

**Kelli Ryckman**  
**Assistant Professor**

**EDUCATION**

Iowa State University	BS	2003	Biochemistry
Vanderbilt University	MS	2008	Applied Statistics
Vanderbilt University	PhD	2009	Human Genetics

**EMPLOYMENT AND EXPERIENCE**

2003-04	Research Technician, BioForces Nanosciences, Ames, Iowa
2009-11	Postdoctoral Research Fellow, The University of Iowa, Iowa City, Iowa
2011-12	Assistant Research Scientist, The University of Iowa, Iowa City, Iowa
2012-pres	Assistant Professor, The University of Iowa, College of Public Health, Dept. of Epidemiology

**HONORS**

2005	Vanderbilt University – travel grant award for ASHG meeting
2006	Vanderbilt University – travel grant award for ICHG meeting
2007	Vanderbilt University - dissertation enhancement grant for PREBIC workshop
2007	Vanderbilt University - travel grant award for ASHG meeting
2008	University of Miami – Marcy C. Speer Scholarship for Genetic Analysis of complex Human Diseases workshop
2008	Vanderbilt University – travel grant award for ASHG meeting
2010	Health Science Research Week Poster Session Award from the Institute for Clinical and Translation Science
2012	The University of Iowa College of Public Health New Faculty Research Award
2014	The University of Iowa College of Public Health Junior Faculty Research Opportunity Award

**BIBLIOGRAPHY (2012-present, in chronological order)**

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2. **Ryckman KK**, Dagle JM, Kelsey K, Momany AM, Murray JC. Genetic associations of surfactant protein D and angiotensin-converting enzyme with lung disease in preterm infants. Journal of Perinatology 32:349-355, 2012. [PMCID:PMC3370386]
3. Byers HM, Dagle JD, Klein JM, **Ryckman KK**, Murray JC, Borowski KS. Variations in *CRHR1* and *CRHBP* are associated with persistent pulmonary hypertension of the newborn. Pediatric Research 71:162-7, 2012. [PMCID:PMC3718388]
4. **Ryckman KK**, Cook DE, Berberich SL, Shchelochkov OA, Copeland S, Berends SK, Busch T, Dagle JM, Murray JC. Replication of clinical associations with 17-hydroxyprogesterone in preterm newborns. J Pediatr Endocrinol Metab 25:301-5, 2012. [PMCID:PMC3552557]
5. Sirugo G, Velez Edwards DR, **Ryckman KK**, Bisseye C, White MJ, Kebbeh B, Morris GAJ, Adegbola RA, Tacconelli A, Predazzi I, Novelli G, Vannberg FO, Odunsi K, Page GP, Williams SM. PTX3 genetic variation and dizygotic twinning in The Gambia: could pleiotropy with innate immunity explain common dizygotic twinning in Africa? Annals of Human Genetics 76:454-463, 2012. [PMCID:PMC3731069]

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7. Mann PC, Cooper ME, **Ryckman KK**, Comas B, Gili J, Crumley S, Bream ENA, Byers HM, Piester T, Schaefer A, Christine PJ, Lawrence A, Schaa KL, Kelsey KJP, Berends SK, Momany AM, Gadow E, Cosentino V, Castilla EE, Camelo JL, Saleme C, Day LJ, England SK, Marazita ML, Dagle JM, Murray JC. Polymorphisms in the fetal progesterone receptor and a calcium-activated potassium channel isoform are associated with preterm birth in an Argentinian population. *Journal of Perinatology* 33:336-40, 2012. [PMCID:PMC3719965]
8. **Ryckman KK**, Berberich SL, Shchelochkov OA, Cook DE, Murray JC. Clinical and Environmental Influences on Metabolic Biomarkers Collected for Newborn Screening. *Clinical Biochemistry* 46:133-138, 2013. [PMCID:PMC3534803]
9. Alul FY, Cook DE, Shchelochkov OA, Berberich SL, Murray JC, **Ryckman KK**. The Heritability of Metabolic Profiles in Newborn Twins. *Heredity* 110:253-258, 2013. [PMCID:PMC3668651]
10. Alul FY, Shchelochkov OA, Berberich SL, Murray JC, **Ryckman KK**. Genetic associations with neonatal thyroid stimulating hormone levels. *Pediatric Research* 73:484-491, 2013. [PMCID:PMC3775497]
11. **Ryckman KK**, Dagle JM, Shchelochkov OA, Ehinger N, Poole SD, Berberich SL, Reese J, Murray JC. Association of Amino Acids with Common Complications of Prematurity. *Pediatric Research* 73:700-5, 2013. [PMCID:PMC3660469]
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14. Myking S, Boyd H, Myhre R, Feenstra B, Jugessur A, Devold Pay AS, Ostensen IHG, Morken NH, Busch T, **Ryckman KK**, Magnus P, Gjessing HK, Melbye M, Jacobsson B, Murray JC. X-chromosomal maternal and fetal SNPs and the risk of spontaneous preterm delivery in a Danish/Norwegian genome-wide association study. *PlosOne* 8:e61781, 2013. [PMCID:PMC3628886]
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