BIOGRAPHICAL SKETCH

NAME	POSITION TITLE	
Arslanian, Silva	Professor of Pediatrics	
eRA COMMONS USER NAME		
Silvaars		

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
American University of Beirut, Lebanon American University of Beirut, Lebanon American University of Beirut, Lebanon	BS MD Residency	/73 /78 /80	Pre-Medicine
Children's Hospital of Pittsburgh, Pittsburgh, PA	Fellowship	/84	Endocrinology

A. Personal Statement

I am a board certified pediatric endocrinologist who has invested her academic career in patient-oriented research (POR) investigating childhood insulin resistance. I have been most fortunate to have had NIH support which tracks as follows: 1) An initial Clinical Associate Physician (CAP) award of the General Clinical Research Center from NCRR investigating insulin resistance in children with type 1 diabetes, 2) a five-year FIRST award "Energy Metabolism and Insulin Resistance During Puberty", 3) a R01 since 1997 "Childhood Metabolic Markers of Adult Morbidity in Blacks", investigating black/white differences in risk of obesity, metabolic syndrome and type 2 diabetes, 4) a K24 "Insulin Resistance in Childhood" (2000-2012), with a major objective of mentoring the next generation of physician-scientists in POR in childhood insulin resistance, 5) a U01 "Treatment Options of type 2 diabetes in adolescents and youth (TODAY)" (2001-2014), 6) a U01 "Preserving βcell function in pediatric type 2 diabetes" (2011-2016), 7) a T32 fellowship training grant together with a K12 Junior Faculty Development grant in response to a one-time RFA to train pediatric diabetologists (2002-2007), 8) multiple collaborative grants as a co investigator providing expertise in the area of childhood metabolism and insulin resistance, and 9) last but not least, Program Director of the Pediatric Clinical and Translational Research Center of the CTSA (GCRC 1999-to date) at Children's Hospital of Pittsburgh. Since 2003 I have been the founding Director and Division Chief of the Pediatric Weight Management and Wellness at Children's Hospital of Pittsburgh, and in 2005 I was awarded the Richard L Day endowed Chair. As PI of these different grants and together with multiple collaborators, M.D. fellows and Ph.D. Post Docs who I mentor, we have made major scientific contributions to the field of childhood insulin resistance, obesity, cardio metabolic syndrome, type 2 diabetes and race/ethnicity contrast (please see relevant roles bolded under "Honors" and relevant publications with an * next to them).

B. Positions and Honors

Positions

1984-1986	Allegheny General Hospital of Pittsburgh, PA
1986-1988	University of Pittsburgh, School of Medicine

Staff Pediatrician
Research Assistant
Professor, Pediatrics
Children's Hospital of
Pittsburgh (CHP)

1988-1992	University of Pittsburgh, School of Medicine, CHP	
1992-1999	University of Pittsburgh, School of Medicine, CHP (Tenu	
1994-1999 1999-present (Tenure)	Children's Hospital of Pittsburgh	Associate Director, PCTRC Professor of Pediatrics
1999-2006	Director, General Clinical Research Center Pittsburgh	Children's Hospital of
2006-present	Children's Hospital of Pittsburgh	Pittsburgh, PA Director, Pediatric Clinical & Translational Research Center (CTSA)
2003-present	Children's Hospital of Pittsburgh	Director, Pediatric Weight Management and Wellness Center
2005-present	University of Pittsburgh School of Medicine	Richard L. Day Professor of Pediatrics
2008-present	University of Pittsburgh School of Medicine	Professor Clinical & Translational Science Institute
<u>Honors</u>		
1999	Consensus Panel, Type 2 Diabetes in Chi Association	ildren, American Diabetes
1999	NIH Task Force on Type 2 Diabetes Mellitus in	n Children
1999-2004	Member, Maternal and Child Health Study Section	
2000	The 13 th T.S. Danowski Memorial Seminar, University	
0000	Medicine	
2000	Pfizer "Scholar Scientist" Visiting Professo New Mexico, Albuquerque	rship in Diabetes, Univ of
2000-present	Associate Editor, Pediatric Diabetes	
2001	Sean Passey Annual Lectureship, University of N	Massachusetts
2001	Consultant to the Secretary of Health & Human S	
2001	Symposium Chair, "Childhood Obesity: Pro	
	61st Scientific Sessions of the America	an Diabetes Association,
2004	Philadelphia, PA	al Capiato fan Dadiatoia and
2001-present	Faculty Member, Science School, International Adolescent Diabetes (ISPAD)	al Society for Pediatric and
2001-present	Editorial Board, Treatments in Endocrinology	
2001-2002	American Diabetes Association, Scientific Session	
2002	Consultant, CDC, SEARCH for Diabetes in Yo	•
2002	American Diabetes Association Consensus P	
	Children	·
2002	Symposium Chair "Insulin Resistance in	
0000	Sessions of the American Diabetes Association	· · · · · · · · · · · · · · · · · · ·
2002	Chair, "Fat, Age and Ethnicity – Metabo	
	Scientific Sessions of the American Di Francisco, CA	abetes Association, San
2003-procont	•	ask Force
2003-present 2004-2008	Allegheny County Medical Society Obesity Ta Obesity Task Force, Lawson Wilkins Per	
200 1 -2000	(LWPES)	diatile Elidocille Society
2004-2008	Board of Directors, Endocrine Fellows Foundatio	n
	the state of the s	

2006-present	NICHD Pediatric Metabolic Syndrome Working Group (PMSWG)
2006	SGA Consensus Work Group
2006	Metabolic Syndrome in Children & Adolescents IDF Advisory Board
2006	Expert Panel sponsored by NICHD/NIDDK/NHLBI/ORD: Toward a
	working definition of the metabolic syndrome in children and
2007	adolescents
2007	International Health Professional of The Year, The International Biographical
2007-2009	Centre of Cambridge, England CTSA Pediatric Steering Committee, NCRR, NIH.
2007-2009 2007-present	Review Board –German Federal Ministry of Education and Research
2007-present	(BMBF) For "Disease Related Competence Network on Obesity"
2008	Expert Panel sponsored by NICHD/NIDDK/NHLBI/ORD: Round 2:
2000	Toward a working definition of the metabolic syndrome in children and
	adolescents.
2008	European Medicines Agency (EMEA) Expert Consultant Pediatric Committee
0000	(PDCO)
2009	The American University of Beirut (AUB) Alumni Association Gold Award for
0000	Academic Achievement, Beirut, Lebanon
2009	Hans Zellweger Lecture Award. The 42 nd Middle East Medical Assembly
2000	(MEMA) ESPE/LWPES/ISPAD/APPES/JSPE Consensus Insulin Resistance in
2009	Children Chair/Representative for Lawson Wilkins Pediatric Endocrine
	Society (LWPES), Paris-Enghien-les-Bains, France
2009	NIH/NIDDK Pediatric Workshop Typology of Diabetes in Children and
2003	
	Young Adults Rethesda MD
2009	Young Adults, Bethesda, MD NIH/NIDDK Anthropometry and Body Composition Working Group
2009	NIH/NIDDK Anthropometry and Body Composition Working Group
	NIH/NIDDK Anthropometry and Body Composition Working Group (ABCWG) Workshop, Washington, DC
2009 2009	NIH/NIDDK Anthropometry and Body Composition Working Group (ABCWG) Workshop, Washington, DC NIH, Center for Scientific Review, Endocrinology Metabolism, Nutrition and
2009	NIH/NIDDK Anthropometry and Body Composition Working Group (ABCWG) Workshop, Washington, DC NIH, Center for Scientific Review, Endocrinology Metabolism, Nutrition and Reproductive Sciences Integrated Review Group (EMNR-IRG).
	NIH/NIDDK Anthropometry and Body Composition Working Group (ABCWG) Workshop, Washington, DC NIH, Center for Scientific Review, Endocrinology Metabolism, Nutrition and Reproductive Sciences Integrated Review Group (EMNR-IRG). Expert Panel Meeting Dutch Medicines for Children Research Network
2009	NIH/NIDDK Anthropometry and Body Composition Working Group (ABCWG) Workshop, Washington, DC NIH, Center for Scientific Review, Endocrinology Metabolism, Nutrition and Reproductive Sciences Integrated Review Group (EMNR-IRG).
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2009 2009 2010 2010	NIH/NIDDK Anthropometry and Body Composition Working Group (ABCWG) Workshop, Washington, DC NIH, Center for Scientific Review, Endocrinology Metabolism, Nutrition and Reproductive Sciences Integrated Review Group (EMNR-IRG). Expert Panel Meeting Dutch Medicines for Children Research Network (MCRN) Amsterdam, Netherlands Jacques-Raymond Ducharme Lecture, Pediatric Grand Rounds, Université de Montréal, Hospital Sainte-Justine, Montréal, Canada The Pfizer "Scholar Scientist" Visiting Professor, University of North Carolina at Chapel Hill
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2009 2009 2010 2010 2010-Dec. 2011 2011 "D 2011	NIH/NIDDK Anthropometry and Body Composition Working Group (ABCWG) Workshop, Washington, DC NIH, Center for Scientific Review, Endocrinology Metabolism, Nutrition and Reproductive Sciences Integrated Review Group (EMNR-IRG). Expert Panel Meeting Dutch Medicines for Children Research Network (MCRN) Amsterdam, Netherlands Jacques-Raymond Ducharme Lecture, Pediatric Grand Rounds, Université de Montréal, Hospital Sainte-Justine, Montréal, Canada The Pfizer "Scholar Scientist" Visiting Professor, University of North Carolina at Chapel Hill VICE CHAIR Special Emphasis Panel ZDK1GRB-J J1, NIH Center for Scientific Review DSMB Boehringer Ingelheim Review Board, German Federal Ministry of Education & Research for Disease Related Competence network on Obesity" Chair, IDF World Diabetes Congress "Insulin Resistance in Young & Old", Dubai, UAE. Scientific Advisory Board, European Commission, EU-FP7, Beta-IDO Grant 279153 (Beta Cell Function in Juvenile Diabetes and Obesity).
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C. Publications from the last 10 years

- 1)* Libman IM, Pietropaolo M, **Arslanian SA**, LaPorte RE, Becker DJ: Changing Prevalence of Overweight Children and Adolescents at Onset of Insulin-Treated Diabetes. Diabetes Care 26:2871-2875, 2003. [PMID: 14514594]
- 2)* Libman IM, Pietropaolo M, **Arslanian SA**, LaPorte RE, Becker DJ: Evidence for Heterogeneous Pathogenesis of Insulin-Treated Diabetes in Black and White Children. Diabetes Care 26:2876-2882, 2003. [PMID: 14514595]
- 3)* Bacha F, Saad R, Gungor N, Janosky J, **Arslanian SA:** Obesity, Regional Fat Distribution and Syndrome X in Obese Black vs White Adolescents: Race Differential in Diabetogenic and Atherogenic Risk Factors. J Clin Endocrinol Metab 88(6):2534-2540, 2003. [PMID: 12788850]
- 4)* Agarwal AK, Simha V, Oral EA, Moran SA, GordenP, O'Rahilly S, Zaidi Z, Gurakan F, **Arslanian SA**, Klar A, Ricker A, White NH, Bindl L, Herbst K, Kennel K, Patel SB, Al-Gazali, L, Garg A: Phenotypic and Genetic Heterogeneity in Congenital Generalized Lipodystrophy. J Clin Endocrinol Metab 88:4840-4847, 2003. [PMID: 14557463]
- 5)* Gungor N, Saad R, Janosky J, **Arslanian S:** Validation of Surrogate Estimates of Insulin Sensitivity and Insulin Secretion in Children and Adolescents. J Pediatr 144:47-55, 2004. [PMID: 14722518]
- 6)* Bacha F, Saad R, Gungor N, **Arslanian S:** Adiponectin in Youth: Relationship to Visceral Adiposity, Insulin Sensitivity, β-cell Function. Diabetes Care 27:547-552, 2004. [PMID: 14747242]
- 7)* Gungor N, **Arslanian S**: Progressive Beta Cell Failure in Type 2 Diabetes Mellitus in Youth. J Pediatrics 144:656-659, 2004. [PMID: 15127006]
- 8)* Bacha F, **Arslanian S:** Is Premature Adrenarche a Precursor of Polycystic Ovarian Syndrome? Endo Trends 11:1-5, 2004.
- 9)* Bacha F, Saad R, Gungor N, **Arslanian S:** Adiponectin in Youth. Letter. Diabetes Care 27:1520-1521, 2004.
- McDuffie JR, Adler-Wailes DC, Elberg J, Steinberg EN, Fallon EM, Tershakovec AM, Arslanian SA, DeLany JP, Bray GA, Yanovski JA: Prediction Equations for Resting Energy Expenditure in Overweight and Normal Weight Black and White Children. Am J Clin Nutr 80: 365-73, 2004. [PMID: 15277157]
- 11)* Andreacci JL, Robertson RJ, Dube JJ, Aaron DJ, Balasekaran G, **Arslanian S:** Comparison of Maximal Oxygen Consumption Between Black and White Prepubertal and Pubertal Children. Pediatric Res. 56: 706-713, 2004. [PMID: 15319460]
- 12)* **Arslanian SA**, Bacha F, Saad R, Gungor N: Family History of Type 2 Diabetes is Associated With Decreased Insulin Sensitivity and an Impaired Balance Between Insulin Sensitivity and Insulin Secretion in White Youth. Diabetes Care 28: 115-119, 2005. [PMID: 15616243]
- 13)* Bacha F, **Arslanian SA:** Ghrelin suppression in Overweight Children: A Manifestation of Insulin Resistance? J Clin Endocrinol Metab 90: 2725-2730; 2005. [PMID: 15728212]

- 14)* Bacha F, Saad R, Gungor N, **Arslanian SA**: Does Adiponectin Explain the Lower Insulin Sensitivity and Hyperinsulinemia of African-American Children? Pediatric Diabetes 6: 100-102, 2005. [PMID: 15963038]
- 15)* Gungor N, Bacha F, Saad R, Janosky J, **Arslanian S**: Youth Type 2 Diabetes Mellitus: Insulin Resistance, β-cell Failure or Both? Diabetes Care 28: 638-644, 2005. [PMID: 15735201]
- 16)* Gungor N, Thompson T, Sutton-Tyrrell K, Janosky J., **Arslanian S**: Early Signs of Cardiovascular Disease in Youth With Obesity and Type 2 Diabetes. Diabetes Care 28: 1219-1221, 2005. [PMID: 15855596]
- 17)* Saad R, Gungor N, **Arslanian S**: Progression From Normal Glucose Tolerance to Type 2 Diabetes in a Young Girl: Longitudinal Changes in Insulin Sensitivity and Secretion Assessed by the Clamp Technique and Surrogate Estimates. Pediatric Diabetes 6: 95-99, 2005. [PMID: 15963037]
- 18)* Andreacci JL, Robertson RJ, Dubé JJ, Aaron, DJ, Dixon CB, **Arslanian, SA**: Comparison of Maximal Oxygen Consumption Between Obese Black and White Adolescents. Pediatr Res 58: 478-482, 2005. [PMID: 16148060]
- 19)* Balasekaran G, Robertson RJ, Goss FL, Suprasongsin C, Danadian K, Govindaswamy V, **Arslanian SA**: Short-Term Pharmacologically Induced Growth Study of Ontogenetic Allometry of Oxygen Uptake in Children. Annals of Human Biology 36(6): 746-759, 2005. [PMID: 16418048]
- 20)* Lee S, Bacha F, Gungor N, **Arslanian SA**: Racial Differences in Adiponectin in Youth: Relationship to Visceral Fat and Insulin Sensitivity. Diabetes Care 29:51-56, 2006. [PMID: 16373895]
- 21)* Lee S, Bacha F, Gungor N, **Arslanian SA**: Waist Circumference is an Independent Predictor of Insulin Resistance in Black and White Youths. J Pediatr 148:188-194, 2006. [PMID: 16492427]
- 22)* Bacha F, Saad R, Gungor N, **Arslanian SA**: Are Obesity Related Metabolic Risk Factors Modulated by the Degree of Insulin Resistance in Adolescents? Diabetes Care 29: 1599-1604, 2006. [PMID: 16801585]
- 23)* Bacha F, **Arslanian S**: Ghrelin and Peptide YY in Youth: Are There Race-Related Differences? J Clin Endocrinol Metab 91: 3117-3122, 2006. [PMID: 16720664]
- 24)* Lee S, Bacha F, Gungor N, **Arslanian SA:** Cardiorespiratory Fitness in Youth: Relationship to Insulin Sensitivity and β-Cell Function. Obesity 14:1579-1585, 2006. [PMID: 17030969]
- 25)* Lee SJ, Bacha F, **Arslanian S**: Waist Circumference and Blood Pressure and Lipid Components of the Metabolic Syndrome. J Pediatr 149: 809-816, 2006, Subject of an Editorial in J Pediatrics. [PMID: 17137898]
- 26)* Hannon TS, Bacha F, Lee SJ, Janosky J, **Arslanian SA**: Use of Markers of Dyslipidemia

- to Identify Overweight Youth with Insulin Resistance. Pediatric Diabetes 7: 260-266, 2006. [PMID: 17054447]
- 27)* Hannon TS, Janosky J, **Arslanian SA:** Longitudinal Study of Physiologic Insulin Resistance and Metabolic Changes of Puberty. Pediatr Res 60: 1-5, 2006. [PMID: 17065576]
- 28)* Lee S, **Arslanian S:** Cardiorespiratory Fitness and Abdominal Adiposity in Youth. Eur J Clin Nutr 61: 561-565, 2007. [PMID: 17030969]
- 29)* Sun S, Grave G, Siervogel R, Pickoff A, **Arslanian S,** Daniels S: Systolic Blood Pressure in Childhood Predicts Hypertension and Metabolic Syndrome Later in Life. Pediatrics 119: 237-246, 2007. [PMID: 17272612]
- 30)* Lee S, Bacha F, Gungor N, **Arslanian S**: Insulin Resistance: Link to the Components of the Metabolic Syndrome and Biomarkers of Endothelial Dysfunction in Youth. Diabetes Care 30 (8):2091-2097, 2007.[PMID: 17475936]
- 31)* Hannon TS, Danadian K, Suprasongsin C, **Arslanian S**: Growth Hormone Treatment in Adolescent Males with Idiopathic Short Stature: Changes in Body Composition, Protein, Fat, and Glucose Metabolism. J Clin Endocrinol Metab 92 (8): 3033-3039, 2007. [PMID: 17519313]
- 32)* Lee S, Bacha, F, Gungor N, **Arslanian S**: Comparison of Different Definitions of Pediatric Metabolic Syndrome: Relation to Abdominal Adiposity, Insulin Resistance, Adiponectin, and Inflammatory Biomarkers. J Pediatr 152: 177-184, 2008. [PMID: 18206686]
- 33)* Lee S, Kuk J, Hannon TS, **Arslanian S**: Race, and Gender Differences in the Relationships Between Anthropometrics and Abdominal Fat in Youth. Obesity 16: 1066-1071, 2008. [PMID: 18356853]
- 34)* Bacha F, Gungor N, **Arslanian S**: Measures of □-Cell Function During the Oral Glucose Tolerance Test, Liquid Mixed-Meal Test, and Hyperglycemic Clamp Test. J Pediatr 152: 618- 621, 2008. Subject of an Editorial by P.S. Zeitler and K. Nadeau in J Pediatr 152: 603-604, 2008.
- 35)* Chase H, **Arslanian S**, White N, Tamborlane W: Insulin Glargine VS Intermediate-Acting Insulin as the Basal Component of Multiple Daily Injection Regimens for Adolescents With Type 1 Diabetes. J Pediatr 153: 547-553, 2008. [PMID: 18589448]
- 36)* Hannon TS, Bacha F, Lin Y, **Arslanian S**: Hyperinsulinemia in African-American Adolescents Compared with their American White Peers Despite Similar Insulin Sensitivity: A Reflection of Upregulated Beta-Cell Function? Diabetes Care 31: 1445-1447, 2008. [PMID: 18417751]
- 37)* Sun SS, Liang R, Huang TT, Daniels SR, **Arslanian S**, Liu K, Grave GD, Siervogel RM: Childhood Obesity Predicts Adult Metabolic Syndrome: The Fels Longitudinal Study. Pediatr 152: 191-200, 2008. [PMID: 18206688]
- 38)* Tfayli H, **Arslanian S**: Menstrual Health and the Metabolic Syndrome in Adolescents. Ann N.Y. Acad Sci 1135: 85-94, 2008. [PMID: 18574212].

- 39)* Libman IM, Barinas-Mitchell E, Bartucci A, Robertson R, **Arslanian S**: Reproducibility of the Oral Glucose Tolerance Test in Overweight Children. J Clin Endocrinol Metab 93: 4231- 4237, 2008. [PMID: 18713820]
- 40)* Lee S, **Arslanian S**: Fat Oxidation in Black and White Youth: A Metabolic Phenotype Potentially Predisposing Black Girls to Obesity. J Clin Endocrinol Metab 93:4547-4551, 2008. [PMID: 18782873]
- 41)* Rofey DL, Szigethy E, Noll R, Dahl R, **Arslanian S**: Cognitive Behavioral Therapy for Adolescents with Polycystic Ovary Syndrome: A Pilot Study. J Pediatr Psychol 34: 156-163, 2009. [PMID: 18556675]
- 42)* White NH, Chase HP, **Arslanian S**, Tamborlane WV: A Comparison of Glycemic Variability Associated With Insulin Glargine and Intermediate-Acting Insulin When Used as the Basal Component of Multiple Daily Injections for Adolescents With Type 1 Diabetes. Diabetes Care 32: 387-393, 2009. [PMID: 19106380]
- 43)* Bacha F, Gungor N, Lee S, **Arslanian SA**: In Vivo Insulin Sensitivity and Secretion in Obese Youth: What are the Differences Between NGT, IGT and Type 2 Diabetes? Diabetes Care 32: 100-105, 2009. [PMID: 18835946].
- 44)* Burns S, Kelsey S, **Arslanian SA**: Effects of an Intravenous Lipid Challenge and Free Fatty Acid (FFA) Elevation on *in vivo* Insulin Sensitivity in African American vs. American White Adolescents. Diabetes Care 32: 355-360, 2009. [PMID: 19017772].
- 45)* Tfayli H, Bacha F, Gungor N, **Arslanian S**: Phenotypic Type 2 Diabetes in Obese Youth: Insulin Sensitivity and Secretion in Islet-cell Antibody Negative vs. Antibody Positive Patients. Diabetes 58: 738-744, 2009. [PMID: 19073767].
- 46)* Kalarchian MA, Levine MD, **Arslanian SA**, Ewing LJ, Houck PR, Cheng Y, Ringham RM, Sheets CA, Marcus MD: Family-Based Treatment of Severe Pediatric Obesity: Randomized, Controlled Trial. Pediatrics 124: 1060-1068, 2009. [PMID: 19786444]
- 47)* Burns SF, Lee S, **Arslanian SA**: In-vivo Insulin Sensitivity and Lipoprotein Particle Size and Concentration in Black and White Children. Diabetes Care 32: 2087-2093, 2009. [PMID: 19675203]
- 48)* Burns SF, **Arslanian SA**: Waist Circumference, Atherogenic Lipoproteins and Vascular Smooth Muscle Biomarkers in Children. J Clin Endocrinol Metab 94: 4914-4922, 2009. [PMID: 19846736]
- 49)* Tfayli H, Bacha F, Gungor N, **Arslanian S**: Islet-Cell Antibody Positive vs. Negative Phenotypic Type 2 Diabetes Mellitus (T2DM) in Youth: Does The Oral Glucose Tolerance Test (OGTT) Distinguish Between the Two? Diabetes Care 33: 632-638, 2010. [PMID: 20028940]
- 50)* Downs JS, **Arslanian S,** Bruine de Bruin W, Carr Copeland V, Doswell W, Herman W, Lain K, Mansfield J, Murray PJ, White N, Charron-Prochownik D: Implications of Type 2 Diabetes on Adolescent Reproductive Health Risk: An Expert Model. The Diabetes Educator 36: 911-919, 2010.[PMID: 20944055]

- 51)* Smith RJ, Nathan DM, **Arslanian SA**, Groop L, Rizza RA, Rotter JI: Individualizing Therapies in Type 2 Diabetes Mellitus Based on Patient Characteristics: What We Know and What We Need to Know. J Clin Endocrinol Metab 95: 1566-1574, 2010. [PMID: 20194712]
- 52)* Lee S, Guerra N, **Arslanian S**: Skeletal Muscle Lipid Content and Insulin Sensitivity in Black Versus White Obese Adolescents: Is There a Race Differential? J Clin Endocrinol Metab 95: 2426-2432, 2010. [PMID: 20219892]
- 53)* Bacha F, Lee S, Gungor N, **Arslanian S**: From Prediabetes to Type 2 Diabetes in Obese Youth: Pathophysiological Characteristics Along the Spectrum of Glucose Dysregulation. Diabetes Care 33: 2225-2231, 2010. [PMID: 20592052]
- 54)* Tfayli H, Lee S, **Arslanian S**: Declining β-Cell Function Relative to Insulin Sensitivity With Increasing Fasting Glucose Levels in the Nondiabetic Range in Children. Diabetes Care 33: 2024-2030, 2010. [PMID: 20805276]
- 55)* Libman I, Barinas-Mitchell E, Bartucci A, Chaves-Gnecco D, Robertson R, **Arslanian S**: Fasting and 2-hour Plasma Glucose and Insulin: Relationship with Risk Factors for Cardiovascular Disease (CVD) in Overweight Non-Diabetic Children. Diabetes Care 33: 2674-2676, 2010. [PMID: 21115769]
- 56)* Levy-Marchal C, **Arslanian S**, Cutfield W, SinaikoA, Druet C, Marcovecchio ML, Chiarelli F, on behalf of ESPE-LWPES-ISPAD-APPES-APEG-SLEP-JSPE and the Insulin Resistance in Children Consensus Conference Group: Insulin Resistance in Children: Consensus, Perspective, and Future Directions. J Clin Endocrinol Metab 95: 5189-5198, 2010. [PMID: 20829185]
- 57)* Hannon T, Lee S, Chakravorty S, Lin Y, **Arslanian S**: Sleep-Disordered Breathing in Obese Adolescents is Associated with Visceral Adiposity and Markers of Insulin Resistance. International Journal of Pediatric Obesity 6: 157-160, 2011. [PMID: 20545482]
- 58)* Libman IM, Barinas-Mitchell E, Marcovina S, Bacha F, Hannon T, Tfayli H, Lee SJ, Bansal S, Robertson, **Arslanian S**: β-Cell Autoimmunity in Overweight Non-Diabetic Youth: Any Implications? Pediatric Diabetes 12: 207-211, 2011. [PMID: 21518410]
- 59)* Lee S, Kuk JL, Kim Y, **Arslanian SA**: Measurement Site of Visceral Adipose Tissue and Prediction of Metabolic Syndrome in Youth. Pediatric Diabetes 12: 250-257, 2011. [PMID: 21129140]
- 60)* Philotheou A, **Arslanian S**, Blatniczky L, Peterkova V, Souhami E, Danne T: Comparable Efficacy and Safety of Insulin Glulisine and Insulin Lispro When Given as Part of a Basal-Bolus Insulin Regimen in a 26-Week Trial in Pediatric Patients with Type 1 Diabetes. Diabetes Technology and Therapeutics 13: 327-334, 2011. [PMID: 21291333]
- 61)* Tfayli H, Ulnach JW, Lee S, Sutton-Tyrrell K, **Arslanian S**: Drospirenone/Ethinyl Estradiol Versus Rosiglitazone Treatment in Overweight Adolescents with Polycystic Ovary Syndrome: Comparison of Metabolic, Hormonal, and Cardiovascular Risk

- Factors. J Clin Endocrinol Metab 96: 1311-1319, 2011. [PMID: 21325466]
- 62)* Tfayli H, Lee SJ, Bacha F, **Arslanian S**: One-Hour Plasma Glucose Concentration During the OGTT: What Does it Tell About β-Cell Function Relative to Insulin Sensitivity in Overweight/Obese Children? Pediatric Diabetes 12: 572-579, 2011. [PMID: 21466647]
- 63)* Rajakumar K, de Las Heras J, Chen TC, Lee SJ, Holick MF, **Arslanian S:** Vitamin D Status, Adiposity and Lipids in Black American and White Caucasian Children. J Clin Endocrinol Metab 96: 1560-1567, 2011. [PMID: 21367931]
- 64)* George L, Bacha F, Lee S, Tfayli H, Andreatta E, **Arslanian S:** Surrogate Estimates of Insulin Sensitivity in Obese Youth Along the Spectrum of Glucose Tolerance from Normal to Prediabetes to Diabetes. J Clin Endocrinol Metab 96: 2136-2145, 2011. [PMID: 21508130]
- 65)* De Las Heras J, Lee S, Bacha F, Tfayli H, **Arslanian S**: Cross-Sectional Association Between Blood Pressure, in vivo Insulin Sensitivity and Adiponectin in Overweight Adolescents. Horm Res Paediatr 76: 379-385, 2011. [PMID: 21968570]
- 66)* Burns SF, Bacha F, Lee SJ, Tfayli H, Gungor N, **Arslanian S**: Declining β-Cell Function Relative to Insulin Sensitivity with Escalating Oral Glucose Tolerance Test 2-h Glucose Concentrations in the Nondiabetic Through the Diabetic Range in Overweight Youth. Diabetes Care 34: 2033-2040, 2011. [PMID: 21750275]
- 67)* Hannon TS, Rofey DL, Ryan CM, Clapper D, Chakravorty S, Arslanian SA: Relationships Between Obstructive Sleep Apnea, Anthropometric Measures, and Neurocognitive Functioning in Adolescents with Severe Obesity. J Pediatr 160: 732-735, 2012. [PMID: 22137667]
- 68)* Hannon T, **Arslanian S**: Differences in Stimulated Androgen Levels in Black and White Obese Adolescent Females. J Pediatr Adolesc Gynecol 25: 82-85, 2012. [PMID: 22088317]
- 69)* Lee S, Kim Y, Kuk J, Boada FE, **Arslanian S**: Whole-Body MRI and Ethnic Differences in Adipose Tissue and Skeletal Muscle Distribution in Overweight Black and White Adolescent Boys. J Obes In Press 2013. [PMID: 21772999]
- 70)* Bacha F, Gungor N, Lee S, **Arslanian SA**: Type 2 Diabetes in Youth: Are There Racial Differences in β-Cell Responsiveness Relative to Insulin Sensitivity? Pediatr Diabetes 13: 259-265, 2012. [PMID: 21933317]
- 71)* Ward BR, **Arslanian SA**, Andreatta E, Schwartz LB: Obesity is Not Linked to Increased Whole-Body Mast Cell Burden in Children. J Allergy Clin Immunol 129: 1164-1166, 2012. [PMID: 22244600]
- 72)* Rajakumar K, De Las Heras J, Lee SJ, Holick M, **Arslanian SA:** 25-Hydroxyvitamin D Concentrations and In Vivo Insulin Sensitivity and ß-cell Function Relative to Insulin Sensitivity in Black and White Youth. Diabetes Care 35: 627-633, 2012. [PMID: 22238280]

- 73)* Mihalik SJ, Michaliszyn SF, De Las Heras J, Bacha F, Lee SJ, Chace DH, DeJesus VR, Vockley J, **Arslanian SA**: Metabolic Profiling of Fatty Acid and Amino Acid Metabolism in Youth With Obesity and Type 2 Diabetes. Diabetes Care 35: 605-611, 2012. [PMID: 22266733]
- 74)* Sjaarda LG, Bacha F, Lee S, Tfayli H, Andreatta E, **Arslanian S**: Oral Disposition Index in Obese Youth from Normal to Prediabetes to Diabetes: Relationship to Clamp Disposition Index. J Pediatr 16: 51-57, 2012. [PMID: 22325254]
- 75)* Sun SS, Sabo R, **Arslanian S**, Wu R: Age Variation and Sexual Dimorphism in the Sixteen Diagnostic Clusters of Risk Factors for the Metabolic Syndrome. Z Gesundh Wiss, 20: 487-497, 2012. [PMID: 23002329]
- 76)* Sabo RT, Lu Z, Deng X, Ren C, Daniels S, **Arslanian S**, Sun S: Parental and Offspring Associations of the Metabolic Syndrome in the Fels Longitudinal Study. Am J Clin Nutr 96: 461-466, 2012. [PMID: 22811445]
- 77)* Jakubowski KP, Black JJ, El Nokali NE, Belendium KA, Hannon T, **Arslanian S**, Rofey DL: Parents' Readiness to Change Affects BMI Reduction Outcomes in Adolescents with Polycystic Ovary Syndrome. J Obes 2012: 298067, 2012 [PMID: 22970350]
- 78)* Lee S, Bacha F, Hannon T, Kuk JL, Boesch C, **Arslanian S**: Effects of Aerobic Versus Resistance Exercise Without Caloric Restriction on Abdominal Fat, Intrahepatic Lipid, and Insulin Sensitivity in Obese Adolescent Boys. A Randomized, Controlled Trial. Diabetes 61: 2787-2795, 2012. [PMID: 22751691]
- 79)* Burns SF, Lee SJ, **Arslanian SA**: Surrogate Lipid Markers for Small Dense Low-Density Lipoprotein Particles in Overweight Youth. J Pediatr 161: 991-996, 2012. [PMID: 22809659]
- 80)* Sjaarda LA, Michaliszyn SF, Lee S, Tfayli H, Bacha F, Farchoukh L, Arslanian S: HbA1c Diagnostic Categories and β-Cell Function Relative to Insulin Sensitivity in Overweight/Obese Adolescents. Diabetes Care 35: 2559-2563, 2012. [PMID: 22912428]
- 81)* Michaliszyn SF, Sjaarda LA, Mihalik SF, Lee S, Bacha F, Chace DH, De Jesus VR, Vockley J, **Arslanian S:** Metabolomic Profiling of Amino Acids and β-Cell Function Relative to Insulin Sensitivity in Youth. J Clin Endocrinol Metab 97: E2119-2124, 2012. [PMID: 22977272]
- 82)* Lee S, Kim Y, White DA, Kuk JL, **Arslanian S**: Relationships Between Insulin Sensitivity, Skeletal Muscle Mass and Muscle Quality in Obese Adolescent Boys. Eur J Clin Nutr 66: 1366-1368, 2012. [PMID: 23073260]
- 83)* Lee S, Boesch C, Kuk JL, **Arslanian S**: Effects of an Overnight Intravenous Lipid Infusion on Intramyocellular Lipid Content and Insulin Sensitivity in African-American Versus Caucasian Adolescents. Metabolism 62: 417-423, 2013. [PMID: 23122836]
- 84)* Bacha F, Gungor N, Lee S, **Arslanian S**: Progressive Deterioration of β-cell Function in Obese Youth with Type 2 Diabetes. Pediatr Diabetes, 14: 106-111, 2013. [PMID: 22913617]

- 85)* De Las Heras J, Rajakumar K, Lee S, Bacha F, Holick MF, **Arslanian SA**: 25-Hydroxyvitamin D in Obese Youth Across the Spectrum of Glucose Tolerance from Normal to Pre- Diabetes to Type 2 Diabetes. Diabetes Care, 36: 2048-2053, 2013. [PMID: 23340897]
- 86)* Bacha F, Gungor N, Lee S, de Las Heras J, **Arslanian S**: Indices of Insulin Secretion During a Liquid Mixed-Meal Test in Obese Youth with Diabetes. J Pediatr 162: 924-929, 2013. [PMID: 23290511]
- 87)* Sjaarda L, Lee S, Tfayli H, Bacha F, Bertolet M, **Arslanian S**: Measuring β-Cell Function Relative to Insulin Sensitivity in Youth: Does the Hyperglycemic Clamp Suffice? Diabetes Care 36:1607-1612, 2013. [PMID: 23275361]
- 88)* Hannon TS, Rofey DL, Lee S, **Arslanian S**: Depressive Symptoms and Metabolic Markers of Risk for Type 2 Diabetes in Obese Adolescents. Pediatr Diabetes 14(7):497-503, 2013. [PMID: 23551914]
- 89)* Hughan KS, Bonadonna RC, Lee S, Michaliszyn SF, **Arslanian SA**: β-Cell Lipotoxicity After an Overnight Intravenous Lipid Challenge and Free Fatty Acid Elevation in African American Versus American White Overweight/Obese Adolescents. J Clin Endocrinol Metab 98: 2062-2069, 2013. [PMID: 23526462]
- 90)* Lee S, Burns SF, White D, Kuk JL, **Arslanian S:** Effects of Acute Exercise on Postprandial Triglyceride Response After a High-Fat Meal in Overweight Black and White Adolescents. Int J Obes 37(7): 966-971, 2013. [PMID: 23507997].
- 91)* Michaliszyn SF, Bonadonna RC, Sjaarda L, Lee S, Farchouch L, **Arslanian S**: β-Cell Lipotoxicity in Response to Free Fatty Acid Elevation in Youth: African American Versus Caucasian Contrast. Diabetes 62: 2917-2922, 2013. [PMID: 23557704]
- 92)* Michaliszyn SF, Lee S, Tfayli H, **Arslanian S**: Polycystic Ovary Syndrome and Nonalcholic Fatty Liver in Obese Adolescents: Association with Metabolic Risk Profile. Fertil Steril 100(6):1745-1751, 2013. [PMID: 24034940]
- 93)* Lee S, Deldin AR, White D, YoonMyung K, Libman I, Rivera-Vega M, Kuk JL, Sandoval S, Boesch C, **Arslanian S:** Aerobic Exercise but not Resistance Exercise Reduces Intrahepatic Lipid Content and Visceral Fat and Improves Insulin Sensitivity in Obese Adolescent Girls: A Randomized Controlled Trial. Am J Physiol 305(10):E122-1229 2013. [PMID: 24045865]
- 94)* Legro RS, **Arslanian S**, Ehrmann DA, Hoeger KM, Murad MH, Pasquali R, Welt CK: Diagnosis and Treatment of Polycystic Ovary Syndrome: An Endocrine Society Clinical Practice Guideline. J Clin Endocrinol Metab 98(12):4565-4592, 2013. [PMID: 24151290]
- 95)* Hannon TS, Tu W, Watson SE, Jalou H, Chakravorty S, **Arslanian S**: Morning Blood Pressure is Associated with Sleep Quality in Obese Adolescents. J Pediatr. E-Pub Ahead of print 2013.

D. Research Support

Ongoing Research Support

<u>UL1 RR024153</u> (PI: Reis) 09/30/06-06/30/15

NIH (Arslanian: Pediatric Program Director)

Clinical and Translational Science Award

This grant provides inpatient and outpatient research facilities related to disorders of infancy, childhood and adolescence, and supports clinical and patient-oriented research.

IU01 DK61254 (PI: Arslanian)

09/30/01-02/28/15

NIH/NIDDK

Studies to Treat or Prevent Pediatric Type 2 Diabetes (STOPP-T2D) - TODAY

This multicenter grant aims to investigate the best approach in treating type 2 diabetes in children.

<u>U01DK061230</u> (PI: Arslanian)

03/01/08-02/28/15

NIH/NIDDK

Studies to Treat or Prevent Pediatric Type 2 Diabetes (STOPP-T2D) - Genetics

The TODAY Genetics Study aims to collect blood samples and phenotypic information to be used to explore relationships between candidate genes and type 2 diabetes, obesity, and insulin resistance.

W81 XWH-06-2-0024 (PI: Arslanian)

09/01/09-11/31/15

Department of Defense

Weight Management & Wellness Center

This funding provides support for a pediatric obesity intervention and treatment program using clinically applicable approaches based on family-based behavioral lifestyle intervention.

1U01DK094467-01 (PI: Arslanian)

9/24/11-6/30/16

University of Colorado Denver (NIH)

Brief Intensive Glycemic Control & Beta Cell Function in Pediatric Type 2 Diabetes

The central theme of this proposal is that desensitization of the beta cell to changes in glucose levels (glucotoxicity) may contribute to alteration in dynamics of insulin secretion.

1R01 HL112985-01A1 (Co-I) (Rajakumar Kumaravel MD: PI)

12/2012-11/2017

Vitamin D and Vascular Function in Obese Children

This grant investigates the effects of Vit. D supplementation on CVD/dysmetabolic syndrome in obese youth.

1R01HL114857-01 (Co-I) (SoJung Lee Ph.D: PI)

8/2013-5/2018

Resistance and Cardiorespiratory Time-matched Exercise in Youth: A Randomized Controlled Trial

This grant aims to investigate the effects of exercise without weight loss on Type 2 diabetes and CVD risk markers in obese youth.

MR2013-67327 Pittsburgh Foundation (PI: Arslanian)

10/2013-02/2015

Testing and Resources for an Integrated System of Pediatric Weight Management Interventions This grant investigates community measures in preventing and treating childhood obesity.

Completed Research Support

2K24 HD/DK01357 (PI: Arslanian)

05/01/00-11/30/12

NIH/NICHD

Insulin Resistance in Childhood

The goal of this K-24 mid-career award in POR was to investigate insulin resistance and beta cell function during childhood growth and development, and to mentor young upcoming scientists in POR.

2 R01 HD027503 (PI: Arslanian)

07/01/97-06/22/11

NIH/NIHCD

Childhood Metabolic Markers of Adult Morbidity in Blacks.

The goal of this grant is to investigate race related differences in insulin sensitivity and insulin secretion in black vs. white children. The ultimate goal is to understand the higher risk of obesity and type 2 diabetes in blacks.

<u>1R21 DK083654</u> (PI: SoJung Lee, Ph.D., Co-I: Arslanian)

07/01/10-06/30/12

NIDDK

Physical Activity in Overweight Girls: Implications for Reversing Risk Factors for Type 2 Diabetes

This project aims to test if a regular physical activity intervention program in obese adolescent girls can reverse the risk factors for type 2 diabetes through improving insulin sensitivity and secretion.

Revised 2-7-2013 SA