RDN, LDN, Nutrition and Patient Education; Kathryn Kolasa PhD, RDN, LDN; Department of Family Medicine, Brody School of Medicine

Food is Medicine: Community Kitchen

Juliana Roupas, M2, Brody School of Medicine, Manthi Dissanayake, M2, Brody School of Medicine, East Carolina University

Improving Patient Health Literacy for Oncology Patients Initiating Chemotherapy Treatment

Jonathan Bowling, M2, LINC Scholar, Brody School of Medicine; David Meyer, M4; Catherine Gray, M2; Sydney Taylor, M2, Research Scholar; Ashish Khanchandani, M3; Michael Larkins, M3; John Fallon, MD, Department of Pathology and Laboratory Medicine, East Carolina University

Promoting Radiology Integration through Medical Education (PRIME): Improving Student Competency at an Early Stage

Michael Burt, M3, Brody School of Medicine; Ilya Boykov, M3, Research Scholar; Taha Lodhi, M2, LINC Scholar; Philip Boyer, MD, PhD, Department of Pathology and Laboratory Medicine, East Carolina University; Simone Montoya, MD, Director of Radiology Education, ECU Health, Eastern Radiologists

Take 5: An East Carolina University Emergency Medicine Clerkship Teaching Tool

Mehdi Bilgrami, MD, Department of Emergency Medicine, East Carolina University; Kimberly Alford, MD; Allison Schiller, DO; Juliana Adedoyin, MD; Nicollette Baldwin, DO, Department of Emergency Medicine, East Carolina University