

EDUCATION

2017 – Present	Post-Doctoral Fellowship, Developmental Cognitive Neuroscience Boston Children's Hospital/Harvard Medical School Advisor: Nadine Gaab, Ph.D.
2012 – 2017	Ph.D., Interdisciplinary Program in Neuroscience (IPN) Georgetown University, Washington, DC Advisor: Guinevere Eden, D.Phil.
2004 – 2008	B.A., Physics Colorado College, Colorado Springs, CO
2007	Biology in Taiwan Program Tzu Chi University, Hualien, Taiwan

HONORS AND FELLOWSHIPS

2019	Harvard Brain Initiative Travel Award Harvard University
2017	Karen Gale Exceptional Ph.D. Student Award in Science Georgetown University Graduate School of Arts and Sciences
2017	Medical Center Graduate Student Organization Travel Grant Georgetown University Medical Center
2015 – 2017	Neural Injury and Plasticity Pre-Doctoral Training Fellowship National Institute of Neurological Disorders and Stroke, NIH, thesis stipend, tuition, and research funds (T32, PI: Kathleen Maguire-Zeiss)
2012 – 2013	Interdisciplinary Program in Neuroscience Pre-Doc Training Fellowship National Institute of Neurological Disorders and Stroke, NIH, pre-thesis stipend, and tuition (T32, PI: Karen Gale)
2008	Transitions Fellowship for Study of Healthcare in Rural Malawi Colorado College
2007 , 2008	Dean's List Colorado College

RESEARCH EXPERIENCE

2017 – Present	Post-Doctoral Fellow, Neuroscience Laboratories of Cognitive Neuroscience, Boston Children's Hospital, Boston, MA Project: How poverty affects brain development using (f)MRI
2012 – 2017	Ph.D. Candidate, Neuroscience Center for the Study of Learning, Georgetown University, Washington, DC Dissertation: Functional neuroimaging studies of simple finger movements in healthy aging and development and in children with dyslexia
2010 – 2012	Research Assistant, Neuroscience Laboratory of Integrative Neuroscience and Cognition, Georgetown University, Washington, DC Project: Functional connectivity in patients with tinnitus

2008	Research Assistant, Solid State Physics Laboratory of Kristine Lang, Colorado College, Colorado Springs, CO Project: Using Auger Electron Spectroscopy to assess metal purity
2006	Research Assistant, Biochemistry ImmuCell Corporation, Portland, ME Project: USDA requalification of ImmuCell First Defense® Antibody Preparation

LEADERSHIP AND TECHNICAL EXPERIENCE

2015 – Present	Member, Board of Directors American Tinnitus Association, Washington, DC
2018 – 2019	Vice-Chair, Board of Directors American Tinnitus Association, Washington, DC
2017 – 2019	Chair of Conference Outreach Committee, Board of Directors American Tinnitus Association, Washington, DC
2015 – 2016	Chair of Support Groups Committee, Board of Directors American Tinnitus Association, Washington, DC
2014 – 2017	Interim System Administrator and Webmaster Center for the Study of Learning, Georgetown University, Washington, DC
2010 – 2017	Tinnitus Support Group Founder and Facilitator Washington, DC
2014 – 2016	Student President IPN, Georgetown University, Washington, DC
2013 – 2014	Student Advisory Committee Representative IPN, Georgetown University, Washington, DC
2013 – 2014	Student Senator IPN, Georgetown University, Washington, DC
2012 – 2014	Student Secretary IPN, Georgetown University, Washington, DC

LABORATORY SKILLS

Languages:	Matlab, Bash shell, HTML
Tools:	AFQ, ANTS, Art, BrainVoyager, CONN, FreeSurfer, FSL, GingerALE, Jupyter Notebook, Marsbar, REX, SPM, scikit-learn, VBM

WORKSHOPS ATTENDED

2019	FIT'NG In: Establishing Best Practices for Infant Neuroimaging FLUX Meeting, New York, NY
2019	NeuroHackademy for Machine-Learning, Software Engineering, and Open Science University of Washington eScience Institute, Seattle, WA
2018	Infant Image Processing University of North Carolina, Chapel Hill, NC
2016	Introduction to FreeSurfer Georgetown University, Washington, DC
2015	Brain Connectivity (CONN toolkit) Methods Neurometrika, Philadelphia, PA

PEER-REVIEWED PUBLICATIONS

- 2019 **Turesky TK**, Jensen S, Kumar S, Yu X, Wang Y, Zollei L, Boyd E, Sanfilippo J, Sliva D, Haque R, Kakon SH, Islam N, Petri WA, Gagoski B, Nelson CA, Gaab N, The relationship between poverty and resting-state functional connectivity in 2-month old Bangladeshi infants: a feasibility and pilot study, *Developmental Science* e12841.
- 2019 Gaab N, **Turesky TK**, Sanfilippino J, Early identification of children at-risk for developmental dyslexia and reading impairments: neurobiology, screening, evidence-based response to screening, and the use of educational technology (chapter in book). McCardle P (Ed.). *Dyslexia*. (in press).
- 2017 **Turesky TK**, Olulade OA, Luetje MM, Eden GF, An fMRI study of the motor system in children and young adults. *Human Brain Mapping* 39(8), 3203-15.
- 2016 **Turesky TK**, Turkeltaub PE, and Eden GF, An activation likelihood estimation meta-analysis study of simple motor movements in older and young adults, *Frontiers in Aging Neuroscience* 8, 238.
- 2016 Leaver AM*, **Turesky TK***, Seydell-Greenwald A, Morgan S, Kim HJ, and Rauschecker JP, Intrinsic network activity in tinnitus investigated using functional MRI, *Human Brain Mapping* 37(8), 2717-35. *equal contributions.
- 2014 Seydell-Greenwald A, Raven E, Leaver AM, **Turesky TK**, and Rauschecker JP, Diffusion imaging of auditory and auditory-limbic connectivity in tinnitus - preliminary evidence and methodological challenges, *Neural Plasticity* 2014, 1-16.
- 2012 Seydell-Greenwald A, Leaver AM, **Turesky TK**, Morgan S, Kim HJ and Rauschecker JP, Functional MRI evidence for a role of ventral prefrontal cortex in tinnitus, *Brain Research* 1485, 22-39.
- 2012 Leaver AM, Seydell-Greenwald A, **Turesky TK**, Morgan S, Kim HJ and Rauschecker JP, Cortico-limbic morphology separates tinnitus from tinnitus distress, *Frontiers in Systems Neuroscience* 6, 21.

MANUSCRIPTS UNDER REVIEW / IN PREPARATION

- 2019 **Turesky TK**, Xie W, Kumar S, Sliva DD, Gagoski B, Vaughn J, Zöllei L, Haque R, Kakon SH, Islam N, Petri WA, Nelson CA, Gaab N, Relating anthropometric indicators and brain structure in 2-month-old Bangladeshi infants growing up in poverty: a pilot study, *NeuroImage* (invited; under review).
- 2019 Smith C, **Turesky TK**, Turesky, EF, Virtual team leadership: trust building and conflict management. (in submission).
- 2019 **Turesky TK**, Eden GF, Motor function in dyslexia: an fMRI study. (submission-ready).
- 2019 **Turesky TK**, Alkire DR, Andriola DL, and Eden GF, A comparison of resting-state and task-state functional connectivity in children.

CONFERENCE POSTERS AND PRESENTATIONS

- 2019 Sanfilippo J, **Turesky TK**, Zuk J, Yu X, Dunstan J, Carruthers C, Gaab N, Toddler language ability is associated with white matter structure and predicted by home environment in infancy, *Queen's University School of Medicine Research Showcase* (Kingston, ON, CAN).
- 2019 **Turesky TK**, Xie W, Kumar S, Sliva DD, Gagoski B, Vaughn J, Zöllei L, Haque R, Kakon SH, Islam N, Petri WA, Nelson CA, Gaab N, Relating stunting, underweight, and wasting to brain structure in 2-month-old Bangladeshi infants growing up in poverty: a pilot study, *FLUX Conference* (New York, NY).

- 2019 **Turesky TK**, Figuccio M, Yu X, Gonzalez M, Wang Y, Gaab N, Investigating the relationship between brain substrates of phonological processing and white matter properties in preschoolers, *New England Research on Dyslexia Society Conference* (Cambridge, MA).
- 2019 Sury D, **Turesky TK**, Yu X, Gaab N Longitudinal changes in neural activation underlying reading fluency during elementary school, *New England Research on Dyslexia Society Conference* (Cambridge, MA).
- 2018 Koenig E, **Turesky TK**, Gaab N, Neural correlates of spelling and reading impairments in children: a structural MRI study, *Scripps Undergraduate Research Symposium* (Claremont, CA).
- 2018 **Turesky TK**, Jensen S, Kumar S, Yu X, Wang Y, Zollei L, Boyd E, Sanfilippo J, Sliva D, Gagoski B, Haque R, Kakon SH, Islam N, Petri WA, Nelson CA, Gaab N, The relationship between poverty and resting-state functional connectivity in 2-month old Bangladeshi infants, *FLUX Conference* (Berlin, Germany).
- 2017 **Turesky TK**, Alkire DR, Andriola DL, Luetje M, Eden GF, A comparison of true and pseudo resting-state functional connectivity data in children, *Organization for Human Brain Mapping Conference* (Vancouver, British Columbia).
- 2016 **Turesky TK**, Olulade OA, Eden GF, An fMRI and fcMRI study of the motor system in children with and without dyslexia, *Society for Neuroscience Meeting* (San Diego, CA).
- 2016 **Turesky TK**, The role of the tinnitus support group, *Maryland Academy of Audiology Conference* (Annapolis, MD).
- 2015 **Turesky, TK**, Turkeltaub PE, and Eden GF, An ALE meta-analysis of simple motor movements in young and old adults, *Organization for Human Brain Mapping Conference* (Honolulu, HI).
- 2014 **Turesky TK**, Olulade OA, Luetje MM, Eden GF, An fMRI study on motor control in the developing brain, *Society for Neuroscience Meeting* (Washington, DC).
- 2014 **Turesky TK**, Leaver AM, Seydell-Greenwald A, Rauschecker JP, Auditory-limbic network in tinnitus revealed by resting-state functional connectivity MRI, *Tinnitus Research Initiative Conference* (Auckland, New Zealand).
- 2012 **Turesky TK**, Leaver AM, Seydell-Greenwald A, Rauschecker JP, Resting-state functional connectivity reveals auditory-limbic network in tinnitus, *Advances and Perspectives in Auditory Neurophysiology Meeting* (New Orleans, LA).

NON-PEER-REVIEWED PUBLICATIONS

- 2016 **Turesky TK**, It's all about support, *Tinnitus Today Magazine*, American Tinnitus Association, Portland, OR.
- 2016 Fuller K, Sherlock L, Dillard J, **Turesky TK**, "ATA Support Group Leader Guide," American Tinnitus Association. <https://www.ata.org>.
- 2016 **Turesky TK**, "Sound and pain related to tinnitus and hyperacusis may have separate pathways from ear to the brain," American Tinnitus Association. <https://www.ata.org>.
- 2016 **Turesky TK**, "Two types of tinnitus in the brain," American Tinnitus Association. <https://www.ata.org>.
- 2015 **Turesky TK**, "Hyperacusis is related to damage to nerve cells in the inner ear," American Tinnitus Association. <https://www.ata.org>.
- 2015 **Turesky TK**, Zhang J, "New objective assessment tool to measure tinnitus," American Tinnitus Association. <https://www.ata.org>.
- 2015 **Turesky TK**, Presidential Address, *IPN Newsletter*, Georgetown University, Washington, DC.

TEACHING EXPERIENCE

Full Courses

2009 – 2010 Algebra I, Algebra II, and General Chemistry
Hebron Academy, Hebron, ME

Lectures

2018 – Present Introduction to fMRI Experimentation
Boston Children's Hospital, Boston, MA

2017 Introduction to the Motor System
Introduction to Neurophysiology Course, Georgetown University, Washington, DC

2016 Introduction to fMRI Experimentation
Oakwood School, Annandale, VA

2016 Introduction to the Motor System
IPN Drugs, Brain, and Behavior Course, Georgetown University, Washington, DC

2016 Introduction to fMRI Experimentation
Siena School, Silver Spring, MD

2014 – 2015 Introduction to the Motor System
IPN Summer Course, Georgetown University, Washington, DC

2014 Personality Disorders
Drugs, Brain, and Behavior Course, Georgetown University, Washington, DC

2009 Scientific Basis of Emotions: Emotional Intelligence by Dan Goleman
University of Southern Maine, Lewiston-Auburn, ME

Tutoring

2014 – Present Neuroimaging Methods for Students and Research Assistants
Center for the Study of Learning, Georgetown University, Washington, DC
GaabLab, Boston Children's Hospital, Boston, MA

2013 – 2017 Neuroanatomy Lab | annual
IPN, Georgetown University, Washington, DC

2008 English
LittleField Home Orphanage, Malawi

Medical School Student Research Supervised

2019 Toddler language ability is associated with white matter structure
and predicted by home environment in infancy
Student: Joseph Sanfilippino
Queens University, Kingston, ON, CAN

Undergraduate Theses Supervised

2018 Investigating the Impact of Socioeconomic Status on the Relationship Between
White Matter Pathways and Reading Outcomes
Student: Chandler Torres Pagan
Harvard University, Cambridge, MA

2018 Brain Correlates of Spelling & Reading Impairments in Children: An sMRI Study
Student: Emily Koenig
Scripps College, Claremont, CA

Other Teaching

2014, 2016 – 2017	Grant Reviewer Survivor Skills and Ethics Course, IPN, Georgetown University, Washington, DC
2013 – 2016	Brain Awareness Week Group Guide Georgetown University, Washington, DC

AD HOC REVIEWER

Human Brain Mapping Journal
Neural Plasticity
Scientific Studies of Reading Journal

PROFESSIONAL SOCIETIES

Flux: The Society for Developmental Cognitive Neuroscience
Cognitive Neuroscience Society
Society for Neuroscience
Organization for Human Brain Mapping
American Tinnitus Association

REFERENCES

Nadine Gaab, Ph.D. Post-Doctoral Advisor Associate Professor Boston Children's Hospital/Harvard Medical School	nadine.gaab@childrens.harvard.edu (857) 218-3021
Charles Nelson, Ph.D. P.I. on Post-Doctoral Grant Professor Harvard University	charles.nelson@childrens.harvard.edu (617) 355-0401
Guinevere Eden, D.Phil. Graduate School Advisor Professor Georgetown University Medical Center	edeng@georgetown.edu (202) 687-6893
Peter Turkeltaub, M.D., Ph.D. Thesis Committee Member Associate Professor Georgetown University Medical Center	turkeltp@georgetown.edu (202) 784-1764
Josef Rauschecker, Ph.D. Supervisor Professor Georgetown University Medical Center	rauschej@georgetown.edu (202) 687-8842