

# CURRICULUM VITAE

## Danielle Boyce

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### EDUCATION

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In Progress     *Doctor of Public Administration*  
West Chester University  
West Chester, PA

2005             *Master of Public Health, Epidemiology*  
SUNY Albany  
Albany, NY

1996             *Bachelor of Arts, Political Science*  
(*cum laude*) Binghamton  
University Binghamton, NY

### PROFESSIONAL EXPERIENCE

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1996-Present     Independent Consulting (National Institutes of Health, Lundbeck Pharmaceuticals,  
The Cancer Support Community, others)

1998- 1999        Research Assistant, KRA Corporation, Silver Spring, MD

2004- 2006        Research Assistant, New York State Department of Health, Albany, NY

2006- 2007        Program Administrator, American College of Obstetricians and Gynecologists,  
Washington, DC

2012- 2014        Clinical Research Project Manager, The Children's Hospital of Philadelphia,  
Philadelphia, PA

2012- 2017        Patient Representative, United States Food and Drug Administration,  
Silver Spring, MD

2007- Present     Senior Research Data Analyst, Johns Hopkins University, Baltimore, MD

### SPECIAL COMPUTER SKILLS

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SQL, REDCap, R, SAS, SPSS, STATA

## SERVICE AS A REVIEWER

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Grant Reviewer: 2017  
Office of Orphan Products Development  
Office of Special Medical Programs  
U.S. Food and Drug Administration

Committee Member: 2015  
Dermatologic Drugs Advisory Committee  
Center for Drug Evaluation and Research  
U.S. Food and Drug Administration

## INVITED TALKS (SELECTED)

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*"Infantile Spasms: Caregivers Supporting Caregivers"* Epilepsy Project Eerie. Eerie PA September 24, 2016.

*"Lennox-Gastaut Syndrome: Caregiver Concerns"* Lundbeck Pharmaceutical Company, Onfi Speakers Bureau. Denver, CO May 14, 2016.

*"Infantile Spasms: Caregivers Supporting Caregivers"* Lundbeck National Sales Meeting Orlando FL February 11, 2016.

*"What I Wish I Would have Known from My Child Neurologist about IS"* Kennedy Krieger Institute Baltimore, MD. Feb 9, 2016.

*"Child Neurology Community Conversations from the Voices of the Provider, Caregiver, and Advocate: Diagnosing, Treating, and Managing Infantile Spasms Together"* Child Neurology Foundation. Webinar. See: <https://cc.readytalk.com/cc/s/meetingArchive?eventId=dod887tp6rfb> November 2, 2015.

*"What I Wish I Would have Known from My Child Neurologist about IS and TSC"* (now a CME course) Symposium VI: Child Neurology Foundation Symposium: State of Infantile Spasms: From Research to Bedside to the Community Child Neurology Society Meeting National Harbor, MD. October 10, 2015.

*"Infantile Spasms and the FDA REMS Program"* FDA Public Meeting. Silver Spring, MD. October 5-6, 2015.

*"LFSF Strategic Research Plan"* Lennox Gastaut Syndrome Foundation 3rd Conference on LGS Columbus, OH October 25, 2014.

*"Forgotten Siblings & the Impact of Epilepsy on the Family"* Epilepsy Foundation of Eastern PA. Philadelphia PA November 2, 2013.

*"Embracing Access for All: Children With Autism and Museum Experiences."* American Alliance of Museums Annual Meeting and Expo. Baltimore MD May 19, 2013.

## **MEDIA INTERVIEWS**

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Boyce, Danielle. Tuberos Sclerosis Alliance's Hope Award Recipient Satellite Media Tour for Infantile Spasms Awareness Week (partnered with Dr. James Wheless, Le Bonheur Children's Hospital).

- December 1, 2015
  - Statewide | Tennessee Radio Network
  - Seattle, WA | KHTP-FM
  
- December 3, 2015
  - Charlotte, NC | WRHI-AM
  - [Austin, TX](#) | KTBC (FOX)
  - National | Metro Networks
  - [West Palm Beach, FL](#) | WPBF (ABC)
  - Johnstown-Altoona, PA | WTAJ (CBS)
  - Atlanta, GA | WALR-FM
  - Brownsville-McAllen, TX | KFXV (FOX)
  - Raleigh, NC | WNCN (NBC)
  - Boston, MA | WBZ-AM

## **POSTER PRESENTATIONS**

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D. Boyce, J. Piña-Garza, D. Cantu, K. Davis, H. Gatens, G. Lai, P. McGoldrick, B. Frasch, S. Wolf (2016, December). Refractory Epilepsy Screening Tool for Lennox-Gastaut Syndrome (RESTt-LGS): A Tool to Improve the Detection of LGS. Poster Presented at the American Epilepsy Society annual meeting, Houston, TX.

S. Wolf, D. Boyce, J. Piña-Garza, D. Cantu, K. Davis, H. Gatens, G. Lai, P. McGoldrick, B. Frasch (2017, December). Refractory Epilepsy Screening Tool for Lennox-Gastaut Syndrome (REST-LGS): Improving the Detection of LGS in the Clinic. Poster Presented at the American Epilepsy Society annual meeting, Washington, DC.

## **AWARDS and VOLUNTEER WORK**

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1992-1996	Dean's List
1994-1996	Practicum in College Teaching
1995-1996	Political Science Honors Program
1995-1996	Research Practicum
1996	Cingranelli Prize in Political Science
1996	Undergraduate Research Grant
1996	Rehberg Fellowship
1997	SUNY Advocate
2004	New York State Coalition Against Sexual Assault (NYSCASA), Albany, NY

2004-2006	Upper Hudson Planned Parenthood (2006: Volunteer Service Award)
2005-2006	Family Planning Advocates of New York State (FPA)
2006-2009	Women for Women International
2007-2009	Planned Parenthood of Maryland
2011-2012	Ronald McDonald House of Baltimore
2011-2012	Baltimore City Interagency Coordinating Council on Early Intervention
2011-2013	Walters Art Museum, Baltimore, MD
2013-2014	Autism Inclusion Resources, Philadelphia, PA
2014-2016	Lennox-Gastaut Syndrome Foundation, New York, NY
2015-present	Neurology Parent Professionals
2015	Hope Award for Infantile Spasms Advocacy, Tuberous Sclerosis Alliance
2015	Your Partner in Epilepsy Award, Lundbeck Pharmaceuticals
2015-present	Rare Epilepsy Network
2016-present	Epi25 Collaborative ( <a href="http://epi-25.org">http://epi-25.org</a> )
2016-present	CURE's Core for Precision Medicine
2016-present	PCORI Research Interest Group (Zachary Grinspan, MD, PI)
2016-present	Phoenixville Women's Outreach, Phoenixville, PA
2017-present	Ann's Heart, Phoenixville, PA

## SELECT ABSTRACTS and PUBLICATIONS

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1. Blanco, I., Mathai, S., Shafiq, M., **Boyce, D.**, Kolb, T. M., Chami, H., et al. (2014). Severity of systemic sclerosis-associated pulmonary arterial hypertension in African Americans. *Medicine*, 93(5), 177-185.
2. Booker, W. J., & **Boyce, D.** (2013). Dentists and teachers sink teeth into oral health education: evidence-based research supports partners in prevention classroom collaboration. *Dentistry Today*, 32(10), 10, 12-3.
3. **Boyce, D.**, J. Piña-Garza, D. Cantu, K. Davis, H. Gatens, G. Lai, P. McGoldrick, B. Frasch, S. Wolf (2016). Refractory Epilepsy Screening Tool for Lennox-Gastaut Syndrome (RESTt-LGS): A Tool to Improve the Detection of LGS. AES 2016 Annual Meeting Abstract Database. AESnet.org.
4. **Boyce, D.** "Forgotten Siblings? The Impact of Neurologic Disease on Siblings." *Families First - Child Neurology Foundation* (27 Mar. 2015) Retrieved from <http://myemail.constantcontact.com/Families-First--A-Child-Neurology-Foundation-Resource.html?soid=1108193966604&aid=BdmSVSnPEWs>
5. **Boyce, D.** (2012) *Charlie's Teacher*. [E-reader Version]. Retrieved from <https://itunes.apple.com/us/book/charlies-teacher/id842217407?mt=11>

6. **Boyce, D.,** Rafaels, N., Gao, L., Girgis, R., Zaiman, A., Mathai, S., et al. (2012). Macrophage migration inhibitory factor (mif) promoter polymorphisms are associated with favorable hemodynamic indices in pulmonary arterial hypertension. *Am J Respir Crit Care Med*, 185, 2012.
7. Brigham, E. P., **Boyce, D.,** Steffen, L. M., & McCormack, M. C. (2015). Dietary intake and BMI are independently associated with respiratory symptoms in A US cohort study. *d17. diet, obesity, and lung health* (pp. A5403-A5403) American Thoracic Society.
8. Brigham, E., **Boyce, D.,** & McCormack, M. (2013). Variable extrathoracic obstruction correlates with higher body mass index among adults with asthma. *CHEST Journal*, 144(4\_MeetingAbstracts), 837A-837A.
9. Bueso, M., **Boyce, D.,** Lechtzin, N., Girgis, R., Zaiman, A., Hassoun, P., et al. (2011). 304 impact of health-related quality of life on survival in pulmonary arterial hypertension. *The Journal of Heart and Lung Transplantation*, 30(4), S106.
10. Bueso, M. B., Mathai, S. C., **Boyce, D.,** Hassoun, P. M., Vogel-Claussen, J., Skrok, J., et al. (2011). The relationship between NT-ProBNP and right ventricular function in pulmonary arterial hypertension. *c62. right ventricular structure and function* (pp. A5003-A5003) American Thoracic Society.
11. Campo, A., Mathai, S. C., Le Pavec, J., Zaiman, A. L., Hummers, L. K., **Boyce, D.,** et al. (2010). Hemodynamic predictors of survival in scleroderma-related pulmonary arterial hypertension. *American Journal of Respiratory and Critical Care Medicine*, 182(2), 252-260.
12. Campo, A., Mathai, S. C., Le Pavec, J., Zaiman, A. L., Hummers, L. K., **Boyce, D.,** et al. (2011). Outcomes of hospitalisation for right heart failure in pulmonary arterial hypertension. *The European Respiratory Journal*, 38(2), 359-367.
13. Campo, A., Mathai, S., Zaiman, A., Champion, H., Houston, T., **Boyce, D.,** et al. (2009). Survival of pulmonary arterial hypertension related to systemic sclerosis: A single center longitudinal study. *b27. from alpha to omega: Assessment and outcomes in pulmonary hypertension* (pp. A2657) American Thoracic Society.
14. Corona-Villalobos, C. P., Kamel, I. R., Rastegar, N., Damico, R., Kolb, T. M., **Boyce, D. M.,** et al. (2015). Bidimensional measurements of right ventricular function for prediction of survival in patients with pulmonary hypertension: Comparison of reproducibility and time of analysis with volumetric cardiac magnetic resonance imaging analysis. *Pulmonary Circulation*, 5(3), 527-537.
15. El Chami, H., Campo, A., Mathai, S. C., Zaiman, A. L., **Boyce, D.,** Hummers, L. K., et al. (2010). Ethnicity and pulmonary hypertension associated with systemic sclerosis. *CHEST Journal*, 138(4\_MeetingAbstracts), 374A-374A.
16. El Chami, H., Campo, A., Mathai, S., Zaiman, A., **Boyce, D.,** Lechtzin, N., et al. (2011). Systemic sclerosis associated with pulmonary arterial hypertension is most severe in african american patients. *European Respiratory Journal*, 38(Suppl 55), p2336.
17. Khair, R., **Boyce, D.,** Pullins, E., McCormack, M. C., & Mathai, S. C. (2016). Safety of the six minute walk test in chronic lung disease. *c66. 'walk this way'-update on exercise tests and pulmonary rehabilitation* (pp. A5722-A5722) American Thoracic Society.
18. Mathai, S. C., Bueso, M., Hummers, L. K., **Boyce, D.,** Lechtzin, N., Le Pavec, J., et al. (2010). Disproportionate elevation of N-terminal pro-brain natriuretic peptide in scleroderma-related pulmonary hypertension. *The European Respiratory Journal*, 35(1), 95-104.
19. Mathai, S. C., Sibley, C. T., Forfia, P. R., Mudd, J. O., Fisher, M. R., Tedford, R. J., et al. (2011). Tricuspid annular plane systolic excursion is a robust outcome measure in systemic sclerosis-associated pulmonary arterial hypertension. *The Journal of Rheumatology*, 38(11), 2410-2418.
20. Mathai, S., **Boyce, D.,** Lechtzin, N., Girgis, R., Collop, N., & Hassoun, P. (2009). Sleep quality and health related quality of life in pulmonary hypertension. *b27. from alpha to omega: Assessment and outcomes in pulmonary hypertension* (pp. A2664) American Thoracic Society.
21. Mathai, S., **Boyce, D.,** Lechtzin, N., Girgis, R., & Hassoun, P. (2009). Depression and health-related quality of life in pulmonary hypertension. *c63. determinants of pulmonary hypertension outcomes* (pp. A4865) American Thoracic Society.

22. Mathai, S., **Boyce**, D., Lechtzin, N., Girgis, R., & Hassoun, P. (2009). Differences in health-related quality of life in various forms of pulmonary hypertension. *c63. determinants of pulmonary hypertension outcomes* (pp. A4871) American Thoracic Society.
23. Mathai, S., Bueso, M., Hummers, L., **Boyce**, D., Lechtzin, N., Le Pavec, J., et al. (2010). Pulmonary vascular disease-disproportionate elevation of N-terminal pro-brain natriuretic peptide in scleroderma-related pulmonary hypertension. *European Respiratory Journal*, *35*(1), 95.
24. Mathai, S. C., Bueso, M., Lechtzin, N., **Boyce**, D., Singh, S., Zaiman, A., et al. (2010). The impact of health-related quality of life on outcomes in pulmonary arterial hypertension. *c56. assessing outcomes in pulmonary arterial hypertension* (pp. A4829-A4829) American Thoracic Society.
25. Mathai, S. C., Sibley, C. T., Forfia, P. R., Mudd, J. O., Fisher, M. R., Tedford, R. J., et al. (2011). Tricuspid annular plane systolic excursion is a robust outcome measure in systemic sclerosis-associated pulmonary arterial hypertension. *The Journal of Rheumatology*, *38*(11), 2410-2418.
26. Shehata, M. L., Harouni, A. A., Skrok, J., Basha, T. A., **Boyce**, D., Lechtzin, N., et al. (2013). Regional and global biventricular function in pulmonary arterial hypertension: A cardiac MR imaging study. *Radiology*, *266*(1), 114-122.
27. Shehata, M. L., Lossnitzer, D., Skrok, J., **Boyce**, D., Lechtzin, N., Mathai, S. C., et al. (2011). Myocardial delayed enhancement in pulmonary hypertension: Pulmonary hemodynamics, right ventricular function, and remodeling. *AJR. American Journal of Roentgenology*, *196*(1), 87-94.
28. Shehata, M. L., Skrok, J., Lossnitzer, D., **Boyce**, D., Lima, J. A., Hassoun, P., et al. (2009). Pulmonary hypertension: Role of septomarginal trabeculation and moderator band complex assessed by cardiac magnetic resonance imaging. *Journal of Cardiovascular Magnetic Resonance*, *11*(S1), P91.
29. Shehata, M. L., Skrok, J., Lossnitzer, D., Mathai, S. C., **Boyce**, D., Lechtzin, N., et al. (2010). Myocardial scar in pulmonary hypertension: Relationship to pulmonary hemodynamics, right ventricular function and remodeling. *Journal of Cardiovascular Magnetic Resonance*, *12*(S1), O51.
30. Sibley, C. T., Brown, L. M., Champion, H. C., **Boyce**, D., Lechtzin, N., Ketner, E., et al. (2008). Tricuspid annular plane systolic excursion predicts invasive hemodynamic markers of right ventricular function in pulmonary hypertension. *Circulation*, *118*(Suppl 18), S\_1074-S\_1074.
31. Sibley, C. T., Shehata, M. L., **Boyce**, D., Lechtzin, N., Mathai, S. C., Lima, J. A., et al. (2010). Simplified assessment of right ventricular function with cardiac MR using tricuspid annular plane systolic excursion in pulmonary arterial hypertension. *Journal of Cardiovascular Magnetic Resonance*, *12*(1), P283.
32. Sibley, C., Mathai, S., Champion, H., Ketner, E., Hildebrandt, M., **Boyce**, D., et al. (2009). TAPSE predicts invasive hemodynamic markers of right ventricular function in PAH. *c27. right ventricular function and exercise* (pp. A4132) American Thoracic Society.
33. Simone, C., Sibley, C., Dan, T., **Boyce**, D., Smith, S., Lippman, M., et al. (2012). Cardiac toxicity is not increased 25 years after treatment of early-stage breast carcinoma with mastectomy or breast conservation therapy from the national cancer institute randomized trial. *International Journal of Radiation Oncology\* Biology\* Physics*, *84*(3), S35-S36.
34. Skrok, J., Shehata, M. L., Mathai, S., Girgis, R. E., Zaiman, A., Mudd, J. O., et al. (2012). Pulmonary arterial hypertension: MR imaging-derived first-pass bolus kinetic parameters are biomarkers for pulmonary hemodynamics, cardiac function, and ventricular remodeling. *Radiology*, *263*(3), 678-687.
35. Tedford, R. J., Mudd, J. O., Girgis, R. E., Mathai, S. C., Zaiman, A. L., Houston-Harris, T., et al. (2013). Right ventricular dysfunction in systemic sclerosis-associated pulmonary arterial hypertension. *Circulation. Heart Failure*, *6*(5), 953-963.
36. Vogel-Claussen, J., Santaularia Tomas, M., Newatia, A., **Boyce**, D., Pinheiro, A., Abraham, R., et al. (2012). Cardiac MRI evaluation of hypertrophic cardiomyopathy: Left ventricular outflow tract/aortic valve diameter ratio predicts severity of LVOT obstruction. *Journal of Magnetic Resonance Imaging : JMRI*, *36*(3), 598-603.

37. Vogel-Claussen, J., Shehata, M. L., Lossnitzer, D., Skrok, J., Singh, S., **Boyce, D.**, et al. (2011). Increased right ventricular septomarginal trabeculation mass is a novel marker for pulmonary hypertension: Comparison with ventricular mass index and right ventricular mass. *Investigative Radiology*, 46(9), 567-575.
38. Vogel-Claussen, J., Skrok, J., Shehata, M. L., Singh, S., Sibley, C. T., **Boyce, D. M.**, et al. (2011). Right and left ventricular myocardial perfusion reserves correlate with right ventricular function and pulmonary hemodynamics in patients with pulmonary arterial hypertension. *Radiology*, 258(1), 119-127.
39. Vogel-Claussen, J., Skrok, J., Shehata, M. L., Singh, S., Sibley, C. T., **Boyce, D. M.**, et al. (2011). *Radiology*, 258, 119-127.
40. Vogel-Claussen, J., Tomas, M. S., Newatia, A., **Boyce, D.**, Pinheiro, A., Abraham, R., et al. (2009). Left ventricular outflow tract (LVOT) Diameter/Aortic valve diameter ratio is an accurate non-invasive cardiac MRI marker for estimation of LVOT obstruction in patients with hypertrophic cardiomyopathy. *Circulation*, 120(Suppl 18), S379-S379.