

## **Curriculum Vitae**

Johana Diaz M.D.

Assistant Professor, Department of Pediatrics  
University of Maryland School of Medicine

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### **Contact Information**

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Foreign Languages:	Spanish (fluent), Portuguese (basic conversation)

### **Education**

1998-2004 M.D., Universidad Del Norte, Barranquilla, Colombia

### **Post Graduate Education and Training**

2003-2004	Internship Universidad Javeriana/Hospital Occidente de Kennedy, Bogota
2010-2013	Internship and Residency, Pediatrics, Sinai Hospital of Baltimore
2013-2016	Fellowship, Neonatal-Perinatal Medicine, Johns Hopkins Hospital
2016-2017	T32 Awardee Johns Hopkins university Hospital, Baltimore, Maryland.

### **Certifications**

2007-2008	USMLE Steps 1-3 Passed
2008	ECFMG certificate
2013	American Board of Pediatrics, General Pediatrics
2010-Present	Neonatal Resuscitation Program (NRP) Provider

### **Medical Licensures**

2013-2015	Pennsylvania
2016	Active, Maryland

### **Employment History**

2003 – 2004    Anatomy Instructor, Instituto Centro de Sistemas, Barranquilla, Colombia  
2004 – 2005    General Practitioner, Assalud Health Center EPS, Arauca, Colombia  
2005 – 2006    General Practitioner/Clinic Supervisor, Jaime Alvarado y Castilla Hospital, Arauca  
2008 – 2009    Internal Medicine Medical Assistant, Good Samaritan Hospital, Cincinnati, Ohio  
2017-Present   Attending, Neonatology, University of Maryland Children's Hospital

### **Academic Appointments**

2017-Present   Assistant Professor, Pediatrics, University of Maryland School of Medicine

### **Professional Society Membership**

2010-2013    Candidate Member, American Academy of Pediatrics  
2013-Present   Fellow, American Academy of Pediatrics  
2010-Present   National Hispanic Medical Association - NHMA

### **Honors and Awards**

2013            Honorable Mention Award for Resident Scholarly Activity, The Herman and  
                    Walter, Samuelson Children's Hospital at Sinai, Baltimore, Maryland  
2016            NIH Young Investigators Award, 10th Annual Hershey Conference on  
                    Developmental Brain Injury, Paris, France  
2016            NIH T32 Awardee

### **Clinical Activities**

#### **Clinical Expertise**

2013-2016    Neonatal Transport: Urgent and emergent transport of neonates from  
                    community affiliates for higher level care  
2013-2016    High Risk Neonatal Follow-up Clinic  
2016-Present   Clinical knowledge and experience in advance mode of ventilation (HFVO, HFJV),  
                    ECMO, brain cooling and use of inhaled nitric oxide

#### **Scope of Clinical Practice**

2016-2017    Level IV NICU, Johns Hopkins university Hospital, Baltimore, Maryland  
                    Clinical/education  
  
2017-Present   Level IV NICU, University of Maryland Children's Hospital, Baltimore, MD  
                    Clinical/education  
  
2017-Present   Level III NICU, UM Prince George's Hospital Center, Cheverly, MD  
                    Clinical

### **International Pediatric Experience**

- September 2015      “Actualizaciones en la Atencion del Parto” (Updates on Delivery), Hospital Gineco/Obstetrico Enrique C. Sotomayor Guayaquil, Ecuador. Participated in this five-day international course on maternal and newborn care. Saw patients in the Neonatal Intensive Care Unit (as a medical advisor) and gave a lecture on “Neonatal Birth Trauma” (in Spanish).
- June 2012              Pediatric outpatient practice, Atima, Honduras. Provided primary care for pediatric patients (including special needs children) for a week in a remote village of Honduras under the auspices of the Organization for Community Health Outreach (OCHO), a faith-based group designed to provide health care for the less fortunate in Central America.

### **Administrative Service**

#### **Institutional Service**

- 2017-Present    Neurosciences Intensive Care Nursery (NICN), Division of Neonatology  
University of Maryland Children’s Hospital

#### **Teaching Service**

#### **Undergraduate Student Teaching and Mentoring**

- 2016 – 2016    Jonathan Blumberg, Undergraduate at Xavier University  
2015 – 2017    Nancy Kim, Undergraduate at Johns Hopkins University  
2015 – 2016    Suleiman Aviola, Undergraduate at Johns Hopkins University  
2016 – 2017    Dafne Sanabria, MD-ECFMG  
2017-present    Mentor for Bioengineering Capstone senior program at UM College park

### **Resident and Fellow Teaching**

- 2016 – 2017    Neonatal rotation – Pediatric residency, Preceptor, NICU, Johns Hopkins Hospital, Baltimore, Maryland  
2014 – 2017    Neonatal care and transfusions in the NICU, lecture to NIH transfusion medicine and blood bank fellows, attending and residents, Johns Hopkins Hospital, Baltimore, Maryland  
2017-Present    Attending Physician In-patient Service, NICU, University of Maryland  
3-4 residents/3 NNPs, 1 fellow, 9 hours/day, 18 weeks/year

## **Publications**

### **Peer-reviewed Journal Articles**

1. **J Diaz**, S Abiola, N Kim, O Avaritt, D Flock, FJ Northington, R Chavez-Valdez. "Therapeutic hypothermia provides variable improvements in behavior after neonatal hypoxia-ischemia: A potential role for BDNF" Dev Neurosci Feb 2017 PMID28196356
2. **J Diaz**, R Chavez-Valdez and F Northington. "Neonatal Encephalopathy." The 5 minute Pediatric Consult. 8th edition. Wolters Kluwer Health. 2017. (Manuscript submitted and awaiting publication).
3. Ramesh, A; **Diaz, J**; Nogee, L; Duis, J; Jang D; Lawson, C; Maegawa, G. "Premature Identical Twin Neonates with Sleep Apnea", case report. Clinical pediatrics, Feb 2017 (In press)
4. Goffigan-Holmes, J., Sanabria, D. **Diaz, J.**, Flock D., Chavez-Valdez, R. Calbindin-1 expression in the hippocampus following Neonatal hypoxia-ischemia and therapeutic hypothermia and deficits in spatial memory. Dev. Neurosci March 2019

### **Abstract / Poster Presentations:**

**Diaz J**, Abiola S, Kim N, Chavez-Valdez R, Northington F. "Therapeutic hypothermia provides variable improvements in behavior after neonatal HI: A potential role for BDNF" Poster presentation. . 10th Annual Hershey Conference on Developmental Brain Injury. Paris, France. June 2016. Eastern society for pediatrics research. Philadelphia, PA. March 2016.

**Diaz J**, Abiola S, Kim N, Chavez-Valdez R, Northington F. "Behavioral outcomes after neonatal hypoxia ischemia and therapeutic hypothermia in mice". Oral presentation. American Academy of Pediatrics Perinatal Symposium Mid-Atlantic Conference on Perinatal Research, Charlottesville, Virginia. September 2015.

**Diaz J**, Abiola S, Kim N, Hossain S, Chavez-Valdez R, Northington F. "IGF system activation after neonatal hypoxia-ischemia and hypothermia treatment in mice and its implication in growth and development". Poster presentation. Pediatric Academic Societies Meeting, San Diego, California. April 2015.

Chavez-Valdez R, **Diaz J**, Burnsed J, Martin L, Northington F. "Hypothermia promotes IGF system activation after neonatal hypoxia-ischemia in mice." Poster presentation. 9th Annual Hershey Conference on Developmental Brain Injury. St. Michaels, Maryland. June 2014. Baltimore Washington Virginia Perinatal Conference. Warrenton, Virginia. April 2014.

**Diaz J**, Barranco S, Alvarado S. "Decade of Bone and Joint: Review". Poster presentation. UniNorte Internal medicine symposium, Barranquilla, Colombia. April 2001.

**Major Invited Speeches**

**Local**

2016      Citywide Conference, Johns Hopkins University, Baltimore, Maryland

**International**

2015      Neonatal-Perinatal support group for Maternidad de Guayaquil and Guayaquil  
Children's Hospital, Guayaquil, Ecuador, Birth Trauma