

CURRICULUM VITAE

SUSAN L. HEPBURN, PH.D.

Professor, Department of Human Development and Family Studies, Colorado State University
Licensed Clinical Psychologist (CO: #2875)

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Education and Training

- 2000-2002 University of Colorado Health Sciences Center, Denver, CO
Post-doctoral Fellow in Developmental Disabilities Research
(Mentor: Sally J. Rogers, Ph.D.)
- 1999-2000 University of Colorado Health Sciences Center, Denver, CO
Internship in Clinical Psychology
- 1993-2000 Vanderbilt University, Nashville, TN
M.S. (1996), Ph.D. (2000)
Dissertation: *Parental Report of Temperament in Children with Autism Spectrum Disorders* (Advisor: Wendy Stone, Ph.D.)
- 1986-1990 Pennsylvania State University, State College, PA
B.A. (1990)
- 1983-1985 Juniata College, Huntingdon, PA: transferred

Academic Appointments

Professor, Colorado State University, College of Health and Human Sciences, 2016-present
Associate Professor, University of Colorado at Denver, School of Medicine, 2009-2016
Assistant Professor, University of Colorado at Denver, School of Medicine, 2002-2009
Faculty, University of Colorado at Denver Graduate School, Neuroscience, 2010-2016
Faculty, University of Colorado at Denver Graduate School, Epidemiology, 2009-2016

Hospital, Government, or Other Professional Positions

Current/Active

Director, SAIL (Strengthening Autism Identification Across the Lifespan); 2016-present)
Consultant to Colorado Department of Education on educational identification (2002-present)
Co-Director (with CDE) of Statewide Autism Conference (2016-present)
Consulting Psychologist, Littleton Public Schools; provide 10 hours of consultation/month in public school special education settings each academic year (2001-present)

Completed

Global Clinical Advisor for Special Olympics International, Strong Minds Program (2015-2018)
Director of Research for JFK Partners, University Center for Excellence in Developmental Disabilities (2007-2016)
Lead Psychologist, JFK Partners (University Center of Excellence in Developmental Disabilities for Colorado), Rural Outreach Clinic (2011-2016) & School Consultation Service (2002-2016)
Autism Courses Director, Leadership and Education in Neurodevelopmental Disorders (LEND) and Developmental Behavioral Pediatrics Fellowship Training Programs (2008-2015)
Lead Psychologist/Supervising Site Clinician, Study to Explore Early Development (SEED), a multi-site case-control study funded by the Centers for Disease Control (2002-2016).
Supervising Clinician and *Certified Trainer* on autism measures (e.g., ADI, ADOS), Autism Treatment Network (2007-2014)
Clinical Director, Medicaid Early Intervention Program, JFK Partners (2006-2009)
Clinical Teacher (parent groups, educator workshops); Positive behavioral supports; teaching

adaptive skills and self-regulation; strengthening home-school collaborations; Toilet-training children with special needs (JFK Partners (2004-2016)

Clinical Teacher, Screening and identification of autism (workshops for pediatricians, early intervention providers, webinars for AUCD/LEND/HRSA), JFK Partners (2006-2016)

Consultant to the Metro Denver Special Education Directors Autism Intervention Program (2002-2007); developed: (1) Parent Mentoring Program (2002-2004), (2) 10-day workshop series for school staff (2003-2005), (3) Toolkit for secondary teachers (2004-2007); (4) Toolkit for toilet training in schools (2006-2008)

Honors

Autism Heartlight Award (2017), Firefly Autism Services, Denver, CO. Awarded for “outstanding contributions to improving the quality of life for people with autism and their families for work on the Western slope of Colorado”

Ancora Imparo Clinical Teaching Award (2011), Dept. of Psychiatry/Division of Psychology Predoctoral Internship Training Program, University of Colorado

Outstanding Contributions to the Community in Applied Research (2006), Organization for Autism Research

Dane Prugh Award for Outstanding and Innovative Teaching in Child Psychiatry (2005), University of Colorado Health Sciences Center

National Institute of Health Extramural Clinical Researcher Student Loan Repayment Award (Recipient of four 2-year awards) (2002-2010)

P.E.A.C.E. with Kids Parent Support Award (2002), Adams County Parent Group

Young Investigator Training Award (2001), Research Training Institute at Thomas Jefferson University, Center for Excellence in Health Professions Research

David Zeaman Student Research Award (1999), Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities

Outstanding New Researcher (1999), Academy on Mental Retardation

Outstanding Contributions to the Community Award (1997 & 1999), Middle Tennessee Chapter of the Autism Society of America

Dissertation Scholarship (1997-1999), John Merck Scholars Program

John F. Kennedy Center Graduate Student Research Award (1996), Vanderbilt University

NICHHD Mental Retardation Research Training Scholarship (1993-1996), Vanderbilt University.

Major Committee and Service Responsibilities

Colorado State University (Fall 2016-present)

Chair, Tenure & Promotions Committee for HDFs (2018-present); Co-Chair (2016-2017)

State and National Committees

Editor, International Journal of Research Reviews in Developmental Disabilities (2019-2021)

Chair, Statewide Autism Conference for Colorado Department of Education (2018-2019)

Executive Committee Member, Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities (2005-2020)

Co-Chair, Screening and Diagnosis Committee of the Statewide Autism Commission Implementation Task Force (2012-2015)

Executive Committee Member, NICHHD Working Group on Family-Focused Interventions for People with Intellectual and Developmental Disabilities (IDD) (2015-2016)

Invited Member, Statewide Autism Commission, Committee on Educational Identification, Colorado Department of Education (2010-2015)

Member, Autism Task Force of the Colorado Department of Education (2002-2010)

Invited Delegate, Committee on Mental Health in Intellectual and Developmental Disabilities: Research and Challenges, sponsored by NIH (Bethesda, June, 2014)
Member, Clinicians Workgroup of the Center for Autism and Developmental Disability Research in Epidemiology (CADDRE) Network of CDC (2002-2016)
Member, Behavioral Science Workgroup of Autism Treatment Network (2007-2009)
Research Delegate, World Congress on Chromosomal Abnormalities (2004)

Community Service/Public Health Activities

Task Force Member, Statewide Behavioral Health Transformational Task Force (2021-present)
Task Force Member, Larimer County Task Force on Complex Trauma and ASD (2020-present)
Board Member, Arc of Larimer County (2019-present)
Professional Advisor/Presenter, DS-Autism Connection, (2007-present)
Professional Advisory Board Member, Autism Society of Boulder (2011-2016)
Board Member, Autism Society of Colorado, (2001-2006)

University of Colorado School of Medicine (2000 – 2016)

Executive Director, Developmental Psychobiology Research Group (2013-2016)
Member, Pediatric Review Panel for the Colorado Institutional Review Board (2006-2016)
Core Faculty, Intellectual and Developmental Disabilities Research Center (2008-2016)
Advisor, Internship Program in Clinical Psychology (2002-2016)
Post-doctoral Faculty Mentor, Developmental Psychobiology Research Group (2009-2016)
Colorado Collaborative Translational Science Institute (CCTSI) Research Mentor (2009-2016)
Curriculum Committee Member, Leadership and Education in Neurodevelopmental Disorders Training Program (LEND), JFK Partners (2008-2016).

Licensure

Licensed clinical psychologist, March 2005-present

Review and Referee Work (selected)

Editorial Board

Series Editor, *International Research Reviews in Developmental Disabilities* (2019-2020)
Consulting Editor, *American Journal on Mental Retardation* (2007-2018)

Grant Review Committees and Study Sections

NIH Review Committee Member, Clinical Trials to Test the Effectiveness of Treatment, Preventive, and Services Interventions (2016-2019)
Member, NIH, Center for Scientific Review, Fellowship Training Grants (2014-2018)
Member, NIH, Center for Scientific Review, Special Emphasis Panel/Scientific Review Group on Services Research (2013-2014; 2016)
Member, NIH, Center for Scientific Review, Special Emphasis Panel: Autism Centers for Excellence & Autism Network Projects (2012)
Member, R40 Intervention Grant Review Panel, HRSA, Combating Autism Act (2010, 2012)
Reviewer, NIH, American Recovery and Reinvestment Act, Autism Initiatives (2009)

Reviews for Conference Abstracts

Colorado Department of Education Statewide Autism Conference (2018-2019)
Gatlinburg Conference on Research and Theory in Developmental Disabilities (2005-2020)
International Meeting for Autism Research (2009, 2013-2014, 2017)
Organization for Autism Research (2011-2015)

Ad hoc/Guest Reviewer for Journals (Selected)

American Journal on Intellectual and Developmental Disabilities

Journal of Intellectual Disabilities Research

Journal of Autism and Developmental Disorders

Journal of Child Psychology and Psychiatry

Autism: International Journal of Research and Practice

Journal of Applied Research in Developmental Disabilities

Invited Extramural Lectures and Presentations (selected)

International Invited Lectures

Invited Speaker, Mideast Summit of the Special Olympics International Healthy Athletes Program. Promoting Emotional Wellness in Youth with Intellectual Disability, Special Olympics International, Abu Dhabi, Middle East, United Arab Emirates. (September 26, 2017).

National Invited Lectures (selected)

Invited Speaker, National Meeting of the Down Syndrome Congress. *What Symptoms of Autism Look Like in a Person with Down Syndrome and Ideas for Intervention*. Orlando, FL (July, 2016) & Phoenix, AZ (July, 2015), Indianapolis, IN (July, 2014) & Denver, CO (July, 2013)

Distinguished Speaker, Waisman Center for Developmental Disabilities at the University of Wisconsin. *Extending the Reach of Evidence-based Practices for Families of Youth with Autism Spectrum Disorders*. Madison, Wisconsin (April, 2016)

Keynote Speaker, Alaska Statewide Special Education Conference. *Cool, Calm, & Collected: Helping Youth with ASD to Keep it Together*. Anchorage, Alaska (Feb, 2016)

Presenter, Preconference Workshop (2 days), *Promoting Self-Regulation in Students with ASD*. Alaska Statewide Special Education Conference, Anchorage, AK (Feb, 2016).

Trainer, Pre-Service Training (1 day), Healthy Athletes Program of Special Olympics International: *Promoting Coping in Youth with Special Needs*. New York State Games, Rochester, NY. (June, 2016).

Keynote Speaker, Annual International Meeting of the American Speech and Hearing Association. *Extending the Reach of Evidence-Based Practices*. Denver, CO (Nov, 2015)

Invited Speaker, NIH Working Group on Mental Health in Intellectual and Developmental Disabilities: *Family-focused Interventions*. Bethesda, MD (Oct, 2014)

Invited Speaker, Annual Meeting of the American Academy of Developmental Medicine and Dentistry, in Collaboration with Special Olympics. *Telehealth Interventions for Persons with Intellectual and Developmental Disabilities*. Princeton, NJ (July, 2014).

Keynote Speaker, Gatlinburg Conference on Research and Theory in Intellectual & Developmental Disabilities. *Extending Evidence-Based Practice in Autism Intervention to Rural Communities*. Chicago, IL (March, 2014)

Keynote Speaker, Alabama Statewide Autism Conference. *Telehealth Approaches to Intervention for Families of Youth with ASD*. Tuscaloosa, Alabama (Feb, 2014)

Invited Workshop, Massachusetts Down Syndrome Congress. *Down syndrome and Autism: Evaluation and Intervention*. Worcester, Massachusetts (Feb, 2014)

Invited Workshop, Florida State University Statewide Autism Conference. *Delivering Mental Health Interventions to Families of Youth with ASD in Rural Areas*. Tallahassee, FL (Oct, 2013).

Invited Speaker, Maternal and Child Health Bureau/HRSA, Expert Workshop on Developing

Interventions for Underserved Families with Autism. *The TeleCopes Project: Using Videoconferencing to Deliver Evidence-Based Psychosocial Interventions to Youth with ASD*. Washington, DC. (April, 2012)

Invited Speaker, Maternal and Child Health Bureau/HRSA, Autism Intervention Research Webinar Series. *Family Perspectives on Telehealth Delivery of Interventions for Youth with ASD*. (Oct, 2010).

Presenter, Autism Skill-Building Workshops (6 full-days) for the Alaska Autism Resource Center/Special Education Service Agency for the State of Alaska. *Interventions for Youth with ASD*. Anchorage (2 days), Juneau, Kenai, Fairbanks (2 days) (February, 2008).

Keynote Speaker, Nebraska Department of Education, Nebraska Autism Spectrum Disorders Network Conference. *Interventions for School-Aged Youth with ASD*. Lincoln, NE (Oct, 2008)

Invited Speaker, Association of University Centers on Disability (AUCD). *Down syndrome and Autism*. Archived Webinars (2007 & 2008 & 2010)

Presenter, Parent Workshop, Down Syndrome Network of Arizona, Statewide Down Syndrome Conference. *Toilet Training Youth with Special Needs*. Phoenix, AZ. (Oct, 2007).

Presenter, Teacher Trainings, Alaska Department of Education (two 3-day intensive workshops for teachers earning graduate credit). *Educating Children with Autism*. (Oct, 2006 & Feb, 2007)

Invited Speaker, University of Alaska at Anchorage, Statewide Special Education Conference. Conducted three workshops on *School-based Intervention* across two years (2003-2004).

Distinguished Speaker, Waisman Center for Developmental Disabilities, University of Wisconsin. *The Paradox of Williams Syndrome and Autism*. Madison, Wisconsin. (April, 2005).

Invited Speaker, Shriver Center, University of Massachusetts, Visiting Lecturer Series. *Autism Symptoms in Genetic Disorders*. Boston, Massachusetts (December, 2004).

Local/Regional Invited Lectures, Clinical Trainings and Workshops (selected)

Invited Trainer, Colorado Department of Education. *Statewide Workshop on Educational Identification of Students with Autism* (led course for advanced providers in Colorado schools; comprised of 4 3-hour sessions delivered via telehealth); provided 3 times in 2021; 2 times in 2020; overall, have trained over 480 educators around the state so far

Invited Speaker, Tri-State Professional Development Series (Colorado, Nebraska, Kansas State Departments of Education). *Early Identification of Autism Spectrum Disorder in Girls*. Presented via webinar in Colorado (March 2021).

Invited Trainer, Colorado Department of Education. *Statewide Workshop on Educational Identification of Students with Autism (2-Day Workshop)*, Sterling, Colorado (January 2020).

Invited Speaker, Tri-State Professional Development Series (Colorado, Nebraska, Kansas State Departments of Education). *Educational Identification Case Studies: Is it ASD or SED or Both?* Presented via webinar in Colorado (March, 2020).

Invited Speaker, Littleton Public Schools Family Series. *Supporting Parents of Students with Special Needs through Mindfulness Interventions*. Presented a 2-hour workshop at Littleton Public Schools (December 2019).

Invited Speaker, Parent Education Series, Foothills Gateway Community Centered Board for Larimer County. *How to Get Started: A Presentation for Parents of Newly Diagnosed Children with Autism*. Presented a 2-hour interactive event at Foothills Gateway in Fort Collins, CO (October 2019 & April 2019; presented via telehealth in February 2020 and April 2021).

Invited Speaker, Therapist Network Alliance Monthly Professional Series. *Establishing a Therapeutic Alliance with Young Adults with ASD*. Presented at the Larimer County Dept of Public Health, Fort Collins (Sept. 2019).

Invited Speaker, Tri-State Professional Development Series (Colorado, Nebraska, Kansas State Departments of Education). *Differential Identification of Autism Spectrum Disorder and Serious Emotional Disability in School Settings*. Presented via webinar in Colorado (March, 2019).

Keynote Speaker, Early identification and intervention for children with ASD.

CANDO/CASCADE (Statewide Implementation Grant), Denver, CO (June, 2014).

<http://www.ucdenver.edu/academics/colleges/medicalschoo/programs/JFKPartners/educationtraining/Pages/Individualizing-Early-Intervention-for-Children-with-ASD-DD.aspx>

Invited Speaker, CASCADE Statewide Implementation Grant Webinar Series. Improving Educational Identification in Colorado. Presented via webinar in Denver, CO (Nov, 2013)

Invited Speaker, Western Slope Providers' Conference for Educators and Physicians. Educational Identification & Medical Diagnoses of ASD: What's similar and what's different? Grand Junction, CO (Sept, 2013)

Invited Speaker, Colorado Autism Task Force Webinar Series. Update on Educational Identification Policy. Denver, CO (Sept, 2013). Retrieved from

<http://www.ucdenver.edu/academics/colleges/medicalschoo/programs/JFKPartners/educationtraining/Pages/CoCANDO---Update-on-Educational-Identification-Policy.aspx>.

Lead Trainer, Colorado Department of Education. Educational Evaluation Leadership Series, 8-day intensive training for 48 educators conducting evaluations for ASD in Colorado, (2012-2013)

Lead Trainer, Colorado Department of Education, Educational Identification Series, 4-day intensive training and 4 webinars for 62 educators in rural Colorado (2011-2012); 5-day intensive training for 88 educators across the state (2010-2011); 10-day intensive training for 122 educators in metropolitan Denver (2009-2010)

Invited Speaker, Western Slope Connections Conference, in Grand Junction, CO. Presented two talks each year to parents and professionals in April of 2010, 2012, 2013, 2014, 2016.

Invited Speaker, Autism Commission of the State of Colorado. Medical diagnosis and educational evaluations. Denver, CO (Sept, 2010)

Invited Speaker, Bi-Annual Conference of the Colorado Association of Infant Mental Health. Screening for Autism in Young Children. Denver, CO (Feb 2009 and Feb 2011)

Invited Speaker, Autism in Children Under 3: Signs, Symptoms, and Relevant Interventions for Part C Providers. Included by request in the national archives of the Institute on Early Intervention. Denver, CO (July, 2007)

Invited Presenter, Bresnahan & Halstead Kephart Special Education Symposia, sponsored by University of Northern Colorado. Early assessment and diagnosis of autism for educators – 6-hour workshop. Vail, CO (July, 2005)

Grants

Ongoing External Funding

Fidler, D.J. (PI), Hepburn, S. (Co-I), Riggs, N. (Co-I), Daunhaurer, L. (Co-I). 2021-2023. The Jerome Lejeune Foundation. *Executive Function Intervention for Young Children with Down Syndrome* (#2061; \$47,400).

Ongoing Internal Funding

Hepburn, S. (PI) & Peters, C. (Co-PI). 2020-2022. Internal CSU Grant from School of Social Work: Human-Animal Interactions. *Piloting an enhanced protocol to evaluate*

occupational therapy in an equine environment. 2 years, \$100,000.

Proposals Submitted/Under Review in 2022

Peters, C., (PI), Hepburn, S. (Co-I), Aichele, S. (Co-I). 2022–2024. National Institute of Child Health and Human Development. *Preliminary efficacy of occupational therapy integrating horses on self-regulation in youth with autism spectrum disorder*, (R21 150948), 3 years, \$275,000.

Fidler, D.J. (PI), Hepburn, S. (Co-PI). 2022-2027. National Institutes of Health/National Institute of Child Health and Human Development. *Autism Spectrum Disorder in Down syndrome: Developmental and Molecular Mechanisms*. (\$2,300,000). Resubmission.

Completed Funding Since 2016 (When started at CSU)

Krafchick, J.L., Zimmerman, T., & Hepburn, S. 2019-2020. Colorado State University Extension Grant/Cooperative Agreement. *Garfield County 4H Training – Mentoring and Disabilities*. (\$5000).

Peters, C. (Co-PI) & Hepburn, S. (Co-PI). 2018-2020. Horses and Humans Research Foundation Grant. *The Feasibility, Acceptability, and Preliminary Efficacy of a Manualized Equine-Assisted Occupational Therapy Intervention for Children with Autism*. (\$50,000).

Hepburn, S. (PI). 2015-2019. NIMH/Subcontract from University of Colorado at Denver, State of Colorado Higher Education. *Facing Your Fears in School Settings: Implementing a CBT Program for Students with ASD or other Special Learning Needs*. \$400,000/49,291.00.

Hepburn, S. (PI). 2015-2018. Simons Foundation Spark Center Grant. *Colorado Clinical Autism Network Site (C-CAN)*. Role: PI – transferred to C. Robinson in September of 2017.

Friedman, S. (PI) & Hepburn, S. (Co-PI). 2015-2017. HRSA/MCHB Technical Assistance Supplemental Grant. *DBP Connections: Engaging Primary Care Physicians in Case Consultation via Telehealth in Rural Colorado*.

Robinson, C. (PI), DiGuseppi (Co-PI). 2011- 2016. Centers for Disease Control and Prevention. *Colorado CADDRE Study to Explore Early Development (CADDRE_SEED II; 5U01DD000750-02.)* Role: Co-I and Supervising Site Clinician.

Robinson, C. (PI). 2011-2016). HRSA/LEND. *Leadership education In neurodevelopmental and related disorders training program* Award # 1 T73 MC11044-01-00). Role: Autism Courses Director.

Griffith, E. (PI). HRSA/MCHB. 2014-2017. *Parent-Mediated Interventions in Autism: The Search for Meaningful Outcomes* (1 R40MC27703-01-00). Role: Co-I.

Blakeley-Smith, A. Organization for Autism Research. 2016-2018. *Facing Your Fears: Supporting Teens with Autism Spectrum Disorders and Intellectual Disabilities*. Role: Co-I.

Completed Projects at University of Colorado (1999-2016; in reverse chronological order)

Genetics of autism symptoms in Down syndrome. Linda Crnic Institute on Down Syndrome (University of Colorado School of Medicine). (07/01/14 – 06/30/16). (PI = T. Shaikh). Goal: to

examine the candidate genetic mechanisms for comorbid ASD and DS and to examine the feasibility of an abbreviated phenotype battery for future multi-site genetics study. Role: Co-Investigator in charge of Autism Phenotype Battery.

AR120207, Department of Defense (CDMRP) (09/01/13-08/31/16). *An MEG Investigation of Neural Biomarkers and Language in Nonverbal Children with Autism Spectrum Disorders*. The goal of this project is to use MEG to identify neural biomarkers associated with language processing in nonverbal children with autism spectrum disorders. Specific Aims: (1) Determine if language impairment in nonverbal children with ASD is related to a) non-specific auditory processing deficits and/or b) language-specific processing deficits. (2) Assess the validity of these neural markers as measures of language function. Role: PI.

Improving educational identification in rural communities (2012 – 2014). Funded by Autism Speaks (Global Autism Public Health Initiative). Role: PI. Goal: develop and evaluate technical assistance materials for Colorado educators involved in special education eligibility evaluations where autism is suspected.

Research and innovation to improve services and results for children with disabilities (2011 – 2015). Funded by the Department of Education, Award # R324A110136. Role: Co-I, provide logistical support for participant recruitment & qualification, consult on measures and manuscripts. Goal: examine phenotype-specific profiles of learning style, mastery motivation, and problem-solving skills in school-aged children with various developmental disabilities.

Parent mentoring project (2011 – 2014). Funded by HRSA/MCHB, Award # R40MC22643-01-00. Role: Mentor to PI (E. Moody); consultant on content & methods of implementation study. Goal: examine the feasibility, acceptability and efficacy of a parent mentor support project for families of children with autism spectrum disorders.

Executive function and participation in daily life in children with Down syndrome (2010 – 2013). Funded by the Department of Education, Award # H133G100197. Role: Site PI, assist with participant recruitment, qualification and evaluation visits. Goal: examine the profile of executive function skills in school-aged children with Down syndrome and identify relevant educational targets.

Neural synchrony and dysfunction of gamma oscillations in autism (2009 – 2014). Funded by National Institutes of Mental Health, R01 MH082820. Role: Co-I, develop and implement behavioral phenotype battery for neuroimaging study. Goal: examine the specificity of a potential biomarker for autism, using neuroimaging.

Training outpatient clinicians to deliver cognitive behavior therapy to children with autism (2009-2014), R21/34 MH089291-01. Role: Co-I, consult on methodological aspects of study; analyze data; contribute to manuscripts and conference presentations. Goal: The purpose of this multi-site study is to compare different methods of training outpatient clinicians to fidelity on a manualized, evidence-based group CBT intervention for 8-14 year old children with ASD.

Telehealth delivery of a family-focused intervention to reduce anxiety in youth with Autism Spectrum Disorders in rural Colorado (2009-2012). Funded by HRSA/MCHB, Award # R40 MC15593-01-00. Role: PI. Goal: to develop and evaluate a telehealth version of an evidence-based treatment for anxiety in ASD.

fMRI of phonological processing in autism (2009 – 2011). Funded by Weatherstone Fellowship in Autism Research, Autism Speaks. Role: Mentor/Sponsor to L. Wilson (PI). Goal: examine possible language-based endophenotype for ASD using fMRI.

Emotional mimicry in children with autism (2008 – 2011). Funded by the Ruth L. Kirschstein National Research Service Award for Postdoctoral Fellows, Award # I1K32MH081409-01A1. Role: Mentor/Sponsor to E. Moody (PI). Goal: examine EMG as possible biomarker of ASD.

Treating anxiety symptoms in adolescents with high-functioning autism or Asperger Syndrome (2008 – 2011). Funded by Autism Speaks, Award # PN200511-081. Role: Co-I, design and implement efficacy measures. Goal: modify and test treatment protocol to reduce anxiety in teens with ASD.

Autism Intervention Research Award for a research network on physical conditions among children with autism (2008 – 2011). Funded by HRSA/ATN, Award # PN200806-128. Role: Co-I; help design study, assist with participant recruitment, qualification and phenotyping, help analyze findings. Goal: develop studies of sleep and GI in ASD.

Peer-mediated intervention for elementary school students with autism spectrum disorders (2008 – 2010). Funded by the Organization for Autism Research, Award # PN200708-008. Role: Mentor to A. Blakeley-Smith (PI), assist with study design and implementation. Goal: examine effectiveness of peer training program for use in elementary schools serving students with ASD.

Autism Treatment Network: Cooperative multi-center program for comprehensive care and treatment of autism (2007 – 2014). Funded by Autism Speaks, Award # ATN-CRT-07-02. Role: Co-I, write grant, collaborate on study implementation. Goal: collaborate with other medical centers in developing and implementing standard of care medical interventions for ASD.

Gamma-band synchronization as a local connectivity endophenotype in autism (2007 – 2009). Funded by Autism Speaks. Role: Co-I with D. Rojas (PI), design and implement behavioral phenotype battery. Goal: examine connectivity issues in language region through MEG.

Family-focused cognitive-behavioral therapy in children with autism (2006 – 2009). Funded by Cure Autism Now. Role: Co-I, design study and lead evaluation efforts. Goal: conduct pilot study of original manualized treatment for anxiety in ASD.

Assessment of social, communicative and behavioral skills in children with Down syndrome (2006 – 2008). Funded by Association of University Centers on Disabilities and the Centers for Disease Control and Prevention, Award # RTOI2005-1/2-416. Role: Co-PI with C. Robinson, write grant, collaborate on study design, oversee autism evaluations/study visits. Goal: estimate prevalence of autism in children with Down syndrome.

Planum temporale and language in parents of children with autism (2005-2007). Funded by Cure Autism Now. Role: Site Supervising Clinician and Co-I with D. Rojas (PI). Goal: examine potential language endophenotype for ASD through neuroimaging.

DNA study of autism: Extension of the Utah family study (2004 – 2008). Funded by National Institute of Mental Health, Award # 1 R01 MH069359. Role: Site PI with H. Coon (PI), recruit and phenotype families of children with ASD for a multi-site genetics study. Goal: examine genetic markers in families of children with ASD.

Cognitive-behavioral group treatment for anxiety symptoms in children with autism spectrum disorders (2004 – 2006). Funded by Organization for Autism Research, Award # PN200509-47. Role: Co-I with J. Reaven (PI), design evaluation component of study and implement qualification and outcomes batteries, analyze findings. Goal: develop treatment manual for pilot intervention study.

Early emerging Williams Syndrome behavioral phenotype: Implications for early intervention (2003 – 2006). Funded by March of Dimes, Award #12-FY03-47. Role: PI, design and implement comprehensive behavioral phenotype battery, oversee evaluations, data analysis and interpretation. Goal: describe behavioral phenotype of WMS in young children.

Quantitative evaluation of sensory reactivity in children with autism (2003-2004). Funded by Cure Autism Now, \$40,000. Role: Co-I with L. Miller (PI), oversee diagnostic and behavioral evaluations, recruit participants for psychophysiological protocol. Goal: examine association between a novel psychophysiological assessment and a behavioral observation tool for detecting response to sensory changes in the environment.

Colorado study of early experience and development (2002 – 2012). Funded by the Centers for Disease Control, Award # 07-FHA-00070. Role: Co-I and Supervising Site Clinician, help develop multi-site study protocol and oversee implementation of the diagnostic evaluations at the Colorado site (450 children over 5 years). Goal: multi-site epidemiological study of ASD involved in testing several hypotheses concerning etiology, symptom presentation and symptom specificity in ASD, relative to other developmental disorders.

Longitudinal study of the developing phenotype of autism (2002 – 2007). Funded by: National Institute of Child Health and Development, Award #5-R01-HD35468-10. Role: Site PI. Develop and direct one of five projects within a Program Project (S. Rogers and B. Pennington, P.I.) affiliated with the Collaborative Programs of Excellence in Autism (CPEA Network). Goal: follow children with and without ASD from age 2 to age 10 and test hypotheses concerning early characteristics and later outcomes.

Bibliography (in reverse chronological order)

Papers Published in Peer-Reviewed Journals (* indicates student)

Fidler, D.J., Prince, M.A., Van Deusen*, K., Esbensen, A., Thurman, A., Abbeduto, L., Mervis, C., Schworer*, E., Patel, L., Lee, N.R., Edgin, J., Hepburn, S., Davis, S., & Daunhauer, L. (2022). Latent profiles of autism symptoms in children and adolescents with Down syndrome. *Journal of Intellectual Disability Research*. Online early.

Wiggins, L., Hepburn, S., Nadler, C., Reynolds, A., Rosenberg, S. & Zubler, J. (2021). Toileting resistance among preschool age children with and without autism spectrum disorder. *Journal of Developmental & Behavioral Pediatrics*. Online early.

Peters*, B.C., Wood, W., Hepburn, S., & Merritt, T. (2021). The feasibility and acceptability of occupational therapy in an equine environment for youth with autism spectrum disorder. *Research in Autism Spectrum Disorders*, 80:101695. DOI: 10.1016/j.rasd.2020.101695

- Peters*, B.C., Wood, W., Hepburn, S., & Moody, E. (2021). Preliminary efficacy of occupational therapy in an equine environment for youth with autism spectrum disorder. *Journal of Autism and Developmental Disorders*. DOI: 10.1007/s10803-021-05278-0.
- Reaven, J., Meyer, A., Pickard, K., Boles, R.E., Hayutin, L., Middleton, C., Reyes, N.M., Hepburn, S.L., Tanda, T., Stahmer, A., & Blakeley-Smith, A. (2021). Increasing access and reach: Implementing school-based CBT for anxiety in students with ASD or Suspected ASD. *Evidence-Based Practice in Child and Adolescent Mental Health*. Online early. DOI: 10.1080/23794925.2021.1941.1430
- Riggs, N., Hepburn, S., Pinks*, M., & Fidler, D.J. (2021). A prevention science approach to promoting health and quality of life for individuals with intellectual and developmental disabilities. *Infant and Child Development*.
- Riggs, N., Hepburn, S., & Pinks*, M. (2021). Applying a prevention science approach for promoting health for individuals with intellectual and developmental disabilities. *International Review of Research in Developmental Disabilities*. Online early. DOI: 10.1016/bs.irrdd.2021.06.001
- Tomaszewski*, B.R., Hepburn, S., Blakeley-Smith, A., & Rogers, S. (2021). Developmental trajectories of adaptive behavior from toddlerhood to middle childhood in autism spectrum disorder. *American Journal on Intellectual & Developmental Disabilities* (3), 155-169. DOI: 10.1352/1944-7558-125.3.155.PMID: 32357104.
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- Fidler, D.J., Hepburn, S., Schworer, E. & Swanson, M. (2020). Intellectual disability. In R. Sternberg (Ed.), *Cambridge Handbook of Intelligence*, pp. 241-257. New York, NY: Cambridge University Press.
- Hepburn, S., Griffith, E. (2018). Using technological innovations to support parents of young

- children with autism. In M. Siller & L. Morgan (Ed.), *Handbook of Parent-Implemented Interventions for Young Children with Autism* (pp. 240-252). New York, New York: Springer Publishing.
- Reaven, J., Blakeley-Smith, A., & Hepburn, S. (2014). Bridging the research to practice gap in autism research: Implementing group CBT interventions for youth with ASD and anxiety in clinical practice. In *Handbook of Autism and Anxiety Disorders*, pp 185-200, New York, NY: Springer.
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- Hepburn, S. & Fidler, D.J. (2012). What autism looks like in people with Down Syndrome: The behavioral phenotype. In M. Froehle & R. Zaborek (Eds.), *Down syndrome and autism: A primer for families*. New Jersey: Woodbine Press.
- Fidler, D.J., Hepburn, S.L. & Osaki, D. (2011). Goal-directedness as a target for early intervention in Down syndrome. In J. Rondal & J. Perera (Eds), *Neurocognitive Rehabilitation in Down Syndrome: The Early Years*. London, England. Cambridge University Press.
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- Hepburn, S. (2011). Princeton Child Development Institute. In F. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders*. New Delhi, India: Springer Publishing.
- Philofsky*, A. & Hepburn, S.L. (2007). Language profiles in young children with fragile X syndrome and autism symptoms. In J.J. Upner (Ed.), *New Research on Fragile X Syndrome*, pp.1-22. New York: Nova Science Publishers.
- Hepburn, S.L. & Stone, W.L. (2006). Longitudinal research on motor imitation in autism. In S.J. Rogers and J.H.G. Williams (Eds.), *Imitation and the Social Mind*, pp. 310-328. New York: Guilford Press.
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Edited Special Issue of a Journal

- Hepburn, S. (2020). *International Review of Research in Developmental Disabilities: Family-Focused Interventions, Vol. 59*. London: Elsevier Press.

Scientific Abstracts Presented at National or International Meetings (since 2001)

- Fidler, D.J., Prince, M.A., Van Deusen, K., Esbensen, A, Thurman, A., Abbeduto, L., Mervis, C., Schworer, E., Patel, L., Lee, N.R., Edgin, J., Hepburn, S., & Daunhauer, L. (2021, Sept.) *Latent profiles of autism symptoms in children and adolescents with Down syndrome*. Paper presentation to the Society for the Study of Behavioural Phenotypes, online.
- Reaven, J., Hepburn, S., Boles, R., & Blakeley-Smith, A. (2021, May). *Sex differences in anxiety symptoms and treatment response in youth with ASD participating in Facing Your Fears*. Paper presented at the International Meeting for Autism Research, Seattle, online.

- Wiggins, L., Nadler, C., Hepburn, S., Rosenberg, S., Reynolds, A., Zubler, A. (2021, May). Toileting resistance among preschool children with and without autism spectrum disorder. Poster presented at the International Meeting for Autism Research (IMFAR), online.
- Peters, C., Wood, W., & Hepburn, S (2021, April). *The feasibility, acceptability, and preliminary efficacy of occupational therapy in an equine environment for youth with autism*. Poster presented at the Gatlinburg Conference, online.
- Middleton, C., Reaven, J., Blakeley-Smith, A., Boles, R., ...& Hepburn, S. (2020, May). *A school-based intervention for students with anxiety and ASD: An examination of interdisciplinary school providers' attitudes toward adoption*. Online at IMFAR.
- Reaven, J., Boles, R., Hayutin, L., Hepburn, S., Meyer*, A., Morris, M., Pickard*, K., Reyes, N., Tanda, T., Walsh, C., & Blakeley-Smith, A. (2019, June). *Addressing access and reach: Implementation of a group CBT intervention for managing anxiety in students with ASD in urban schools*. Oral presentation at the Autism Cares Meeting, Washington, D.C.
- Blakeley-Smith, A., Meyer*, A., Boles, R., Hepburn, S., & Reaven, J. (2019, May). *Group cognitive behavioral treatment for anxiety in adolescents with ASD and intellectual disability*. Paper presented at IMFAR, Montreal, Quebec, Canada.
- Reaven, J., Boles, R., Hayutin, L., Hepburn, S., Meyer*, A., Morris, M., Pickard*, K., Reyes, N., Tanda, T., Walsh, C., & Blakeley-Smith, A. (2019, May). *Addressing issues of access and reach: an implementation study of Facing Your Fears in urban schools*. Oral presentation at the pre-meeting on mental health and ASD; IMFAR, Montreal, Quebec, Canada.
- DeVries*, L., Pickard*, K., Moody, E., Blakeley-Smith, A., Hepburn, S., Reaven, J. (2018, November). *Association between maternal factors and treatment response to a group CBT treatment for youth with ASD and co-occurring anxiety*. Poster presented at the Annual Meeting of the Association of Behavioral & Cognitive Therapies, Chicago, IL.
- Godfrey*, M., Tapera, T., Zhang, F., Fidler, D., Robinson, C., Hepburn, S., Lee, N., (2018, June). *Identifying Autism Diagnostic Interview-Revised algorithm items that significantly distinguish autism spectrum disorder and Down syndrome*. International Neuropsychological Society, Washington, DC.
- Moody, E. Reyes, N. Barger, B. Ledbetter, C. Mellman, H. Hepburn, S. Rosenberg, S. (May, 2018). *The role of social awareness and motivation in interpersonal behavior and imitation in children with autism*. Poster presented at IMFAR, Rotterdam, Netherlands.
- Hamner*, T., Robins, D. L., Fidler, D., Hepburn, S., Lee, N. R., & Robinson, C. R. (2018, May), *Comorbid Down syndrome and ASD: Differential social affect in ASD symptoms*. IMFAR, Rotterdam, Netherlands.
- Godfrey*, M., Tapera, T., Zhang, F., Fidler, D., Robinson, C., Hepburn, S., Lee, N. R. (2018, February). *Identifying Autism Diagnostic Interview-Revised algorithm items that significantly distinguish autism spectrum disorder and down syndrome*. Poster presented at the International Meeting of the Neuropsychological Society. Washington DC.
- Blakeley-Smith, A., Hepburn, S., Reaven, J., Pugliese, C., Kushner, E. (2017, November). *Expanding who we serve: Careful adaptations of evidence-based treatments for youth with ASD*. Panel discussion at the Association for Behavioral and Cognitive Therapies, San Diego, CA.
- *Schworer, E. K., Fidler, D., Robinson, C., Lee, N., Hepburn, S. (2017, August). *Temperament and joint attention in Down syndrome*. Poster presented at the Annual Conference of the American Psychological Association, Washington DC.
- Griffith, E., *Kaiser, K., *Folan, A., Hepburn, S. (2017, July). *Collaborating with community partners: Impacts on the course of research*. Poster presented at the AUCD Autism CARES Meeting, Washington, DC.
- Villagomez*, A., *Crain, H., Hepburn, S., Griffith, E. (2017, May). *Family quality of life: Impact of*

- parent understanding and perceptions of autism spectrum disorder*. Poster presented at the International Meeting for Autism Research, San Francisco, CA.
- Hepburn, S., *Reyes, N., *Soke, G., Walsh, C. (2017, May). *Stability of temperament in children with autism spectrum disorder, developmental delays, and typical development: A brief longitudinal study*. Poster presented at IMFAR, San Francisco, CA.
- Udhani, M. D., Hamner*, T., Fidler, D., Hepburn, S., Rosenberg, R., & Lee, N.R. (2017, May). *Comparison of Mullen profiles among children with DS, ASD, and comorbid presentation of DS+ASD*. Poster presented at IMFAR, San Francisco, CA.
- Godfrey, M., Fidler, D., Robinson, C., Hepburn, S., Lee, N. R. (2017, March). *Comparing social, communicative, and repetitive behaviors in children with Down syndrome and autism spectrum disorder matched on verbal mental ability level*. Poster presented at the NICHD Gatlinburg Conference on Intellectual Disabilities, San Antonio, TX.
- Hepburn, S., Dressler, P.*, & Friedman, S. (2016, December). *Colorado FAST project: DBP Connections: Engaging primary care physicians in case consultation via telehealth in rural Colorado*. Invited presentation at the Association of University Centers on Disability Annual Conference: Navigating Change: Building our Future Together, Washington, DC.
- Blakeley-Smith, A., & Hepburn, S. (2016, October). *Peers as Agents of Change on the Playground*. Paper presented as part of a symposium (Creative strategies for unique problems: Dissemination and implementation in ASD; Chair: L. Anthony) at the Association of Behavior and Cognitive Therapies, New York.
- Hepburn, S., Blakeley-Smith, A., & Reaven, J. (2016, October). *TeleCopes project: Reaching rural families through videoconferencing*. Paper presented as part of a symposium (Creative strategies for unique problems: Dissemination and implementation in ASD; Chair: L. Anthony) at the Association of Behavior and Cognitive Therapies, New York.
- Blakeley-Smith, Hepburn, S., Moody, E., A., Klinger, L., Keefer, A., Duncan, A., O'Kelley, & J. Reaven. (2016, July). *Treatment fidelity and clinician experience: Implementation of "Facing Your Fears" in outpatient settings*. Paper presented at IMFAR, Baltimore, MD.
- Hepburn, S., Blakeley-Smith, A., & Reaven, J. (2016, May). *Maintenance of intervention effects of a family-focused cognitive-behavioral treatment for anxiety in youth with ASD*. Paper presented at IMFAR, Baltimore, MD.
- Keefer, A, Kreiser, NL, Singh, V, Blakely-Smith, A, Duncan, AW, Hepburn, S, Johnson, C, Klinger, LG, Meyer, A, Reaven, J, & Vasa, RA. (2016, May). *Exploring relationships between negative cognitions and anxiety symptoms in youth with autism spectrum disorder*. Paper presented at IMFAR, Baltimore, MD.
- Reaven, J., Blakeley-Smith, A., Moody, E., Klinger, L.G., Keefer, A., Duncan, A., O'Kelley, S., & Hepburn, S. (2016, May). *Training clinicians to deliver group CBT to manage anxiety in youth with high-functioning ASD: Results of a multi-site trial*. Paper presented at IMFAR, Baltimore, MD.
- Walsh, C.E.*, Blakeley-Smith, Hepburn, S., Moody, E., A., Klinger, L.G., Keefer, A., Duncan, A., O'Kelley, S., & Reaven, J. (2016, May). *The relationship between treatment acceptability and child outcome in group CBT for youth with ASD and anxiety*. Poster presented at IMFAR, Baltimore, MD.
- Wiggins, L.D., Thompson, W., Tian, L.H., Schieve, L., Daniels, J., Pandey, J., Lee, C., Rice, C., Hepburn, S., Edmondson Pretzel, R., Blaskey, L. & Levy, S. (2016, May). *Homogeneous subgroups of autism spectrum disorder based on behavioral, developmental, and medical phenotypes*. Paper presented at IMFAR, Baltimore, MD.
- Kaiser*, K., Folan*, A., Hepburn, S., & Griffith, E.M. (2015, July). *Partnering with families to*

- determine meaningful outcomes of parent mediated interventions for young children with autism spectrum disorder.* Poster presented at the MCHB/CARES Meeting, Washington, DC.
- Hepburn, S.L., Reaven, J. & Blakeley-Smith, A. (2015, May). *Telehealth delivery of cognitive-behavioral intervention for anxiety in youth with ASD: Perspectives of parents in rural communities.* Poster presented at IMFAR, Salt Lake City.
- Ankeny*, L., Reyes, N.M., & Hepburn, S.L. (2015, May). *Early temperamental persistence and associations with later executive functioning.* Poster presented at IMFAR, Salt Lake City.
- Schultz*, P., Reaven, J., Blakeley-Smith, A., and Hepburn, S.L. (2015, May). *Who responds to cognitive-behavioral group treatment? Associations between anxiety symptom reduction and autism symptom domains.* Poster presented at IMFAR, Salt Lake City.
- Hepburn, S. (2015, March). *Discussant for panel on executive function and developmental disabilities* (Fidler, Daunhauer & Will). Symposia presented at the Annual Meeting of the Gatlinburg Conference, New Orleans, LA.
- Hepburn, S. (2015, March). Invited panel member for forum on seeking funding from the National Institute of Health. *Professional Development Seminar* at the Annual Meeting of the Gatlinburg Conference, New Orleans, LA.
- Ankeny*, L. and Hepburn, S. (2014, May). *Executive dysfunction in a sample of high-functioning autism.* Poster presented at IMFAR, Atlanta, GA.
- Rojas, D.C., Steinmetz*, S., Hepburn, S.L., Brown, M.S. (2014, May). *Auditory Gamma-Band Power is Related to GABA Concentration in Autism.* Poster at IMFAR, Atlanta, GA.
- Feng, H., Silver, S., Gutierrez, A., Hepburn, S., Zhang, J., Mesfin, M., Mahoor, M.H.. (2014, May). *Using social robots at improving eye-gaze attention of children with autism spectrum disorders.* Poster presented at IMFAR, Atlanta, GA.
- Stern*, J., Blakeley-Smith, Hepburn, S., McCormick*, C., & Rogers, S. (2014, May). *Predicting child anxiety and problem behavior: A longitudinal study of children with and without autism spectrum disorders.* Poster presented at the Association of for Psychological Science, San Francisco, CA.
- Daunhauer, L. A., Fidler, D. J., Will*, E., Visootsak, J (2014, March). *Are inhibitory control deficits a component of the cognitive phenotypic profile in school-age children with Down syndrome?* Discussant for symposium, Gatlinburg Conference, Chicago, IL.
- Reaven, J., Blakeley-Smith, A., Beattie, T., Sullivan, A., Moody, E., Hepburn, S., & Smith, I. (2013, October). *Improving Transportability of a CBT Intervention for Anxiety in Youth with ASD: Results from a US-Canada Collaboration.* Poster presented at the Annual Conference of the Coleman Institute, Denver, CO.
- Hepburn, S. (2013, May). *Reaching rural families of youth with ASD through telehealth.* Presented at a symposium at IMFAR, San Sebastian, Spain.
- Wiggins, L., Levy, S.E., Reynolds, A.M., Schieve, L., Hepburn, S., Lee, L.C., Rice, C.E., Daniels, J.L., Croen, L.A., Giarelli, E., Robinson, C., DiGuisseppe, C., Blaskey, L., Young, L., Yergin-Allsopp, M., Pinto-Martin, J., Thompson, P., Souders, M.C., & Schendel, D. (2012, May). *Phenotypic profiles of children with and without an autism spectrum disorder in the study to explore early development.* Paper presented at IMFAR, Toronto, Ontario.
- Wilson*, L., Slason, E., Pasko, B., McFadden, K., Hepburn, S., & Rojas, D. (2012, May). *A MEG investigation of phonological processing in autism.* Paper presented at IMFAR, Toronto, Ontario.
- Buard*, I., Kronberg, E., Rogers, S.J., Hepburn, S., & Rojas, D. (2012, May). *An MEG study of high-frequency brain oscillations in autism and first degree relatives during picture naming.* Paper presented at IMFAR, Toronto, Ontario.
- Rojas, D., Steinmetz*, S., Singel, D., Hepburn, S., & Brown, M. (2012, May). *Reduced auditory*

- cortical GABA concentration in ASD and first degree relatives.* Paper presented at IMFAR, Toronto, Ontario.
- McFadden*, K., Steinmetz, S., Moiyadi A., Wilson*, L., Kronberg, E., Hepburn, S., & Rojas, D. (2012, May). *Reduced transient and steady-state auditory gamma band activity in children with autism spectrum disorders and their unaffected siblings.* Paper presented at IMFAR, Toronto, Ontario.
- Schendel & SEED Research Group (2012, May). *The Study to Explore Early Development: Study design and implementation of a multi-site epidemiological study of autism.* Paper presented at IMFAR, Toronto, Ontario.
- Hepburn, S.L. & Katz, T. (2012, May). *Improving educational identification in rural communities.* Invited presentation at the Global Autism & Public Health Forum at IMFAR, Toronto.
- Moody, E., McIntosh, D., Lindsay, A., Turner*, & Hepburn, S. (2012, May). *Preserved mimicry in children with autism: Enhanced mimicry in children with Williams syndrome.* Paper presented at IMFAR, Toronto, Ontario.
- Hepburn, S.L. (2012, April). *The TeleCopes Project: Delivering psychosocial interventions through videoconferencing to families of youth with autism in rural Colorado.* Invited presentation at the Expert Workshop on Developing Interventions for Underserved Families with Autism, Maternal & Child Health Bureau, Washington, DC.
- Wilson*, L.B., Tregellas, J.R., Slason, E., Pasko, B.E., Hepburn, S. & Rojas, D. (2011, May). *fMRI of implicit phonological processing in autism.* Paper presented at IMFAR, San Diego.
- Yerys*, B., Wolff*, B., Moody, E., Pennington, B., & Hepburn, S. (2011, May). *Getting stuck: Children with high-functioning autism spectrum disorders demonstrate impaired cognitive flexibility.* Paper presented at IMFAR, San Diego, CA.
- Blakeley-Smith, A., Reaven, J., & Hepburn, S. (2011, May). *Examining the impact of cognitive behavioral group therapy on quality of life in adolescents with high functioning autism spectrum disorders.* Paper presented at IMFAR, San Diego, CA.
- Hepburn, S., Reaven, J., Blakeley-Smith, A., Wolff*, B., & Kaiser, K. (2011, May). *Delivering psychosocial interventions through videoconferencing: Pilot efforts to reach rural families.* Paper presented at IMFAR, San Diego, CA.
- Leuthe*, E., Blakeley-Smith, A., Wolff*, B., Hepburn, S., & Reaven, J. (2011, May). *Cognitive-behavioral group therapy for children with autism spectrum disorders and anxiety: Moderating influence of negative cognitions.* Paper presented at IMFAR, San Diego, CA.
- McFadden*, K.L., Rojas, D.C., & Hepburn, S. (2011, May). *Abnormalities in neuronal gamma-band synchronization and M100 latency delays in first-degree relatives of children with autism spectrum disorders.* Paper presented at IMFAR, San Diego, CA.
- Ozonoff, S., Iosif, A.M., Young, G.S., Hepburn, S., Thompson, C., Columbi, C., Werner, E., & Rogers, S. (2011, May). *Onset patterns: Correspondence between home video and parent report.* Paper presented at IMFAR, San Diego, CA.
- Rojas, D., Wilson*, L.B., Teale, P., & Hepburn, S. (2011, May). *History of mental illness does not predict gamma band deficits in first-degree relatives of children with autism.* Paper presented at IMFAR, San Diego, CA.
- Gadgil*, M., Peterson, E., Tregellas, J.R., Hepburn, S. & Rojas, D. (2011, May). *Differences in global and local level information processing in autism: An fMRI investigation.* Paper presented at IMFAR, San Diego, CA.
- Reaven, J., Blakeley-Smith, A., Leuthe*, E., & Hepburn, S. (2011, May). *A family focused group cognitive behavioral therapy for adolescents with high-functioning autism spectrum disorders and anxiety: A pilot study.* Paper presented at IMFAR, San Diego, CA.
- Blakeley-Smith, A., & Hepburn, S.L., & Reaven, J. (2011, March). *Outcomes of a pilot study of*

- cognitive-behavioral group intervention for adolescents with ASD*. Paper presented at the Gatlinburg Conference, San Antonio, TX.
- Hepburn, S., & Reaven, J. (2011, January). *TeleCopes: Family-focused telehealth intervention to reduce anxiety in youth with autism spectrum disorders in rural Colorado*. Roundtable discussion presented at the AUCD/Combating Autism Act 2011 Meeting, Bethesda, Maryland.
- Hepburn, S. (2010, June). *The challenge of phenotypic heterogeneity in research on autism spectrum disorders*. Invited paper presented at the Mini-Symposium for Neurodevelopmental Disorders and Biomarkers, Colorado Intellectual and Developmental Disabilities Research Center, Denver, CO.
- Blakeley-Smith, A., Reaven, J.A., Leuthe*, E., Moody*, E., Hepburn, S. (2010, May). *Incorporating technology into a pilot cognitive behavioral therapy group*. Poster presented at IMFAR, Philadelphia, PA.
- Reaven, J.A., Blakeley-Smith, A., & Hepburn, S. (2010, May). *Treatment for adolescents with high functioning autism spectrum disorders*. Poster presented at IMFAR, Philadelphia, PA.
- Wilson*, L., Trejellas, J., Hepburn, S., & Rojas, D. (2010, May). *Functional neuroimaging of phonological processing in parents of individuals with autism*. Poster presented at IMFAR, Philadelphia, PA.
- Moody*, E., McIntosh, D., & Hepburn, S. (2010, May). *Spontaneous mimicry and imitation in children with autism*. Poster presented at IMFAR, Philadelphia, PA.
- Reaven, J., Blakeley-Smith, A., Culhane-Shelburne, K., & Hepburn, S. (2010, March). *A randomized trial: Group cognitive behavioral therapy for children with high-functioning autism and anxiety*. Poster presented at the Annual Conference of the Anxiety Disorders Association of America, Baltimore, MD.
- Lee* N.R., Hepburn S., Fidler D.J., Ridge K., Philofsky A., Blakely-Smith A., Robinson C. (2010, March). *Parent-report of executive functioning in a population-based sample of young children with Down syndrome*. Poster presented at the Gatlinburg Conference on Theory and Research in Intellectual and Developmental Disabilities, Annapolis, Maryland.
- Hepburn, S. (2010, February). *Medical diagnosis and educational identification*. Invited paper presented at Autism Commission for the State of Colorado.
- Hepburn, S. (2010, February). *Symptoms of autism in persons with Down Syndrome*. Invited paper presented at Autism Commission for the State of Colorado.
- Hepburn, S. (2010, January). *Investigating comorbidity: Down Syndrome and Autism*. Paper presented at the Developmental Psychobiology Research Group, University of Colorado at Denver, School of Medicine, Denver, Colorado.
- Reaven, J., Blakeley-Smith, Ridge*, K., & Hepburn, S. (2009, May). *Group cognitive behavioral therapy for children with high-functioning autism spectrum disorders and anxiety: A randomized trial*. Poster presented at IMFAR, Chicago, IL.
- Blakeley-Smith, A., Lickel*, A., & Hepburn, S. (2009, May). *Peer mediated interventions for elementary school students with autism spectrum disorders: Considering the role of attributions and behaviors*. Poster presented at IMFAR, Chicago, IL.
- Reaven, J., Blakeley-Smith, A., & Hepburn, S. (2008, November). *Studying psychosocial interventions targeting anxiety reduction in children with autism spectrum disorders*. Paper presented at the Association of University Centers on Disabilities, Annual Meeting and Conference, Washington, DC.
- Blakeley-Smith, A., Reaven, J., & Hepburn, S. (2008, November). *Cognitive behavioral group therapy for adolescents with autism spectrum disorders and anxiety*. Paper presented at the Association of University Centers on Disabilities Annual Meeting and Conference, Washington, DC.

- Hepburn, S.L., Robinson, C., Philofsky*, A., Lee*, N., DiGuseppi, C., & Miller, L. (2008, May). *Autism symptoms in children with Down Syndrome: Reliability of diagnostic tools*. Poster presented at IMFAR, London, England.
- Reynolds, A., Ribe, A., Miller, L., Hepburn, S., & Robinson, C. (2008, May). *Dysmorphology evaluation using pictures compared to physical exam in children with autism spectrum disorders*. Poster presented at IMFAR, London, England.
- Rogers, S.J., & Hepburn, S.L., Philofsky*, A., Most, D., & Fidler, D. (2008, May). *Predicting social competence in ASD from age 2 to age 8*. Paper presented at IMFAR, London.
- Nichols*, S., Blakeley-Smith, A., & Hepburn, S.L. (2008, May). *Sexuality, puberty, and growing up: Evaluating the effectiveness of a group psychoeducational curriculum for parents of youth with ASDs*. Poster presented at IMFAR, London, England.
- Reaven, J., Blakeley-Smith, A., & Hepburn, S. (2008, March). *Family-focused, cognitive-behavioral group therapy for children with high-functioning autism spectrum disorders and their parents: Preliminary results from an efficacy study*. Paper presented at the Gatlinburg Conference, San Diego, CA.
- Hepburn, S.L. (2008, March). *Symposium: Studying psychosocial interventions targeting anxiety reduction in children with autism spectrum disorders*. Presented at the Gatlinburg Conference, San Diego, CA.
- Robinson, C., Hepburn, S., Philofsky*, A., Fidler, D., DiGuseppi, C., & Miller, L. (2008, March). *Comorbidity of autism in children with Down syndrome: Implications for education and intervention*. Paper presented at the Gatlinburg Conference, San Diego, CA.
- Hepburn, S., Blakeley-Smith, A., Ridge*, K., & Reaven, J. (2008, March). *Implementation challenges of psychosocial intervention studies for dually-diagnosed children and their families: Measuring treatment adherence and other process variables*. Paper presented at the Gatlinburg Conference, San Diego, CA.
- Reaven, J. Blakeley-Smith*, A., Nichols*, S., Dasari, M., Flanigan*, E., & Hepburn, S. (2007, May). *Cognitive-behavioral group treatment for anxiety symptoms in children with high-functioning autism spectrum disorders*. Paper presented at IMFAR, Seattle, WA.
- Blakeley-Smith*, A., Reaven, J., & Hepburn, S. (2007, May). *Assessing anxiety symptoms in children with an autism spectrum disorder: Parent-child agreement*. Poster presented at IMFAR, Seattle, WA.
- Cole*, A., Most, D., Fidler, D., Philofsky*, A., & Hepburn, S. (2007, March). *Early learning profile in preschoolers with Williams syndrome: A descriptive study*. Poster presented at the Gatlinburg Conference, Annapolis, MD.
- Hayes*, A., MacLean, W., Hepburn, S., & Rogers, S. (2007, March). *Restricted, repetitive and stereotyped behaviors, interests, and activities in children with autism*. Poster presented at the Gatlinburg Conference, Annapolis, MD.
- Philofsky*, A., Fidler, D.J., & Hepburn, S.L. (2007, March). *Cross-syndrome comparisons of gesture use in toddlers*. Poster presented at the Gatlinburg Conference, Annapolis, MD.
- Raitano Lee*, N., Hepburn, S., Philofsky, A., & Fidler, D. (2007, March). *Developmental trajectories of language skills in toddlers and adolescents with Down syndrome*. Poster presented at the Gatlinburg Conference, Annapolis, MD.
- Robinson C, Hepburn S, Philofsky* A, Fidler D, DiGuseppi C, Miller L. (2007, October). *Prevalence of autism in children with Down syndrome: A population-based study using state-of-the-art assessment protocols*. Poster presented at the Coleman Institute Conference, Westminster, CO.
- Reynolds, A., Kaporich, K., Hepburn, S., Culhane-Shelburne, K., Miller, L., Herndon*, A., & Hoffenberg, E. (2007, May). *Intestinal permeability in children with autism spectrum disorders*. Poster presented at IMFAR, Seattle, WA.

- Columbi, C., Hepburn, S.L., & Rogers, S.J. (2007, May). *Generativity in young children with autism*. Poster presented at IMFAR, Seattle, WA.
- Nichols*, S., Blakeley-Smith*, A., Reaven, J., & Hepburn, S. (2006, May). *Sexuality, puberty and growing up: Addressing the needs of youth with autism spectrum disorders*. Poster presented at IMFAR, Montreal, Quebec.
- Reaven, J., Nichols*, S., Blakeley-Smith*, A., & Hepburn, S. (2006, May). *Group cognitive-behavioral therapy for children with high-functioning autism and anxiety*. Poster presented at IMFAR. Montreal, Quebec.
- Taylor-Bruckner, T., Yoder, P., Stone, W., Saylor, M., Hepburn, S., & Charman, T. (2006, May). *Quantifying qualitative differences: The words understood by toddlers with ASD and typically developing infants*. Poster presented at IMFAR, Montreal, Quebec.
- Blakeley-Smith*, A., Hepburn, S., Reaven, J., & Nichols*, S. (2006, January). *Parent component to a cognitive-behavioral treatment of anxiety in children with ASD*. Paper presented at National Association on Dual-Diagnosis, Salt Lake City, Utah.
- Hepburn, S., Fidler, D., & Rogers, S.J. (2005, November). *Autism symptoms in toddlers with Down syndrome: A two-year follow-up study*. Poster presented at the NIH Networks for Autism Research: Annual Meeting of the Collaborative Programs of Excellence in Autism, Bethesda, Maryland.
- Hepburn, S., Philofsky*, A., & Rogers, S.J. (2005, November). *Stability of autism symptoms in fragile X syndrome: A two-year follow-up study*. Poster presented at the NIH Networks for Autism Research: Annual Meeting of the Collaborative Programs of Excellence in Autism, Bethesda, Maryland.
- Hepburn, S.L., & Rogers, S.J. (2005, November). *Longitudinal study of imitation in young children with autism*. Paper presented at the NIH Networks for Autism Research: Annual Meeting of the Collaborative Programs of Excellence in Autism, Bethesda, Maryland.
- Hepburn, S.L., Yerys*, B., Rogers, S.J., & Pennington, B.F. (2005, November). *Executive function in preschoolers with autism: More evidence for a secondary deficit*. Poster presented at the NIH Networks for Autism Research: Annual Meeting of the Collaborative Programs of Excellence in Autism, Bethesda, Maryland.
- Scambler, D., Hepburn, S.L., & Rogers, S.J. (2005, November). *Reactions to expressions of emotion by children with autism or fragile X syndrome*. Poster presented at the NIH Networks for Autism Research: Annual Meeting of the Collaborative Programs of Excellence in Autism, Bethesda, Maryland.
- Nichols*, S., Blakeley-Smith*, A., Reaven, J., & Hepburn, S. (2005, July). *Social skills, sexuality and growing up: Addressing the needs of youth and adolescents with Autism Spectrum Disorders*. Paper presented at the 36th National Conference of the Autism Society of America, Nashville, TN.
- Reaven, J., Hepburn, S., Nichols*, S., Dasari, M., & Blakeley-Smith*, A. (2005, July). *Cognitive-behavioral group therapy for anxiety symptoms in children with high-functioning autism disorders*. Paper presented at the 36th National Conference of the Autism Society of America, Nashville, TN.
- Beall*, P., Reed, C., Kopelioff*, L., Pulham*, D., & Hepburn, S. (2005, May). *Body posture: What individuals with autism spectrum disorder might be missing*. Poster presented at the International Meeting for Autism Research, Boston, MA.
- Kopelioff*, L., Winterrowd*, E., Pennington, B.F., Hepburn, S., Schmidt*, G.L., and Rojas, D. (2005, May). *Neuropsychological profiles of parents of children with autism spectrum disorders*. Poster presented at IMFAR, Boston, MA.
- Mandler, T.N., Herndon*, A.C., Hepburn, S.L., & Reynolds, A. (2005, May). *Evaluation of*

- differences in sleep between children with autism and children with typical development using the Child's Sleep Habits Questionnaire.* Poster presented at IMFAR, Boston, MA. Reynolds, A.M., Herndon*, A.C., Mandler, T.N., & Hepburn, S.L. (2005, May).
- Description of gastro-intestinal symptoms in children with autism spectrum disorders compared to controls.* Poster presented at IMFAR, Boston, MA. Winterrowd*, E., Hepburn, S.L., Kopelioff*, L., & Rojas, D.C. (2005, May). *DSM-IV Axis I disorders in parents of children with autism spectrum disorders.* Poster presented at IMFAR, Boston, MA.
- Nichols*, S., Hepburn, S., Smith, I., & Rogers, S. (2005, May). *Temperament matters: Imitative abilities of young children with autism, fragile X syndrome, and developmental delay.* Poster presented at IMFAR, Boston, MA.
- Rogers, S.J., Rutherford, M., Hepburn, S., & Young, G. (2005, April). *A longitudinal study of pretend play in autism.* Paper presented at the Society for Research on Child Development, Atlanta, GA.
- Scambler, D.J., Rogers, S.J., Hepburn, S.L., Hayes*, A., & Hagerman, R. (2005, March). *Emotional responsivity in young children with fragile X syndrome with and without autism.* Paper presented at the Gatlinburg Conference, Annapolis, MD.
- Reaven, J., & Hepburn, S.L. (2005, March). *The co-occurrence of mental health conditions in ASD.* Paper presented at the Annual Meeting of the Centers for Autism and Developmental Disabilities Research in Epidemiology, Atlanta, Georgia.
- Hepburn, S. (2005, March). Symposium: *Examining emotion in children with various developmental disorders.* Presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Annapolis, MD.
- Fidler, D.J., & Hepburn, S. L. (2005, March). *Emotional responsivity in children with Williams syndrome.* Paper presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Annapolis, MD.
- Hepburn, S.L., Philofsky*, A., & Rogers, S.J. (2005, March). *Emotion regulation in young children with autism relative to children with other developmental disabilities.* Paper presented at the Gatlinburg Conference, Annapolis, MD.
- Reaven, J., Hepburn, S., Nichols*, S., & Dasari, M. (2004, October). *Cognitive-behavioral group therapy for anxiety symptoms in children with high-functioning autism spectrum disorders.* Paper presented at the 21st Annual Conference of the National Association for Dually Diagnosed, Vancouver, British Columbia, Canada.
- Reaven, J., & Hepburn, S. (2004, July). *The parent's role in the treatment of anxiety symptoms in children with autism spectrum disorders.* Paper presented at the 20th Annual Conference of the Autism Society of America, Washington, DC.
- Hepburn, S., Rogers, S.J., & Pennington. (2004, May). *Intersubjectivity in children with autism and other developmental disorders.* Paper presented at the Annual Meeting of the Collaborative Programs of Excellence in Autism Network Projects, Bethesda, MD.
- Rogers, S.J., & Hepburn, S. (2004, May). *Teaching nonverbal children to speak.* Paper presented at the Annual Meeting of the Collaborative Programs of Excellence in Autism Network Projects, Bethesda, MD.
- Rutherford, M., Rogers, S.J., & Hepburn, S.L. (2004, May). *A longitudinal analysis of pretend play in autism.* Paper presented at the Annual meeting of the Collaborative Programs of Excellence in Autism Network Projects, Bethesda, MD.
- Scambler, D. Rogers, S.J., Hepburn, S., Rutherford, M., Wehner, E., Hayes*, A., & John*, A. (2004, May). *Emotional responsivity in children with autism and other developmental disorders.* Poster presented at the Annual Meeting of the Collaborative Programs of Excellence in Autism Network Projects, Bethesda, MD.

- Rogers, S.J., Hepburn, S., & Young, G. (2004, May). *Regressive subgroups in autism*. Paper presented IMFAR, Sacramento, CA.
- Rogers, S. & Hepburn, S. (2004, March). *Parental report of sensory symptoms in young children with autism and other developmental disabilities*. Paper presented at the Gatlinburg Conference, San Diego, CA.
- Hayden, D.A., Rogers, S.J., Hepburn, S.L., Hall, T., Charlifue-Smith, R., & Hayes*, A. (2004, March). *Teaching young nonverbal children with autism useful speech: A comparison of two models*. Paper presented at the Conference on Motor Speech Disorders, Austin, TX.
- Hepburn, S. (2004, March). *Symposium: Refining the behavioral phenotype of autism in 2-year olds: Issues of specificity*. Paper presented at the Gatlinburg Conference, San Diego, CA.
- Philofsky*, A., Fidler, D.J., Hepburn, S.L., & Rogers, S.J. (2004, March). *Nonverbal requesting and problem-solving in toddlers with Down syndrome*. Paper presented at the Gatlinburg Conference, Annapolis, MD.
- Fidler, D., Hepburn, S., & Rogers, S. (2004, March). *Autism symptoms in toddlers with Down syndrome*. Poster presented at the Gatlinburg Conference, San Diego, CA.
- Hepburn, S., Pennington, B., & Rogers, S. (2004, March). *Early intersubjectivity in young children with autism and other developmental disabilities*. Paper presented at the Gatlinburg Conference, San Diego, CA.
- Hepburn, S.L., Stone, W.L., Rogers, S.J. (2004, March). *Exploratory cluster analysis of temperament in children with autism spectrum disorder*. Paper presented at the Annual Meeting of the Collaborative Programs of Excellence in Autism, Bethesda, MD.
- Reaven, J. & Hepburn, S. (2003, October). *The parent's role in the treatment of anxiety symptoms in children with autism spectrum disorders*. Paper presented at the National Association for the Dually Diagnosed, Chicago, IL.
- Rogers, S.J., & Hepburn, S.L. (2003, May). *Individual variability and predictors of preschool language outcomes in autism*. Paper presented at the Annual Meeting of the Collaborative Programs of Excellence in Autism Network Projects, Marina Del Ray, CA.
- Hepburn, S.L. (2003, April). *Temperament as a predictor of anxiety symptoms in children with autism*. Paper presented at the M.I.N.D. Institute Autism Conference, Davis, CA.
- Rogers, S.J., & Hepburn, S.L. (2003, April). *Cognitive and social development of young children with autism: Results of a 2-year follow-up study*. Paper presented at the Society for Research on Child Development, Tampa, FL.
- Scambler, D., Hepburn, S.L., & Rogers, S.J. (2003, April). *Emotional responsivity in toddlers with autism and other developmental disabilities*. Poster presented at the Society for Research on Child Development, Tampa, FL.
- Fidler, D., & Hepburn, S.L. (2003, March). *Motor planning in young children with Down syndrome*. Paper presented at the Gatlinburg Conference, Annapolis, MD.
- Hepburn, S.L., John*, A., & Rogers, S.J. (2002, October). *Diagnostic validity of the ADOS in 2-3 year old children*. Paper presented at IMFAR, Orlando, FL.
- Hepburn, S.L., & Reaven, J.L. (2002, October). *Anxiety in children with ASD*. Paper presented at the National Association of Dual Diagnoses, Denver, CO.
- Scambler, D., Hepburn, S.L., & Rogers, S.J. (2002, October). *Emotional responsivity in young children with fragile X syndrome*. Poster presented at IMFAR, Orlando, FL.
- Scambler, D., Hepburn, S.L., & Rogers, S.J. (2002, October). *Screening for autism in toddlers*. Poster presented at IMFAR, Orlando, FL.
- Hepburn, S.L., & Hayes*, A. (2002, July). *Problem behaviors and biological markers in young children with fragile X syndrome*. Paper presented at the National Fragile x Conference, Chicago, IL.
- Philofsky*, A., & Hepburn, S.L. (2002, July). *Language profiles in young children with fragile X*

- syndrome*. Paper presented at the National Fragile X Conference, Chicago, IL.
- Rogers, S.J., & Hepburn, S.L. (2002, July). *Imitation in toddlers with autism and other developmental disorders*. Paper presented at the International Conference on Imitation, Paris, France.
- Hepburn, S.L. (2002, March). *Cognition, intervention, and outcome in autism*. Paper presented at 54th Annual Meeting of the American Academy of Neurology, Denver, CO.
- Scambler, D.J., Rogers, S.J., Rutherford, M., Stella*, J., Hepburn, S., & Wehner, E. (2001, November). *Emotional responsivity in children with autism*. Paper presented at IMFAR, San Diego, CA.
- Hepburn, S.L., Rogers, S.J., Stone, W.L., & Shub, G. (2001, November). *Adaptability in children with autism spectrum disorders*. Paper presented at IMFAR, San Diego, CA.
- Rogers, S.J., Stackhouse*, T., & Hepburn, S. (2001, May). *Imitation and motor skills in young children with fragile X syndrome*. Paper presented at the Annual Meeting of the American Association on Mental Retardation, Denver, CO.
- Hepburn, S.L. (2001, May). *Temperament in children with autism: Relations to parenting stress*. Paper presented at the Annual Meeting of the American Association on Mental Retardation, Denver, CO.
- Hepburn, S. & Rogers, S.J. (2001, March). *Temperament in children with Fragile x syndrome*. Paper presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Charleston, SC.