

ACUTE AND CRITICAL CARE ACROSS THE LIFESPAN RESEARCH INTEREST GROUP

Date and Time of Meeting: **Friday March 29th 3:15-4:15pm**

(Julia Lee A/B West)

1. Sign-in Sheet: Update to make sure that you are a current RIG member. Need volunteers to sign up to help with awards and symposium

Those who Signed up for Awards

- Grant Pignatiello: gap54@case.edu
- Kelly Calkins: calks27@yahoo.com
- Sarah Newton: newton@oakland.edu
- Donna Prentice: donna.prentice@bjc.org

Those who Signed up for Symposium

- Heidi Lindroth: hindrot@iu.edu
- Judy Tate: tate.230@osu.edu
- Mary Beth Happ: happ.3@osu.edu
- Kelly Calkins: calks27@yhoo.com
- Bunny Pzehl: bpozehl@unmc.edu
- Sue Lasiter: lasiterr@umkc.edu
- Jill Guttormson: Jill.guttormson@marquette.edu
- Brea Hetland: breanna.hetland@unmc.edu

2. Introductions
3. Review and Approval of 2018 Minutes:
Minutes are online. **Motion to approve and accept minutes, minutes are approved.**
4. Presentation of RIG Awards:

Undergraduate Research Award - MERCEDES PRATT

Mercedes is an undergraduate student at The Ohio State University. As a participant in the College of Nursing honors program, she worked with Dr. Christine Fortney on a research project in the Neonatal ICU. Under Dr. Fortney's guidance, she used data from a recently conducted parent study to evaluate the effect of nurse perceived infant suffering and quality of life on self-reported nurse distress. She is presenting those findings at this year's conference and at Ohio State's research festival. Mercedes is working towards publishing her results to provide NICU nurses worldwide with access to these findings in the hopes of decreasing nurse distress and burnout, leading to improved patient outcomes. She has a passion for pediatric and critical care nursing. She currently work at a pediatric surgery center and serves as the president of Ohio State's Student Nurses Association. Mercedes was the recent recipient of the Ohio March of Dimes Undergraduate Nursing Student Award for her outstanding undergraduate work.

Her nominator described her as determined, motivated, and energetic. "Mercedes is a bright and engaging young woman who works well with her our team. I have no doubt that she can accomplish anything that she

puts her mind to doing in her career.” She plans to continue her nursing education and has applied to the Pediatric Nurse Practitioner Program at Ohio State.

I am very pleased to present the Undergraduate Research Award to Mercedes Pratt!

Graduate Student Research Award - DONNA PRENTICE

Dr. Prentice has worked in the area of critical care nursing for nearly 40 years—initially as a staff nurse and later as a clinical nurse specialist (CNS). She has been involved in educating new critical care nurses, precepting advanced practice nursing graduate students, implementing evidence-based practice at the bedside, spearheading critical care performance improvement projects, and conducting acute and critical care research.

She recently completed her PhD at the University of Missouri MU Sinclair School of Nursing. Her dissertation research titled, “End-tidal Carbon Dioxide Level in the Diagnosis of Acute Pulmonary Embolism in Hospitalized Adult Patients”, prospectively examined the accuracy, financial impact, and harm avoidance of adding end-tidal carbon dioxide to the pulmonary embolism (PE) diagnostic process. An additional purpose of her dissertation is to evaluate clinician adherence to the 2015 *American College of Physicians Best Practice Advice for the Diagnosis of Acute Pulmonary Embolism*. Collectively, the results of her dissertation research will have implications for PE diagnostic testing process as well as the best practice guideline.

Dr. Prentice secured competitive funding to support her dissertation research from the Society of Critical Care Medicine Shark Bait Research Contest and the Toni & Jim Sullivan Endowed Research Fund for PhD Students. During her time as a PhD student, she has had five, databased, clinical research articles published with colleagues from her work setting. She has presented her doctoral work in poster presentations at the local University of Missouri Health Sciences Research Poster Day, regional Midwest Nurses Research Society Annual Research Conference, and the national Society of Critical Care Medicine Annual Congress. Dr. Prentice has been recognized by awards from her employer, Barnes-Jewish Hospital, *St. Louis Magazine*, and March of Dimes. She has also received the prestigious recognition as a Fellow of Critical Care Medicine! Her nominator described her as “an exceptionally conscientious, dependable, self-directed and motivated”

It is my pleasure to present the award for the Graduate Student Research Award to Dr. Donna Prentice!

NEW INVESTIGATOR AWARD - GRANT PIGNATIELLO

Dr. Pignatiello’s research focuses on enhancing the quality of end-of-life decision making across the critical illness continuum. In his five years as a critical care nurse, he witnessed the tremendous duress family members experience when making proxy decisions for a critically ill loved one, thus inspiring him to pursue his PhD at Case Western Reserve University (CWRU).

During his doctoral work, he was a lead research assistant NIH and Robert Wood Johnson Foundation sponsored projects, served as the president of the PhD Student Nurses’ Association, and represented CWRU at the Jonas Nurse Leader Scholar National Conference. His dissertation research, an NIH supported diversity supplement NINR R01 award, explored the cognitive load elicited by an electronic end-of-life aid among family members of critically ill patients.

Dr. Pignatiello recently began a postdoctoral fellowship at Case Western Reserve University. He has used his predoctoral experiences and the evidence generated from his dissertation to support the submission of a KL2 research grant to CWRU’s Clinical and Translational Science Collaborative. With the KL2, he proposed the use of a multiphase optimization strategy to develop an electronic end-of-life decision aid for surrogate decision makers of critically ill patients.

His nominator said, “Dr. Pignatiello possesses great promise to lead among the next generation of nurse scientists.” He exemplifies the dedication, character, and ability to serve as a leader in nursing science”. I’m pleased to present Dr. Pignatiello with the New Investigator Award.

Distinguished Investigator Award - CHRIS WINKELMAN

Due to a family matter, Dr. Winkelman is unable to join us today. Her colleagues, Dr. Hickman and Dr. Pignatiello will be accepting the award on her behalf.

As one of the first researchers to explore outcomes associated with progressive mobility for critically ill adults, Dr. Winkelman has worked with interdisciplinary teams to identify screening tools for early progressive mobility, test patient readiness for progression, and examine responses to an early mobility intervention. Nationally and internationally recognized, she has over 50 publications related to her research; she also has influenced nursing education and practice through textbook chapters, a textbook of medical-surgical nursing, and a column in *Critical Care Nurse* about advanced practice nursing. She is an inquisitive researcher, committed educator, and skilled clinician. Her program of research has made significant contributions to establishing early mobility as a standard of practice in caring for the critically ill in this country and around the world.

Dr. Winkelman’s expertise as a nurse researcher and clinician has enabled her to be a leader in the development of several inter-disciplinary guidelines for intensive care units. She was the only nurse member of the American Thoracic Society (ATS) Committee on ICU-acquired Weakness in Adults. She contributed to an American Heart Association Scientific Statement about staffing and training for the Cardiovascular Intensive Care. Most recently, she served as the nurse expert on the Mobility section of the clinical practice guidelines for the prevention and management of pain, agitation/sedation, delirium, immobility, and sleep disruption issued by the Society for Critical Care Medicine.

Additionally, Dr. Winkelman is the Lead Faculty for the Adult-Gerontology Acute Care Nurse Practitioner Program at the Frances Payne Bolton School of Nursing. She has served as member or chair of national and local professional organizations, including SCCM and AACN. These leadership activities contribute to the continued advancement of research and evidence-based practice to support quality, safety, and optimal outcomes in acute and critical care.

Dr. Winkelman has mentored over 25 doctoral students and advised over 100 MSN acute care students. She has mentored student publications, leading to multiple original and co-authored manuscripts by graduate students and junior faculty. Further, she has a long, ongoing history of precepting, exerting significant influence on new critical care and advance practice nurses. Maintaining ongoing relationships with these clinical NP leaders has led to consultation related to effective orientation strategies and meaningful quality improvement projects.

Dr. Winkelman’s research excellence has resulted in measurable improvements in the way we care for critically ill patients, as evidenced most notably through her work with early progressive mobility. She takes the breadth and depth of her experience to her mentorship roles, instilling in her students her knowledge and her true inspiration.

She is an outstanding researcher; her quest for new knowledge, her innovation, and her interdisciplinary collaboration has improved the lives of countless patients and families, contributed to the evidence base for practice, and enabled her to provide outstanding mentorship to students, early career scientists, and other colleagues.

5. Review of and Thank you to current RIG leadership: **This is Breanna’s Hetland last year (many thanks for her service and leadership), Natalie McAndrew will be taking over.**
 - Election of new Chair: **Kelly Calkins nominated to be the 2020-2021 incoming chair**

- Identification of Grants Committee Representative: **TBD – Jill Guttormson has served in this role in the past and will discuss with her – Natalie McAndrew will do this if needed**
6. Summary of Prior Year
- RIG Membership Survey Results (conducted Fall 2018)
 - **Only had 13 participants (primarily early and mid-career)**
 - **Mentee/Mentor Program within RIG – 7 yes, 5 no**
 - **Awards**
 - **Newsletters**
 - **Some reported not receiving them – make sure you designate Acute and Critical Care as your RIG to get all email communications**

Suggested to use Twitter for frequent updates. Need to have at least an annual newsletter to honor the awards winners as well as updates from the meeting if you are unable to attend. Will continue list serve for now.

 - **Didn't create any this year – should we continue in 2020?**
What is the best way to communicate as a group? Slang was brought up, List Serve (can we change the way the messages come across? Looks like SPAM currently. Twitter? Read your list serve emails for now. We will work on better or different ways to communicate in the future. Another RIG uses the buddy system to make sure everyone get the information. This increases engagement and making sure all are aware of the communication.
 - **New website – use of technology to connect RIG**
New updated website is a great resource for information. It is free and already set up.
7. Future Plans
- We have a Guaranteed Symposia in 2020
 - Previous workshop content?
 1. **Clinical Research in Acute and Critical Care: Strategies for Success**
 - Session will provide practical guidance for successful implementation, conduct, and completion of clinical research in acute care settings. Challenges to be addressed include site access, recruitment, Institutional Review Board (IRB) issues, ethical considerations, and retention.
Methods type symposium, submit abstracts to discuss these issues.
 - Awards
 - **Distinguished Award, New Investigator Award, Graduate Student Award, Undergraduate Student Award**
 - **Thoughts on current awards offered, frequency of offering**
New names for the awards this year, what was everyone's thoughts? Suggested to keep all four awards, it is important for engagement. These awards are important for P & T. We do not need to give and award. Is it obvious that you could self-nominate? Breanna will review and make sure that it is evident you can self-nominate. It is important to keep a student separate award or at least make it clear that students can apply to the new investigator award.
8. Review of Purpose, Short term, Long Term goals
- **Goals of RIG for next 3 years**
 - 2018 -Goals
 1. **Increase RIG membership: Still a goal, want to increase membership by 15%**

How can we increase the membership.

- We want connections, mentorship and connects with peers
 - RIG is a good way to meet people –
 - Senior Scientist – committed to critical care science as ICU is a difficult area of investigation; helpful if RIG meeting could include open discussion about problem solving or methods
 - A way to have an online forum of research challenges/problem solving
 - Senior scientists – online fatigue, careful about response online, want face time with people
 - Is it possible to have longer time for RIG – like an hour and a half? A way to network post RIG business
 - Want RIG meetings to be fun – some people are in multiple RIGs – always pick the fun RIG
 - Opportunity for speakers for our RIG –
 - Guided panel discussions- questions ahead of time
2. Increase award applications: **Want to increase the nominations by 50% for each award.**
 3. **Submit application for preconference MNRS 2018 (completed – did not get enough attendance to hold pre-conference)**
 4. **Increase communication; establish newsletter - done**
 5. **Increase student and member involvement in the RIG through ‘Meet the Professor/Senior Scientist’ sessions at RIG meetings.**
 - Host a panel/round table discussion
 - Talk to students who are working in this area and invite them to the RIG meeting
 - Need to send out a reminder to the RIG members to come to the meeting
 - Descriptive statistics of who attends (can get this through MNRS – Natalie to talk to Kelly)
 - Peds/NICU don’t feel included – how can we make them feel more included? Advertise
 - Make sure family RIG and acute care RIG are not scheduled at same time
 - Continue to focus in on acute and critical care across the lifespan

2019-2020 Goals

- 1) Increase RIG membership (increase by 15%, so add approximately 10-15 new members)
 - 2) Increase award application (increase award application by 50%)
 - 3) Hold a symposium on acute and critical care research challenges
 - 4) Submit for a competitive symposium the following year (2021) as we are guaranteed in 2020
 - 5) Have a newsletter at least twice a year
 - 6) Tweet out important RIG information (have a RIG representative willing to assist with this)
 - 7) Provide greater mentorship in our RIG through ‘Meet the Professor/Senior Scientist Sessions’ at RIG meetings – consider asking for additional time to hold this next year?
- Overall Long-term goals
 - **To engage members in the development, implementation, and dissemination of research and scholarships.**

- 1. Create a collaborative network among RIG members such as developing a directory of their area of science and population of interest (neonates, pediatrics, adults), current research projects, and professional affiliations.**
- 2. Cultivate new generations of scientists through mentor-mentee relationships.**
- 3. Engage members in scholarly dialogue to identify and address barriers and challenges in the development and implementation of research projects in acute and critical-care settings through guaranteed or competitive symposia.**
- 4. Recognize scholarly achievements among students, clinicians, faculty, and researchers.**
- 5. Support the mission, vision, and strategic directions of the MNRS.**