BIOGRAPHICAL SKETCH

NAME Tyler Reimschisel, MD	POSITION TITLE Assistant Professor of Pediatrics and Neurology
eRA COMMONS USER NAME (credential, e.g., agency login)	

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
University of Chicago, Chicago, IL	BA with Honors	9/89 – 6/93	History, Philosophy and Social Studies of Science and Medicine
Rush Medical College, Chicago, IL	MD	9/93 – 6/97	Medicine
Johns Hopkins Hospital, Baltimore, MD		7/97-6/99	Pediatrics Residency
Johns Hopkins Hospital, Baltimore, MD		7/99-6/02	Child Neurology Residency
Johns Hopkins Hospital, Baltimore, MD		7/02-6/05	Medical Genetics Residency

A. Personal Statement

I am an Assistant Professor of Pediatrics and Neurology and Director of the Division of Developmental Medicine and the Center for Child Development at Vanderbilt University School of Medicine. My primary clinical interests include the evaluation and management of children with inborn metabolic diseases and other genetic conditions that cause neurodevelopmental disabilities, such as global developmental delay, intellectual disability, epilepsy, cerebral palsy, and autism spectrum disorders. As a pediatric neurogeneticist with an active clinical practice for both children and adults, I have extensive knowledge and experience in the evaluation and management of children with neurogenetic, metabolic, and developmental impairments. I also have education administration appointments in the School of Medicine and the Department of Pediatrics.

B. Positions and Honors

Academic Positions:

2001 – 2002	Chief Resident of Child Neurology, Johns Hopkins Hospital, Baltimore, MD
2004 – 2005	Chief Resident of Medical Genetics, Johns Hopkins Hospital, Baltimore MD
2005 – 2008	Assistant Professor of Pediatrics, Neurology and Genetics, Division of Genetics and Genomic Medicine, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO
2005 – 2008	Director, Medical Genetics Residency Program, Washington University School of Medicine/Barnes-Jewish Hospital/St. Louis Children's Hospital Consortium, St. Louis, MO
2008 – 2012	Associate Director, Leadership Education in Neurodevelopmental Disabilities Training Program, Vanderbilt University School of Medicine, Nashville, TN
2008 – Present	Assistant Professor of Pediatrics and Neurology Director, Division of Developmental Medicine & the Center for Child Development Vanderbilt University School of Medicine, Nashville, TN
2009 – Present	Associate Director, Pediatric Residency Program Department of Pediatrics, Vanderbilt University School of Medicine, Nashville, TN

2013 – Present Director, Leadership Education in Neurodevelopmental Disabilities Training Program, Vanderbilt University School of Medicine, Nashville, TN
2013 – Present Vice-Chair for Education, Department of Pediatrics Vanderbilt University School of Medicine, Nashville, TN

Honors:

1995 Alpha Omega Alpha Student Research Fellowship
1995 Sigma Xi Outstanding Student Research Award
2001 Neurology Resident Elective in Clinical Ethics
2002 Commencement Address, Canterbury High School, Fort Wayne, IN
2002 Harriet Lane House Staff Fellow Appreciation Award
2007 Outstanding Teacher Award – Subspecialty, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO
2008 Outstanding Teacher Award – Subspecialty, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO
2010 Member, Academy of Excellence in Teaching, Vanderbilt University School of Medicine
2013 Alpha Omega Alpha Honor Medical Society

C. Selected peer-reviewed publications (in chronological order)

1. Dunston JA, **Reimschisel T**, Ding Y-Q, Sweeney E, Johnson RL, Chen Z-F, and McIntosh I: A neurological phenotype in nail patella syndrome (NPS) illuminated by studies of murine *Lmx1b* expression. European Journal of Human Genetics, 13:330-335, 2005.
2. Williams MA, Mackin GA, Beresford HR, Gordon J, Jacobson PL, McQuillen MP, **Reimschisel TE**, Taymor RM, Bernat JL, Rizzo M, Snyder RD, Sagsveen MG, Amery M, Brannon WL Jr. American Academy of Neurology qualifications and guidelines for the physician expert witness. Neurology 2006;66(1):13-14.
3. Dietzen DJ, Weindel AL, Carayannopoulos MO, Landt M, Normansel ET, **Reimschisel TE**, Smith CH. Rapid comprehensive amino acid analysis by liquid chromatograph/tandem mass spectrometry: comparison to cation exchange with post-column ninhydrin detection. Rapid Commun Mass Spectrom 2008;22(22):3481-3488.
4. Gurnett CA, Boehm S, Connolly A, **Reimschisel T**, Dobbs MB. Impact of congenital talipes equinovarus etiology on treatment outcomes. Dev Med Child Neurol 2008;50(7):498-502.
5. Brunetti-Pierri N, Berg JS, Scaglia F, Belmont J, Bacino CA, Sahoo T, Lalani SR, Graham B, Lee B, Shinawi M, Shen J, Kang SH, Pursley A, Lotze T, Kennedy G, Lansky-Shafer S, Weaver C, Roeder ER, Grebe TA, Arnold GL, Hutchison T, **Reimschisel T**, Amato S, Geragthy MT, Innis JW, Obersztyn E, Nowakowska B, Rosengren SS, Bader PI, Grange DK, Naqvi S, Garnica AD, Bernes SM, Fong CT, Summers A, Walters WD, Lupski JR, Stankiewicz P, Cheung SW, Patel A. Recurrent reciprocal 1q21.1 deletions and duplication associated with microcephaly or macrocephaly and developmental and behavioral problems. Nature Genetics 2008;40(12):1466-1471. PMCID: PMC2680128
6. Shchelochkov OA, Li FY, Geraghty MT, Gallagher RC, Van Hove JL, Lichter-Konecki U, Fernhoff PM, Copeland S, **Reimschisel T**, Cederbaum S, Lee B, Chinault AC, Wong LJ. High-frequency detection of deletions and variable rearrangements at the ornithine transcarbamylase (OTC) locus by oligonucleotide array CGH. Mol Genet Metab 2009;96(3):97-105.
7. Larriviere D, Williams MA, Rizzo M, Bonnie RJ, Gordon J, Bernat JL, Evans P, Haberfeld E, Jacobson PL, King DW, McGuire D, **Reimschisel T**, Snyder RD, Sagsveen MG, Hutchins JC, Kasmirski KM; AAN Ethics, Law and Humanities Committee. Responding to request from adult patients for neuroenhancements" guidance of the Ethics, Law and Humanities Committee. Neurology 2009;73(17): 1406-1412.
8. Schiffmann R, Martin RA, **Reimschisel T**, Johnson K, Castaneda V, Lien YH, Pastores GM, Kampmann C, Ries M, Clarke JT. Four-year prospective clinical trial of agalsidase alfa in children with Fabry disease. J Pediatrics 2010 156(5):832-837.
9. Boone PM, Bacino CA, Shaw CA, Eng PA, Hixson PM, Pursley AN, Kang SH, Yang Y, Wiszniewska J, Nowakowska BA, Del Gaudio D, Xia Z, Simpson-Patel G, Immken LL, Gibson JB, Tsai AC, Bowers JA,

Reimschisel TE, Schaaf CP, Potocki L, Scaglia F, Gambin T, Sykulski M, Bartnik M, Derwinska K, Wisniowiecka-Kowalnik B, Lalani SR, Probst FJ, Bi W, Beaudet AL, Patel A, Lupski JR, Cheung SW, Stankiewicz P. Detection of clinically relevant exonic copy-number changes by array CGH. Hum Mutation 2010 Sept 16.

10. Nagamani SC, Erez A, Bader P, Lalani SR, Scott DA, Scaglia F, Plon SE, Tsai CH, **Reimschisel T**, Roeder E, Malphrus AD, Eng PA, Hixson PM, Kang SH, Stankiewicz P, Patel A, Cheung SW. Phenotypic manifestations of copy number variation in chromosome 16q13.11. Eur J Hum Genet 2010 8 Dec: 1-7. PMCID: PMC3061988
11. Bartnik M, Derwińska K, Gos M, Obersztyn E, Kołodziejska KE, Erez A, Szpecht-Potocka A, Fang P, Terczyńska I, Mierzewska H, Lohr NJ, Bellus GA, **Reimschisel T**, Bocian E, Mazurczak T, Cheung SW, Stankiewicz P. Early-onset seizures due to mosaic exonic deletions of CDKL5 in a male and two females. Genet Med 2011;13(5):447-452.
12. Dove D, **Reimschisel T**, McPheeters M, Jackson K, Glasser A, Curtis P, Gordon C, Stearns S, Mattson K, Church B. Developmental Disabilities Issues Exploration Forum: Cerebral Palsy. Research White Paper. (Prepared by the Vanderbilt Evidence-based Practice Center under Contract No. 290-2007-10065-I.) AHRQ Publication No. 11(12)-EHC078- EF. Rockville, MD: Agency for Healthcare Research and Quality, October 2011. Available at www.effectivehealthcare.ahrq.gov/reports/final.cfm.
13. Lindegren ML, Krishnaswami S, Fonnesbeck C, **Reimschisel T**, Fisher J, Jackson K, Shields T, Sathe NA, McPheeters ML. Adjuvant Treatment for Phenylketonuria (PKU). Comparative Effectiveness Review No. 56. (Prepared by the Vanderbilt Evidence-based Practice Center under Contract No**.** HHSA 290-2007-10065-I.) AHRQ Publication No. 12-EHC035-EF. Rockville, MD: Agency for Healthcare Research and Quality. February 2012. www.effectivehealthcare.ahrq.gov/reports/final.cfm.
14. Dharmadhikari AV, Kang SH, Szafranski P, Person RE, Sampath S, Prakash SK, Bader PI, Phillips JA 3rd, Hannig V, Williams M, Vinson SS, Wilfong AA, **Reimschisel TE**, Craigen WJ, Patel A, Bi W, Lupski JR, Belmont J, Cheung SW, Stankiewicz P. Small rare recurrent deletions and reciprocal duplications in 2q21.1, including brain-specific ARHGEF4 and GPR148. Hum Mol Genet 2012;21(15):3345-3355.
15. Campbell IM, Yatsenko SA, Hixson P, **Reimschisel T**, Thomas M, Wilson W, Dayal U, Wheless JW, Crunk A, Curry C, Parkinson N, Fishman L, Riviello JJ, Nowaczyk MJ, Zeesman S, Rosenfeld JA, Bejjani BA, Shaffer LG, Cheung SW, Lupski JR, Stankiewicz P, Scaglia F. Novel 9q34.11 gene deletions encompassing combinations of four Mendelian disease genes: STXBP1, SPTAN1, ENG, and TOR1A. Genet Med 2012.

D. Research Support

Ongoing Research Support

5T73MC00050-13-03 (Reimschisel) 07/01/2011 - 06/30/2016
MCH/Health Resources & Services Administration
Rural Leadership Education for NDRP and Families Based in Middle Tennessee
The Vanderbilt Leadership Education in Neurodevelopmental and Related Disabilities (LEND) focuses on preparing health professionals to assume leadership roles and develop interdisciplinary team skills, advanced clinical skills, and research skills in order to meet the complex needs of children with NDRD.

H326C080012-12 (Reimschisel) 08/01/2008 - 09/30/2013
Department of Education
State Technical Assistance Projects to Improve Services and Results for Children who are Deaf-Blind

Genetic Treatment Services (Phillips**)** 07/01/2012 - 06/30/2013
State of Tennessee, Dept of Health
The major goals of this project seek to reduce the frequency and burden of genetic disorders in the middle Tennessee an adjoining regions by early diagnosis, treatment and education of affected individuals, their relatives, and those at risk. Methods include biochemical, clinical and cytogenetic and molecular studies to identify affected individuals.
Role: Clinician

VUMC36239/36238 (5U54HD061222-09) (Dykens) 08/01/2009 - 07/31/2013
NIH/NICHD
Rare Disease CRC for New Therapies and New Diagnostics – AS

VUMC39882(TO#1) (200-2012-50430) (Edwards) 09/29/2012 - 09/28/2017
Centers for Disease Control
Clinical Immunization Safety Assessment (CISA)
The objective of this project is to study vaccine safety in persons with autoimmune diseases.

Completed Research Support

HHSA 290 2007 (Hartmann) 09/01/2007 - 08/31/2012
AHRQ
AHRQ Evidence Based Practice Centers III
THE EPCs develop evidence reports and technology assessments on topics relevant to clinical, social science/behavioral, economic, and health care organization and delivery arenas.
Role: Co-Investigator