

# Curriculum Vitae

## Sara K. Rosenkranz, PhD

### Assistant Professor

Department of Food, Nutrition, Dietetics and Health  
Physical Activity and Nutrition Clinical Research Consortium (PAN-CRC)  
Lafene Health Center, Kansas State University  
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#### **FORMAL EDUCATION**

Ph.D., Human Nutrition, Kansas State University, Manhattan, May 2010  
*Dissertation: Lifestyle Influences on Airway Health in Children and Young Adults*  
Major Professor: Dr. Craig Harms

Master of Science, Kinesiology, Kansas State University, Manhattan, December 2001  
*Thesis: The Relationships between Leadership Styles, Satisfaction, and Attendance at Physical Activity Groups for Older Adults.*  
Major Professor: Dr. Paul Estabrooks

Bachelor of Arts, Psychology, University of Kansas, Lawrence, 1993  
*Honors Thesis: Subjective and Physiological Responses to Stress in High and Low Fit Subjects*  
Major Advisor: Dr. David Holmes

#### **RELEVANT PROFESSIONAL EXPERIENCE**

**September 2015-present:** Assistant Professor (tenure track)- Inactivity and Nutrition-Department of Food, Nutrition, Dietetics and Health; teaching undergraduate and graduate students (40%); mentoring students; service to the Department (10%), College, and University; research publication and grant writing (50%). Kansas State University, Manhattan, KS

- Executive Committee Chair-Physical Activity and Nutrition Clinical Research Consortium (PAN-CRC)
- Member of University Committee for the Protection of Human Subjects (KSU IRB)
- Member of Graduate Faculty
- Member of Master of Public Health Faculty Advisory council

**October 2014-August 2015:** Research Assistant Professor (non-tenure track)- Inactivity and Nutrition-Department of Human Nutrition; teaching undergraduate and graduate students (30%); mentoring students; service to the Department (10%), College, and University; research publication and grant writing (60%). Kansas State University, Manhattan, KS

**January 2012 to October 2014:** Term Assistant Professor (non-tenure track)- Department of Human Nutrition; teaching undergraduate and graduate students; mentoring students; service to the Department, College, and University; research publication and grant writing. My position was 60% time from January 2012 through August 2013 in a teaching only position and then 100% time from August 2013 through October 2014. Kansas State University, Manhattan, KS

**2010 to 2012:** Research Officer and then Research Fellow-Department of General Practice/School of Medicine-University of Western Sydney; Assisted with the preparation and submission of research grant applications, including liaising with relevant School of Medicine and UWS units, prepared and lodged ethics applications in consultation with the Peter Brennan Chair of General Practice and research collaborators, developed and maintained relationships with general practitioners and general practitioner organizations, conducted research in the area of General Practice and coordinated research including clinical trials, ensuring compliance with UWS policies

and procedures including ethical requirements, created and managed databases and conducted routine statistical analyses. Campbelltown, NSW Australia

**2007 to 2010:** Lab Manager-Community Health Institute-Kansas State University; Managed grants including supervising student employees, graduate students, data collection, data entry, data analysis, computer upkeep and upgrades, specialized equipment maintenance, coordinating lab meetings, training others on specialized equipment and software, and various other managerial responsibilities as they arose. Manhattan, KS

**2005 to 2007:** Teaching Laboratory Technician-Kansas State University; L.I.F.E. fitness facility Director, GTA supervisor, Instructor in Department of Kinesiology, responsible for making sure all equipment functioned for use in physiology laboratories. Manhattan, KS

**2003 to 2004:** Head Coach and Team Manager- Next Step to Gold, Inc.; Incorporated the business, obtained not-for-profit status, hired assistant coaches, created annual budget, set up team race calendar, obtained team sponsors, wrote team training program including individual workouts, lactate threshold testing, set up team meetings, and traveled to team races. Clermont, FL and Colorado Springs, CO

**2003 to 2003:** Exercise Physiologist- USA Triathlon National Training Center; personal training, implementing beginner triathlon training programs, lactate threshold, VO2 max testing, Bodygem and skinfold testing, bike fits, orientations, evaluations, program development. Clermont, FL

**2002 to 2003:** Coaching Education and Athlete Development Director- USA Triathlon; oversaw coaching education program, scheduled clinics, organized speakers, created and implemented a budget for each clinic as well as for the calendar year, assisted with updating the existing level I and level II coaching manuals, created clinic curriculum, presented at clinics, created and graded examinations, oversaw Athlete Development Director as well as Regional Athlete Development Coordinators. Clermont, FL

**1999 to 2000:** Graduate Research Assistant- Kansas State University; assisted with all phases of nutritional and exercise research studies from data collection and entry, to analysis and write-up. Manhattan, KS

**1999 to 2000:** Graduate Teaching Assistant- Kansas State University; taught jogging, weight-training, aerobics, and fitness and conditioning courses, assisted professors with higher-level classes, held regular office hours to assist students with coursework. Manhattan, KS

## **PREVIOUS RESEARCH EXPERIENCE**

- Research Officer and then Research Fellow, Department of General Practice, School of Medicine, University of Western Sydney, Australia 2010-2012, Medical Education Research, Research Training in General Practice, and Otitis Media in General Practice.  
Advisor: Professor Jennifer Reath
- Doctoral Research, Kansas State University, Manhattan 2005-2010, Lifestyle Influences on Airway Health in Children and Young Adults.  
Advisor: Dr. Craig Harms
- Masters Research, Kansas State University, Manhattan, 2000-2001, The Relationships between Leadership Styles, Satisfaction, and Attendance at Physical Activity Groups for Older Adults.  
Advisor: Dr. Paul Estabrooks

- Graduate Research Assistant, Kansas State University, Manhattan, 2000-2001, Kansas State Research and Extension Office, Kansas Childhood Hunger Identification Project. Supervisor: Dr. David Dzewaltowski
- Graduate Research Assistant, Kansas State University, Manhattan, 1999-2000, Kansas LEAN School Health Project, Healthy Youth Places Project. Supervisor: Dr. David Dzewaltowski
- Undergraduate Honors Thesis Research, University of Kansas, Lawrence, 1992-1993, Subjective and Physiological Responses to Stress in High and Low Fit Subjects. Advisor: Dr. David Holmes
- Research Assistant, Dr. John Colombo, 1992-1993. Credited in Frick, J. E., Colombo J., & Allen, J. R. (2000). Temporal Sequence of Global–Local Processing in 3-Month-Old Infants. *Infancy*, *1* (3), 375-386.

### **PEER REVIEWED PUBLICATIONS (\* indicates senior/corresponding author)**

1. Joyce J, Rosenkranz RR, & **Rosenkranz SK\***. Variation in Nutritional Quality of School Lunches with Implementation of National School Lunch Program Guidelines. (in press at J School Health, Jan 2018).
2. Emerson SR, Kurti SP, Emerson EM, Cull BJ, Casey K, Haub MD, and **Rosenkranz SK\***. Postprandial Metabolic Responses Differ by Age Group and Physical Activity Level. *J Nutr Health Aging*. 2018;22(1):145-153. doi: 10.1007/s12603-017-0956-6. PubMed PMID: 29300434.
3. Kurti SP, Emerson SR, Smith JR, **Rosenkranz SK**, Alexander SA, Lovoy GM, Harms CA. Older women exhibit greater airway 8-isoprostane responses to strenuous exercise compared to older men and younger controls. *Appl Physiol Nutr Metab*. 2017 Dec 14. doi: 10.1139/apnm-2017-0565. [Epub ahead of print] PubMed PMID:29241018.
4. Cull BJ, Dzewaltowski, DA, Guagliano, JM, **Rosenkranz, SK**, Knutson C, & Rosenkranz RR. (in press December 2017). Wellness-Promoting Practices through Girl Scouts: A Pragmatic Superiority Randomized Controlled Trial with Additional Dissemination. *American Journal of Health Promotion*.
5. Mailey EL, **Rosenkranz SK**, Ablah E, Swank A, Casey K. Effects of an Intervention to Reduce Sitting at Work on Arousal, Fatigue, and Mood Among Sedentary Female Employees: A Parallel-Group Randomized Trial. *J Occup Environ Med*. 2017 Dec;59(12):1166-1171. doi: 10.1097/JOM.0000000000001131. PubMed PMID: 28816735.
6. Delimont NM, **Rosenkranz SK**, Haub MD, Lindshield BL. Salivary proline-rich protein may reduce tannin-iron chelation: a systematic narrative review. *Nutr Metab (Lond)*. 2017 Jul 24;14:47. doi: 10.1186/s12986-017-0197-z. eCollection 2017. Review. PubMed PMID: 28769992; PubMed Central PMCID: PMC5525358.
7. Tremblay MS, Aubert S, Barnes JD, Saunders TJ, Carson V, Latimer-Cheung AE, Chastin SFM, Altenburg TM, Chinapaw MJM, Aminian S, Arundell L, Atkin AJ, Barone Gibbs B, Bassett-Gunter R, Belanger K, Biddle S, Biswas A, Carson V, Chaput JP, Chau J, Colley R, Coppinger T, Craven C, Cristi-Montero C, de Assis Teles Santos D, del Pozo Cruz B, del Pozo-Cruz J, Dempsey P, do Carmo Santos Gonçalves RF, Ekelund U, Ellingson L, Ezeugwu V, Fitzsimons C, Florez-Pregonero A, Friel C, Fröberg A, Giangregorio L, Godin L, Gunnell K, Halloway S, Hinkley T, Hnatiuk J, Husu P, Kadir M, Karagounis LG, Koster A, Lakerveld J, Lamb M, Larouche R, LeBlanc A, Lee EY, Lee P, Lopes L, Manns T, Manyanga T, Martin Ginis K, McVeigh J, Meneguici J, Moreira

- C, Murtagh E, Patterson F, Pereira da Silva DR, Pesola AJ, Peterson N, Pettitt C, Pilutti L, Pinto Pereira S, Poitras V, Prince S, Rathod A, Rivière F, **Rosenkranz S**, Routhier F, Santos R, Smith B, Theou O, Tomasone J, Tucker P, Umstattd Meyer R, van der Ploeg H, Villalobos T, Viren T, Wallmann-Sperlich B, Wijndaele K, Wondergem R. Sedentary Behavior Research Network (SBRN) - Terminology Consensus Project. *Int J Behav Nutr Phys Act*. 2017 Jun 10;14(1):75. doi: 10.1186/s12966-017-0525-8. PubMed PMID: 28599680; PubMed Central PMCID: PMC5466781.
8. Guagliano JM, Updyke NJ, Rodicheva NV, **Rosenkranz SK**, Dzewaltowski DA, Schlechter CR, & Rosenkranz RR. Influence of Session Context on Physical Activity Levels Among Russian Girls During a Summer Camp. *Res Q Exerc Sport*. 2017 Sep;88(3):352-357. doi: 10.1080/02701367.2017.1331291. Epub 2017 Jun 16. PubMed PMID: 28622098.
  9. Rosenkranz RR, Rodicheva N, Updyke N, **Rosenkranz SK**, Dzewaltowski DA. Behaviorally oriented nutrition education intervention at a Russian summer camp for improving children's dietary choices: A quasi-experimental study. *Nutrire* (2017) 42: 18. <https://doi.org/10.1186/s41110-017-0044-z>
  10. Emerson SR, Kurti SP, Teeman CS, Emerson EM, Cull BJ, Haub MD and **Rosenkranz SK\***. Realistic Test-Meal Protocols Lead to Blunted Postprandial Lipemia but Similar Inflammatory Responses Compared to a Standard High-fat Meal. *Current Developments in Nutrition (in press, March 2017)*.
  11. Kurti S.P., Emerson S.R., Smith J.R., **Rosenkranz S.K.**, Alexander S.A., Lovoy G.M., Harms C.A. Post-prandial systemic 8-isoprostane increases after consumption of moderate and high-fat meals in insufficiently active males (accepted for publication at Nutrition Research February 2017).
  12. Sam R. Emerson, Stephanie P. Kurti, Craig A. Harms, Tonatiuh Melgarejo, Cindy Logan, and **Sara K. Rosenkranz\***. Magnitude and Timing of the Postprandial Inflammatory Response to a High-fat Meal in Healthy Adults: A Systematic Review. *Adv Nutr*. 2017 Mar 15;8(2):213-225. doi: 10.3945/an.116.014431. Print 2017 Mar. Review. PubMed PMID: 28298267; PubMed Central PMCID: PMC5347112.
  13. Kurti SP, **Rosenkranz SK**, Chapes SK, Teeman CS, Cull BJ, Emerson SR, Levitt MH, Smith JR, Harms CA. Does chronic physical activity level modify the airway inflammatory response to an acute bout of exercise in the postprandial period? *Appl Physiol Nutr Metab*. 2017 Feb;42(2):173-180. doi: 10.1139/apnm-2016-0335. PubMed PMID: 28121185.
  14. Teeman CS, Kurti SP, Cull BJ, Emerson SR, Haub MD, **Rosenkranz SK\***. Postprandial lipemic and inflammatory responses to high-fat meals: a review of the roles of acute and chronic exercise. *Nutr Metab (Lond)*. 2016 Nov 16;13:80. Review. PubMed PMID: 27891165; PubMed Central PMCID: PMC5112627.
  15. Emerson SR, Haub MD, Teeman CS, Kurti SP, **Rosenkranz SK\***. Summation of blood glucose and TAG to characterise the 'metabolic load index'. *Br J Nutr*. 2016 Nov;116(9):1553-1563. PubMed PMID: 27774915.
  16. Mailey, E. L., **Rosenkranz, S. K.**, Casey, K., & Swank A. Comparing the effects of two different break strategies on occupational sedentary behavior in a real world setting: A randomized trial. *Prev Med Rep*. 2016 Aug 9;4:423-8. doi: 10.1016/j.pmedr.2016.08.010. eCollection 2016 Dec. PubMed PMID: 27583200; PubMed Central PMCID: PMC4995540.
  17. Kurti SP, **Rosenkranz SK**, Emerson SR, Harms CA. (2016) Household Air Pollution Exposure and Influence of Lifestyle on Respiratory Health and Lung Function in Belizean Adults and

Children: A Field Study. *Int J Environ Res Public Health*. 2016 Jun 28; 13(7). pii: E643. doi: 10.3390/ijerph13070643. PubMed PMID: 27367712; PubMed Central PMCID: PMC4962184.

18. Emerson SR, Kurti S, Snyder B, Sitaraman K, Haub MD, **Rosenkranz SK\***. (2016) Effects of Thirty and Sixty Minutes of Moderate-intensity Aerobic Exercise on Postprandial Lipemia and Inflammation in Overweight Men: A Randomized Cross-over Study. *J Int Soc Sports Nutr*. 2016 Jun 29; 13:26. doi: 10.1186/s12970-016-0137-8. eCollection 2016. PubMed PMID: 27366132; PubMed Central PMCID: PMC4928275.
19. Cull BJ, Rosenkranz SK, Dzewaltowski DA, Teeman CS, Knutson CK, Rosenkranz RR. Wildcat wellness coaching feasibility trial: protocol for home-based health behavior mentoring in girls. *Pilot Feasibility Stud*. 2016 Jun 1; 2:26. eCollection 2016. PubMed PMID: 27965845; PubMed Central PMCID: PMC5154020.
20. Teeman CS, Kurti SP, Cull BJ, Emerson SR, Haub MD, **Rosenkranz SK\***. The effect of moderate intensity exercise in the postprandial period on the inflammatory response to a high-fat meal: an experimental study. *Nutr J*. 2016 Mar 8; 15(1):24. PMID: 26956025.
21. Johnson AM, Kurti SP, Smith JR, **Rosenkranz SK**, Harms CA. Effects of an acute bout of moderate-intensity exercise on postprandial lipemia and airway inflammation. *Appl Physiol Nutr Metab*. 2016 Mar; 41(3):284-91. doi: 10.1139/apnm-2015-0314. Epub 2015 Nov 17. PubMed PMID: 26872295.
22. Emerson SR, **Rosenkranz SK\***, Rosenkranz RR, Kurti SP, Harms CA. The potential link between sugar-sweetened beverage consumption and post-exercise airway narrowing across puberty: a longitudinal cohort study. *Public Health Nutr*. 2016 Sep; 19(13):2435-40. doi: 10.1017/S1368980015003109. Epub 2015 Oct 30. PubMed PMID: 26514591. **\*Corresponding author**
23. Cull BJ, Haub MD, Rosenkranz RR, Lawler T, **Rosenkranz SK\***. The Seated Inactivity Trial (SIT): Physical Activity and Dietary Outcomes Associated With 8 Weeks of Imposed Sedentary Time. *J Phys Act Health*. 2016 Mar; 13(3):249-56. doi: 10.1123/jpah.2015-0096. Epub 2015 Aug 13. PubMed PMID: 26284453.
24. **Rosenkranz S**, Wang S, Hu W. Motivating medical students to do research: a mixed methods study using Self-Determination Theory. *BMC Med Educ*. 2015 Jun 2; 15:95. doi: 10.1186/s12909-015-0379-1. PubMed PMID: 26032008; PubMed Central PMCID: PMC4486085.
25. Kurti SP, **Rosenkranz SK\***, Levitt M, Cull BJ, Teeman CS, Emerson SR, Harms CA. Does moderate intensity exercise attenuate the post-prandial lipemic and airway inflammatory response to a high-fat meal? *BioMed Research International*. *Biomed Res Int*. 2015; 2015:647952. doi: 10.1155/2015/647952. Epub 2015 Apr 27. PubMed PMID: 26000301; PubMed Central PMCID: PMC4427006. **\*Corresponding author**
26. Emerson SR, Kurti SP, **Rosenkranz SK**, Smith JR, Harms CA. (2014) The prevalence of expiratory flow limitation is lowered post- compared with pre-pubertal development. *Med Sci Sports Exerc*. 2015 Jul; 47(7):1503-11. doi: 10.1249/MSS.0000000000000566. PubMed PMID: 25380473.
27. Abbott P, **Rosenkranz S**, Hu W, Gunasekera H, and Reath J. Effectiveness of tympanometry and pneumatic otoscopy in general practitioner diagnosis and management of childhood ear disease. *BMC Family Practice*. 2014, 15:181. DOI: 10.1186/s12875-014-0181-x. Epub 2014 Dec 12.

28. Smith JR, **Rosenkranz SK**, Harms CA. Dysanapsis ratio as a predictor for expiratory flow limitation. *Respir Physiol Neurobiol.* 2014 Apr 13. pii: S1569-9048(14)00099-8. doi: 10.1016/j.resp.2014.04.001. [Epub ahead of print] PubMed PMID: 24726854
29. Ade CJ, **Rosenkranz SK**, Harms CA. The effects of short-term fish oil supplementation on pulmonary function and airway inflammation following a high-fat meal. *Eur J Appl Physiol.* 2014 Apr; 114(4):675-82. doi: 10.1007/s00421-013-2792-7. Epub 2013 Dec 25. PubMed PMID: 24368552.
30. Abbott, P., Reath, J., **Rosenkranz, S.**, Usherwood, T, and Hu, W. Increasing General Practitioner Supervisor research skills - enhancing clinical practice and teaching. *Australian Family Physician* 2014, May; 43(5): 327-30. PubMed PMID: 24791778.
31. Rosenkranz RR, Duncan MJ, **Rosenkranz SK**, & Kolt GS (2013). Active lifestyles related to excellent self-rated health and quality of life: Cross sectional findings from 194,545 participants in The 45 and Up Study. *BMC Public Health*, 13:1071. DOI: 10.1186/1471-2458-13-1071.
32. Rosenkranz, R.R., **Rosenkranz, S.K.**, & Neeson, K. Dietary factors associated with lifetime asthma or hay fever history in Australian middle-aged and older adults: a cross sectional study. *Nutr J.* 2012 Oct 12; 11:84. doi: 10.1186/1475-2891-11-84. PubMed PMID: 23057785; PubMed Central PMCID: PMC3544658.
33. Hastmann, T.J., Foster, K., Rosenkranz, R.R., **Rosenkranz, S.K.**, & Dzewaltowski, D.A. (2012). Influence of Adult Leader Participation on Physical Activity in Children. *Open Journal of Preventive Medicine*, 2(4):429-435. DOI:10.4236/ojpm.2012.24061.
34. **Rosenkranz S.**, Abbott P., Reath J., Gunasakera H, Hu, W. Promoting diagnostic accuracy in the GP management of otitis media in children: findings from a multimodal, interactive workshop on tympanometry and pneumatic otoscopy *Qual Prim Care* 2012, 20(4): 275-285. PubMed PMID: 23113912.
35. **Rosenkranz SK**, Rosenkranz RR, Hastmann TJ, Harms CA. High-intensity training improves airway responsiveness in inactive nonasthmatic children: evidence from a randomized controlled trial. *J Appl Physiol.* 2012 Apr; 112(7):1174-83. Epub 2012 Jan 12. PubMed PMID: 22241059.
36. Rosenkranz, R.R., **Rosenkranz, S.K.** & Weber, C. (2011). Validity of the Actical Accelerometer Step-Count Function in Children. *Pediatric Exercise Science*, 23(3):355-365. PubMed PMID: 21881156.
37. **Rosenkranz S.**, Swain K., Beckman B., & Harms C.A. Modifiable lifestyle factors impact airway health in non-asthmatic prepubescent boys but not girls. *Pediatr Pulmonol.* 2011 May; 46(5): 464-472. Epub 2010 Dec 30. PubMed PMID: 21194140.
38. Swain KE, **Rosenkranz SK**, Beckman B, Harms CA. Expiratory flow limitation during exercise in prepubescent boys and girls: prevalence and implications. *J Appl Physiol.* 2010 May; 108(5):1267-74. Epub 2010 Mar 4. PubMed PMID: 20203071.
39. **Rosenkranz SK**, Townsend DK, Steffens SE, Harms CA. Effects of a high-fat meal on pulmonary function in healthy subjects. *Eur J Appl Physiol.* 2010 Jun; 109(3):499-506. Epub 2010 Feb 18. PubMed PMID: 20165863.
40. Harms C.A., **Rosenkranz S.** Sex differences in pulmonary function during exercise. *Med Sci Sports Exerc.* Apr; 40(4):664-8, 2008. doi: 10.1249/MSS.0b013e3181621325. Review. PubMed PMID: 18317379.

41. Burke S.M., Carron A.V., Spink K.S., Estabrooks P.A., Hill J.L., Loughhead T.M., Patterson M.M. & **Rosenkranz S.** (2005). Cohesion as shared beliefs in exercise classes. *Small Group Research*, 36(3): 267-288. <https://doi.org/10.1177/1046496404267942>.
42. Estabrooks P.A., Munroe K.J., Fox E.H., Gyurcsik N.C., Hill J.L., Lyon R., **Rosenkranz S.**, Shannon V.R. (2004). Leadership in physical activity groups for older adults: A qualitative analysis. *J Aging Phys Act.* 2004 Jul; 12(3):232-45. PubMed PMID: 15263101.

### **PEER REVIEWED PUBLICATIONS IN REVIEW**

1. Kelsey Casey, Emily L. Mailey, Richard R. Rosenkranz, Aaron Swank, Elizabeth Ablah, & **Sara K. Rosenkranz\***. Does dietary intake change during an intervention to reduce sedentary behavior and cardiovascular disease risk? (revise and resubmit at BMC Nutrition).
2. Delimont N, Katz B, Fiorentino N, Kimmel K, Haub M, **Rosenkranz S**, Tomich J, Lindshield B. Salivary systatin SN binds to phytic acid and is a predictor of non-heme iron bioavailability with phytic acid supplementation. (under revision at Journal of Nutritional Science).
3. Sciarrillo Cristina M, **Rosenkranz Sara K**, Kurti Stephanie P, Emerson Emily M, Emerson Sam R. Postprandial inflammation in healthy adults that differ by age and physical activity level. (under review at Cytokine)
4. Ablah E, Mailey EL, Rosenkranz SK, Rosenkranz RR. Kansas Worksites Offer Few Supports to Reduce Occupational Sedentary Behavior. (under review at Preventing Chronic Disease).

### **PEER REVIEWED PUBLICATIONS IN PREPARATION**

1. JiYoung Kim, Emerson SR, **Rosenkranz SK**, Haub MD (in preparation). Chronic Physical Activity Does Not Impact Metabolic Response to Low or High Doses of Resistant Starch: A Crossover Trial. (submitted to J Korean Soc Food Sci Nutr)
2. Stephanie P Kurti; Joshua R Smith; **Sara K Rosenkranz**; Kayla Jurens; Anna Laughlin; Craig A Harms. Deep inspirations modify postprandial airway inflammation in non-asthmatic subjects: a randomized crossover study.
- **Sara K Rosenkranz**, Brooke J Cull, Richard R Rosenkranz, Thomas Lawler, Mark D. Haub, Craig A. Harms. The seated inactivity trial (S.I.T.): A randomized controlled trial of eight weeks of imposed sedentary time in healthy college-aged adults.
3. **Sara K Rosenkranz**, Brooke J Cull, Richard R Rosenkranz, Thomas Lawler, Mark D. Haub, Craig A. Harms. Associations between sedentary time and Depression, Anxiety, and Stress.
4. Cull BJ, Rosenkranz RR, & **Rosenkranz SK**. (in preparation) Impact of Online, Video-Based Wellness Training on Girl Scout Leaders' Wellness Promotion Self-Efficacy, Intention, and Knowledge: A Pilot Randomized Controlled Trial (*Health Educ Behav*).
5. Zivotic J, Rosenkranz SK, Rosenkranz RR. (in preparation). Weight loss management directions: which way do we go? (*Appetite*)

### **OTHER PUBLICATIONS AND PRESENTATIONS**

1. Rosenkranz, S., Hu, W. (2015) Promoting student research: using context and theory for curricular change. Letter to the Editor. *Academic Medicine*. (accepted for publication manuscript # AcadMed-D-15-00578)

2. Rosenkranz, S.K., Rosenkranz R.R., & Harms, C.A. (2011). Response to 11-0348. Invited letter. [Pediatric Pulmonology](#).
3. Rosenkranz, R.R., & Rosenkranz, S.K. (2013). The free-wheeling family: car-free in suburbia. Sustainable Living Magazine. <http://www.sustainablelivingmagazine.org/living-green/eco-transport>
4. Rosenkranz S. Physical activity, sedentary behavior, diet, and health: where do we stand? Invited International lecture at University of Western Sydney School of Medicine, Sydney, Australia, July 15<sup>th</sup>, 2014.
5. Abbott P, Reath J, Rosenkranz S Gunasekera H, and Hu W. Improving GP Treatment of Childhood Ear Disease: Effectiveness and acceptability of tympanometry and pneumatic otoscopy in general practitioner diagnosis and management of childhood ear disease. Published in the Partnership for Education, Evaluation, and Research Western Sydney (PEER-WS) Report: Growing Primary Health Care Research in Western Sydney. Developed by WentWest, Sydney, Australia, September, 2014.
6. Presentation at Mercy Regional Health Center- Desk Job Fitness- March 25<sup>th</sup>, 2015 with Emily Mailey, Richard Rosenkranz, Barbie Anderson, and Mary Sue Gray
7. Presentation at the Kansas APCO conference (Association of Public Safety Communications Officials) - Reducing sedentary behavior in the workplace- April 29<sup>th</sup>, 2015 with Emily Mailey
8. Presentation of a Session at the KPHA conference- Promoting Health for all Kansans- September 17<sup>th</sup>, 2015- with Emily Mailey, Brooke Cull, and Kelsey Jepson- Reducing Sedentary Behavior in the Workplace: implications for the health of all Kansans

## **PEER-REVIEWED PRESENTATIONS**

### **2018**

Casey K, **Rosenkranz SK**, Cull BJ, Rosenkranz RR. Is Parent–Child Connectedness Associated with Changes in Girls' Dietary Intake Behaviors? Abstract submitted for presentation at the American Society for Nutrition Scientific Sessions and Annual Meeting, June 9<sup>th</sup>-12<sup>th</sup>, 2018, Boston, MA, USA.

Joyce J, Cull BJ, Logan C, Rosenkranz RR, **Rosenkranz SK**. Development of Evidence-based School Lunch Best Practices: A Critical Review. Abstract submitted for presentation at the American Society for Nutrition Scientific Sessions and Annual Meeting, June 9<sup>th</sup>-12<sup>th</sup>, 2018, Boston, MA, USA.

Sciarrillo CA, **Rosenkranz SK**, Kurti SP, Emerson EM, Emerson SR. Postprandial Inflammation in Healthy Adults who Differ by Age and Physical Activity Level. Abstract submitted for presentation at the American Society for Nutrition Scientific Sessions and Annual Meeting, June 9<sup>th</sup>-12<sup>th</sup>, 2018, Boston, MA, USA.

Martinez O, Steele T, Emerson SR, Cull BJ, **Rosenkranz SK**. Effects of Sugar-Sweetened Beverages on Metabolic Syndrome Risk Factors. Abstract submitted for presentation at the American Society for Nutrition Scientific Sessions and Annual Meeting, June 9<sup>th</sup>-12<sup>th</sup>, 2018, Boston, MA, USA.

Rosenkranz RR, **Rosenkranz SK**. Physical Activity of Special Olympics Adult Athletes from 2015 World Games. Abstract submitted for presentation at the International Society of Behavioral Nutrition and Physical Activity Annual Conference, June 3<sup>rd</sup>-June 6<sup>th</sup>, 2018, Hong Kong, China.

Kurti SP, Allen JM, Abello J, Woods JA, **Rosenkranz SK**, Harms CA. The Impact of Physical Activity Level on the Oral Microbiome: A preliminary Cross-Sectional Investigation. Abstract submitted for



presentation at the American College of Sports Medicine Annual Conference, May 29<sup>th</sup>-June 2<sup>nd</sup>, 2018, Minneapolis, MN, USA.

## 2017

Jillian Joyce, Brooke Cull, Cindy Logan, **Sara Rosenkranz**, Richard Rosenkranz. Development of Evidence-based School Lunch Best Practices: A Critical Review. Paper accepted for poster presentation at Kansas State University, Research and the State Graduate Research Forum, November 9<sup>th</sup>, 2017, Manhattan, KS, USA.

**\*Award winning poster-selected for presentation at the State Capitol in Topeka, KS, February 2018**

Olivet Martinez, Sam R Emerson, Brooke J Cull, Stephanie P Kurti, Samantha Alexander, Garrett Lovoy, Vanessa-Rose Turpin, Jocelyn Hayes, **Sara Rosenkranz**. Effects of Sugar-Sweetened Beverages on Metabolic Syndrome Risk Factors and Insulin Sensitivity. Poster presented at the Developing Scholars Poster Session, April 9<sup>th</sup>, 2017, Kansas State University, Manhattan, KS, USA.

**\*1st year James R. Coffman Award of Excellence**

Bradyn S Nicholson, Jesse Stein, Brooke J Cull, Katie Heinrich, **Sara Rosenkranz**. The Feasibility and Acceptability of Using Sit-to-Stand Desks in a Self-Contained Classroom for Students with Emotional Disturbances: A Pilot Study. Poster presented at the Kansas State University Public Health Poster Session as part of National Public Health Week, April 6<sup>th</sup>, 2017, Manhattan, KS, USA.

**\*Winner of the Undergraduate Poster Award**

Sam R. Emerson, Stephanie P. Kurti, Craig A. Harms, Mark D. Haub, Tonatiuh Melgarejo, Cindy Logan, and **Sara K. Rosenkranz**. Characterizing the Inflammatory Response to a High-fat Meal in Healthy Adults: A Systematic Review. Poster accepted for presentation at the American Society for Nutrition Scientific Sessions and Annual Meeting, April 22<sup>nd</sup>-26<sup>th</sup>, 2017, Chicago, Illinois, USA.

Jillian Joyce and **Sara K Rosenkranz**, Variation in Nutritional Quality of School Lunches with Implementation of National School Lunch Program Guidelines. Submitted for poster presentation at the American Society for Nutrition Scientific Sessions and Annual Meeting, April 22<sup>nd</sup>-26<sup>th</sup>, 2017, Chicago, Illinois, USA.

Kurti, S.P., Emerson, S.R., **Rosenkranz, S.K.**, Baker, F.L., Smith, J.R., Harms, C.A. Habitual Physical Activity Level Modifies Lung Function, But Not 8-Isoprostane Generation, In Older Adults. Submitted to Experimental Biology Annual Meeting, April 22<sup>nd</sup>-26<sup>th</sup>, 2017, Chicago, Illinois, USA.

Sam R. Emerson<sup>1</sup>, Stephanie P. Kurti<sup>2</sup>, Emily M. Emerson<sup>1</sup>, Brooke J. Cull<sup>1</sup>, Kelsey Casey<sup>1</sup>, Alexander Fees<sup>1</sup>, Mark D. Haub<sup>1</sup>, and **Sara K. Rosenkranz**. Postprandial Triglyceride Responses in Younger versus Older Active Adults. Poster accepted for presentation at the American College of Sports Medicine Annual Conference, May 30<sup>th</sup>-June 3<sup>rd</sup>, 2017, Denver, Colorado, USA.

Stephanie P. Kurti, Sam R. Emerson, Joshua R. Smith, **Sara K. Rosenkranz**, Samantha A. Alexander, Garret Lovoy, Craig A. Harms, FACSM. Older women have higher airway 8-isoprostane responses to exhaustive exercise compared to older men. Submitted to the American College of Sports Medicine Annual Conference, May 30<sup>th</sup>-June 3<sup>rd</sup>, 2017, Denver, Colorado, USA.

**Sara K Rosenkranz**, Brooke J Cull, Richard R Rosenkranz, Thomas Lawler, Mark D. Haub. The seated inactivity trial (S.I.T.): A randomized controlled trial of eight weeks of imposed sedentary time in healthy college-aged adults. Accepted for oral presentation at the International Society of Behavioral Nutrition and Physical Activity Annual Conference, June 7<sup>th</sup>-10<sup>th</sup>, 2017, Vancouver, BC, Canada.

Brooke J Cull, **Sara K Rosenkranz**, Richard R Rosenkranz. Impact of Video-Based Wellness Training on Girl Scout Leader's Self-Efficacy, Intention, and Knowledge for Wellness-Promoting Opportunities. Short Oral Presentation at the International Society of Behavioral Nutrition and Physical Activity Annual Conference, June 7<sup>th</sup>-10<sup>th</sup>, 2017, Vancouver, BC, Canada. **AND** Brooke J Cull, **Sara K Rosenkranz**, Richard R Rosenkranz. Impact of Video-Based Wellness Training on Girl Scout Leader's Self-Efficacy, Intention, and Knowledge for Wellness-Promoting Opportunities. Poster presented at the Kansas State University Graduate Research Forum, March 30<sup>th</sup>, 2017, Manhattan, KS, USA.

Kelsey Casey, Brooke J. Cull, Richard R. Rosenkranz, **Sara K. Rosenkranz**. Is physical activity protective against potentially harmful psychological effects of imposed sedentary time in young adults? Poster presented at the International Society of Behavioral Nutrition and Physical Activity Annual Conference, June 7<sup>th</sup>-10<sup>th</sup>, 2017, Vancouver, BC, Canada.

Rosenkranz RR, Cull BJ, Knutson C, **Rosenkranz SK**, Dzewaltowski DA. Effectiveness Of In-Person And Online Leader Wellness Training For Implementation Of Wellness-Promoting Practices. Abstract accepted for poster presentation at the 2017 International Society of Behavioral Nutrition and Physical Activity annual conference, June 7<sup>th</sup>-10<sup>th</sup>, 2017, Victoria, Canada.

## 2016

Sam R. Emerson, Stephanie P. Kurti, Craig A. Harms, Mark D. Haub, Tonatiuh Melgarejo, Cindy Logan, and **Sara K. Rosenkranz**. Characterizing the Inflammatory Response to a High-fat Meal in Healthy Adults: A Systematic Review. Paper accepted for poster presentation at Kansas State University, Research and the State Graduate Research Forum, November 2<sup>nd</sup>, 2016, Manhattan, KS, USA.

**\*Award winning poster-selected for presentation at the State Capitol in Topeka, KS, February 2017**

Emily Mailey, **Sara Rosenkranz**, Kelsey Casey, Aaron Swank. Effects of an intervention to reduce sitting at work on energy, fatigue, and mood among sedentary female employees. Oral presentation at the International Society of Behavioral Nutrition and Physical Activity, June, 2016, Capetown, South Africa.

3. Cull, B, **Rosenkranz SK**, Knutson C, Dzewaltowski D, Rosenkranz R. Influence of On-site and Online Girl Scout Leader Wellness Training for Physical Activity in Troop Meetings, poster presented at the International Society of Behavioral Nutrition and Physical Activity, June, 2016, Capetown, South Africa.

Kelsey Casey, **Sara Rosenkranz**, Emily Mailey, Alyssa Baquero Garcia, Aaron Swank, Richard Rosenkranz. Changes in Intake of CVD-Related Food Components Associated with an Intervention to Reduce Sedentary Time. Poster presented at the American Society for Nutrition Scientific Sessions and Annual Meeting, April 2-6 2016, San Diego, CA.

Sam R. Emerson, Stephanie P. Kurti, Colby S. Teeman, Emily M. Emerson, Brooke J. Cull, Mark D. Haub, and **Sara K. Rosenkranz**. Size and Timing Matter: Differential Triglyceride Responses to Three Meal Conditions. Poster presented at the American Society for Nutrition Scientific Sessions and Annual Meeting, April 2-6 2016, San Diego, CA.

Colby S Teeman, Stephanie P Kurti, Brooke J Cull, Sam R Emerson, Mark D Haub, **Sara K Rosenkranz**. Does Moderate Intensity Exercise in the Postprandial Period Attenuate the Inflammatory Response to a High-Fat Meal? Poster presented at the American Society for Nutrition Scientific Sessions and Annual Meeting, April 2-6 2016, San Diego, CA.

Stephanie P. Kurti, Sam R. Emerson, **Sara. K Rosenkranz**, Colby S. Teeman, Emily M. Emerson, Brooke J. Cull, Joshua R. Smith, Craig A. Harms. Post-prandial exhaled 8-isoprostane responses to meals of varying caloric and fat content in non-asthmatic, insufficiently active men. Poster

presented at the American Society for Nutrition Scientific Sessions and Annual Meeting, April 2-6 2016, San Diego, CA.

Stephanie P. Kurti, Joshua R. Smith, **Sara K. Rosenkranz**, Kayla Jurrens, Anna Laughlin, Craig Harms. Deep Inspirations Attenuate Postprandial Airway Inflammation in Non-Asthmatic Adults: A Randomized Crossover Study. Abstract submitted to the 63<sup>rd</sup> Annual Meeting of the American College of Sports Medicine, May 31-June 4, 2016, Boston, MA, USA.

## 2015

**Sara Rosenkranz PhD**, Brooke Cull, MPH, Emily Mailey PhD, Kelsey Casey, BA. Reducing sedentary behavior in the workplace: implications for the health of all Kansans. Accepted for Oral Breakout Session at Kansas Public Health Association Conference, Manhattan, KS, September 17<sup>th</sup>, 2015.

Mailey E, **Rosenkranz S**, Swank A, Casey K. Comparative effectiveness of two intervention approaches for reducing sitting time at work: The Up4Health trial, abstract accepted for poster presentation at Taking a Stand: Sedentary Behavior and Health Conference, University of Illinois at Urbana-Champaign, October 15 – 17, 2015

Kurti SP, Smith JR, **Rosenkranz S**, Jurrens K, Laughlin A, Harms CA. Deep Inspirations do not Attenuate Postprandial Airway Inflammation in Non-Asthmatic Subjects With Normal Exhaled Nitric Oxide and Pulmonary Function: A Randomized Crossover Study. Abstract accepted for poster presentation A Central States Regional Chapter of the American College of Sports Medicine, October 15-16, Warrensburg, MO.

Jepson K, **Rosenkranz S**, Mailey E, Rosenkranz R. Reduced Sedentary Time and Associated Changes in Dietary Quality and Caloric Intake. Paper accepted for poster presentation at the 2015 American Society for Nutrition annual conference, March 28-April 1, 2015, Boston, MA, USA. **AND** Jepson K, **Rosenkranz S**, Mailey E, Rosenkranz R. Reduced Sedentary Time and Associated Changes in Dietary Quality and Caloric Intake. Paper accepted for poster presentation at the Kansas State University Graduate Research Forum, March, 2015, Manhattan, KS, USA.

Rodicheva NV, Updyke NJ, **Rosenkranz SK**, Dzewaltowski DA, & Rosenkranz RR. Effectiveness of behaviorally oriented nutrition education programs in Russian children. Paper accepted for poster presentation at the 2015 International Society of Behavioral Nutrition and Physical Activity annual conference. Glasgow, Scotland, UK.

Updyke NJ, Rodicheva NV, **Rosenkranz SK**, Dzewaltowski DA, & Rosenkranz RR. Increasing physical activity levels among girls in Russia: A cross-over trial. Paper accepted for poster presentation at the 2015 International Society of Behavioral Nutrition and Physical Activity annual conference. Glasgow, Scotland, UK.

Cull BJ, Rosenkranz RR, Haub MD, and **Rosenkranz SK**. The seated inactivity trial (S.I.T): Health outcomes associated with eight weeks of imposed sedentary behavior. Paper presented as poster presentation at the 62<sup>nd</sup> Annual Meeting of the American College of Sports Medicine, May 26-30, 2015, San Diego, CA, USA. **AND** Cull BJ, Rosenkranz RR, Haub MD, and **Rosenkranz SK**. The seated inactivity trial (S.I.T): Health outcomes associated with eight weeks of imposed sedentary behavior. Paper accepted for poster presentation at the Kansas State University Graduate Research Forum, March, 2015, Manhattan, KS, USA.

Emerson SR, **Rosenkranz SK**, Kurti SP, Rosenkranz RR, FACSM, and Harms, CA, FACSM. Is there a link between sugar-sweetened beverage consumption and exercise-induced bronchoconstriction across pubertal growth? Paper presented as poster presentation at the 62<sup>nd</sup> Annual Meeting of the American College of Sports Medicine, May 26-30, 2015, San Diego, CA, USA. **AND** Emerson SR, **Rosenkranz SK**, Kurti SP, Rosenkranz RR, FACSM, and Harms, CA, FACSM. Is there a link

between sugar-sweetened beverage consumption and post-exercise airway narrowing across puberty? Paper accepted for poster presentation at the Kansas State University Graduate Research Forum, March, 2015, Manhattan, KS, USA.

Kurti SP, **Rosenkranz SK**, Chapes SK, Levitt M, Cull BJ, Teeman CS, Klassen T, and Harms CA, FACSM. The effect of physical activity on post-prandial triglycerides and airway inflammation following a high-fat meal. Paper accepted for oral presentation at the 62<sup>nd</sup> Annual Meeting of the American College of Sports Medicine, May 26-30, 2015, San Diego, CA, USA.

Teeman CS, Cull BJ, Kurti SP, Emerson SR, Haub MD, and **Rosenkranz SK**. Does  $VO_{2peak}$  moderate the association between dietary fat intake and post-prandial fat oxidation? Paper submitted for poster presentation at the 62<sup>nd</sup> Annual Meeting of the American College of Sports Medicine, May 26-30, 2015, San Diego, CA, USA. **AND** Teeman CS, Cull BJ, Kurti SP, Emerson SR, Haub MD, and **Rosenkranz SK**. Does  $VO_{2peak}$  moderate the association between dietary fat intake and post-prandial fat oxidation? Paper accepted for poster presentation at the Kansas State University Graduate Research Forum, March, 2015, Manhattan, KS, USA.

## 2014

Kurti SP, **Rosenkranz SK**, Chapes SK, Cull BJ, Teeman CS, Emerson SR, and Harms CA. Does moderate intensity exercise attenuate the post-prandial lipemic and airway inflammatory response to a high-fat meal? Paper accepted for poster presentation at the Central States Regional Chapter of the American College of Sports Medicine Conference, Sept 15<sup>th</sup>, 2014, Kansas City, MO, USA.

**AND** Kurti SP, **Rosenkranz SK**, Chapes SK, Cull BJ, Teeman CS, Emerson SR, and Harms CA. Does moderate intensity exercise attenuate the post-prandial lipemic and airway inflammatory response to a high-fat meal? Paper accepted for poster presentation at the American College of Sports Medicine Integrative Physiology of Exercise conference, Sept 18<sup>th</sup>, 2014, Miami Beach, FL, USA

Emerson SR, Haub MD, Snyder BS, Kurti SP, and **Rosenkranz SK**. 60 minutes of moderate-intensity walking improves fasting insulin sensitivity in overweight non-diabetic men. Paper accepted for poster presentation at the Central States Regional Chapter of the American College of Sports Medicine Conference, Sept 15<sup>th</sup>, 2014, Kansas City, MO, USA. **AND** Emerson SR, Haub MD, Snyder BS, Kurti SP, and **Rosenkranz SK**. 60 minutes of moderate-intensity walking improves fasting insulin sensitivity in overweight non-diabetic men. Paper accepted for poster presentation at the American College of Sports Medicine Integrative Physiology of Exercise conference, Sept 18<sup>th</sup>, 2014, Miami Beach, FL, USA.

Teeman CS, Cull BJ, Kurti SP, Emerson SR, Haub MD, and **Rosenkranz SK**. Does  $VO_{2peak}$  moderate the association between dietary fat intake and post-prandial fat oxidation? Paper accepted for poster presentation at the Central States Regional Chapter of the American College of Sports Medicine Conference, Sept 15<sup>th</sup>, 2014, Kansas City, MO, USA.

Cull BJ, Rosenkranz RR, Haub M, Lawler T, & **Rosenkranz SK**. The Seated Inactivity Trial (S.I.T): Physical activity outcomes associated with eight weeks of imposed sedentary behavior. Paper accepted for poster presentation at the Kansas State University Graduate Research Forum, March, 2014, Manhattan, KS, USA.

Wynn C, Cull BJ, Rosenkranz RR, **Rosenkranz SK**. Imposed sedentary time and psychological health in young adults meeting physical activity guidelines: An experimental study. Poster presented for Developing Scholars Program 14<sup>th</sup> Annual Research Poster Symposium, April 2014, Manhattan, KS, USA.

Haub MD, **Rosenkranz SK**, Cull BJ, Rosette A. Protein supplements on delayed onset muscle soreness. Paper accepted for poster presentation at the 2014 Experimental Biology annual conference, April 2014, San Diego, CA, USA.

Rosenkranz RR, Cull BJ, **Rosenkranz SK**, Powell M, & Dzewaltowski DA. Wildcat Wellness Coaching Trial: Preliminary evaluation of a home-based, wellness coaching intervention on diet and body composition. Paper accepted for poster presentation at the 2014 International Society of Behavioral Nutrition and Physical Activity annual conference. San Diego, CA, USA.

**Rosenkranz SK**, Cull BJ, Lawler T, Mahmudiono T, & Rosenkranz RR. The Seated Inactivity Trial (S.I.T.): Dietary outcomes associated with eight weeks of imposed sedentary behavior. Paper accepted for poster presentation at the 2014 American College of Sports Medicine annual conference. Orlando, FL, USA.

Rosenkranz RR, Cull BJ, **Rosenkranz SK**, Powell M, Updyke N, Rodicheva N, Teeman C, & Dzewaltowski DA. Evaluation of a home-based, wellness coaching intervention to prevent childhood obesity in the community. Paper accepted for poster presentation at the 2014 American College of Sports Medicine annual conference. Orlando, FL, USA.

Emerson SR, Kurti S, **Rosenkranz SK**, Smith J, & Harms CA. Changes in Cardiopulmonary Function During Exercise From Pre- to Post- Puberty. Paper accepted for poster presentation at the 2014 American College of Sports Medicine annual conference. Orlando, FL, USA.

Cull BJ, Rosenkranz RR, Haub M, Lawler T, & **Rosenkranz SK**. The Seated Inactivity Trial (S.I.T): Physical activity outcomes associated with eight weeks of imposed sedentary behavior. Paper accepted for thematic poster presentation at the 2014 American College of Sports Medicine annual conference. Orlando, FL, USA.

Johnson AM, Kurti SP, Smith JR, **Rosenkranz SK**, Harms, CA. Effects of an Acute Bout of Moderate Intensity Exercise on Airway Inflammation and Postprandial Lipemia. Paper accepted for thematic poster presentation at the 2014 American College of Sports Medicine annual conference. Orlando, FL, USA.

Kurti S, Kurti A, **Rosenkranz S**, Emerson SR, Harms CA (October 2013). The Effect of Indoor Air Pollutants on Lung Health and Reported Symptoms among Rural Belizean Adults. Paper accepted for oral presentation for the Unite for Sight Global Health Conference April 12-13, 2014, New Haven, CT.

## 2013

Emerson SR, Kurti S, **Rosenkranz SK**, Smith J, & Harms CA (Sept 2013). Changes in Cardiopulmonary Function During Exercise From Pre- to Post- Puberty. Accepted for oral presentation at the Central States Regional Chapter of the American College of Sports Medicine Conference, \* MS Student Award winning submission, October 17-18, 2013, Warrensburg, MO.

Reath J, Gunasekera H, Abbott P, **Rosenkranz S**, Hu W. (June 13-16<sup>th</sup>, 2013). Improving diagnosis of otitis media in the Australian primary care setting -acceptability and impact of tympanometry and pneumatic otoscopy. Paper accepted for oral presentation at the 2013 7<sup>th</sup> Extraordinary International Symposium on Recent Advances in Otitis Media, Stockholm, Sweden.

Abbott P, **Rosenkranz S**, Reath J, Gunasekera H, Hu W. (October 17-19<sup>th</sup>, 2013). Use of pneumatic otoscopy and tympanometry in diagnosis of middle ear disease: The GP perspective. Paper accepted for oral presentation at the 2013 Royal Australian College of General Practitioners Annual Conference, Darwin, Australia. \*Abstract Nominated for the Peter Mudge Medal

**Rosenkranz, S.K.**, Castinado K.M., Harms, C.A. (May 2013). Post-exercise bronchoconstriction and ventilatory limitation in pre-adolescent children. Paper accepted for poster presentation at the 2013 American College of Sports Medicine Annual Conference. Indianapolis, IN, USA.

## 2012

**Rosenkranz, S.K.**, Rosenkranz, R.R., Hastmann, T.J., & Harms, C.A. Reliability and validity of a self-report scale of sedentary time in children. Paper accepted for poster presentation at the 2012 American College of Sports Medicine Annual Conference. San Francisco, CA, USA.

Abbott P, **Rosenkranz S**, Reath J, Gunasekera H. Improving the GP diagnosis of otitis media- the acceptability and impact of tympanometry and pneumatic otoscopy. Paper accepted for oral presentation at the 2012 Primary Health Care Research Conference, Canberra, ACT, Australia.

Rosenkranz R.R., **Rosenkranz S.K.**, Duncan M.J. & Kolt, G.S. The influence of physical activity and sitting time on health and quality of life: results from The 45 and Up Study. Paper submitted and accepted as poster presentation at the 2012 International Congress on Physical Activity and Public Health. Sydney, NSW, Australia.

## 2011

Hu W, Bialcerkowski A, Bye R, **Rosenkranz S**, Salamonson Y, Zakrzewski L. Using video ethnography to analyse workplace assessments of clinical competence Paper accepted for oral presentation at the Medical Education Excellence (MedEx) Conference September 30th; Campbelltown, NSW, Australia.

**Rosenkranz, S.K.**, Rosenkranz, R.R., Hastmann, T.J., & Harms, C.A. Reliability and validity of a self-report scale of sedentary time in children. (2011) Paper accepted for poster presentation at the Australian Conference of Science and Medicine in Sport. Freemantle, WA, Australia. 43:5, Suppl. Published abstract in Journal of Science and Medicine in Sport,

Abbott P, Reath J, Usherwood T, **Rosenkranz S**, Hu W, Thornton C. Building the research capacity of GP Supervisors – the western Sydney approach. Paper accepted for oral presentation at the General Practice Education and Training Convention 2011 September 7-8; Canberra, ACT, Australia.

Abbott P, **Rosenkranz SK**, Reath J. Promoting diagnostic accuracy in the GP management of otitis media in children. Poster presented at: The Primary Health Care Research Conference; 2011 July 13-15; Brisbane, Australia.

Reath J, Abbott P, Hu W, **Rosenkranz SK**. Beyond PHCRED: alternatives for building research capacity. Poster presented at: The Primary Health Care Research Conference; 2011 July 13-15; Brisbane, Australia.

Hu W, Reath J, Abbott P, **Rosenkranz SK**, Mazzotta S, Tan L, Thornton C, Collins, N. Many heads are better than one: multimodal evaluation of a medical student primary care conference. Poster presented at: The Primary Health Care Research Conference; 2011 July 13-15; Brisbane, Australia.

**Rosenkranz, S.K.**, Rosenkranz, R.R., Hastmann, T.J., & Harms, C.A. High-Intensity Interval Training Improves Airway Health in Inactive Non-asthmatic Children. (2011) Paper accepted for poster presentation at the American College of Sports Medicine Annual Conference. Denver, CO, USA.

C.J Ade, **SK Rosenkranz**, C.A. Harms. Fish oil supplementation protects against airway inflammation following a high fat meal. American College of Sports Medicine. Denver. June 2011

C.J. Ade, **SK Rosenkranz**, C.A. Harms. An anti-inflammatory role for fish oil supplementation. Experimental Biology. Washington DC. April 2010

## 2010

Rosenkranz, R.R., Weber, C., & **Rosenkranz, S.K.** Validity of the Actigraph Accelerometer Step Count Function in Children. (2010) Paper accepted for poster presentation at the Asics Conference

of Science & Medicine in Sport. Port Douglas, QLD, Australia. Published abstract in Journal of Science and Medicine in Sport, 13:1, e97-98.

Rosenkranz, R.R., **Rosenkranz, S.K.**, & Weber, C. Validity of the Actical Accelerometer Step Count Function in Children. (2010) Paper accepted for poster presentation at the Asics Conference of Science & Medicine in Sport. Port Douglas, QLD, Australia. Published abstract in Journal of Science and Medicine in Sport, 13:1, e97.

## **2009**

**Rosenkranz S.**, Swain K., Beckman B., & Harms C.A. (2009). Body composition and physical activity status impact airway health in non-asthmatic prepubescent children, American College of Sports Medicine International Conference Oral Presentation and Published Abstract, Seattle, WA. Suppl. Vol. 41, No. 5, S32.

Hastmann TJ, Foster KE, Rosenkranz RR, **Rosenkranz S**, & Dzewaltowski, D (2009). Effect of Adult Leader Participation on physical activity in children, American College of Sports Medicine International Conference Poster Presentation and Published Abstract, Seattle, WA. Suppl. Vol. 41, No. 5, S526.

## **2008**

**Rosenkranz, S.**, Swain, K., Beckman B., & Harms CA (2008). Body composition and physical activity status impact airway health in non-asthmatic prepubescent children. (Doctoral Student Award Winner) Central States Chapter American College of Sports Medicine. Kansas City, MO.

Swain, K.E., **S. K. Rosenkranz**, B. Beckman, C.A. Harms. Pulmonary Limitations During Incremental Exercise in Healthy Prepubescent Trained Boys. American College of Sports Medicine International Conference. Indianapolis, IN.

## **2007**

Swain, K., A. Adams, **S. Rosenkranz**, C.A. Harms\_ Bronchodilatory effects on airway smooth muscle in sedentary vs active healthy subjects. American College of Sports Medicine International Conference. New Orleans, LA.

**Rosenkranz, S.K.**, D.K. Townsend, S.E. Steffens, J. Wright, C.A. Harms. Effects of a high fat meal on pulmonary function in healthy subjects. American College of Sports Medicine International Conference. New Orleans, LA.

Adams, A., K. Swain, **S. Rosenkranz**, C. A. Harms. The effect of chronic endurance exercise on airway hyper-reactivity in healthy subjects. Central States Chapter American College of Sports Medicine. American College of Sports Medicine International Conference. New Orleans, LA.

## **2006**

**Rosenkranz, S.K.**, D.K. Townsend, S.E. Steffens, J. Wright, C.A. Harms. Effects of a high fat meal on pulmonary function in healthy subjects. (Doctoral Student Award Winner) Central States Chapter American College of Sports Medicine. Kansas City, MO.

Adams, A., K. Swain, **S. Rosenkranz**, C. A. Harms. The effect of chronic endurance exercise on airway hyper-reactivity in healthy subjects. Central States Chapter American College of Sports Medicine. Kansas City, MO.

## **2005 and Prior**

Burke, S., Carron, A., Spink, K.S., Estabrooks, P., Hill, J., Loughead, T., & **Rosenkranz, S.** (2003). An Examination of Shared Beliefs in Exercise Classes. NASPSPA Conference, Savannah.

Burke, S., Carron, A., Spink, K.S., Estabrooks, P., Hill, J., Loughhead, T., Patterson, M., & **Rosenkranz, S.** (2003). The Level of Consensus for Cohesion in "Younger" and "Older" Exercise Classes. SCAPPS Conference, Hamilton.

Burke, S.M., Carron, A.V., Loughhead, T.M., Spink, K.S., Estabrooks, P.A., Hill, J.L., & **Rosenkranz, S.** (2003). An Examination of Changes in Consensus about Cohesiveness over Time in Exercise Classes. AAASP Conference, Philadelphia.

Colombo, J., Ryther, J. S., Frick, J. E., Gifford, J. J., & **Coleman, S.** (1994). Evidence for Preattentive Search in Young Infants: Visual Popout in 3- and 4-Month-Olds. Poster presented at the International Conference of Infant Studies, Paris, France.

## **RESEARCH GRANTS & FUNDING**

### **Proposals Funded**

#### **2017**

Shi, Yong-Cheng; Haub, Mark; **Rosenkranz, Sara**; Hamaker, Bruce. Developing Novel Starch-based Ingredients and Understanding Relationship between Structure and Digestibility of Starch. Submitted to United States Department of Agriculture; AFRI Foundational Program Improving Food Quality. Submitted 6 June 2017 for \$499,984 for 3 years. Role: Co-Investigator. (Grant 12446901, 2017-07680). Role: Co-PI

**Rosenkranz SK** and Joyce JM. Community Outreach for Best Practice School Lunches. Stowe Faculty Development Award (Spring 2017, \$3,375 requested). Role: PI.

**Rosenkranz SK** and Haub MD. MGP Ingredients Metabolic Responses of Resistant Starch versus Native Wheat Starch. (\$19,650) Role: Co-PI

Specific Aims: To determine the glycemic and insulinemic effect of resistant starch compared with native wheat starch. Secondary aims are to determine differential impact based on standardized doses versus typically packaged doses of available carbohydrate

**Rosenkranz SK** and Haub MD. Isagenix International, LLC Determining the impact of Meal Replacement Products on Human Blood Glucose Levels. (May 2017 \$2750) Role: Co-PI

Specific Aims: To determine the glycemic effect of various nutritional products using 2-hour post-prandial glycemic index methods.

**Rosenkranz SK.** Isagenix International, LLC Determining the impact of Meal Replacement Products on Human Blood Glucose Levels. (September 2017 \$3,325) Role: PI

Specific Aims: To determine the glycemic effect of various nutritional products using 2-hour post-prandial glycemic index methods.

**Rosenkranz SK.** Proposal for the ADVANCE Distinguished Lecture Series through the Office for the Advancement of Women in Science and Engineering. Submitted March 2017 (\$1200 funded).

Grant used to establish collaboration with Kevin Hall, NIH NIDDK scientist.

The Flint Hills Wellness Coalition (FHWC) with Riley County Partners. Mulcahy E, Irwin B, Priest K, **Rosenkranz SK**, Schenck-Hamlin D. Submitted to the Kansas Health Foundation. Kansas Community Initiative: Improving Health Equity in Kansas Request for Proposals (RFP). Requested \$262,500 for 3.5 years. **Role: Contributor.** Contributed to writing the grant as well as another grant with this group. Ongoing participation with the project.

#### **2016**



**Rosenkranz SK**, Emerson SR. Is there an angiogenic response following consumption of a single high-fat meal? Submitted October 3<sup>rd</sup>, 2016 as a Kansas State University Small Research Grant plus Departmental match from Dept of Food, Nutrition, Dietetics and Health, \$3647.36. Role: PI

**Rosenkranz SK** & Rosenkranz RR. Enhanced Health Promotion in Girl Scouts Through Video-based Leader Wellness Training. College of Human Ecology: Harold and Letha Reser Family and Community Innovation Award, Spring 2016. (\$19,840 awarded). Role: PI

The goal of this project is to test an intervention that develops Girl Scout leaders as positive wellness role models and to improve girls' opportunities for physical activity and healthful snacking within the Girl Scout setting. The project will evaluate the impact of a video-based Girl Scout leader wellness training on the capacity of leaders to provide healthful, positive experiences for girls, and evaluate the impact on healthful opportunities of troop meetings and events.

Delimont N., Lindshield B, Haub MD, **Rosenkranz SK**. Food Inhibitors and Iron Absorption: Adaptability of iron availability with food inhibitors over time. American Association of Nurse Practitioners (\$2500 requested, funded May 11, 2016). Role: Co-Investigator

## 2015

**Rosenkranz SK** & Haub MD (Spring 2015). Do alterations in meal size and frequency affect postprandial lipemia and inflammation? Submitted April 2015 as a College of Human Ecology SRO Grant, \$5,000 requested. (\$5000 awarded).

Rosenkranz R., **Rosenkranz S.**, Cull B. Cancer Prevention Behaviors in Girl Scouts: A Feasibility Study, Johnson Cancer Research Center Innovative Research Award (Fall 2015) for January 2016 to December 2017 period, (\$5518 awarded).

## 2014

Rosenkranz RR, Dzewaltowski DA, **Rosenkranz SK**. Girl Scouts Wellness Policy to Practice. Proposal submitted to Kansas Health Foundation Healthy Living Grants funding mechanism (April 2014). The goal of this grant is to assess the physical activity and nutrition environment in Girl Scout troops in NE Kansas. Following a series of observations and a brief intervention, changes in the physical activity and nutrition environment will be assessed. (\$98,505 funded)  
Role: Co-Investigator.

**Rosenkranz S** (2014). Grant Proposal to support the creation of a new distance undergraduate Research Methods course (HN 570?) in Human Nutrition and Dietetics. Submitted as a Distance Learning Proposal to the Kansas State University Division of Continuing Education. Submitted on March 30<sup>th</sup>, 2014. (\$6,300.00 awarded.)

Rosenkranz R, **Rosenkranz S**. University Academic Excellence Grant. Support for Graduate Students to attend and Present at American College of Sports Medicine Conference May 2014. (\$2420 awarded).

## 2013

**Rosenkranz S**, Harms CA (October 2013). University Academic Excellence Grant (\$4839 funded). To support the purchase of a portable exhaled nitric oxide analyzer and Sigmaplot statistical software for use at the PAN-CRC.

Mailey EL & **Rosenkranz S** (October 2013). University Small Research Grant, Kansas State University. An intervention to reduce sitting time at work: Effects on metabolic syndrome and adherence (\$2,720)

**Rosenkranz S**, Haub MD, Harms CA, Rosenkranz R (Spring 2013). The interaction of physical activity and diet: post-prandial triglyceride and inflammatory responses following a high-fat meal.

Submitted April 2013 as a College of Human Ecology SRO Grant, \$2,594 requested. (\$2594 received).

Haub M, **Rosenkranz S**, Wong B (January 2013). Academic Excellence Grant (\$4500 requested and awarded). To support purchase of two iMac computer stations with statistical and diet analysis software and an Apple Mac-mini presentation cart.

## 2012

Haub MD and **Rosenkranz SK** (2012). Resistant Starch on Fermentation, Satiety and Insulin Sensitivity. Penford Foods, Inc. (\$26,255 funded, role: CI)

Haub MD and **Rosenkranz SK** (2012). Wheat Protein as an Ergogenic and Recovery Aid, MGP Ingredients, (\$36,260 funded, role: CI)

Rosenkranz, R.R., **Rosenkranz, S.K.**, Dzewaltowski, D.A. (2012). Evaluation of a home-based, health coaching program to prevent childhood obesity in the community. Submitted as a College of Human Ecology SRO award proposal at Kansas State University on April 16<sup>th</sup>, 2012. \$4979.00 requested (\$2500 funded).

Haub M and **Rosenkranz S** (2012). Grant Proposal to support the creation of a new distance undergraduate program in Human Nutrition. Submitted as a Distance Learning Proposal to the Kansas State University Division of Continuing Education. Submitted on March 30<sup>th</sup>, 2012. \$10,125 requested (full amount funded, July 1, 2012).

## 2011

Abbott P., **Rosenkranz S.**, Reath J., & Gunasekera H. 2011. Acceptability and effectiveness of pneumatic otoscopy and tympanograms in the GP diagnosis of otitis media in children under 5 years. "The GP diagnosis of otitis media project". UWS School of Medicine internal equipment grant. Funded \$21,400.00.

## 2010

Reath J., Dadich A., Abbott P., **Rosenkranz S.**, Hu W., Usherwood T., Kang M. Process and an impact evaluation of resources and training programs developed in the NSW STI Programs Unit. Submission Funded October 22<sup>nd</sup>, 2010 by NSW STI Programs Unit, \$132,000. Role: Co-Investigator

Hu, W., **Rosenkranz, S.**, Bialocerkowski, A., Salamonson, Y., Bye, R., Zakrzewski, L. (2010). Interprofessional Assessment of Clinical Skills: Comparing Expert Judgements from Medicine, Nursing, Physiotherapy and Occupational Therapy. Research Seed Grant Scheme, University of Western Sydney, Campbelltown, NSW. \$6,775 funded.

## 2009 and Prior

Harms, C., **Rosenkranz, S.** (2006). Effects of a High-Fat Meal on Pulmonary Function in Healthy Subjects. University Small Research Grant, Kansas State University, Manhattan, KS. \$9,000 funded.

## Proposals Pending

### 2017

Shi, Yong-Cheng; Haub, Mark; **Rosenkranz, Sara**; Lattimer, James. Graduate Training to Link Cereal Science and Human Nutrition. Submitted to United States Department of Agriculture; Higher Education Graduate Fellowships Grant Program Addressing National Needs in the Economics of Food Security Through Animal Health and Biosecurity. \$241,000 for 4 years. Role: Co-Investigator.

Mailey, E. L., Ablah, E., **Rosenkranz, S.**, Rosenkranz, R., & He, J. Population Health Interventions: Integrating Individual and Group Level Evidence (R01), National Institutes of Health. Project title:

Stand up for health: A multilevel intervention to reduce sitting time in workplaces. Submitted October 2017. (\$3,445,356) Role: Co-Investigator

### **Proposals Not funded**

#### **2017**

Rosenkranz RR (PI) United States Department of Agriculture; AFRI Childhood Obesity Prevention. Development and Delivery of 4-H Leader Wellness Training: Focusing on the 4th H. Submitted 28 June 2017 for \$1.4M in total costs. Role: Co- Investigator. (High Priority, 8<sup>th</sup>-19<sup>th</sup> percentile)

Ade C (PI) Integrative Approaches to Combat Microgravity Induced Muscle Loss in Humans. LOI Submitted to National Aeronautics and Space Administration (NASA) Translational Research Institute (TRI) Research Topics. \$400,000 per year for 3 years. Invited for full proposal. Role: Co-Investigator. (Merit Score: 80)

Flint Hills Wellness Coalition (FHWC) Pathways to a Healthy Kansas. Submitted to BlueCross and BlueShield of Kansas with community partners. Hettinger J, Mulcahy E, Irwin B, Priest K, **Rosenkranz SK**, Schenck-Hamlin D. Requested \$300,000 for 3 years. Role: Contributor.

**Rosenkranz SK** and Cull BJ. Increasing Opportunities and Promoting Health Equity Through Video-Based Wellness Training in Girl Scouts. LOI Submitted to Robert Wood Johnson Foundation Policies for Action: Policy and Law Research to Build a Culture of Health. (\$250,000 for 24 months, not funded).

Joyce JM and **Rosenkranz SK**. Acceptability and Feasibility of Best Practice School Lunches: A Randomized Crossover Trial. Submitted to the Academy of Nutrition and Dietetics Foundation-Jean Hankin Doctoral Student Research Grant. (\$18,785 requested).

#### **2016**

Mailey EL (PI) National Institutes of Health (AREA-R15). Stand UP for Health: A Multilevel Intervention to Reduce Sitting Time in Workplaces. Submitted 28 October 2016 for \$450,298 in total costs. Role: Investigator.

**Rosenkranz SK**, Rosenkranz RR, Joyce Jillian. Disparities in Dietary Quality of Meals Provided in Elementary Schools. Submitted to the Robert Wood Johnson Foundation under the Healthy Eating Research Round 10 Funding Mechanism, August 2<sup>nd</sup>, 2016 (\$190,000 requested). Role: PI

Mailey, E. L., **Rosenkranz, S.**, Rosenkranz, R., & Hsu, W. Scientist Development Grant, American Heart Association, July 2016-June 2019. Project title: *Stand up for health: An intervention to reduce occupational sitting time and cardiovascular disease risk*. (\$231,000). Priority score: 1.69 (16.2%).

**Rosenkranz SK**, Nicholson B. The Impact of Sit-to-Stand Desks in an Elementary School Classroom: A Controlled Trial. Submitted to Experiment.com for crowdfunding. (requested \$6781).

**Rosenkranz SK**. Dean Barbara S. Sit-to-Stand Desk Trial in an Elementary School Classroom: Evaluating Acceptability, Physical Activity, Classroom Behavior and Academic Performance. Stowe Faculty Development Award (Spring 2016, \$4,921 requested).

Mailey EL, **Rosenkranz SK**, Ablah E, Rosenkranz RR. Stand up for health: An intervention to reduce occupational sitting time. LOI Submitted to the Robert Wood Johnson Foundation under the Call for Proposals (CFP) issued by the Evidence for Action: Investigator-Initiated Research to Build a Culture of Health Open Call for Proposals program. (August 2016). Role: Co-PI

#### **2015**

Mailey, E. L., **Rosenkranz, S.**, Rosenkranz, R., & Hsu, W. Scientist Development Grant, American Heart Association. Project title: *Stand up for health: An intervention to reduce*

*occupational sitting time and cardiovascular disease risk*. Resubmitted July 2015. (\$308,000).  
Priority score: 2.04 (37.9%)

**Rosenkranz S**, Cull B, Rosenkranz R. Influence of On-site and Online Girl Scout Leader Training on Physical Activity. Submitted to the Prevent Cancer Foundation (August, 2015). Requested \$79,966 (not funded).

**Rosenkranz, SK** & Haub, MD. (2015) Sedentary behavior: Acute effects on cardiovascular disease outcomes. Submitted to American Heart Association Midwest Affiliate under NCRP Winter 2015 Scientist Development Grant, Jan 14<sup>th</sup>, 2015 and to National Center, Rosenkranz, SK, Haub, MD, and Mailey, EL. Jan 22<sup>nd</sup>, 2015. Requested \$214,440 for Midwest Affiliate and \$307,389 for National Center (not funded).

Mailey, E. L., **Rosenkranz, S.**, Rosenkranz, R., & Hsu, W. Scientist Development Grant, American Heart Association. Project title: *Stand up for health: An intervention to reduce occupational sitting time and cardiovascular disease risk*. Submitted January 2015. (\$214,500).  
Priority score: 2.43 (36.2%)

#### 2014

Mailey, E. L., **Rosenkranz, S.**, Rosenkranz, R., & Irwin, B. C. Kansas Health Foundation Healthy Living Grants. Project title: *Kansas Stands Up: A campaign to reduce sitting time in the workplace*. Submitted March 2014. (\$99,928)

**Rosenkranz, S.K.**, Lindshield, B.L., Haub, M.D. Whole egg consumption, carotenoids, and cardio-metabolic health in young adults. Proposal following original letter of intent for Egg Nutrition Center/American Egg Board. (Submitted April 1st, 2014; \$178, 776). Role: Primary Investigator.

#### 2013

Haub MD, Jumpponen A, **Rosenkranz SK**. Effects of Whole Wheat and Gluten-Free Diets on Gut Microbiota, Metabolic Health, and Diet Adherence. Submitted February 1<sup>st</sup>, 2013, Kansas Wheat Commission (\$94,232, not funded).

Haub MD, Jumpponen A., Shi, Y., and **Rosenkranz SK**. Whole Grains, Resistant Starch, and Energy Restriction on Gut Microbiota and Metabolic Health in Overweight and Obese Humans. USDA AFRI submitted February 6<sup>th</sup>, 2013 (\$488,628 not funded, High Priority: 8<sup>th</sup>-21<sup>st</sup> percentile).

Mailey, E. L., **Rosenkranz, S.**, Rosenkranz, R., & Irwin, B. C. Kansas Health Foundation Recognition Grant. Project title: *Up4Health: A program to reduce sitting time in the workplace*. Submitted September 2013. (\$24,504)

Mailey, E. L., & **Rosenkranz, S**. College of Human Ecology Sponsored Research Overhead Grant Fund. Project title: *An intervention to reduce sitting time at work: Effects on metabolic syndrome and adherence*. Submitted April 2013. (\$4,480)

**Rosenkranz, S.K.**, Lindshield, B.L., Haub, M.D., Rosenkranz, R.R. Egg Consumption Cardio-metabolic Health and Satiety in Overweight and Obese Children. Letter of intent for Egg Nutrition Center/American Egg Board. (Letter of Intent Submitted 31 December, 2012 for \$134,000). Role: Primary Investigator.

**Rosenkranz, S.K.**, Lindshield, B.L., Haub, M.D., Rosenkranz, R.R. Short term egg consumption cardio-metabolic health, and carotenoids in young adults: a pilot study. Proposal following original letter of intent for Egg Nutrition Center/American Egg Board. (Submitted April 5<sup>th</sup>, 2013 for \$54,065). Role: Primary Investigator.

#### 2012

**Rosenkranz S**, Haub MD, Harms CA, Rosenkranz R (Fall 2012). The interaction of physical activity and diet: post-prandial triglyceride and inflammatory responses following a high-fat meal. Submitted October 1<sup>st</sup>, 2012 as a Kansas State University Small Research Grant, \$6,678.42.

Rosenkranz R, **Rosenkranz SK**. Evaluation of a home-based wellness coaching intervention to prevent childhood obesity in the community. Submitted to the Allen Foundation. (Dec 2012, \$29,891).

**Rosenkranz SK**, Rosenkranz R, Lindshield BL, Haub MD. Fruit and Vegetable Consumption and Pulmonary and Metabolic Health Outcomes in Children. Submitted to the Allen Foundation (Dec 2012, \$43,122).

Wong B, Rosenkranz SK, Barstow T. Vascular Function in Human Obesity. Submitted to the American Diabetes Association (June 2012, \$581,287).

## **2011**

Kolt, G.S., **Rosenkranz, S.K.**, Thornton, C., Schmied, V., Dahlen, H., & Rosenkranz, R.R. Physical Activity for Prevention of Antenatal and Postnatal Depression. 2011 beyondblue National Priority Driven Research Program. (Submission not funded- \$388,040). Role: Senior Investigator.

## **TEACHING EXPERIENCE**

- Basic Nutrition-HN132 every semester for approximately 400 students per semester, Spring 2012-Spring 2014
- Nutrition and Exercise-HN635 Fall 2012, 2013, 2014, 2015, 2016, 2017
  - As of 2016, this course was taught separately from Kinesiology 635
  - An elective upper level undergraduate course and elective graduate course. Covers the inter-relationships among diet, nutrition, and exercise. The approach is a practical and applied study of nutrition for sport and exercise. Critical appraisal of current topics is a key component of the course along with an exploration of widely held myths related to the field of sports nutrition. Also covers weight control, nutrient metabolism during exercise, and athletic performance.
- Introduction to Research in Dietetics Practice FNDH 570 (also taught as Top/Human Nutrition: Research Methods in Nutrition and Dietetics FNDH 599)
  - Online-Spring 2016, Summer 2016, Spring 2017
  - On campus-Spring 2016, Fall 2016, Spring 2017, Fall 2017
  - A required course for dietetics students and elective for others. Students in this course examine the role and importance of the scientific method in health professions with a focus on nutrition and dietetics. The course outlines the research methods used to acquire knowledge in health-related professions. The rationale and role of evidence-based practice and research is explored, and students are introduced to research language and core concepts. Skills are developed for asking clinical or professional questions and how to translate these questions into search strategies for finding evidence.
- Instructor and Lab Technician, Kansas State University, Department of Kinesiology, 2005-2007
- Taught courses for Department of Kinesiology and supervised lab instructors
- Kinesiology 625- Exercise Testing and Prescription Spring 2005, Spring 2006, Spring 2007
- Kinesiology 520- Practicum in Exercise Science Spring 2005, Fall 2005, Spring 2006, Fall 2006, Spring 2007
- Kinesiology 220- Biobehavioral Bases of Exercise Summer 2007- taught course and lab

Presenter and Curriculum Development, USA Triathlon Certification Clinics, USA Triathlon, Clermont, FL, 2002-2003, developed courses, created and graded certification examinations.

Graduate Teaching Assistant, Kansas State University, Manhattan, 1999-2000, taught weight training, jogging, aerobics, and fitness and conditioning classes.

Graduate Teaching Assistant, University of Kansas, Lawrence, 1994, Guest lecturing, grading, attendance, Dr. David Holmes, Dr. Annette Stanton, Department of Psychology.

## **STUDENT SUPERVISORY EXPERIENCE**

### **Major Professor/Major Advisor:**

- Major Advisor, MPH Nutrition, Department of Food, Nutrition, Dietetics and Health
  - Bridget Byquist, August 2012-graduated May 2017
- Major Professor, M.S. Human Nutrition, Department of Food, Nutrition, Dietetics and Health
  - Colby Teeman, August 2013-graduated May 2015
  - Kelsey Jepson, August 2013-graduated May 2016
  - Katherine Moore, GP IDEA (Dietetics), January 2018-present
  - Lacey Harter, GP IDEA (Dietetics), January 2018-present
  - Kacie Mallon, Online Nutrition, Dietetics and Sensory Sciences, January 2018-present
- Major Professor, PhD, Department of Food, Nutrition, Dietetics and Health
  - Sam Emerson, August 2014-graduated 2017
  - Brooke Cull, August 2014-graduated 2017
  - Jillian Joyce, June 2015-present
  - Kelsey Casey, August 2016-present
  - Trevor Steele, January 2017-present
  - Colby Teeman, August 2015-May 2016, transferred to dietetics PhD program
- Major Advisor, Undergraduate Honors Project, Department of Food, Nutrition, Dietetics and Health
  - Brianna George, October 2014-May 2016
- Major Advisor, BS Kinesiology, Undergraduate student research project
  - Bradyn Nicholson, May 2016-graduated May 2017
- Major Advisor, Developing Scholar's program
  - Chayce Wynn, Department of Biology, March 2013-May 2014
  - Alyssa Baquero Garcia, Department of Food, Nutrition, Dietetics and Health, August 2014-May 2016
  - Olivet Martinez, Department of Biology, August 2016-present

### **Graduate Student Committee Member:**

- Committee Member, MPH Nutrition, Department of Food, Nutrition, Dietetics and Health
  - Paige Johnson, May 2012- graduated May 2013
  - Brooke Cull, August 2013-graduated August 2014
  - Natasha Rodicheva, March 2014-graduated May 2015
  - Natalie Updike, April 2014-graduated August 2015
  - Cassandra Knutson, October 2015-graduated August 2016
  - Emily Sperry, December 2015-graduated May 2017
  - Nike Frans, February 2016-October 2016
  - Matthew Powell, March 2017-graduated December 2017
  - Mayrena Hernandez, June 2017-present
- Committee Member, MPH Physical Activity, Department of Kinesiology
  - Rebecca Gasper, June 2017-present
- MPH Capstone Committee Member, KU School of Medicine – Wichita, Department of Preventive Medicine and Public Health
  - Melissa Armstrong, December 2017-present
- Committee Member, PhD, Department of Food, Nutrition, Dietetics and Health
  - Trias Mahmudiano, August 2013-graduated May 2016
  - Nicole Delimont, November 2014-graduated May 2017
  - Zaw Wai Htoo, May 2017-present
- Committee Member, PhD, Kinesiology

- Stephanie Kurti, August 2013-graduated May 2017
- Trenton Colburn, January 2018-present
- Committee Member, M.S., Department of Kinesiology
  - Sam Emerson , August 2013-graduated May 2014
  - Ariel Johnson, August 2013-graduated May 2014
  - Kendra Hodges, February 2015-February 2016
- Committee Member, M.S., Department of Food, Nutrition, Dietetics and Health
  - James Michael Minnis, January 2015-graduated August 2015
  - Jiyoung Kim, January 2015-graduated August 2016
  - Kylie Hanson, August 2014-graduated May 2016
  - Molly Winkeler, August 2016-present
  - Blaire Wolski, August 2016-present
  - Brittany Dennis, February 2015-present
- Committee Member, PhD, Psychological Sciences
  - Catherine Steele-Impulsive Behavior, Insulin Resistance, and Diet-June 2017-present
- Committee Member, PhD, Marriage and Family Therapy
  - Cameron Brown-January 2016-graduated May 2017
  - Austin Beck-July 2017-present

**Other Graduate Research Supervision:**

- Outside Chair, PhD, Psychological Sciences
  - Chelsea Schnabelrauch Arndt-Tailoring Feedback in Messages to Encourage Meat Consumption Reduction-January 2016-graduated May 2016
  - Aaron Entringer- Encouraging Preventive Behaviors for Occupation Sun Exposure-December 2017-present
- Instructor for FNDH 780 Problems/Human Nutrition as part of the Professional Science Master's degree in Applied Science and Technology offered through K-State Olathe
  - Johanna Zivotic- Worked on a clinical review of strategies for weight management given patient characteristics. Potentially publishable manuscript.

**Other Undergraduate Research Supervision:**

- Sedentary Intervention Trial
  - Thomas Lawler, B.S. Dietetics 2013
- PAN-CRC Lab Research Experience
  - Dylan Bassett, Nutrition Major 2013
- Reser Grant Girl Scouts Project
  - Madison Hinman, B.S. Dietetics Distance 2017
  - Anna Biggins, Nutrition Major 2017
  - Sarah Morris, Nutrition Major 2017
- Wildcat Wellness
  - Claire Leis, Dietetics 2017
  - Andrea Sweetwood, Kinesiology Major, 2013
  - Ann Vosbeek, Dietetics Major, 2013
  - Brooke Sharpe, Nutrition Major, 2012
  - Cassie Werner, Nutrition Major, 2012
  - Chelsea Aeschliman, Kinesiology Major, 2012
  - Dustyna Sprigg, Kinesiology Major, 2012-2014
  - Emily Wilson, Dietetics & Nutrition Major, 2012
  - Jessica Perrault, Dietetics Major, 2013
  - Cassidy Simmons, Nutrition & Kinesiology Major, 2013
  - Kelly Leonard, Nutrition & Dietetics Major, 2013
  - Lindsey Weixelman, Kinesiology Major, 2013
  - Mitzie Rojas, Dietetics Major, 2013
  - Samantha Claassen, Nutrition & Dietetics Major, 2012
  - Samantha Kannawin, Kinesiology Major, 2013
  - Shanna Stewart, Nutrition, Kinesiology, & Dietetics Major, 2012
  - Taylor Rees, Nutrition & Kinesiology Major, 2013
  - Theresia McCollum, Nutrition & Kinesiology, Gerontology Major, 2013

- Dietary Quality in National School Lunch Program Projects
  - Anna Biggins, Makenzie Keen, Claire Leis, Sarah Morris, Kaytlyn Schwartz, Isabella Skolout, Sarah Sondergard, Alisa Towsley, Rachel Werling- all 2017

### **OTHER STUDENT SUPERVISORY EXPERIENCE**

- L.I.F.E. Fitness Facility Director, Kansas State University, Department of Kinesiology, 2005-2007
  - Managed the in house departmental fitness facility, including supervising paid student employees and practicum students.
- Graduate Teaching Assistant Coordinator, 2005-2007
  - Assisted in orienting new GTAs entering the M.S. program in Kinesiology, managed all physiological laboratory teaching assistants and coordinated laboratory meetings, responsible for upkeep of equipment necessary for laboratories, assisted in development of Syllabi for all GTA instructed courses.
- Lab Manager and Project Coordinator, Kansas State University, Community Health Institute, 2007-2010
  - Managing multiple grants including HOPN, Project Plants, SNAP, United Health Ministries Preschool Grant, and Sunflower Foundation Rural Health Disparities Grant. Supervised Student employees, coordinated data collection, data entry, data analysis, computer upgrades and maintenance, specialized equipment upkeep and maintenance, and various other managerial duties.
- Co-Supervisor, Department of General Practice/School of Medicine, University of Western Sydney, 2010
  - Assisting Year 4 medical students in project development, data analysis, and project write up.

### **PEER REVIEW ACTIVITIES**

#### **BMJ Open**

March 2017

#### **BMC Public Health**

October 2017

#### **Clinical Nutrition**

July 2013, July 2016

#### **Diabetologia**

July 2015

#### **European Journal of Applied Physiology**

January 2014, September 2014, March 2015, October 2015, January 2016

#### **Journal of Nutrition Education and Behavior**

February 2017, April 2017, October 2017

#### **Journal of Science and Medicine in Sport**

August 2012, September 2012, November 2012, March, April 2013, November 2014

#### **Medicine & Science in Sports & Exercise**

April, June, and August 2012, July 2013, April 2015, June 2015, January 2017, October 2017, January 2018

#### **Nutrients**

September 2013, March 2017

#### **Nutrition Reviews**

January 2018

#### **Respiratory Physiology and Neurobiology**

April, July, and August 2013, November 2013, January 2014, February 2014

#### **Faculty of 1000 Biology** Co-reviewer 2007-2010

**McGraw Hill Exercise Testing and Prescription: A Health-Related Approach**, David C. Nieman, Sixth Edition, 2007

**McGraw Hill Personal Nutrition**, Wendy Schiff, 2013 (units 2 and 3)

**McGraw Hill Nutrition: Ecology and Behavior**, Pete Anderson, 2013 (chapter 1)



## **PROFESSIONAL SERVICE**

### **Departmental Service:**

- Served on Food, Nutrition, Dietetics and Health Departmental Counsel Committee Fall 2016-ongoing
- Served on the MPH faculty advisory council as nutrition representative Fall 2016-ongoing
- Guest Speaker-Student Dietetics Association-Research oriented meeting- October 25, 2016
- Served on Search Committee Fall 2016-Instructor/Graduate Advising Position
- Committee Member-Dietetics PAC Committee-Fall 2015-present
- Served on Search Committee Fall 2015-Spring 2016-Department of Human Nutrition Department Head
- Departmental representative at University Research Showcase events- Spring 2015, Spring 2016, November 2017
- Human Nutrition/Dietetics joint curriculum committee member-Spring 2014 –Fall 2015
- Search Committee Member for Basic Nutrition Instructor (HN 132) Summer 2014
- **Executive Committee Chair-Physical Activity and Nutrition Clinical Research Consortium (PAN-CRC)-Spring 2013-ongoing**
- Serve each semester as a meal evaluator for Science of Food final meals-2012-present

### **College Service:**

- Served as Chair-Elect College of Human Ecology Faculty Council (Fall 2017-Spring 2018)
- Served on Search Committee Fall 2016-Spring 2017-Family Studies and Human Services Assistant/Associate Professor
- Guest Panelist-College of Human Ecology Graduate Student Council Professional Development Series-Mentoring Focus-November 14<sup>th</sup>, 2016
- Guest Panelist-College of Human Ecology New Faculty Orientation-How to get your research off the ground-September 12<sup>th</sup>, 2016
- College of Human Ecology Graduate student research forum poster session volunteer, Spring 2016.
- Committee Member- College of Human Ecology 2025 Strategic Action Planning Committee- Graduate Scholarly Experience- Spring 2015-current
- Served on Search Committee Fall 2015-Spring 2016-Department of Kinesiology Anatomy and Physiology Instructor

### **University Service:**

- Faculty Sponsor for Breath Free, K-State! Club from April 2014-Dec 2015
- Faculty Sponsor for KSU Bodybuilding/Figure Association Club from June 2013-May 2014
- Appointed by Faculty Senate to the presidential level **University Environmental Health and Safety Committee**-July 2016-Aug 2019
- Served on University Smoke-Free Education Committee, October 2017-June 2018
- Served on Search Committee Fall 2015-Spring 2016-Associate Vice President for Research Compliance
- Reviewer University Small Research Grants- Spring 2016, Fall 2016, Spring 2017, Fall 2017
- Research and the State graduate student poster session judge (October 2013, October 2014, November 2016, November 2017)
- Graduate student research forum judge for oral presentations (Spring 2015 and 2016).
- **University Committee for the Protection of Human Subjects (KSU IRB)- November 2014- present**
- Graduate student research forum judge for general graduate student oral presentations (March 2014).
- Review Committee Member for update of Introduction to Public Health (110) course- Summer 2013
- Graduate student research forum judge for BioSci posters (March 2013)
- Committee Member: Healthy Stadiums 2012

- Kansas State University Committees: Recreation Complex Task Force to determine whether the expansion of the current facilities was necessary 2006, Search committee for Director of Recreation Services, 2007

**Other Service:**

- Committee Member-Physical Activity committee of the American Heart Association's Lifestyle and Cardiometabolic (Lifestyle) Council (July 1, 2015-June 30, 2017)
- Abstracts Committee member International Society of Behavioral Nutrition and Physical Activity as of Fall 2017
- Reviewer for American Society of Nutrition (ASN) Sessions at Experimental Biology 2016, Applied Physiology, Nutrition & Metabolism (5203), Dec 2016
- Reviewer for American Society of Nutrition (ASN) Sessions at Experimental Biology 2015, EMM: Energy Balance, Macronutrients, and Weight Management, completed November 2014, December 2016
- Presentation at Mercy Regional Health Center- Desk Job Fitness- March 25<sup>th</sup>, 2015 with Emily Mailey, Richard Rosenkranz, Barbie Anderson, and Mary Sue Gray
- Presentation at the Kansas APCO conference (Association of Public Safety Communications Officials)- Reducing sedentary behavior in the workplace- April 29<sup>th</sup>, 2015 with Emily Mailey
- Presentation of a Session at the KPHA conference- Promoting Health for all Kansans- September 17<sup>th</sup>, 2015- with Emily Mailey, Brooke Cull, and Kelsey Jepson- Reducing Sedentary Behavior in the Workplace: implications for the health of all Kansans
- Nutrition Board of Advisors for Basic Nutrition TextBook-Nutrition Essentials by Wendy Schiff- Summer and Fall 2013
- Walk Kansas Advisory Board-K-State Research & Extension, Riley County, 2008-2010
- L.I.F.E. 4 Kids Day Camp: Supervisor Summer 2009
- Departmental Committees: L.I.F.E. Fitness Advisory Committee 2005-2007

**PROFESSIONAL DEVELOPMENT AND TRAINING**

- American Heart Association First Aid CPR AED Certification Valid 12/7/2017-12/2019
- Attended the Intercultural Development Professional Advancement Series of Workshops February 2017-May 2017
- Title IX Training
- K-State Weapons Policy Training June 2017
- Attended New faculty Orientation series for College of Human Ecology (2015-2016)
- Attended the Professional Science Master Degree Lunch and Learn October 2016
- CITI Ethics Training: Export compliance; international research; internet research; OSHA bloodborne pathogens; research in public elementary and secondary schools; research with children; responsible conduct of research; vulnerable subjects; IRB researchers and personnel on IRB protocols
- Attended New Graduate Faculty Orientation October 27, 2015
- Attended series of three Canvas trainings- August-Dec 2015
- Attended American Society for Nutrition Microbiome Four Part Webinar Series May-June 2015
- Attended Gatorade Sports Science Institute American Football Taskforce Webinar-April 28<sup>th</sup>, 2015
- Attended workshop on Mediasite for online course classes, February 20<sup>th</sup>, 2014
- Completed Graduate School Workshop on Faculty Mentoring of Graduate Students: An interactive theater performance by Delta Theatre, April 30<sup>th</sup>, 2013
- Academy for Student Centered Learning Workshop Series October and November 2013
- Research Fellow-Physical Activity and Public Health Post-Graduate Research Course, Arnold School of Public Health, Park City, Utah, September 11-19, 2012
- Kansas State University Safe Zone Ally Training
- NVivo training Short Course for Qualitative Methods-2011
- Short Course on Qualitative Methods and Study Design, University of Sydney-(2-part series)-2011
- Statistics Short Course (ANOVA, regression, non-parametrics) via ACSPRI at Monash University-Fall 2010

- American College of Sports Medicine-Certified Exercise Physiologist since May 2005
- Level II Certified USA Triathlon Coach

### **HONORS AND AWARDS**

- Elected as Chair-Elect College of Human Ecology Faculty Council (Fall 2017-Spring 2019)
- Elected member of International Society of Behavioral Nutrition and Physical Activity Fall 2017
- Special Graduate Faculty Status in the Department of Preventive Medicine and Public Health-University of Kansas Medical Center, Wichita January 2018-May 2020
- Invited Committee Member- Physical Activity committee of the American Heart Association's Lifestyle and Cardiometabolic (Lifestyle) Council (July 1, 2015-June 30, 2017). Re-invited for July 1, 2017-June 2019
- Dawley-Scholar Award for Faculty Excellence in Student Development, Spring 2017
- Dean Barbara S Stowe Endowed Faculty Development Award, Spring 2017
- Nominated for the College of Human Ecology Dawley-Scholar Award for Faculty Excellence in Student Development- Fall 2014-Spring 2015 and Fall 2015-Spring 2016 and Fall 2016
- Nominated for the Hulsing Mentoring Award Spring and Fall 2017
- Appointed to Committee on Research Involving Human Subjects (KSU IRB)- November 2014-present
- Appointed as Adjunct Faculty at the University of Western Sydney, School of Medicine for continuing collaboration with colleagues in General Practice as well as Medical Education, 2014
- Ancillary Faculty in Department of Kinesiology as of 2014
- Multi-time All-American in the sports of Triathlon and Duathlon, including World and National Championship Titles in Duathlon and Triathlon
- Phi Beta Kappa National Honor Society
- Golden Key, National Scholars Honor Society, & Phi Kappa Phi, National Honor Societies
- Doctoral Research Award-Central States American College of Sports Medicine 2008-\$500 awarded for travel to ACSM Annual Conference
- Doctoral Research Award-Central States American College of Sports Medicine 2006-\$500 awarded for travel to ACSM Annual Conference

### **PROFESSIONAL MEMBERSHIPS**

- Abstracts Committee member International Society of Behavioral Nutrition and Physical Activity as of Fall 2017
- American Society for Nutrition Member as of 2014
- International Society of Behavioral Nutrition and Physical Activity member as of 2014
- International Society of Sports Nutrition Member as of 2014
- Kansas Public Health Association Member as of 2014
- American Heart Association member and committee member of the Council on Lifestyle and Cardiometabolic Health since May 2012
- ACSM National and Central States Regional member as of 2005