CURRICULUM VITAE
2022

Daniela Andrea Rubin, Ph.D.

1. EDUCATION AND TRAINING

2001-2005: Ph. D. in Human Movement Science- University of North Carolina at Chapel Hill, Chapel Hill, NC, USA. Dissertation title: "Adipokines, exercise, adiposity and insulin resistance in adolescents".

1999-2001: Master's of Arts in Exercise Science – University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

1992-1996: Teaching Bachelor of Arts – Higher Institute of Physical Education Professorate, Mar del Plata, Bs. As. Argentina.

2. EMPLOYMENT

2017-present Professor, Department of Kinesiology, California State University Fullerton, Fullerton, CA, USA.

2012-2016 Associate Professor, Department of Kinesiology, California State University Fullerton, Fullerton, CA, USA.

2006-2011 Assistant Professor, Department of Kinesiology, California State University Fullerton, Fullerton, CA, USA.

2005-2006 Visiting Assistant Professor, Department of Exercise and Sport Sciences, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA.

2004-2005 Lecturer, Department of Exercise and Sport Sciences, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA.

1999-2004 Teaching Assistant, Department of Exercise and Sport Sciences, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA.

2002 Summer Research Fellow, Goodyear L.G. Metabolism Laboratory, Joslin Diabetes Center, Harvard Affiliated Institution, Boston, MA, USA.

2001 Research Assistant. School of Nursing and Department of Exercise and Sport Sciences, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

2. HONORS AND AWARDS

- Faculty Recognition: Scholarly and Creative Activity for the "*Research and Highest Quality External Grant Activity"*, California State University Fullerton, Fullerton, CA, November 2021.
- Faculty Recognition for Contributions to Diversity, Equitable and Inclusive Practices, College of Health and Human Development, California State University Fullerton, Fullerton, CA, September 2021.
- Faculty Recognition for Outstanding Achievement in Service, California State University Fullerton, Fullerton, CA, November 2020.
- Presidents' Service Award, Prader-Willi California Foundation, San Diego, CA, November 2020.
- Faculty Scholar, College of Health and Human Development, California State University Fullerton, Fullerton, CA, July 2016

- Faculty Recognition: Scholarly and Creative Activity for the "*Research and Highest Quality External Grant Activity"*, California State University Fullerton, Fullerton, CA, April 2013.
- Faculty Recognition: Scholarly and Creative Activity for the "*Research and Highest Quality External Grant Activity"*, California State University Fullerton, Fullerton, CA, April 2010.

3. PROFESSIONAL MEMBERSHIPS

- American College of Sports Medicine. 2004-present. Fellow.
- North American Society for Pediatric Exercise Medicine-2008-present. Member at-large 2018-2020.
- South West Chapter of the American College of Sports Medicine. 2008-present
- Prader-Willi Syndrome California Foundation 2008-present. Member of Board of Trustees 2013-2020 (Secretary and Vice-President for last terms)
- Prader-Willi Syndrome Association USA 2008-2019

4. TEACHING ACTIVITIES

1) Instructor for courses in Nutrition for Exercise and Performance (KNES 470), Graduate Internship (KNES 550), Graduate Independent Study (KNES 599), Thesis/Project (KNES 598/7), Physiology of Exercise (KNES 348), Laboratory of Physiology of Exercise (KNES 348L), Undergraduate Independent Study (KNES 499), Advance Study of Exercise Physiology (KNES 551).

2) External Dissertation Opponent. Raul Rämson, University of Tartu, Estonia, Dissertation topic: "Adaptation of selected biochemical stress and energy turnover markers to different training regimen in highly trained male rowers", August 2011.

3) Doctoral Dissertation Committee Member. Danaka France, Loma Linda University, USA, Dissertation topic: "Motor proficiency, physical activity self-efficacy and physical activity in children with obesity", May 2017.

4) External evaluator and member of examining committee for dissertation. Saeed Reza Toghi Eshghi, Faculty of Kinesiology, Sport and Recreation, University of Alberta, Canada, Dissertation topic: "Effects of exercise on incretin hormones", May 2018.

5) Faculty Coordinator, Strengthening Opportunities Access and Resources at CSUF, Graduate School, California State University Fullerton. 2015-2019.

6) Faculty Director for College of Health and Human Development for Project "Upgrads" Pa'lante Fellowship Program, California State University Fullerton, Fall 2019-present.

5. SCHOLARLY AND CREATIVE ACTIVITIES

RESEARCH SUPPORT

1) Identification of potential factors affecting muscle force and physical function in Prader-Willi syndrome. California State University Fullerton 2017-18 *Research, Scholarship, and Creative Activity* (RSCA) Incentive Award 12/15/2017-12/1/2018. Rubin DA and Pamukoff DN. Role: Co-Principal Investigator (PI).

2) Physical Activity Interventions in Individuals with Prader-Willi Syndrome. US Army Medical Research and Materiel Command Contract W81XWH11-1-0765. Rubin DA PI. 09/30/11 – 10/29/18.
3) Family-Based Exercise Intervention for Children and Adolescents with Prader-Willi Syndrome. US Army Medical Research and Materiel Command Contract W81XWH-09-1-0682. Rubin DA PI. 09/15/09 – 03/14/16.
4) Nutritional and Exercise Aspects of Prader-Willi Syndrome and Childhood Obesity. US Army Medical Research and Materiel Command Contract W81XWH-08-1-0025. Rubin DA PI. 02/01/08-02/28/14.
5) Physical Activity in Youth—Preventing Type 2 Diabetes: Studies to Treat or Prevent Pediatric Type 2 Diabetes. U01 DK61223 Harrell JS PI, Rubin DA co-investigator. 3/01/02-6/30/06.
6) Adipocytokines and insulin resistance in adolescents. Graduate Student Opportunity Trust Fund, Graduate School, University of North Carolina at Chapel Hill. Rubin DA PI. 01/08/04-05/05/05.

INVITED PRESENTATIONS AT SCIENTIFIC AND COMMUNITY MEETINGS

1) Keeping children healthy: Nutrition and Physical Activity. Conference presented at: the 11th International Prader-Willi Syndrome Organization Conference; July 2022; Limerick, Ireland.
2) Physical activity in people with Prader-Willi syndrome: theoretical aspects. Keynote presented at: Primer Curso Hispanoparlante de Capacitación y Networking sobre el Síndrome de Prader-Willi (First training and networking course for Spanish speakers about Prader-Willi syndrome. International Prader-Willi Syndrome Organisation (virtual); June 2021.
3) Cómo y por qué incorporar en la rutina diaria la actividad física para personas con SPW (How and why include physical activity in the daily routine for people with Prader-Willi syndrome). Keynote presented for: Asociación Colombiana de Síndrome de Prader-Willi (Colombian Society of Prader-Willi syndrome) (virtual); September 2020.
4) Physical Activity: ready to move and have fun? Making physical activity an essential part of daily life. Conference presented at: the 10th International Prader-Willi Syndrome Organization Conference; November 2019; Havana, Cuba.
5) Therapeutic interventions in the rehabilitation of Prader-Willi syndrome. Conference presented at: the III International Congress of Genetics (Cuban Society of Human Genetics); November 2017, La Havana, Cuba.
6) Physical activity in Prader-Willi syndrome: at home programming. Conference presented at: the III International Congress of Genetics (Cuban Society of Human Genetics); November 2017, La Havana, Cuba.
7) The role of physical activity in health promotion of youth with Prader-Willi syndrome. Keynote presented at: the XII International Scientific Conference UNICA; October 2016, Cayo Coco, Cuba.
8) Prader-Willi Syndrome: challenges and opportunities for the field of kinesiology. Featured conference presented at: the Biannual Meeting of the North American Society for the Study of Pediatric Exercise Medicine; August 2016, Knoxville, TN.
9) Movement, play & exercise for persons with PWS. Conference presented (Castner DM, Rubin DA) at: the Prader-Willi California Foundation 2015 Annual State Conference; November 2015, Los Angeles, CA.
10) An Overview of Current PWS Research. Conference presented at: the Prader-Willi California Foundation 2015 Annual State Conference; November 2015, Los Angeles, CA.
11) Physical activity in individuals with PWS: Why is it so important and what can you do as a parent? Conference presented at: the Prader-Willi California Foundation 2013 Annual State Conference; November 2013, Los Angeles, CA.
12) Bone metabolism and physical activity in Prader-Willi Syndrome. Symposium presented (Rubin DA, *Duran AT)* at the Southwest Chapter of the American College of Sports Medicine Annual Meeting; October 2013, Newport Beach, CA.

13) Childhood obesity, inflammation and exercise. Guest lecture presented at: Sultan Qaboos University, College of Medicine and Health Sciences; November 2012, Muscat, Oman.
14) Influence of body fat and Prader-Willi syndrome on hormonal and metabolic responses to endurance exercise in children. Tutorial presented at: the Children's Hospital of Orange County Grand Rounds; September 2012, Orange, CA.
15) Exercise responses in Prader-Willi syndrome and childhood obesity. Application of exercise in children with chronic disease symposium. Symposium presented at: the American College of Sports Medicine Annual Meeting; June 2012, San Francisco, CA.
16) Obese children: endocrine and metabolic differences. Endocrine and metabolic responses to exercise in children: current knowledge and issues symposium. Symposium presented at: the American College of Sports Medicine Annual Meeting; June 2011, Denver, CO.
17) Exercise aspects of Prader-Willi syndrome and childhood Obesity. Conference presented at: The Foundation for Prader-Willi Research 2008 Annual Conference; September 2008, Arlington, VA.
18) Pathophysiology of obesity. Tutorial presented at: the South East Chapter American College of Sports Medicine Annual Meeting; January 2006, Charlotte, NC.

PUBLICATIONS

Note that student or mentee authors are italicized

Peer-reviewed book chapters (by invitation only):

1) Rubin DA. Endocrine responses to acute and chronic exercise in the developing child. In: Hackney AC, Constantini NW, eds. *Endocrinology of Physical Activity and Sport. Third Edition.* Humana Press; 2020: 399-420.
2) Rubin DA, *Tufano JT*, McMurray RG. Endocrine responses to acute and chronic exercise in the developing child. In: Constantini NW, Hackney AC, eds. *Endocrinology of Physical Activity and Sport. Second Edition.* Humana Press; 2016: 417-436.

Manuscripts in scientific journals:

1) *Pallante P, Vega A, Escobar A,* Hackney AC, Rubin DA. Micronutrient Intake and Premenstrual Syndrome in Female Collegiate Athletes. *J Sports Med Phys Fitness*. *In press.*
2) Pamukoff DN, *Holmes SC, Shumski EJ, Garcia SA*, Rubin DA. Lower Extremity Coordination and Joint Kinetic Distribution During Gait in Adults with and without Prader-Willi Syndrome. *J Biomech*. 2022; 141:111213. doi: 10.1016/j.jbiomech.2022.111213.
3) *Amaro AS*, Rubin DA, Teixeira MC, Ferreira Junior AJ, Rodrigues GM, Carreiro LR. Health problems in individuals with PWS are associated with lower quality of life for their parents: a snapshot in the Brazilian population. *Front Pediatr.* 2022; 10:746311. doi: 10.3389/fped.2022.746311
4) Rubin DA, Wilson KS, Tucker, J, Castner, DM, Dumont-Driscoll M, Rose, DJ. Improved motor proficiency and quality of life in youth with Prader-Willi syndrome and obesity 6 months after completing a parent-led game-based intervention. *Pediatr Exerc Sci*. 2021; 33(4):177-185. doi: 10.1123/pes.2020-0160.
5) Deehan EC, Colin-Ramirez E, Triador L, Madsen KL, Prado CM, Field CJ, Ball GDC, Tan Q, *Orsso C*, Dinu I, Pakseresht M, Rubin D, Sharma AM, Tun H, Walter J, Newgard CB, Freemark M, Wine E, Haqq AM. Efficacy of metformin and fermentable fiber combination therapy in adolescents with severe obesity and insulin resistance: study protocol for a double-blind randomized controlled trial. *Trials*. 2021; 22(1):148. doi: 10.1186/s13063-021-05060-8.
6) Rubin DA, Wilson KS, *Orsso CE*, Gertz ER, Haqq AM, Castner DM, Dumont-Driscoll M. A 24-week physical activity intervention increases bone mineral content without changes in bone markers in youth with PWS. *Genes*. 2020; 11(9):984. doi: 10.3390/genes11090984.
7) Pamukoff DN, *Holmes SC, Shumski EJ, Garcia SA*, Rubin DA. Plantar flexor function in adults with and without Prader-Willi syndrome. *Med Sci Sports Exerc*. 2020; 52(10):2189-2197. doi: 10.1249/MSS.0000000000002361.

8) *Orsso CE*, Silva MIB, Gonzalez MC, Rubin DA, Heymsfield SB, Prado CM, Haqq AM. Assessment of body composition in pediatric overweight and obesity: A systematic review of the reliability and validity of common techniques. *Obes Rev*. 2020; 21(8):e13041. doi: 10.1111/obr.13041.
9) *McAlister K,* Rubin DA, Fisher K. A cross-sectional examination of patterns of sedentary behavior and cardiometabolic risk in community-dwelling adults aged 55 years and older. *J Aging Res*. 2020; 2020: 3859472. doi: 10.1155/2020/3859472
10) *Pallante P, Perales C, Rigsby V,* Wilson K, & Rubin D. Implementation of a pilot parent-focused physical activity program with Latino families in a Head Start program. *CJHP.* 2019; *17*(2), 13-27. doi:10.32398/cjhp.v17i2.2286.
11) *Orsso CE*, Tibaes JRB, Oliveira CLP, Rubin DA, Field CJ, Heymsfield SB, Prado CM, Haqq AM. Low muscle mass and strength in pediatrics patients: Why should we care? *Clin Nutr*. 2019; 38(5): 2002-2015. doi: 10.1016/j.clnu.2019.04.012.
12) O*rsso CE*, Tibaes JRB, Rubin DA, Field CJ, Heymsfield SB, Prado CM, Haqq AM. Metabolic implications of low muscle mass in the pediatric population: a critical review. *Metabolism*. 2019; 99:102-112. doi: 10.1016/j.metabol.2019.153949.
13) Rubin DA, Wilson KS, Castner DM, Dumont-Driscoll M. Changes in health-related outcomes in youth with obesity in response to a home-based physical activity program. *J Adolesc Health*. 65(3):323-330. doi:10.1016/j.jadohealth.2018.11.014
14) Morales JS, Valenzuela PL, Pareja-Galeano H, Rincón-Castañedo C, Rubin DA, Lucia A. Physical exercise and Prader-Willi syndrome: A systematic review. *Clin Endocrinol*. 2019; 90:649-661. doi: 10.1111/cen.13953.
15) *Orsso CE,* Butler AA, Muehlbauer MJ, Cui HN, Rubin DA, Pakseresht M, Butler MG, Prado CM, Freemark M, Haqq AM. Obestatin and adropin in Prader-Willi syndrome and nonsyndromic obesity: Associations with weight, BMI-z, and HOMA-IR. *Pediatr Obes*. 2019; 27:e12493. doi: 10.1111/ijpo.12493.
16) Rubin DA, Wilson KS, Dumont-Driscoll M, Rose DJ. Effectiveness of a parent-led physical activity intervention in youth with obesity. *Med Sci Sports Exerc*. 2019; 51(4):805-813. doi: 10.1249/MSS.0000000000001835.
17) Rubin DA, Wilson KS, *Honea KE*, Castner DM, McGarrah JG, Rose DJ, and Dumont-Driscoll M. An evaluation of the implementation of a parent-led, games-based physical activity intervention: the Active Play at Home quasi-randomized trial. *Health Educ Res*. 2019; 34(1):98-112. doi: 10.1093/her/cyy035.
18) *Hyde A, Chavoya F, Silveira Vanroo F*, Beam B and Rubin DA. Metabolic responses to walking in children with Prader-Willi syndrome on growth hormone replacement therapy. Am *J Med Genet A.* 2018; 176(11:2513-2516. doi: 10.1002/ajmg.a.40509.
19) Rubin DA, *Duran AT*, Haqq AM, Gertz E, Dumont-Driscoll M. Changes in cardiometabolic markers in children with Prader-Willi syndrome and nonsyndromic obesity following participation in a home-based physical activity intervention. *Pediatr Obes.* 2018; 113(11):734-743. doi: 10.1111/ijpo.12462.
20) *Lam MY*, Rubin DA, *White E, Duran AT*, Rose DJ. Test-retest reliability of the Bruininks-Oseretsky Test of Motor Proficiency-Second edition for youth with Prader-Willi syndrome. *Ann Phys Rehabil Med.* 2018; 61(5):355-357. doi:10.1016/j.rehab.2018.06.001.
21) *McAlister K,* Rubin DA, Fisher K, Dumont-Driscoll M. The relationship between Metabolic Syndrome, cytokines, and physical activity in obese youth with and without Prader-Willi syndrome. *J Pediatr Endocrinol Metab*. 2018; 31(8):837-845. doi: 10.1515/jpem-2017-0539.
22) *Hyde AM,* McMurray RG, *Chavoya FA,* Rubin DA. Ventilatory responses during submaximal exercise in children with Prader-Willi syndrome. *Pediatr Exerc Sci.* 2018; 27:1-7. doi: 10.1123/pes.2017-0112.
23) *Orsso CE,* Mackenzie M, Alberga AS, Sharma AM, Richer L, Rubin DA, Prado CM, Haqq AM. The use of magnetic resonance imaging to characterize abnormal body composition phenotypes in youth with Prader-Willi syndrome. *Metabolism.* 2017; 69:67-75. doi: 10.1016/j.metabol.2017.01.020.
24) Rubin DA, Clark SJ, Haqq AM, Castner DM, Ng J, Judelson DA. Hormonal and metabolic responses to a single bout of resistance exercise in Prader-Willi Syndrome. *Horm Res Pediatr*. 2018; 87(3):153-161. doi: 10.1159/000454805

25) Wilson KS, Wiersma L, Rubin DA. Quality of life in children with Prader Willi syndrome: parent and child reports. *Res Dev Disabil.* 2016; 57:149-57. doi: 10.1016/j.ridd.2016.06.016.
26) *Lam MY,* Rubin DA, *Duran AT, Chavoya F, White E,* Rose DJ. A characterization of movement skills in obese children with and without Prader-Willi syndrome. *Res Q Exer Sport.* 2016; 31:1-9. doi: 10.1080/02701367.2016.1182113.
27) *Duran AT*, Wilson KS, Tucker J, Castner DM, Rubin, DA. Association between physical activity and bone in children with Prader-Willi syndrome. *J Pediatr Endocrinol Metab*. 2016; 29(7):819-26 doi: 10.1515/jpem-2015-0233.
28) *Amaro AS*, Teixeira MC, de Mesquita ML, Rodrigues GM, Rubin DA, Carreiro LR. Physiological adaptation after a 12-week physical activity program for patients with Prader–Willi syndrome: two case reports. *J Med Case Rep.* 2016; 10(1):181. doi: 10.1186/s13256-016-0966-8.
29) *Castner DM,* Clark SJ, Judelson DA, Rubin DA. Obesity and Prader-Willi Syndrome affect heart rate recovery from dynamic resistance exercise in youth. *Diseases*, 2016; 4(1). doi: 10.3390/diseases4010004.
30) Rubin DA, Nowak J, *McLaren E, Patiño M, Castner DM*, Dumont-Driscoll MC. Nutritional intakes in children with Prader-Willi syndrome and non-congenital obesity. *Food Nutr Res.* 2015; 59:29427. doi: 10.3402/fnr.v59.29427.
31) *Duran AT,* Gertz E, Judelson DA, Tsang K, Haqq AM, Clark SJ, Rubin DA. Cytokine responses to acute intermittent aerobic exercise in children with Prader-Willi syndrome and nonsyndromic obesity. *Pediatr Exerc Sci.* 2015;27: 525-34. doi: 10.1123/pes.2015-0050.
32) Rubin DA, *Pham HN, Adams ES, Tutor AR*, Hackney AC, Coburn JW, Judelson DA. Endocrine response to acute resistance exercise in obese versus lean physically active men. *Eur J Appl Physiol*. 2015; 26(4):444-54. doi: 10.1007/s00421-015-3105-0
33) Rubin DA, Clark SJ, *Ng J, Castner DM*, Haqq AM, Judelson DA. Hormonal and metabolic responses to endurance exercise in children with Prader-Willi syndrome and non-syndromic obesity. *Metabolism*. 2015; 64(3):391-5. doi: 10.1016/j.metabol.2014.11.011
34) *Castner DM*, Tucker JM, Wilson KS, Rubin DA. Patterns of habitual physical activity in youth with and without Prader-Willi Syndrome. *Res Dev Disabil.* 2014; 35(11):3081-8. doi: 10.1016/j.ridd.2014.07.035.
35) Rubin DA, *Castner DM*, *Pham H, Ng J, Adams E*, Judelson DA. Hormonal and metabolic responses to a resistance exercise protocol in lean children, obese children and lean adults. *Pediatr Exerc Sci*. 2014; 26(4):444-54. doi: 10.1123/pes.2014-0073.
36) Weselake SV, Foulds JL, Couch R, Witmans MB, Rubin D, Haqq AM. Prader-Willi syndrome, excessive daytime sleepiness, and narcoleptic symptoms: a case report. *J Med Case Rep.* 2014; 8:127. doi: 10.1186/1752-1947-8-127
37) Rubin DA, Wilson KS, Wiersma LD, Weiss JW, Rose DJ. Rationale and design of active play @ home: a parent-led physical activity program for children with and without disability. *BMC Pediatr*. 2014; 14:41. doi: 10.1186/1471-2431-14-41.
38) *Castner DM,* Rubin DA, Judelson DA, Haqq AM. Effects of adiposity and Prader-Willi syndrome on postexercise heart rate recovery. *J Obes*. 2013; 384167. doi: 10.1155/2013/384167.
39) Rubin DA, *Cano-Sokoloff N,* Castner DL, Judelson, DA, *Wright P*, *Duran A,* Haqq AM. Update on body composition and bone density in children with Prader-Willi Syndrome. *Horm Res Pediatr*. 2013; 79(5): 271-6. doi: 10.1159/000350525.
40) Lätt E, Mäestu J, Rääsk T, Rubin DA, Purge P, Saar M, Utsal L, Jürimäe J, Maasalu K, Jürimäe T. Association of physical activity to cardiovascular fitness and fatness in 12-13-year-old boys in different weight status. *J Public Health*. 2013; 21:231-239. doi: 10.1007/ S10389-012-0549-0.
41) Rubin DA, Mouttapa M, Weiss JW, *Barrera-Ng A.* Physical activity in children with Prader-Willi syndrome: a parents' perspective. *CJHP*. 2012; 10: 57-66.
42) Weiss JW, Mouttapa M, *Nacpil L,* Rubin D, Gedissman A. Addressing obesity among Latino youth in a pediatrician's office: Preliminary findings of an obesity prevention program. *J Behav Health.* 2012; 1(2):86-92. doi: 10.5455/jbh.20120327101308
43) Wiersma LD, Rubin DA. The development and pilot testing of Active Kids: a park-based afterschool physical activity program for Hispanic youth. *CJHP*. 2012; 10:1-12.

44) Hackney AC, Hosick KP, Myer A, Rubin DA, Battaglini CL. Testosterone responses to intensive interval versus steady-state endurance exercise. *J Endocrinol Invest*. 2012; 35(11):947-50. doi: 10.1007/BF03346740.
45) Hackney AC, *Kallman A, Hosick K,* Rubin DA, Battaglini, CL. Thyroid hormonal responses to intensive interval vs. steady state endurance exercise sessions. *Hormones*.2012; 11(1):54-60. doi: 10.1007/BF03401537.
46) *Sheppard A,* Rubin DA, Sherman C, Patterson D. The effect of course configuration of the mile run on preference and performance of elementary school runners. *The Physical Educator*. 2012; 69(1):20-35.
47) Rubin DA, McMurray RG, Hackney AC, Harrell JS. Relationship between cardiovascular risk factors and adipokines in adolescents. *Horm Res Paediatr,* 2011; 76(2):123-129. doi: 10.1159/000327852.
48) Rubin DA, Hackney AC. Inflammatory cytokines and metabolic risk factors during growth and maturation: influence of physical activity. *Med Sport Sci*. 2010; 55:43-55. doi: 10.1159/000321971
49) *Wigginton M,* Wiersma L, Sherman C, Rubin DA. Weight stigmatization among Hispanic American children. *CJHP.* 2009; 7(1), 43-51.
50) Rubin DA, Butler RJ, *Beckman B,* Hackney AC. Footwear and running cardio-respiratory responses. *Int J Sports Med.* 2009; 30(5):379-382. doi: 10.1055/s-0028-1105932.
51) Rubin DA, McMurray RG, Harrell JS, Thorpe DE, Hackney AC. Vigorous physical activity and cytokines in adolescents. *Eur J Appl Physiol.* 2008; 103(5):495-500. doi: 10.1007/s00421-008-0743-5.
52) Rubin DA, McMurray RG, Harrell JS, Hackney AC, Haqq AM. Do surrogate markers for adiposity relate to cytokines in adolescents? *J Investig Med.* 2008; 56(5):786-792. doi: 10.2310/JIM.0b013e3181788cf1.
53) Rubin DA, McMurray RG, Harrell JS, Hackney AC, Thorpe DE, Haqq AM. The association between insulin resistance and cytokines in adolescents: the role of weight status and exercise. *Metabolism.* 2008; 57(5):683-690. doi: 10.1016/j.metabol.2008.01.005.
54) Rubin DA, McMurray RG, Harrell JS. Insulin and weight status in adolescents: independent effects of intensity of physical activity and peak aerobic power. *Pediatr Exerc Sci.* 2008; 20(1):29-39. doi: 10.1123/pes.20.1.29.
55) *Bower JK,* Hales DP, Tate DF, Rubin DA, Benjamin SE, Ward DS. The childcare environment and children's physical activity. *Am J Prev Med*. 2008; 34(1):23-29.
56) *Duke JW,* Rubin DA, *Daly W,* Hackney AC. Influence of prolonged exercise on the 24-hour free testosterone-cortisol ratio hormonal profile. *Med Sportiva.* 2007;11(2) 48-50.
57) Hackney AC, Rubin DA. El sistema neuroendocrino y el estrés del ejercicio: una breve revisión. *Medicina del Ejercicio.* 2006; 21(1-2):23-34.
58) Rubin DA, McMurray RG, Hackney AC, Harrell JS. The relationship between leptin, metabolic hormones, exercise and body composition in adolescents. *J Pediatr Endocrinol Metab.* 2005; 18(11):1073-1081. doi: 10.1515/jpem.2005.18.11.1073.
59) *Moore AW, Timmerman S, Brownlee KK*, Rubin DA, Hackney AC. Strenuous fatiguing exercise: relationship to circulating thyroid hormones. *Int J Endocrinol Metab.*2005; 1:18-24.
60) *Daly W, Seegers CA,* Rubin DA, Dobridge JD, Hackney AC. Relationship between stress hormones and testosterone with prolonged endurance exercise. *Eur J Appl Physiol.* 2005; 93(4):375-380. doi: 10.1007/s00421-004-1223-1.
61) Rubin DA, McMurray RG, Harrell JS, Carlson BW, Bangdiwala S. Accuracy of three dry-chemistry methods for lipid profiling and risk factor classification. *Int J Sport Nutr Exerc Metab.* 2003; 13(3):358-368. doi: 10.1123/IJSNEM.13.3.358.

Publications of Abstracts in scientific journals (past 5 years):

1) *Goodson M*, Rubin DA. FunDoRoo for You: the Use of a Mobile Application to Facilitate Physical Education. *International Journal of Exercise Science: Southwest American College of Sports Medicine Conference Proceedings*. 2022; MS 5704.

2) *Clark BD, Withrow K, Lam J,* Fisher KL, Rubin DA. At Home Progressive Resistance Training for Adults with Down Syndrome: Intervention Materials Development. *International Journal of Exercise Science: Southwest American College of Sports Medicine Conference Proceedings*. 2022; MS 5727.
3) *Garcia A*, Rose DJ, Rubin DA. The Relationship between Postural Control and Motor Proficiency in Children with Prader-Willi Syndrome and with Obesity. *International Journal of Exercise Science: Southwest American College of Sports Medicine Conference Proceedings.* 2022; MS 5666.
4) *Vuong V*, Rubin DA. The Relationship Between Catecholamines and Lactate Concentration in Response to Exercise in Adolescents with Obesity. *International Journal of Exercise Science: Southwest American College of Sports Medicine Conference Proceedings.* 2022; MS 5604.
5) *Clark BD, Valdez ALB*, Rubin DA. Hypermobility characterization in participants with Down syndrome attending an instructor led controlled adaptive exercise setting. *Med Sci Sports Exerc*. 2020; 52 (7S): 77.
6) *Orsso CE,* Pakseresht M, Ball GDC, Rubin DA, Ansarian M, Prado CM, Haqq AM. A model of metabolic load-capacity in pediatric obesity: preliminary findings. *Horm Res Paediatr.* 2020; 93 (S1):5.
7) *Holmes SC, Post BK, Garcia SA, Shumski EJ, Escano D*, Rubin DA, Pamukoff DN . Quadriceps strength and knee mechanics in adults with Prader-Willi syndrome. *Med Sci Sports Exerc.* 2019; 51(6S):11.
8) *Shumski E, Holmes SC, Post BK, Garcia SA, Escano D,* Rubin DA, Pamukoff DN. Neuromuscular impairment of the plantar flexors in adults with Prader-Willi syndrome. *Med Sci Sports Exerc.* 2019; 51(6S):347.
9) Wilson KS, Rubin DA. Maintenance of parental outcomes following a home-based physical activity intervention for families of youth with and without Prader-Willi syndrome. *Journal of Sport and Exercise Psychology.* 2018; 40:S73.
10) *Pallante P, Bras K*, Wilson KS, Rubin DA. Qualitative Assessment of the implementation of a 12-week game-based at-home intervention for young children. *Med Sci Sports Exerc.* 2018;50(5S):449.
11) *Bras K*, Rubin DA, Wilson KS. Positive parents' perceptions of implementing a physical activity program at home in young children with Prader-Willi syndrome. *Ann Behav Med.* 2017; 51(S1):S292.
12) *McAlister KL*, Rubin DA, Fisher KL, Dumont-Driscoll M. Metabolic Syndrome Markers and Physical Activity in Obese Youth with and without Prader-Willi Syndrome. *Ann Behav Med.* 2017; 51(S1):S1249.
13) Rubin DA, Haqq AM, *Duran A*, Gertz E, Dumont-Driscoll M. Home-based physical activity positively affects cardiometabolic risk factors in children with and without Prader-Willi Syndrome. *Horm Res Paediatr.* 2017; 88 (S1):335.

Non-peer reviewed publications:

1) Rubin DA, Wiersma L, Rose DJ. FunDoRoo™ Early Discoveries: Home-based Active Play for Parents and Youth, 2019 © Amazon.com Services LLC
2) Rubin DA, Wiersma L. FunDoRoo™ A Home-based Physical Activity Program for Families, 2019 © Amazon.com Services LLC

6. SERVICE ACTIVITIES

University (selected)

1) University Faculty Research Committee, College of Health and Human Development representative 2020-2022
2) University Library Committee, College of Health and Human Development representative 2019-2021.

3) College of Health and Human Development Strategic Plan Development Committee 2017-2018
4) University Campus Beautification and Facilities Committee, College of Health and Human Development representative, CSUF 2014-2016 (Chair: 2016-2016)
5) Member of the Center for Successful Aging, College of Health and Human Development, 2011-present
6) Health Promotion Research Institute, Steering Committee Member, 2011- 2016.
7) Department of Kinesiology Personnel Committee (Lecturers) 2021-2022 (member)
8) Department of Kinesiology Personnel Committee 2020-2021 (Chair).
9) Department of Kinesiology Personnel Committee 2019-2020 (Member).
10) Department of Kinesiology Personnel Committee 2018-2019 (Member).

Professional

1) North American Association for the Study of Pediatric Exercise Medicine Board Member at-Large (2016-2020)
2) Prader-Willi California Foundation Board of Trustees. Member at-large (2013-2018, 2022), secretary (2019) and vice-president (2020).
3) External Program Reviewer for Loyola Marymount University (February-March 2020)
4) *Ad hoc* Journal Reviewer (most recent non-exclusive list)

California Journal of Health Promotion

Disability and Rehabilitation

European Journal of Applied Physiology

Hormone Research in Endocrinology

Hormone Research in Paediatrics

Journal of Applied Research in Intellectual Disability

Journal of Neurodevelopmental Disorders

Journal of Pediatrics

Journal of Rare Disorders

Journal of Research in Intellectual Disability

Medicine and Science in Sports and Exercise

Metabolism

Pediatric Exercise Science

Pediatric Obesity

Pediatric Research

Physiotherapy