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CHILDREN'S RESEARCH QUARTERLY

NEWS FROM RESEARCH & SPONSORED PROGRAMS



FALL 2016

Congratulations!

2016 Internal Research Grant Program Awards

Children's Education and Research Committee is pleased to announce that the following projects have been awarded IRGP funding. The Internal Research Grant Program (IRGP) is designed to improve investigator access to intramural support for research projects that are likely to lead to external collaboration, publication and funding. In 2016, two program categories were funded.

Large Grant Program

Awards were for up to \$150,000 to support high-impact research or inquiry into issues that affect child or adolescent health.

"Pleuropulmonary blastoma treatment and biology protocol," Kris Ann Schultz, MD

"Transformation of Single Ventricle Diagnostics," B. Kelly Han, MD

Small Grant Program

Awards were for up to \$15,000 to support data collection for pilot research and evaluation of smaller projects.

"Trends in point-of-care ultrasound use, billing, and reimbursement in the emergency department," Kelly Bergmann, MD

Cutler receives 2016 Child Health Collaborative Grant

[Gretchen Cutler](#), PhD, Program Director of Emergency Department Research, and Caitlin Caspi, ScD, University of Minnesota, were awarded the 2016 Child Health Collaborative Grant for their study that looks at better ways to connect families experiencing food insecurity with food and nutrition resources in the community. The study will assess whether a text-messaging system focused on improving links to community resources helps improve satisfaction with medical care, reduce emergency department

“Neurally adjusted ventilatory assist (NAVA) vs conventional biphasic positive end expiratory pressure (BiPAP) non-invasive respiratory support in infants, postoperative congenital heart surgery,” Gretchen McGuire, RN, MSN, CPNP-AC

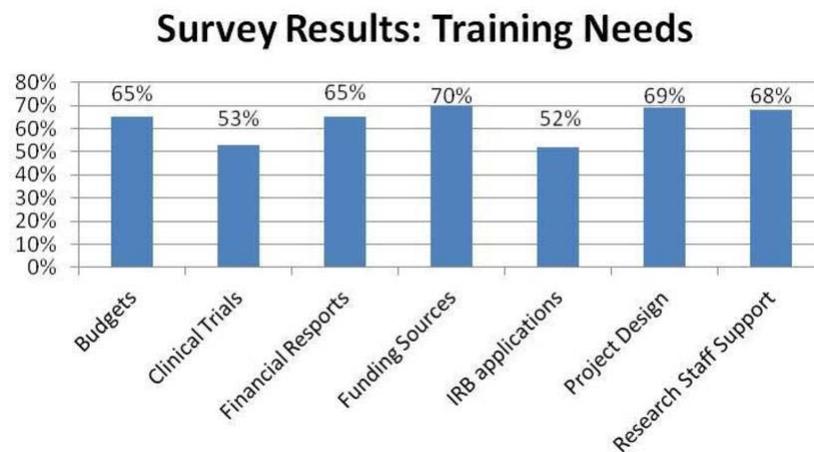
“Preventing procedural distress during pediatric facial laceration repair: which procedural support practices are a cut above the rest?” Michael Scribner-O’Pray

“Novel therapeutics of DICER1-related tumors,” Kris Ann Schultz, MD

readmissions, and increase the level of food security in these families.

This grant was made possible thanks to funding from Children’s Minnesota and the University of Minnesota CTSI and Department of Pediatrics.

Research training needs survey results



Research and Sponsored Programs conducted a survey of over 500 clinicians and research staff on in August that assessed the training needs of experienced and new researchers. The results of the survey indicate that it will be important to develop training and tools that emphasize the mechanics of running a research project. This information will be used to improve our services.

The chart above shows that both experienced and inexperienced researchers need additional training on a variety of issue related to research. We hope to address these training needs by developing training modules over the next year.

R01 awarded for SHARED project

RSP Staff News

Please join RSP in welcoming the following new Research Staff:

Jing Jin, CRA II,
ED/Trauma Research
Program

Elizabeth Duffy, Research
Assistant, Emergency Dept.

Salma Hassann, Research
Assistant, Emergency Dept.,

Eric Dion, Clinical
Research Associate,
Midwest Fetal Care Center

Sara Russell, Clinical
Research Associate, Eating
Disorders

Melissa Buescher,
Clinical Research
Coordinator,

Cardiovascular/Critical Care

Advice from Researchers - Survey Results

**What advice did
experienced researchers**

The Pain Medicine, Palliative Care and Integrative Medicine research team recently received notice of grant award (RO1) from NIH's National Institute of Nursing Research for a 5 year project titled "Pediatric Palliative Care Research Network SHARE Project." Efforts to improve pain and palliative care (PPC) for children with serious illness and their parental caregivers are currently hampered by limited understanding of the symptoms experienced by these patients, how these symptoms change over time and how they are associated with parental affect and distress.

This project aims to enhance capacity to gather and analyze a sufficient amount of high-quality data to guide PPC treatment and decision-making for individual patients coupled with associated costs of care to inform PPC policy at the population level.

The project brings together research and PPC teams from 4 children's hospitals across the US. [Dr. Stefan Friedrichsdorf](#) will lead the Children's Minnesota site conducting primary data collection contributing to the cohort group of 800 patients in the Shared Data and Research (SHARE) data base.

This cohort study will follow participating children receiving palliative care and their parents for 2 years gathering data on aspects of the illness experience. Clinical data and costs of care will be compiled to explore PPC utilization trajectories compared to non-utilization, and its impact on patient symptoms, parental distress, and how the combination influence goals of care as well the differences in overall hospital costs.

Bergmann gives expert advice



[Dr. Kelly Bergmann](#), who recently published a study "Concussion Among Youth Skiers and Snowboarders" in Pediatric Emergency Care, was interviewed and quoted in a recent Reuters news agency article which examined the protective effect of helmet use in skiing and snowboarding injuries. According to the article, in 2002, wearing a helmet reduced head injury risk by 55 percent and in 2010, the protective

give to new researchers?

- Start quickly
- Build networks and team with experienced collaborators
- Keep a discrete focus on your primary research objectives; don't get side tracked with numerous other secondary measures along the way
- Understand the difference between clinical care and research
- Bring your ideas and pursue them, seek help when needed.
- Use the resources Children's has in the research department
- Ask good research questions
- Seek a mentor
- Be patient

What is a Health Economist?

Interview with Eric Christensen, PhD by Khidar Mehmud

This month we interviewed [Eric Christensen](#), Health Economist for RSP.

Mehmud: Exactly what is a health economist?

Christensen: A health economist is like any other

effect was lower. Dr. Bergmann stated that people should not conclude from this study that helmets don't work. Dr. Bergmann believes that further research needs to be done to determine why this effect was lower.

Link to article: <http://in.reuters.com/article/us-health-helmets-skiing-idINKCN1182DT>

Children's investigator-initiated research publications

Selected Third Quarter Publications

1. **Arkilo, D.**, Devinsky, O., Mudigoudar, B., Boronat, S., Jennesson, M., Sassower, K.,...Thibert, R. (2016). Electroencephalographic patterns during sleep in children with chromosome 15q11.2-13.1 duplications (Dup15q). *Epilepsy Behavior*, 57, 133-136.
2. **Bohm, L. A., Sidman, J. D., & Roby, B.** (2016). Early airway intervention for craniofacial anomalies. *Facial Plastic Surgery Clinics of North America*, 24(4), 427-436.
3. **Gil, S., Hooke, M. C., & Niess, D.** (2016). The limited English proficiency patient family advocate role: Fostering respectful and effective care across language and culture in a pediatric oncology setting. *Journal of Pediatric Oncology Nursing*, 33(3), 190-198.
4. **Herriage, T.**, Hooken, M. C., Streifel, A., & Slaker, B. (2016). Utilization of an intravenous line lifter within a pediatric oncology population. *Journal of Pediatric Oncology Nursing*, 33(2), 105-110.
5. **Johnson, D. E.** (2016). Extremely preterm infant skin care: A transformation of practice aimed to prevent harm. *Advances in Neonatal Care*, 16 Suppl 5S, S26-S32.
6. **Kunin-Batson, A. S.**, Lu, X., Balsamo, L. Braber, K., Devidas, M., Hunger, S. P.,...Kadan-Lottick, N. S. (2016.) Prevalence and predictors of anxiety and depression after completion of chemotherapy for childhood acute lymphoblastic leukemia: A prospective longitudinal study. *Cancer*, 122(10), 1608-1617.

economist except they're focused on one particular market, in this case, the healthcare market. A healthcare market has its own unique circumstances of how it operates. The health market has its weird issue of where there's more than a buyer and a seller. You've got this third party mixed in—the payer... the person getting the service isn't necessarily the one paying for them. So you've got this unusual dynamic. A health economist works with the uniqueness of the health market and examines that. They would focus on things like population health kind of issues.

[Click here to read the whole article on StarNet](#)

Contact Us

Questions or feedback?

Contact our team:

[Camerone Bey, Director](#)
[612-813-7628](tel:612-813-7628)

[Mike Finch, PhD, Research Projects and Analytics Manager](#)
[612-813-6303](tel:612-813-6303)

[Angela Plaisance, Grants & Contracts Specialist](#)
[612-813-6142](tel:612-813-6142)

7. **MacIver, R. H.**, Larson, S. B., Moller, J. H., & Shumway, S. J. (2016). The first repair of cor triatriatum. *Annals of Thoracic Surgery*, 102(3), 1023-1026.

[Wendi Heuermann, Grants & Contracts Specialist](#)
[612-813-6303](#)

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