Stanford



Darrell Wilson

Professor of Pediatrics (Endocrinology) at the Lucile Salter Packard Children's Hospital, Emeritus

Pediatrics - Endocrinology

NIH Biosketch available Online Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine General Pediatrics**

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Bio

CLINICAL FOCUS

- Endocrinology/Diabetes, Pediatric
- Pediatric Endocrinology

ACADEMIC APPOINTMENTS

- Professor Emeritus-Hourly, Pediatrics - Endocrinology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Member, Stanford Diabetes Research Center, (2017- present)
- Chief, Division of Pediatric Endocrinology and Diabetes, (2004-2015)

HONORS AND AWARDS

- See CV at this site, See CV at this site (present)

PROFESSIONAL EDUCATION

- Internship: Stanford University School of Medicine (1978) CA
- Board Certification: Pediatric Endocrinology, American Board of Pediatrics (2017)
- Fellowship: Stanford University School of Medicine (1984) CA
- Residency: Stanford University School of Medicine (1980) CA
- Board Certification, American Board of Pediatrics , Pediatrics (1982)
- Board Certification, American Board of Pediatrics , Pediatric Endocrinology (1995)
- Medical Education: UCSD Medical Center (1977) CA

PATENTS

- Bruce Buckingham, Darrell Wilson. "United States Patent 14/175,020 Kalman Filter Based On-Off Switch for Insulin Pump", Stanford

LINKS

- Divisional Site: http://dped.stanford.edu

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests cover a number of areas in Pediatric Endocrinology and Diabetes. I am PI of the Stanford Center for the NIH-funded Type-1 Diabetes TrialNet group. TrialNet conducts clinical trials directed at preventing or delaying the onset of Type 1 diabetes. I am an investigator in DirecNet, another NIH-funded study group, which is devoted to evaluating glucose sensors and the role of technology on the management of diabetes.

CLINICAL TRIALS

- TrialNet Pathway to Prevention of T1D, Recruiting
- Comparison of Transdermal and Oral Estrogens in Adolescent Girls With Ovarian Failure, Not Recruiting
- Diabetes Autoimmunity Withdrawn In New Onset and In Established Patients, Not Recruiting
- Glaser Obesity Study, Not Recruiting
- Hybrid Closed Loop Therapy and Verapamil for Beta Cell Preservation in New Onset Type 1 Diabetes, Not Recruiting
- Hydroxychloroquine in Individuals At-risk for Type 1 Diabetes Mellitus, Not Recruiting
- Pilot Study to Evaluate a Method of Controlling High Blood Sugar in the Pediatric Intensive Care Unit, Not Recruiting
- Teplizumab for Prevention of Type 1 Diabetes In Relatives "At-Risk", Not Recruiting
- Tocilizumab (TCZ) in New-onset Type 1 Diabetes, Not Recruiting

Publications

PUBLICATIONS

- **CGM has Similar Predictive Performance to OGTT for Monitoring Early-Stage Type 1 Diabetes.** *The Journal of clinical endocrinology and metabolism*
  Steck, A. K., Dong, F., Pyle, L., Vigers, T., Wilson, D. M., Simmons, K. M., Rewers, M. J., Frohnert, B. I.
  2026

- **Phase I Clinical Trial of Islet Antigen-Specific Plasmid Coexpressing Tolerogenic Proteins Demonstrates Safety in Adults With Type 1 Diabetes.** *Diabetes*
  Greenbaum, C. J., Long, S. A., Gitelman, S. E., Gaglia, J. L., Daniels, M., Brusko, T. M., Lord, S., Bundy, B. N., Krischer, J. P., Haller, M. J., Steck, A. K., DiMeglio, L. A., Evans-Molina, et al
  2026

- **Continuous glucose monitor metrics from five studies identify participants at risk for type 1 diabetes development.** *Diabetologia*
  Calhoun, P., Spanbauer, C., Steck, A. K., Frohnert, B. I., Herman, M. A., Keymeulen, B., Veijola, R., Toppari, J., Desouter, A., Gorus, F., Atkinson, M., Wilson, D. M., Pietropaolo, et al
  2025

- **The Unfolding Story of Protein Misfolding Causing Alzheimer Disease in Recipients of Human Pituitary Growth Hormone.** *Journal of the Endocrine Society*
  Graber, E. G., Hosseini, S. M., Wilson, D. M., Rogol, A. D.
  2025; 9 (3): bvaf029

- **Diabetic ketoacidosis (DKA) at diagnosis in youth with type 1 diabetes (T1D) is associated with a higher hemoglobin A1c even with intensive insulin management.** *Diabetes technology & therapeutics*
  Zaharieva, D. P., Ding, V., Addala, A., Prahalad, P., Bishop, F., Hood, K., Desai, M., Wilson, D. M., Buckingham, B. A., Maahs, D. M.

2023

- **Abatacept for Delay of Type 1 Diabetes Progression in Stage 1 Relatives at Risk: A Randomized, Double-Masked, Controlled Trial.** *Diabetes care*

  Russell, W. E., Bundy, B. N., Anderson, M. S., Cooney, L. A., Gitelman, S. E., Goland, R. S., Gottlieb, P. A., Greenbaum, C. J., Haller, M. J., Krischer, J. P., Libman, I. M., Linsley, P. S., Long, et al

  2023

- **CGM Metrics Identify Dysglycemic States in Participants From the TrialNet Pathway to Prevention Study.** *Diabetes care*

  Wilson, D. M., Pietropaolo, S. L., Acevedo-Calado, M., Huang, S., Anyaiwe, D., Scheinker, D., Steck, A. K., Vasudevan, M. M., McKay, S. V., Sherr, J. L., Herold, K. C., Dunne, J. L., Greenbaum, et al

  2023

- **IL-6 receptor blockade does not slow beta cell loss in new-onset type 1 diabetes.** *JCI insight*

  Greenbaum, C. J., Serti, E., Lambert, K., Weiner, L. J., Kanaparthi, S., Lord, S., Gitelman, S. E., Wilson, D. M., Gaglia, J. L., Griffin, K. J., Russell, W. E., Raskin, P., Moran, et al

  2021; 6 (21)

- **A community-based, multi-level, multi-setting, multi-component intervention to reduce weight gain among low socioeconomic status Latinx children with overweight or obesity: The Stanford GOALS randomised controlled trial.** *The lancet. Diabetes & endocrinology*

  Robinson, T. N., Matheson, D., Wilson, D. M., Weintraub, D. L., Banda, J. A., McClain, A., Sanders, L. M., Haskell, W. L., Haydel, K. F., Kapphahn, K. I., Pratt, C., Truesdale, K. P., Stevens, et al

  2021

- **Predicting Success with a First-Generation Hybrid Closed Loop Artificial Pancreas System among Children, Adolescents, and Young Adults with Type 1 Diabetes: a Model Development and Validation Study.** *Diabetes technology & therapeutics*

  Forlenza, G. P., Vigers, T., Berget, C., Messer, L., Lal, R. A., Basina, M., Maahs, D. M., Hood, K., Buckingham, B. A., Wilson, D. M., Wadwa, R. P., Driscoll, K. A., Pyle, et al

  2021

- **Sensitive detection of multiple islet autoantibodies in type 1 diabetes using small sample volumes by agglutination-PCR.** *PloS one*

  Cortez, F. d., Gebhart, D., Robinson, P. V., Seftel, D., Pourmandi, N., Owyoung, J., Bertozzi, C. R., Wilson, D. M., Maahs, D. M., Buckingham, B. A., Mills, J. R., Roforth, M. M., Pittock, et al

  2020; 15 (11): e0242049

- **One Year Clinical Experience of the First Commercial Hybrid Closed-Loop.** *Diabetes care*

  Lal, R. A., Basina, M. n., Maahs, D. M., Hood, K. n., Buckingham, B. n., Wilson, D. M.

  2019

- **Sustained Continuous Glucose Monitor Use in Low-Income Youth with Type 1 Diabetes Following Insurance Coverage Supports Expansion of Continuous Glucose Monitor Coverage for All.** *Diabetes technology & therapeutics*

  Prahalad, P., Addala, A., Buckingham, B., Wilson, D. M., Maahs, D. M.

  2018

- **Predictive hyperglycemia and hypoglycemia minimization: In-home double-blind randomized controlled evaluation in children and young adolescents** *PEDIATRIC DIABETES*

  Forlenza, G. P., Raghinaru, D., Cameron, F., Bequette, B., Chase, H., Wadwa, R., Maahs, D. M., Jost, E., Ly, T. T., Wilson, D. M., Norlander, L., Ekhlaspour, L., Min, et al

  2018; 19 (3): 420–28

- **Predictive Hyperglycemia and Hypoglycemia Minimization: In-Home Evaluation of Safety, Feasibility, and Efficacy in Overnight Glucose Control in Type 1 Diabetes.** *Diabetes care*

  Spaic, T., Driscoll, M., Raghinaru, D., Buckingham, B. A., Wilson, D. M., Clinton, P., Chase, H. P., Maahs, D. M., Forlenza, G. P., Jost, E., Hramiak, I., Paul, T., Bequette, et al

  2017; 40 (3): 359-366

- **Variations in Brain Volume and Growth in Young Children With Type 1 Diabetes.** *Diabetes*

  Mazaika, P. K., Weinzimer, S. A., Mauras, N., Buckingham, B., White, N. H., Tsalikian, E., Hershey, T., Cato, A., Aye, T., Fox, L., Wilson, D. M., Tansey, M. J., Tamborlane, et al

  2016; 65 (2): 476-485

- **Overnight glucose control with an automated, unified safety system in children and adolescents with type 1 diabetes at diabetes cAMP.** *Diabetes care*
  Ly, T. T., Breton, M. D., Keith-Hynes, P., De Salvo, D., Clinton, P., Benassi, K., Mize, B., Chernavvsky, D., Place, J., Wilson, D. M., Kovatchev, B. P., Buckingham, B. A.
  2014; 37 (8): 2310-2316

- **A Randomized Trial of a Home System to Reduce Nocturnal Hypoglycemia in Type 1 Diabetes** *DIABETES CARE*
  Maahs, D. M., Calhoun, P., Buckingham, B. A., Chase, H. P., Hramiak, I., Lum, J., Cameron, F., Bequette, B. W., Aye, T., Paul, T., Slover, R., Wadwa, R. P., Wilson, et al
  2014; 37 (7): 1885-1891

- **Costimulation Modulation With Abatacept in Patients With Recent-Onset Type 1 Diabetes: Follow-up 1 Year After Cessation of Treatment** *DIABETES CARE*
  Orban, T., Bundy, B., Becker, D. J., Dimeglio, L. A., Gitelman, S. E., Goland, R., Gottlieb, P. A., Greenbaum, C. J., Marks, J. B., Monzavi, R., Moran, A., Peakman, M., Raskin, et al
  2014; 37 (4): 1069-1075

- **Antigen-based therapy with glutamic acid decarboxylase (GAD) vaccine in patients with recent-onset type 1 diabetes: a randomised double-blind trial** *LANCET*
  Wherrett, D. K., Bundy, B., Becker, D. J., Dimeglio, L. A., Gitelman, S. E., Goland, R., Gottlieb, P. A., Greenbaum, C. J., Herold, K. C., Marks, J. B., Monzavi, R., Moran, A., Orban, et al
  2011; 378 (9788): 319-327

- **Persistence of Individual Variations in Glycated Hemoglobin Analysis of data from the Juvenile Diabetes Research Foundation Continuous Glucose Monitoring Randomized Trial** *DIABETES CARE*
  Wilson, D. M., Xing, D., Cheng, J., Beck, R. W., Hirsch, I., Kollman, C., Laffel, L., Lawrence, J. M., Mauras, N., Ruedy, K. J., Tsalikian, E., Wolpert, H.
  2011; 34 (6): 1315-1317

- **Hemoglobin A(1c) and Mean Glucose in Patients With Type 1 Diabetes Analysis of data from the Juvenile Diabetes Research Foundation continuous glucose monitoring randomized trial** *DIABETES CARE*
  Wilson, D. M., Xing, D., Beck, R. W., Block, J., Bode, B., Fox, L. A., Hirsch, I., Kollman, C., Laffel, L., Ruedy, K. J., Steffes, M., Tamborlane, W. V.
  2011; 34 (3): 540-544

- **OGTT metrics surpass continuous glucose monitoring data for T1D prediction in multiple-autoantibody-positive individuals.** *The Journal of clinical endocrinology and metabolism*
  Ylescupidez, A., Speake, C., Pietropaolo, S. L., Wilson, D. M., Steck, A. K., Sherr, J. L., Gaglia, J. L., Bender, C., Lord, S., Greenbaum, C. J.
  2023

- **Automation of a multiplex agglutination-PCR (ADAP) type 1 diabetes (T1D) assay for the rapid analysis of islet autoantibodies.** *SLAS technology*
  Cortez, F. d., Gebhart, D., Tandel, D., Robinson, P. V., Seftel, D., Wilson, D. M., Maahs, D. M., Buckingham, B. A., Miller, K. W., Tsai, C.
  1800

- **Longitudinal Changes in Continuous Glucose Monitoring Use Among Individuals With Type 1 Diabetes: International Comparison in the German and Austrian DPV and U.S. T1D Exchange Registries.** *Diabetes care*
  Miller, K. M., Hermann, J., Foster, N., Hofer, S. E., Rickels, M. R., Danne, T., Clements, M. A., Lilienthal, E., Maahs, D. M., Holl, R. W., T1D Exchange and DPV Registries, Weinstock, R., Izquierdo, R., et al
  2020; 43 (1): e1–e2

- **Brain Function Differences in Children With Type 1 Diabetes: An fMRI Study of Working Memory.** *Diabetes*
  Foland-Ross, L. C., Tong, G. n., Mauras, N. n., Cato, A. n., Aye, T. n., Tansey, M. n., White, N. H., Weinzimer, S. A., Englert, K. n., Shen, H. n., Mazaika, P. K., Reiss, A. L.
  2020

- **Executive task-based brain function in children with type 1 diabetes: An observational study.** *PLoS medicine*
  Foland-Ross, L. C., Buckingam, B., Mauras, N., Arbelaez, A. M., Tamborlane, W. V., Tsalikian, E., Cato, A., Tong, G., Englert, K., Mazaika, P. K., Reiss, A. L., Diabetes Research in Children Network (DirecNet)
  2019; 16 (12): e1002979

- **The risk of progression to type 1 diabetes is highly variable in individuals with multiple autoantibodies following screening.** *Diabetologia*
  Jacobsen, L. M., Bocchino, L., Evans-Molina, C., DiMeglio, L., Goland, R., Wilson, D. M., Atkinson, M. A., Aye, T., Russell, W. E., Wentworth, J. M., Boulware, D., Geyer, S., Sosenko, et al

2019

- **670G Clinical Experience**
  Lal, R., Basina, M., Maahs, D. M., Buckingham, B. A., Hood, K. K., Conrad, B. P., Leverenz, J., Chmielewski, A., Peterson, K., Wilson, D.
  AMER DIABETES ASSOC.2019

- **Low-Dose Anti-Thymocyte Globulin Preserves C-Peptide, Reduces HbA(1c), and Increases Regulatory to Conventional T-Cell Ratios in New-Onset Type 1 Diabetes: Two-Year Clinical Trial Data** *DIABETES*
  Haller, M. J., Long, S., Blanchfield, J., Schatz, D. A., Skyler, J. S., Krischer, J. P., Bundy, B. N., Geyer, S. M., Warnock, M. V., Miller, J. L., Atkinson, M. A., Becker, D. J., Baidal, et al
  2019; 68 (6): 1267–76

- **Low-dose Anti-Thymocyte Globulin Preserves C-Peptide and Reduces A1c in New Onset Type 1 Diabetes: Two Year Clinical Trial Data.** *Diabetes*
  Haller, M. J., Long, S. A., Blanchfield, J. L., Schatz, D. A., Skyler, J. S., Krischer, J. P., Bundy, B. N., Geyer, S. M., Warnock, M. V., Miller, J. L., Atkinson, M. A., Becker, D. J., Baidal, et al
  2019

- **A Feasibility Study to Detect Neonatal Hypoglycemia in Infants of Diabetic Mothers Using Real-Time Continuous Glucose Monitoring** *DIABETES TECHNOLOGY & THERAPEUTICS*
  Nally, L., Bondy, N., Doiev, J., Buckingham, B. A., Wilson, D. M.
  2019; 21 (4): 170–76

- **A Feasibility Study to Detect Neonatal Hypoglycemia in Infants of Diabetic Mothers Using Real-Time Continuous Glucose Monitoring.** *Diabetes technology & therapeutics*
  Nally, L. M., Bondy, N., Doiev, J., Buckingham, B., Wilson, D. M.
  2019

- **Identical and Nonidentical Twins: Risk and Factors Involved in Development of Islet Autoimmunity and Type 1 Diabetes** *DIABETES CARE*
  Triolo, T. M., Fouts, A., Pyle, L., Yu, L., Gottlieb, P. A., Steck, A. K., Greenbaum, C. J., Atkinson, M., Baidal, D., Battaglia, M., Becker, D., Bingley, P., Bosi, et al
  2019; 42 (2): 192–99

- **Low-Dose Anti-Thymocyte Globulin (ATG) Preserves -Cell Function and Improves HbA(1c) in New-Onset Type 1 Diabetes** *DIABETES CARE*
  Haller, M. J., Schatz, D. A., Skyler, J. S., Krischer, J. P., Bundy, B. N., Miller, J. L., Atkinson, M. A., Becker, D. J., Baidal, D., DiMeglio, L. A., Gitelman, S. E., Goland, R., Gottlieb, et al
  2018; 41 (9): 1917–25

- **Sustained Continuous Glucose Monitor Use in Low-Income Youth with Type 1 Diabetes Following Insurance Coverage Supports Expansion of Continuous Glucose Monitor Coverage for All** *DIABETES TECHNOLOGY & THERAPEUTICS*
  Prahalad, P., Addala, A., Buckingham, B., Wilson, D. M., Maahs, D. M.
  2018; 20 (9): 632–34

- **A Feasibility Study to Detect Neonatal Hypoglycemia Using Real-Time Continuous Glucose Monitoring**
  Nally, L. M., Bondy, N. W., Doiev, J., Buckingham, B., Wilson, D.
  AMER DIABETES ASSOC.2018

- **Familial Holoprosencephaly with Endocrine Dysgenesis** *JOURNAL OF PEDIATRICS*
  Chang, M., Wilson, D. M., Maahs, D. M.
  2018; 192: 98

- **Impact of Early Diabetic Ketoacidosis on the Developing Brain.** *Diabetes care*
  Aye, T. n., Mazaika, P. K., Mauras, N. n., Marzelli, M. J., Shen, H. n., Hershey, T. n., Cato, A. n., Weinzimer, S. A., White, N. H., Tsalikian, E. n., Jo, B. n., Reiss, A. L.
  2018

- **50 Years Ago in The Journal of Pediatrics: Familial Holoprosencephaly with Endocrine Dysgenesis.** *The Journal of pediatrics*
  Chang, M., Wilson, D. M., Maahs, D. M.
  2018; 192: 98

- **Effect of Oral Insulin on Prevention of Diabetes in Relatives of Patients With Type 1 Diabetes A Randomized Clinical Trial** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*

Greenbaum, C., Atkinson, M., Baidal, D., Battaglia, M., Bingley, P., Bosi, E., Buckner, J., Clements, M., Colman, P., DiMeglio, L., Evans-Molina, C., Gitelman, S., Goland, et al
2017; 318 (19): 1891–1902

- **Dysglycemia and Index60 as Prediagnostic End Points for Type 1 Diabetes Prevention Trials** *DIABETES CARE*
  Nathan, B. M., Boulware, D., Geyer, S., Atkinson, M. A., Colman, P., Goland, R., Russell, W., Wentworth, J. M., Wilson, D. M., Evans-Molina, C., Wherrett, D., Skyler, J. S., Moran, et al
  2017; 40 (11): 1494–99
- **Home use of a bihormonal bionic pancreas versus insulin pump therapy in adults with type 1 diabetes: a multicentre randomised crossover trial** *LANCET*
  El-Khatib, F. H., Balliro, C., Hillard, M. A., Magyar, K. L., Ekhlaspour, L., Sinha, M., Mondesir, D., Esmaeili, A., Hartigan, C., Thompson, M. J., Malkani, S., Lock, J. P., Harlan, et al
  2017; 389 (10067): 369-380
- **LEG LEAN MASS IS CORRELATED WITH BONE MINERAL DENSITY IN CHILDREN AND ADOLESCENTS WITH TYPE 1 DIABETES**
  Seeley, H., Long, J., Bachrach, L., Wilson, D. M., Leonard, M.
  KARGER.2017: 418
- **THE RISK OF PROGRESSION TO TYPE 1 DIABETES (T1D) IN INDIVIDUALS OF DIVERSE AGES WITH MULTIPLE AUTOANTIBODIES**
  Jacobsen, L. M., Evans-Molina, C., Dimeglio, L. A., Goland, R., Wilson, D. M., Atkinson, M., Aye, T., Russell, W., Wentworth, J., Geyer, S., Boulware, D., Sosenko, J.
  KARGER.2017: 23–24
- **Efficacy of an Overnight Predictive Low-Glucose Suspend System in Relation to Hypoglycemia Risk Factors in Youth and Adults With Type 1 Diabetes.** *Journal of diabetes science and technology*
  Calhoun, P. M., Buckingham, B. A., Maahs, D. M., Hramiak, I., Wilson, D. M., Aye, T., Clinton, P., Chase, P., Messer, L., Kollman, C., Beck, R. W., Lum, J.
  2016; 10 (6): 1216-1221
- **Changes in beta cell function during the proximate post-diagnosis period in persons with type 1 diabetes** *PEDIATRIC DIABETES*
  Dimeglio, L. A., Cheng, P., Beck, R. W., Kollman, C., Ruedy, K. J., Slover, R., Aye, T., Weinzimer, S. A., Bremer, A. A., Buckingham, B.
  2016; 17 (4): 237-243
- **Outpatient Care Preceding Hospitalization for Diabetic Ketoacidosis** *PEDIATRICS*
  Crossen, S. S., Wilson, D. M., Saynina, O., Sanders, L. M.
  2016; 137 (6)
- **Automated Overnight Closed-Loop Control Using a Proportional-Integral-Derivative Algorithm with Insulin Feedback in Children and Adolescents with Type 1 Diabetes at Diabetes Camp** *DIABETES TECHNOLOGY & THERAPEUTICS*
  Ly, T. T., Keenan, D. B., Roy, A., Han, J., Grosman, B., Cantwell, M., Kurtz, N., von Eyben, R., Clinton, P., Wilson, D. M., Buckingham, B. A.
  2016; 18 (6): 377-384
- **Outpatient Care Preceding Hospitalization for Diabetic Ketoacidosis** *PEDIATRICS*
  Crossen, S. S., Wilson, D. M., Saynina, O., Sanders, L. M.
  2016; 137 (6)
- **Is Pump Therapy for All with Type 1 Diabetes?** *DIABETES TECHNOLOGY & THERAPEUTICS*
  Wilson, D. M.
  2016; 18 (5): 280–81
- **In-home nighttime predictive low glucose suspend experience in children and adults with type 1 diabetes.** *Pediatric diabetes*
  Messer, L. H., Calhoun, P., Buckingham, B., Wilson, D. M., Hramiak, I., Ly, T. T., Driscoll, M., Clinton, P., Maahs, D. M.
  2016: -?
- **Longitudinal Evaluation of Cognitive Functioning in Young Children with Type 1 Diabetes over 18 Months.** *Journal of the International Neuropsychological Society*
  Cato, M. A., Mauras, N., Mazaika, P., Kollman, C., Cheng, P., Aye, T., Ambrosino, J., Beck, R. W., Ruedy, K. J., Reiss, A. L., Tansey, M., White, N. H., Hershey, et al
  2016; 22 (3): 293-302

- **INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 1 PREDICTS INSULIN SENSITIVITY AND INSULIN AREA-UNDER-THE-CURVE IN OBESE, NONDIABETIC ADOLESCENTS** *ENDOCRINE PRACTICE*
  Lee, P. D., Lustig, R. H., Lenders, C., Baillargeon, J., Wilson, D. M.
  2016; 22 (2): 136-142

- **IN-HOME OVERNIGHT PREDICTIVE LOW GLUCOSE SUSPEND (PLGS) EXPERIENCE: DIFFERENCES ACROSS AGE GROUPS**
  Messer, L. H., Calhoun, P., Buckingham, B. A., Wilson, D. M., Hramiak, I., Ly, T. T., Driscoll, M., Maahs, D. M.
  MARY ANN LIEBERT, INC.2016: A47–A48

- **Heterogeneity in recent-onset type 1 diabetes - a clinical trial perspective** *DIABETES-METABOLISM RESEARCH AND REVIEWS*
  Bollyky, J. B., Xu, P., Butte, A. J., Wilson, D. M., Beam, C. A., Greenbaum, C. J.
  2015; 31 (6): 588-594

- **Predictive Low-Glucose Insulin Suspension Reduces Duration of Nocturnal Hypoglycemia in Children Without Increasing Ketosis** *DIABETES CARE*
  Buckingham, B. A., Raghinaru, D., Cameron, F., Bequette, B. W., Chase, H. P., Maahs, D. M., Slover, R., Wadwa, R. P., Wilson, D. M., Ly, T., Aye, T., Hramiak, I., Clarson, et al
  2015; 38 (7): 1197-1204

- **Large Doses of Vitamin D Fail to Increase 25-Hydroxyvitamin D Levels or to Alter Cardiovascular Risk Factors in Obese Adolescents: A Pilot Study.** *journal of adolescent health*
  Shah, S., Wilson, D. M., Bachrach, L. K.
  2015; 57 (1): 19-23

- **Factors Associated with Nocturnal Hypoglycemia in At-Risk Adolescents and Young Adults with Type 1 Diabetes** *DIABETES TECHNOLOGY & THERAPEUTICS*
  Wilson, D. M., Calhoun, P. M., Maahs, D. M., Chase, H. P., Messer, L., Buckingham, B. A., Aye, T., Clinton, P. K., Hramiak, I., Kollman, C., Beck, R. W.
  2015; 17 (6): 385-391

- **The Development and Utility of a Novel Scale That Quantifies the Glycemic Progression Toward Type 1 Diabetes Over 6 Months** *DIABETES CARE*
  Sosenko, J. M., Skyler, J. S., Beam, C. A., Boulware, D., Mahon, J. L., Krischer, J. P., Greenbaum, C. J., Rafkin, L. E., Matheson, D., Herold, K. C., Palmer, J. P.
  2015; 38 (5): 940-942

- **Longitudinal Assessment of Neuroanatomical and Cognitive Differences in Young Children With Type 1 Diabetes: Association With Hyperglycemia** *DIABETES*
  Mauras, N., Mazaika, P., Buckingham, B., Weinzimer, S., White, N. H., Tsalikian, E., Hershey, T., Cato, A., Cheng, P., Kollman, C., Beck, R. W., Ruedy, K., Aye, et al
  2015; 64 (5): 1770-1779

- **beta Cell death and dysfunction during type 1 diabetes development in at-risk individuals** *JOURNAL OF CLINICAL INVESTIGATION*
  Herold, K. C., Usmani-Brown, S., Ghazi, T., Lebastchi, J., Beam, C. A., Bellin, M. D., Ledizet, M., Sosenko, J. M., Krischer, J. P., Palmer, J. P.
  2015; 125 (3): 1163-1173

- **Electrochemiluminescence Assays for Insulin and Glutamic Acid Decarboxylase Autoantibodies Improve Prediction of Type 1 Diabetes Risk** *DIABETES TECHNOLOGY & THERAPEUTICS*
  Miao, D., Steck, A. K., Zhang, L., Guyer, K. M., Jiang, L., Armstrong, T., Muller, S. M., Krischer, J., Rewers, M., Yu, L.
  2015; 17 (2): 119-127

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