

Curriculum Vitae
Laura Michelle Jacobsen, MD

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352-294-8863

EDUCATION:
8/2008 – 5/2012 Doctor of Medicine (MD), *Research Honors*
University of Florida, Gainesville, Florida

8/2004 – 5/2008 Bachelor of Science, Chemistry/Biochemistry, *Cum Laude*
Bachelor of Arts, Communication Sciences & Disorders, *Cum Laude*
University of Florida, Gainesville, Florida

POST-GRADUATE TRAINING:
7/2015 – 6/2018 Pediatric Endocrinology Fellowship
University of Florida, Gainesville, Florida

6/2012 – 6/2015 Pediatric Internship & Residency
University of North Carolina, Chapel Hill, North Carolina

EMPLOYMENT:
7/2020 – Present Associate Fellowship Program Director, Pediatric Endocrinology, UF
7/2018 – Present Assistant Professor, Pediatric Endocrinology, University of Florida

QUALIFICATIONS/LICENSURE:
2019 American Board of Pediatrics – Pediatric Endocrinology Certification
2015 American Board of Pediatrics – Pediatric Certification
2015 Fellow, American Academy of Pediatrics
2015 Florida Medical Licensure: ME 124020

HONORS & AWARDS:
1/25 – 1/28/2018 Endocrine Fellows Foundation Research Forum Delegate, Dallas, TX
10/2017 – 10/2019 Type 1 Diabetes TrialNet Emerging Leader
9/10 – 9/13/2017 Global Fellows Program Delegate, International Meeting Pediatric
Endocrinologists, Potomac, Maryland

9/2017 Pediatric Endocrine Society Travel Grant Award, Washington D.C
7/2017 – Training and Research Academy for Clinical and Translational Science
(TRACTS) Participant, University of Florida

6/2017 American Diabetes Association Travel Grant Award, San Diego, CA
6/3/2017 Henry A. Kokomoor Outstanding Fellowship Award (for commitment
to scientific discovery), University of Florida, Department of
Pediatrics

3/2017, 6/2017, 4/2019 Excellence in Medical Student Education Pediatric Clerkship Rotation
9/25 – 9/30/2016 ISPAD Science School Delegate, Jevnaker, Norway

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6/2016, 6/2017

6/11/2015

American Diabetes Association Focus on Fellows Program
Floyd W. Denny Pediatric Society Resident Award for Excellence in
Pediatric Care, UNC Pediatrics Residency

4/30/2015

Johnny Carson Award for Best Overall Research, UNC Pediatrics
Evening of Scholarship

2014-2015

North Carolina Leadership Education in Neurodevelopmental
Disorders (LEND) Fellow

2014

UNC School of Medicine Academy of Educators Inductee

2011

UF Chapman Chapter of the Gold Humanism Honor Society Inductee

4/6/2010

2nd Place Poster Award, Triological Society Meeting, Orlando, Florida

BIBLIOGRAPHY:

Peer Reviewed Manuscripts:

1. Shapiro MR^{*}, Foster TP^{*}, Perry DJ, Rosenfeld RG, Dauber A, McNichols JA, Muir A, Hwa V, Brusko TM[†], **Jacobsen LM**[‡]. A Novel Mutation in Insulin-Like Growth Factor-1 Receptor (c.641-2A>G) Is Associated with Impaired Growth, Hypoglycemia, and Modified Immune Phenotypes. *Hormone Research in Paediatrics*. In Press.
2. **Jacobsen LM**, Bundy B, Greco, MN, Schatz, DA, Atkinson, MA, Brusko TM, Mathews CE, Herold KC, Gitelman SE, Krischer, JP, MJ Haller. Comparing Beta Cell Preservation Across Clinical Trials in Recent-Onset Type 1 Diabetes. *Diabetes Technology and Therapeutics*. In Press.
3. Zimmerman C, Bruggeman B, LaPorte A, Kaushal S, Stalvey M, Beauchamp G, Dayton K, Hiers P, Filipp SL, Gurka MJ, Silverstein, JH, **Jacobsen LM**. Real-world Screening for Retinopathy in Youth with Type 1 Diabetes Using a Non-mydratic Fundus Camera. *Diabetes Spectr*. In Press.
4. Carr ALJ, Perry DJ, Lynam AL, Chamala S, Flaxman CS, Sharp SA, Ferrat LA, Jones AG, Beery ML, **Jacobsen LM**, Wasserfall CH, Campbell-Thompson ML, Kusmartseva I, Posgai A, Schatz DA, Atkinson MA, Brusko TM, Richardson SJ, Shields BM, Oram RA. Histological validation of a type 1 diabetes clinical diagnostic model for classification of diabetes. *Diabet Med* 2020 Jul 7. [Epub ahead of print] [PMID: 32634859]
5. Mulvaney SA, Mara CA, Kichler JC, Majidi S, Driscoll KA, Westen SC, Rawlinson A, **Jacobsen LM**, Adams RN, Hood KK, Monaghan M. A retrospective multisite examination of depression screening practices, scores, and correlates in pediatric diabetes care. *Trans Beh Med* 2019 Nov 25. [Epub ahead of print] [PMID: 31764981]
6. **Jacobsen LM**, Bocchino L, Evans-Molina C, DiMeglio L, Goland R, Wilson DM, Atkinson MA, Aye T, Russell WE, Wentworth JM, Boulware D, Geyer S, Sosenko JM. The Risk of Progression to Type 1 Diabetes is Highly Variable in Individuals with Multiple Autoantibodies Following Screening. *Diabetologia*. 2020 Mar;63(3):588-596 [PMID: 31768570]
7. Battaglia M, Ahmed S, Anderson MS, Atkinson MA, Becker D, Bingley PJ, Bosi E, Brusko TM, DiMeglio LA, Evans-Molina C, Gitelman SE, Greenbaum CJ, Gottlieb PA, Herold KC, Hessner MJ, Knip M, **Jacobsen L**, Krischer JP, Long SA, Lundgren M, McKinney EF, Morgan NG, Oram RA, Pastinen T, Peters MC, Petrelli A, Qian X, Redondo MJ, Roep BO, Schatz D, Skibinski D, Peakman M. Introducing the Endotype Concept to Address the Challenge of Disease Heterogeneity in Type 1 Diabetes. *Diabetes Care* 2020 Jan; 43(1): 5-12. [PMID: 31753960]
8. Sims EK, Geyer S, Bennett Johnson S, Libman I, **Jacobsen LM**, Boulware D, Rafkin LE, Matheson D, Atkinson MA, Rodriguez H, Spall M, Elding Larsson H, Wherrett DK, Greenbaum CJ, Krischer

- J, DiMeglio LA, and the Type 1 Diabetes TrialNet Study Group. Who is Enrolling? The Path to Monitoring in Type 1 Diabetes TrialNet's Pathway to Prevention. *Diabetes Care*. 2019 Dec;42(12):2228-2236. [PMID: 31558546]
9. Beery ML, **Jacobsen LM**, Atkinson MA, Butler AE, Campbell-Thompson M. Islet amyloidosis in a child with type 1 diabetes. *Islets*. 2019;11(2):44-49. [PMID: 31084520]
 10. **Jacobsen LM**, Elding Larsson H, Tamura RN, Vehik K, Clasen J, Sosenko J, Hagopian WA, She J-X, Steck AK, Rewers M, Simell O, Toppari J, Veijola R, Ziegler AG, Krischer JP, Akolkar B, Haller MJ, TEDDY Study Group. Predicting Progression to Type 1 Diabetes from Ages 3 to 6 in Islet Autoantibody Positive TEDDY Children. *Pediatr Diabetes*. 2019 May;20(3):263-270. [PMID: 30628751]
 11. **Jacobsen LM**^{*}, Newby BN^{*}, Perry DJ, Posgai AL, Haller MJ, Brusko TM. Immune Mechanisms and Pathways Targeted in Type 1 Diabetes. *Curr Diab Rep*. 2018 Aug 30;18(10):90. [PMID: 30168021]
 12. **Jacobsen LM**, Haller MJ, Schatz DA. Understanding Pre-Type 1 Diabetes: The Key to Prevention. *Frontiers in Endocrinology* 2018 Front. Endocrinol. 2018 Mar 6;9:70. [PMID: 29559955]
 13. **Jacobsen LM**, Anhalt H, Haller MJ. Presymptomatic Screening for Autoimmune β -Cell Disorder (ABCD): Baby Steps Towards Prevention? *Pediatric Diabetes*. 2018 Feb;19(1):11-13. [PMID: 29368416]
 14. Sanyoura M^{*}, **Jacobsen L**^{*}, Carmody D, del Gaudio D, Alkorta-Aranburu G, Arndt K, Hu YY, Kobiernicki F, Kusmartseva I, Atkinson MA, Philipson LH, Schatz D, Campbell-Thompson M[#], Greeley SAW[#]. Pancreatic Histopathology of Human Monogenic Diabetes Due to Causal Variants in KCNJ11, HNF1A, GATA6, and LMNA. *J Clin Endocrinol Metab*. 2018 Jan 1;103(1):35-45. [PMID: 28938416]
 15. **Jacobsen LM**, Posgai A, Seay HR, Haller MJ, Brusko TM. T Cell Receptor Profiling in Type 1 Diabetes. *Curr Diab Rep*. 2017 Oct 11;17(11):118. [PMID: 29022222]
 16. **Jacobsen LM**, Haller MJ, Parish A, Gurka MJ, Levine SR, Wasserfall C, Campbell-Thompson M, Kaddis J, Pugliese A, Atkinson MA, Schatz DA. High Illicit Drug Abuse and Suicide in Type 1 Diabetes Organ Donors. *Diabetes Care* 2017 Sep;40(9):e122-e123. [PMID: 28679687]
 17. Katsarou A, Gudbjörnsdóttir S, Rawshani A, Dabelea D, Bonifacio E, Anderson BJ, **Jacobsen LM**, Schatz DA, Lernmark A. Type 1 diabetes mellitus. *Nat. Rev. Dis. Primers*. 2017 Mar 30; 3:17016. [PMID: 28358037]
 18. Winter WE, **Jacobsen L**, Pittman D. Insulin, Insulin Antibodies and Insulin Autoantibodies. *Medical Laboratory Observer*. Online Jan 23, 2017. April Edition.
 19. Albanese-O'Neill A, Wu M, Miller KM, **Jacobsen L**, Haller MJ, Schatz D for the T1D Exchange Clinic Network. Poor adherence to ketone testing in patients with type 1 diabetes. *Diabetes Care* 2017 Apr;40(4):e38-e39. [PMID: 28100607]
 20. **Jacobsen L**, Posgai A, Campbell-Thompson M, Schatz D. Diagnostic Dilemma: Clinical and Histological Abnormalities in a Hispanic Patient with Diabetes. *Diabetes Care* 2016 Sept; 39:1650-2. [PMID: 27555624]
 21. **Jacobsen L**, Atkinson M, Campbell-Thompson M, Schatz D. Presumptive Type 1 Diabetes With Comorbidities and Rapid Progression Despite Numerous Insulin-Positive Islets. *Diabetes Care* 2016 Jul; 39(7): 1292-1294. [PMID: 27330131]
 22. **Jacobsen L**, Schatz D. Current and Future Efforts Toward the Prevention of Type 1 Diabetes. *Pediatric Diabetes*. 2016 Jul; 17 Suppl 22:78-86. [PMID: 27411441]

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23. **Jacobsen L**, Riley K, Lee B, Bradford K, Jhaveri R. Tablet/Capsule Size Variation Among the Most Commonly Prescribed Medications for Children in the USA: Retrospective review and firsthand pharmacy audit. *Pediatric Drugs*. 2016 Feb;18(1):65-73. [PMID: 26801779]
24. **Jacobsen L**, Patel A, Fox M, Miller S, Bradford K, Jhaveri R. A Pilot Study of the Pediatric Oral Medications Screener (POMS). *Hospital Pediatrics*. 2015 Nov;5(11):586-90. [PMID: 26526805]
25. Patel A, **Jacobsen L**, Jhaveri R, Bradford K. Effectiveness of Pediatric Pill Swallowing Interventions: A Systematic Review. *Pediatrics*. 2015 May;135(5):883-889. [PMID: 25896843]
26. **Jacobsen L**, Zimmerman S, Lohr J. Nail findings in hand-foot-and-mouth disease: a case report. *Pediatric Infectious Disease Journal*. 2015 Apr;34(4):449-50. [PMID: 25764101]
27. **Jacobsen L**, Antonelli P. Errors in the Diagnosis and Management of Necrotizing Otitis Externa. *Otolaryngology–Head and Neck Surgery*. 2010;143,506-509. [PMID: 20869559]

Book Chapters & Symposia Proceedings:

1. Jacobsen LM. Response to Low-Dose Anti-Thymocyte Globulin in Stage 3 Type 1 Diabetes. Invited symposium speaker, American Diabetes Association annual meeting, Virtual Meeting, June 2020.
2. Jacobsen LM. Immune Outcomes for TN19 Clinical Trial. Invited speaker, Type 1 Diabetes TrialNet Steering Committee Meeting, Virtual Meeting, March 2020.
3. Jacobsen LM. Wide Range of Type 1 Diabetes Risk in Multiple Autoantibody Positive Relatives According to Autoantibody and Metabolic Patterns. Type 1 Diabetes TrialNet national webinar. December 4, 2019.
4. Jacobsen LM. Care of Adults & Children with Type 1 Diabetes. Invited Speaker, National Academy of Sciences Social Security Administration Standing Committee, Washington D.C., November 2019.
5. **Jacobsen LM**, Bazydlo LAL, Harris NS, Winter WE: Challenges in endocrinology testing. In: Dasgupta A, Sepulveda JL (eds): *Accurate Results in the Clinical Laboratory: A Guide to Error Detection and Correction*. Second Ed. Amsterdam, Oxford, and Cambridge: Elsevier Inc, 165-189, 2019.
6. Jacobsen LM. Recent Efforts to Alter the Progression of Type 1 Diabetes and Improve the Lives of Patients: the UF Experience. Invited Speaker, Southern Pediatric Endocrine Society, Orlando, FL, February 2019; Invited Speaker, University of Florida at Orlando Health Pediatric Grand Rounds, Orlando, FL, September 2019.
7. Jacobsen LM. Efforts to Alter the Progression of T1D. Invited speaker, JDRF Type 1 Nation Summit - Central Florida 2018, Orlando, FL, August 2018.
8. Jacobsen LM. Closed Loop Systems. Invited speaker, Type 1 Diabetes TrialNet Steering Committee Meeting, Reston, VA, March 2018.
9. Jacobsen L, Atkinson M. Venue for Highlighting Unique nPOD Cases: Clinical Images in Diabetes. Network for Pancreatic Organ Donors with Diabetes (nPOD) national webinar. July 26, 2016.
10. Jacobsen L, Patel A, Bradford K, and Jhaveri R. Birth of the UNC Pediatric Oral Medications Screener (POMS). Invited speaker, University of North Carolina Pediatric Grand Rounds, Chapel Hill NC, January 8, 2015.

Abstract Presentations:

International/National Presentations

Jacobsen LM, Miller B, Marks J, Smith M, Aponick A, Albanese-O'Neill A. Effective Technology Training is a Key Component to Continued Use of Medtronic 670G. Oral presentation at Advanced Technologies and Therapeutics in Diabetes annual meeting, Madrid, Spain, February 2020.

Jacobsen LM, Bundy BN, Greco MN, Schatz DA, Atkinson MA, Brusko TM, Mathews CE, Herold KC, Gitelman SE, Krischer JP, Haller MJ. Efficacy of New-Onset Type 1 Diabetes (T1D) Intervention Trials: Variation in 1-Year Outcomes. Oral presentation at American Diabetes Association annual meeting, San Francisco, CA, June 2019.

Jacobsen L, Clements M, Nathan B, Redondo M, Schatz D, Sosenko J. Comparisons of Combined Glucose & C-peptide Intermediate Endpoints for Identifying Individuals at Very High Risk for Type 1 Diabetes. Poster presentation at American Diabetes Association annual meeting, San Francisco, CA, June 2019.

Jacobsen LM, Clements M, Ismail H, Schatz D, Bocchino L, Geyer S, Sosenko J. Index60 Threshold Is Superior to HbA1c for Identifying Individuals at High Risk for Type 1 Diabetes. Poster presentation at American Diabetes Association annual meeting, Orlando, FL, June 2018.

Jacobsen LM, Campbell-Thompson M, Atkinson MA, Schatz DA. Characterizing Single Autoantibody Positive Non-diabetic Organ Donors in nPOD. Poster presentation at Human Islet Research Network (HIRN) annual meeting, Washington D.C., May 2018.

Jacobsen L, Evans-Molina C, DiMeglio L, Goland R, Wilson D, Atkinson M, Aye T, Russell W, Wentworth J, Geyer S, Bocchino L, Boulware D, Sosenko L. The Risk of Progression to Type 1 Diabetes in Individuals of Diverse Ages with Multiple Autoantibodies. Oral presentation at American Diabetes Association annual meeting, San Diego, CA, June 2017 and Pediatric Endocrine Society International Meeting, Washington D.C., September 2017.

Jacobsen L, Filipp S, Gurka M, Haller M, Wasserfall C, Atkinson M, Campbell-Thompson M, Schatz D. Islet Autoantibodies Are Associated with Insulinitis but Not Beta Cell Loss in Type 1 Diabetes. Oral presentations at Human Islet Research Network (HIRN) annual meeting, Bethesda, MD, March 2017 and American Diabetes Association annual meeting, San Diego, CA, June 2017.

Jacobsen L, Haller M, Kaddis J, Gurka M, Wasserfall C, Levine SR, Campbell-Thompson M, Pugliese A, Atkinson M, Schatz D. Cause of Death in the First 100 Type 1 Diabetes nPOD Subjects: Psychosocial Implications. Poster presentation at JDRF nPOD Annual Scientific Meeting, Miami FL, February 2016 and at American Diabetes Association Annual Meeting, New Orleans LA, June 2016. Oral presentation at University of Florida Pediatric Science Day, Gainesville FL, June 2016.

Jacobsen L, Riley K, Lee B, Bradford K and Jhaveri R. Pill Size Variation Among the Most Commonly Prescribed Medications for Children. Poster presentation at Pediatric Academic Societies Annual Meeting, San Diego CA and UNC Evening of Scholarship, Chapel Hill NC, April 2015.

Regional Presentations

Jacobsen L, Roush J, Young T, Fort M, Watts K, and Taylor M. Newborn hearing screening in North Carolina: Factors that impact the time interval from screening to diagnosis. Poster presentation at Early Hearing Detection & Intervention (EHDI) Annual Meeting, Jacksonville FL, April 2014 and at North Carolina Pediatric Society Annual Meeting, Myrtle Beach SC, Sept 2014.

Jacobsen L, Antonelli P. Errors in the Diagnosis and Management of Necrotizing Otitis Externa. Poster presentation at Triological Society Combined Section Meeting, Orlando FL, February 2010 and at Medical Student Research Day at the University of Florida, Gainesville FL, March 2010.

Local Presentations

Fellowship Research Conference “Risk of Developing Type 1 Diabetes in a Large Cohort of At-Risk Subjects” University of Florida, Gainesville FL, October 11, 2017 and “Novel Biomarkers of Endocrine and Exocrine Cell Death and Function in Type 1 Diabetes” University of Florida, Gainesville FL, March 15, 2017.

Jacobsen L, Patel A, Fox M, Miller S, Bradford K, and Jhaveri R. A Pilot Study of the Pediatric Oral Medications Screener (POMS): Potential Benefit of Universal Screening Compared to Parental Report. Poster presentation at UNC Evening of Scholarship, Chapel Hill NC, April 2015.

Jacobsen L, Patel A, Fox M, Miller S, Bradford K, and Jhaveri R. Development and Validation of the UNC Pediatric Oral Medication Screener (UNC POMS). Poster presentation at UNC Evening of Scholarship, Chapel Hill NC, May 2014.

PROFESSIONAL SERVICE:

TrialNet Publications Committee Member	2020-present
Florida Diabetes Camp Board Member	2019-2022
Grant Reviewer JDRF FY19 Prevention Trials SRAs	2019
Type 1 Diabetes TrialNet Eligibility Committee Member	2018-2020
TEDDY Clinical Implementation Committee Member	2017-present
Interviewer for Pediatric Residency Selection Committee	2017-2018
Medical Student Endocrinology Section Lecturer	2016-present
Ad hoc reviewer for:	
<i>Diabetes</i>	2018-present
<i>Translational Research</i>	2018-present
<i>Diabetes Care, Diabetologia, Pediatric Diabetes</i>	2015-present
<i>Journal of Clinical Endocrinology and Metabolism</i>	2015-present
<i>Diabetes Technology and Therapeutics</i>	2015-present

PROFESSIONAL ORGANIZATIONS:

2019-present	Endocrine Society
2016-present	International Society for Pediatric and Adolescent Diabetes
2016-present	American Diabetes Association
2015-present	Lawson Wilkins Pediatric Endocrine Society

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and variability by treatment group and evaluate whether regular CGM use moderates the effect on parental hypoglycemia fear, parenting stress and child HbA1c.

Role: Sub-investigator

Completed Research Support:

3-PDF-2018-579-A-N

Jacobsen (PI)

06/2018 – 06/2019

JDRF Postdoctoral Research Fellow Award.

Characterization of T cell autoreactivity in type 1 diabetes through TCR and single cell sequencing in subjects with T1D compared to controls.

U.S. Bureau of Maternal and Child Health. Jacobsen (PI)

06/2014 – 06/2015

Leadership Education in Neurodevelopmental and Related Disabilities (LEND) Fellow. Development of educational tools regarding hearing loss for pediatric residents throughout North Carolina.