**Curriculum Vitae**

**Melissa Adrianne Wright, MD/PhD**

**1. Personal history**

Current Position: Assistant Professor of Pediatrics, Section of Child Neurology

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Melissa.wright@ucdenver.edu

**2. Education**

1999-2003 College of William and Mary

**B.S. in Biology**, *magna cum laude*

*Honors Thesis: Anterior-posterior patterning and plasticity in the vertebrate CNS*

*Thesis Advisor: Dr. Margaret Saha*

2003-2012 University of Colorado School of Medicine

Medical Scientist Training Program

**PhD in Neuroscience**—August 2010

*Thesis: Non cell autonomous roles of voltage-gated sodium channels in neural development*

*Thesis Advisor: Dr. Angeles Ribera*

**MD**—May, 2012

2012-2017 University of Colorado Denver

**Combined Residency in Child Neurology**

07/2017-06/2018 Washington University St Louis, Department of Neurology

**Neuromuscular Medicine Fellowship Program**

**3. Academic appointments**

08/2018-Present Assistant Professor of Pediatrics, Section of Child Neurology

University of Colorado Denver

**4. Honors, special recognition and awards**

2002-2003 Mortar Board Senior Honor Society

05/2003 Biology Research Award, College of William and Mary

06/2006 Caswell Grave Scholarship for the Marine Biological Laboratory Embryology Course

06/2006 Florence C. Rose and S. Meryl Rose Endowed Scholarship for the Marine Biological Laboratory Embryology Course

10/2011 Joseph St Geme, Jr Medical Student Award

**5. Membership in professional organizations**

2006-Present Society for Neuroscience

2012-Present Child Neurology Society

2014-Present American Academy of Neurology

**6. Major committee and service responsibilities**

2006 Organizing Committee for the 21st Annual National MD/PhD Student Conference

2015-2017 Children’s Hospital Colorado Child Neurology Inpatient Work Group

2015-2017 Guatemala Neurosciences Collaboration

2016-2017 Children’s Hospital Colorado Child Neurology Efficiency Task Force

2016-2017 Chief Resident of Inpatient Child Neurology

**7. Licensure and board certification**

9/11/2017 American Board of Psychiatry and Neurology

Board certification

Neurology with Special Qualification in Child Neurology

5/14/18 State of Colorado Physician License

**18. Invited extramural lectures, presentations, and visiting professorships**

Sept 2015 Invited Presenter at the Department of Neurology Abby Stoddard Lectureship – “Presumed Perinatal Periventricular Venous Infarct”

April 2016 Invited Lecturer for Pediatrics Residents in Coatepeque, Guatemala (presented in Spanish)—“Febrile Seizures”

April 2016 Invited Presenter for Neurologic Sciences Residents and Physicians in Guatemala City, Guatemala (presented in Spanish)—“Use of Marijuana in Childhood Epilepsy”

Sept 2016 Invited Presenter at the Department of Neurology Abby Stoddard Lectureship – “Idiopathic Spinal Cord Infarct

Jan 2017 Invited Lecturer for Neurologic Sciences Residents and Physicians in Guatemala City, Guatemala and in Queztzaltenango, Guatemala (presented in Spanish)—“Acute Flaccid Myelitis and Enterovirus D68”

**9. Teaching record**

July 2012 Pediatrics Residency Journal Club—“Radiation Exposure from CT Scans in Childhood and Subsequent Risk of Leukemia and Brain Tumors”

May 2013 Pediatric Residency Noon Conference—“Spontaneous Idiopathic Pneumatosis Intestinalis”

Sept 2015 Pediatrics Child Neurology Lecture-- “History and Physical in Developmental Delay”

Sept 2015 Child Neurology Case Conference-- “Infantile Spams in Menkes Disease”

July 2016 Child Neurology Resident Lecture Series—“The Prognosis Talk”

Jan 2017 Basic Child Neurology Lecture Series for pediatric residents at Coatepeque Regional Hospital, Coatepeque, Guatemala (presented in Spanish): “Febrile Seizures,” “Childhood Epilepsy Syndromes,” “Status Epilepticus,” “Neonatal HIE”

June 2016 Pediatric Residency Noon Conference—“Experiences with Neurology in Guatemala”

June 2017 Neurology Grand Rounds (University of Colorado School of Medicine)—“Neurologists Without Borders- Barriers to Neurologic Care in Guatemala”

Aug 2018-Present Supervision and bedside teaching of residents and fellows, Muscle Clinic, 8 hours/week

Aug 2018-Present Supervision and bedside teaching of residents and fellows, Inpatient Child Neurology Service, 4 weeks/yr

Nov 2018 Neurology Resident Lecture Series (University of Colorado School of Medicine)—“Pediatric Neuromuscular Medicine”

**10. Grant support**

2000 and 2002 Howard Hughes Medical Institute Summer Research Grant

2001 and 2002 Howard Hughes Medical Institute Student Research

2003-2012 NIH Institutional Predoctoral Training Grant (MSTP)

02/2008-02/2011 Ruth Kirschtein NRSA F30 Grant (F30-NS061409-01)

**11. Bibliography**

1. **Peer-reviewed journal articles**
   1. Li, Sipe, Hoke, August, **Wright**, Saha (2006). The role of early lineage in GABAergic and glutamatergic cell fate determination in Xenopus laevis. *Journal of Comparative Neurology* 495 (6), 645-657.
   2. Novak, Alicia; Taylor, Alison; Pineda, Ricardo; Lasada, Erica; **Wright**, Melissa; Ribera, Angeles (2006). Embryonic and larval expression of zebrafish voltage-gated sodium channel alpha-subunit genes. *Developmental Dynamics* 235 (7), 1962-73.
   3. **Wright** and Ribera (2006). Studying electrical activity in development: Challenges and solutions using the zebrafish model. *Functional Development and Embryology*. 1 (2), 147-157.
   4. Pineda, Svoboda, **Wright**, Taylor, Novak, Gamse, Eisen, Ribera (2006). Knockdown of Nav1.6a Na+ channels affects zebrafish motoneuron development. *Development* 133 (19), 3827-36.
   5. Fein, **Wright**, Slat, Ribera, and Isom (2008). *Scn1bb*, a zebrafish ortholog of SCN1B expressed in excitable and nonexcitable cells, affects motor neuron axon morphology and touch sensitivity. *Journal of Neuroscience* 28 (47), 12510-12522.
   6. **Wright**, Mo, Nicolson, Ribera (2010). In vivo evidence for transdifferentiation of peripheral neurons. *Development* 137 (18), 3047-3057.
   7. **Wright** and Ribera (2010). Brain-derived neurotrophic factor mediates non-cell-autonomous regulation of sensory neuron position and identity. *Journal of Neuroscience* 3043, 14513-14521.
   8. **Wright**, Parsons, Yang, Westfall, Yee (2012). Consider muscle disease in children with elevated transaminase. *Journal of American Board of Family Physicians*. 25(4), 536-540.
   9. Yee, **Wright**, Yang, Parsons, and Westfall (2012). Response: Re: Consider muscle disease in children with elevated transaminase. *Journal of American Board of Family Physicians* (25), 938.
2. **Scientific abstracts published or presented at scientific meetings**
   1. **Wright** and Ribera. Expression of NaV1.4b in Zebrafish Development: Poster presented at the Gordon Conference for Bioelectrochemistry (2004; New London, Connecticut).
   2. **Wright**, Isom, and Ribera. The Voltage-Gated Sodium Channel nav1.6a is Required for Dorsal Root Ganglion Formation. Poster presented at Rocky Mountain Regional Neuroscience Group (2008, Denver, Colorado).
   3. **Wright**, Isom, and Ribera. Sodium Channel Activity Regulates Sensory Neuron Ganglia Formation. Poster presented at National MD/PhD Student Conference (2008; Keystone, Colorado).
   4. **Wright**, Fein, Slat, Ribera, and Isom. Scn1bb, a Zebrafish Ortholog of SCN1B Expressed in Excitable and Nonexcitable Cells, Affects Motor Neuron Axon Morphology. Poster Presented at Society for Neuroscience Annual Meeting (2008; Washington, DC).
   5. **Wright** and Ribera. Dorsal Root Ganglion Formation Requires the Voltage-Gated Sodium Channel Nav1.6. Poster Presented at Society for Neuroscience Annual Meeting (2008; Washington, DC).
   6. **Wright** and Ribera. Sodium Channels and Maintentance of the Dorsal Root Ganglia. Poster presented at National MD/PhD Student Conference (2009; Keystone, Colorado).
   7. **Wright**, Henriquez, and Walleigh. Child Neurology Practices in Guatemala. Poster presented at 2017 Annual University of Colorado Neurology Research Retreat (Aurora, Colorado).
3. **Letters to the Editor**
   1. Obaro, Niemynski, and **Wright**. The Truth About America’s Obesity Problem. *The Denver Post*, January 10, 2013 edition.
4. **Other publications**
   1. **Wright** (2008). Strong. *The Human Touch Journal* (1), 183.
   2. **Wright** (2013). Everyone Waits. *Colorado American Academy of Pediatrics Newsletter*, Spring 2013 Edition.