

CURRICULUM VITAE

07/15/2014

CHARLES JONASSAINT, PhD, MHS

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

2014- Assistant Professor, Department of Medicine, University of Pittsburgh

Personal Data

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jonassaintcr@upmc.edu

Education and Training

1998-2002 B.A. (Cum laude) Psychology and Broadcasting, **Minot State University**, Minot, ND

2003-2006 M.A. in Clinical Psychology, **Duke University**, Durham, NC
Specialization: Health Psychology

2006-2009 Ph.D. in Clinical Psychology, **Duke University**, Durham, NC
Dissertation Title: The Serotonin Transporter Gene Polymorphism (5HTTLPR) Moderates the Effect of Early Environmental Conditions on Self-Esteem in Young Adulthood (primary advisor: Redford B. Williams, MD)

2008-2009 Residency, **Duke University Medical Center**, Durham, NC
Medical Psychology Track

2010-2012 Master of Health Science, Cardiovascular Epidemiology,
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
Thesis: Socioeconomic Status and Health Care Utilization in Sickle Cell Disease

2010-2013 Fellow, General Internal Medicine
Johns Hopkins School of Medicine, Baltimore, MD

Professional Experience

2002 – 2003 **Residential Counsellor**
Greenhouse for Boys, Durham, NC
Role: Counselling in foster home

2009-2010 **Postdoctoral Associate**
Duke Institute for Genome Sciences & Policy, Durham, NC
Supervisor: Charmaine Royal, PhD

- 2009-2010 **Postdoctoral Associate**
 UNC Medical Genetics/Eating Disorders, Chapel Hill, NC
 Supervisors: Cynthia Bulik, PhD & Patrick Sullivan, MD
- 2013-2014 **Visiting Professor**
 Department of Psychology, Howard University, Washington, DC
 Teaching: Abnormal Psychology, Health Psychology

RESEARCH ACTIVITIES

Publications: Peer-reviewed Original Science Research

1. **Jonassaint CR**, Boyle SH, Williams RB, Mark DB, Siegler IC, Barefoot JC. Facets of openness predict mortality in cardiac patients. *Psychosom Med.* 2007 May;69(4):319-22. PMID: 17510289
2. Richman LS, **Jonassaint CR**. The effects of race-related stress on cortisol reactivity in the laboratory: implications of the Duke lacrosse scandal. *Ann Behav Med.* 2008 Feb;35(1):105-10. PMID: 18347910
3. Brummett BH, Boyle SH, Siegler IC, Kuhn CM, Ashley-Koch A, **Jonassaint CR**, Züchner S, Collins A, Williams RB. Effects of environmental stress and gender on associations among symptoms of depression and the serotonin transporter gene linked polymorphic region (5-HTTLPR). *Behav Genet.* 2008 Jan;38(1):34-43. PMID: 17955359
4. Feliu M, Edwards CL, Sudhakar S, McDougald C, Raynor R, Johnson S, Byrd G, Whitfield K, **Jonassaint CR**, Romero H, Edwards L, Wellington C, Hill LK, Sollers J 3rd, Logue PE. Neuropsychological Effects and Attitudes in Patients Following Electroconvulsive Therapy. *Neuropsychiatr Dis Treat.* 2008 Jun;4(3):613-7. PMID: 18830401
5. Belsky J, **Jonassaint CR**, Pluess M, Stanton MV, Brummett BH, Williams RB. Vulnerability genes or plasticity genes? *Mol Psychiatry.* 2009 Aug;14(8):746-54. PMID: 19455150
6. **Jonassaint CR**, Why YP, Bishop GD, Tong EM, Diong SM, Enkelmann HC, Khader M, Ang J. Personality predicts cardiovascular reactivity of Singaporean male police officers during an anger recall task. *Int J Psychophysiol.* 2009 Dec;74(3):274-9. PMID: 19818369
7. **Jonassaint CR**, Boyle SH, Kuhn CM, Siegler IC, Copeland WE, Williams R. Personality and inflammation: racial differences in the protective effect of Openness to Experience on C-reactive protein levels. *Ethn Dis.* 2010 Winter;20(1):11-4. PMID: 20178176
8. Whitfield KE, **Jonassaint CR**, Brandon D, Stanton MV, Sims R, Bennett G, Salva J, Edwards CL. Does John Henryism mediate the relationship between personality and cardiovascular health in African Americans? *J Natl Med Assoc.* 2010 Feb;102(2):95-100. PMID: 20191921

9. Stanton MV, **Jonassaint CR**, Williams RB, James SA. Socioeconomic status moderates the association between John Henryism and NEO PI-R personality domains. *Psychosom Med*. 2010 Feb;72(2):141-7. PMID: 20100884
10. **Jonassaint CR**. The heritability of self-esteem from adolescence to young adulthood. *The New Psychology Bulletin*. 2010; 7(1):1-13. Online ISSN: 1931-7948
11. Adam S, Telen M, **Jonassaint CR**, De Castro L, Jonassaint JC. The relationship of opioid analgesia to quality of life in an adult sickle cell population. *Health Outcomes Research in Medicine*. 2010 Jul;1(1), e29-e37. DOI: 10.1016/j.ehrm.2010.04.002
12. **Jonassaint CR**, Santos ER, Glover CM, Payne PW, Fasaye GA, Oji-Njideka N, Hooker S, Hernandez W, Foster MW, Kittles RA, Royal CD. Regional differences in awareness and attitudes regarding genetic testing for disease risk and ancestry. *Hum Genet*. 2010 Sep;128(3):249-60. PMID: 20549517
13. **Jonassaint CR**, Jonassaint JC, Stanton MV, De Castro LM, Royal CD. The association of clinical and sociodemographic factors and coping styles among adults with sickle cell disease. *J Natl Med Assoc*. 2010 Nov;102(11):1045-9. PMID: 21141293
14. Stanton MV, **Jonassaint CR**, Bartholomew FB, Edwards C, Richman L, DeCastro L, Williams R. The association of optimism, perceived discrimination and health care utilization in adults with sickle cell disease. *J Natl Med Assoc*. 2010 Nov;102(11):1056-63. PMID: 21141295
15. **Jonassaint CR**, Siegler IC, Barefoot JC, Edwards CL, Williams RB. Life course SES is associated with NEO PI-R personality domains. *Int J Behav Med*. 2011 Mar;18(1):13-21. PMID: 20012811
16. **Jonassaint CR**, Szatkiewicz JP, Bulik CM, Thornton LM, Bloss C, Berrettini WH, Kaye WH, Bergen AW, Magistretti P, Strober M, Keel PK, Brandt H, Crawford S, Crow S, Fichter MM, Goldman D, Halmi KA, Johnson C, Kaplan AS, Klump KL, La Via M, Mitchell JE, Rotondo A, Treasure J, Woodside DB. Specific variants of the obesity-associated FTO gene are not associated with psychological and behavioral eating disorder phenotypes. *Am J Med Genet B Neuropsychiatr Genet*. 2011 Jun;156B(4):454-61. PMID: 21438147
17. Royal CD, **Jonassaint CR**, Jonassaint JC, De Castro LM. Living with sickle cell disease: traversing "race" and identity. *Ethn Health*. 2011 Aug-Oct;16(4-5):389-404. PMID: 21797725
18. Root TL, Szatkiewicz JP, **Jonassaint CR**, Thornton LM, Pinheiro AP, Strober M, Bloss C, .., Bulik CM. An examination of association of candidate genes with phenotypic traits relevant to anorexia nervosa. *Eur Eat Disord Rev*. 2011 Nov;19(6):487-93. PMID:21780254
19. **Jonassaint CR**, Ashley-Koch A, Whitfield KE, Hoyle RH, Richman LS, Siegler IC, Royal CD, Williams R. The serotonin transporter gene polymorphism (5HTTLPR) moderates the effect of early environmental conditions on self-esteem in adulthood. *Biol Psychol*. 2012 Sep;91(1):111-9. PMID: 22659377

20. **Jonassaint CR**, Haywood C, Korthuis PT, Cooper LA, Saha S, Sharp V, Cohn J, Moore RD, Beach MC. The impact of depressive symptoms on the patient-provider relationship in HIV care. *AIDS Care*. 2013 Jan 15. [Epub ahead of print] PMID: 23320529
21. **Jonassaint CR**, Varma V, Harris GC, Chuang Y, Yasar S, Polinder-Bos H, Carlson MC. Lower hemoglobin is associated with poorer cognitive performance and smaller brain volumes in older adults. *J Am Geriatr Soc*. 2014 May;62(5):972-3.

Under Review or In Press

22. **Jonassaint CR**, Beach MC, Haythornthwaite, JA, Bediako, S, Diener-West, M, Strouse, JJ, Lanzkron S, Onojobi, G, Carroll, CP, Haywood C. The association between educational attainment and patterns of emergency department utilization among adults with sickle cell disease. Under review.
23. Jonassaint CR, Shah N, Jonassaint JC, De Castro L. Usability and Feasibility of an mHealth Intervention for Monitoring and Managing Pain Symptoms in Sickle Cell Disease: The Sickle Cell Disease Mobile Application to Record Symptoms via Technology (SMART). Under review.

Current Funding

8/2014 – 7/2017

Internet-Based Behavioral Interventions in Sickle Cell Disease Care

AHRQ K12, Patient-Centered Outcomes Research (PCOR) Scholars Program

PI: Jonassaint, CR

Role: Scholar, 75% effort

The primary goal of this project is to create a cost-effective, acceptable, and scalable Internet-based intervention to address disease related pain, stress and depression in adolescents and adults with SCD.

Past Funding

Summer 2014 Cognitive Functioning and Patient Self-Management in Sickle Cell Disease

Howard University Summer Faculty Research Fellowship (\$10,000)

PI: Jonassaint, CR

Role: Recipient, 50% effort

The primary goal of this project is to pilot test an online tool for measuring cognitive functioning and disease self-management in the adult Sickle Cell Disease Clinic at Howard University Hospital.

7/2012 – 6/2014 Cognitive Performance and Patient Engagement in Sickle Cell Care

NHLBI, Diversity Supplement Award; Parent grant 3R01HL088511-03S1

PI: Beach, MC

Role: Recipient, 100% effort

The primary goal of this project is to examine the association of patient cognitive function with self-efficacy in disease management, patient-provider communication, and engagement in the medical care process.

7/2011 – 6/2013 Psychological and Behavioral Factors Associated with Poor Disease Management and Health Outcomes in SCD

NIMHD, Loan Repayment Award

PI: Jonassaint, CR

This funded project aims to measure personality and psychological/behavioral coping in a large SCD cohort and test the influence of these factors on health service outcomes, patient-provider communication, and self-management.

9/2010-6/2012 Behavioral Research in Heart and Vascular Disease

NHLBI, NIH Training Grant 5-T32-HL007180

PI: Levine, D

Role: Trainee

This program provides training toward an investigative career directed at the improved understanding of behavioral mechanisms associated with cardiovascular health, illness, risk, and the investigation of interventions and community partnerships designed to prevent or control disease and promote enhancement of cardiovascular health status.

2006 – 2007 **Race, Social Evaluations and Perceived Discrimination**

Duke Social Science Research Institute Grant

PI: Jonassaint, CR

Role: Principle Investigator

This efficacy study was designed to test whether we could decrease the acute stress response using a multi-media intervention. The sympathetic response to stress was evaluated by measuring salivary cortisol at multiple time points throughout the protocol.

EDUCATIONAL ACTIVITIES

Non-Peer Reviewed Publications

1. **Jonassaint CR**, Smith A, Laney N, Schwartz S, Steketee M, Chen C, Cameron S. Progress in 2004. *The North Carolina Psychologist*. 2005;57 (1).
2. Schwartz S, Smith A, Laney N, Colwell T, Steketee M, **Jonassaint CR**. Where to begin: The journey of multicultural awareness. *The North Carolina Psychologist*. 2006;58 (1).
3. Sterrett E, Schwartz S, **Diversity Committee**. Becoming a multiculturally competent therapist: A practical start. *The North Carolina Psychologist*. 2006;58 (5).
4. Cameron S, Colwell T, **Jonassaint CR**, Laney N, Schwartz S, Smith A, Steketee M, Street E. Exploring the ideology of color-blindness. *The North Carolina Psychologist*. 2006;58 (6).
5. **Jonassaint CR**, Diversity Committee. Having SUCCESS with diversity: Intergroup contact. *The North Carolina Psychologist*. 2007;59 (1).
6. **Jonassaint CR**. Gene-Environment Interaction Effects on Self-esteem. Saarbrücken, Germany: VDM Verlag Dr. Müller; 2009.
7. Royal, C.D., **Jonassaint, C.R.**, Jonassaint, J.C., De Castro LM. Living with sickle cell disease: traversing “race” and identity. In S. Dyson & K. Atkin (Eds.), *Genetics and Global Public Health: Sickle Cell and Thalassaemia*. London, UK: Routledge; 2012.

Teaching

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| 2005, 2006 | Mentorship Assistant <i>Introduction to Prostate Cancer Research</i>
Duke PRIME Internship Program, Durham, NC |
| 2006 | Teaching Assistant <i>Behavioral Medicine</i>
Duke University Psychology Department, Durham, NC |
| 2007 | Teaching Assistant <i>Stress & Coping</i>
Duke University Psychology Department, Durham, NC |
| 2008 | Instructor <i>Abnormal Psychology</i>
Duke Talent Identification Program, Durham, NC |
| 2008 | Lecturer <i>Genomics & Society</i>
Duke Institute for Genome Sciences & Policy, Durham, NC |

2013, 2014 **Instructor** *Abnormal Psychology, Health Psychology*
Howard University Department of Psychology, Washington, DC

Mentoring

Advisees (2013-) Victor L. Jones, Clinical Psychology Graduate Program
(2013-) Nicolette Graves, Undergraduate Nutrition
Current position: Masters candidate, University of Bristol, UK
(2013-) Monique Johnson, Undergraduate Psychology
(2013-) Mariah Lewinson, Undergraduate Psychology

CLINICAL ACTIVITIES

Certification

Licensed Clinical Psychologist in State of Maryland
Lic No.: 05036 exp: 03/31/2016

Clinical Service

2004 – 2005 **Practicum**
Duke University Psychology Training Clinic, Durham, NC
Supervisor: Ron Batson, MD

2006 – 2007 **Practicum**
DUMC Dialectical Behavioral Therapy Clinic, Durham, NC
Supervisor: Thomas Lynch, PhD

2007 – 2008 **Practicum**
DUMC Pediatric Psychology Clinic, Durham, NC
Supervisor: Melanie Bonner, PhD

2005 – 2009 **Practicum/Internship**
Duke University Medical Center Biofeedback Clinic, Durham, NC
Supervisor: Christopher L. Edwards, PhD

2008 – 2009 **Medical Psychology Internship**
Duke University Medical Center Hematology Clinic, Durham, NC
Supervisor: Laura De Castro, MD

2008 – 2009 **Medical Psychology Internship**
Duke University Medical Center Weight Loss Surgery, Durham, NC
Supervisor: Katherine Applegate, PhD and Kelly Friedman, PhD

2010 – 2013 **Psychology Fellowship**
Johns Hopkins Hospital, Department of Hematology, Baltimore, MD
Supervisor: Pat Carrol, MD

2013 - **Adult Transition Program**
Howard University Hospital Sickle Cell Clinic, Washington, DC
Supervisor: Tye Brown, PhD

RECOGNITION

Awards/Honors

1998-2002	President's List, Minot State University
2000-2002	Academic All-American (Football), NAIA
2001	Richard Sheldon Scholarship, Outstanding Junior, Minot State U
2001	Gaylen Brown Psychology Scholarship, Minot State University
2002	Outstanding Senior Award, Humanities Division, Minot State U
2004	Scholarship, NCSU Summer Institute in Statistical Genetics
2003-2006	Claire Hamilton Travel Award, Duke Psychology
2007-2008	Duke Graduate School Conference Travel Fellowship
2008	American Psychosomatic Society Minority Initiative Award
2010	Sickle Cell: The Next 100 Years. Best Paper Award
2011	OBSSR Randomized Behavioral Clinical Trials Fellowship
2011	AcademyHealth/ Aetna Foundation Minority Scholar
2012	GSA Annual Meeting, Behavioral and Social Sciences Travel Award

ORGANIZATIONAL ACTIVITIES

Editorial Activities

Journal peer review activities

Biological Psychology, Ethnicity & Disease, Frontiers in Neuroscience,
Journal of Black Psychology, AIDS Care

Professional Societies

1999-2002	Minot State University Psychology Club (Vice President)
2002-2009	APA Division 38 - Health Psychology (Student Member)
2003-2009	NC Psychological Association (Student Member)
2003-2009	NCPA Diversity Committee (Member)
2004-2009	Society of Behavioral Medicine (Student Member)
2004-2010	American Psychosomatic Society (Fellow)
2008-2010	Black Graduate and Professional Student Association (Officer)
2010-	World-wide Initiative on Social Studies of Hemoglobinopathies
2010-	Greater Baltimore Association of Black Psychologists (Member)
2010-	Society of General Internal Medicine (Fellow)
2011-	Academy Health (Fellow)

OTHER PROFESSIONAL ACCOMPLISHMENTS

Workshops and Other Training

Summer 2003, 2004	NC State University Summer Institute in Statistical Genetic
Summer 2005	Duke University's Genetic Analysis of Complex Human Disease Course
Summer 2011	OBSSR Summer Institute on Randomized Clinical Trials

Professional Presentations (Selected)

1. **Jonassaint, C.R.**, Boyle, S.H., Williams, R.B., Siegler, I.C., Barefoot, J.C. (2005). Facets of the Openness to Experience domain predict cardiac death and all-cause mortality. *Psychosom Med*, 67 (1), A90.
2. **Jonassaint CR**, Merritt MM, Sollers JJ, Evans MK, Zonderman AB, Thayer JF. An interaction between Neuroticism and Agreeableness predicts vascular responses to affective stimuli among older African-American adults. *Psychosom Med*. 2005;67 (1), A97.
3. **Jonassaint CR**, Bishop GD, Why YP, Tong EM, Diong SM, Enkelmann HC, Khader M, Ang J. Ethnic differences in the effects of personality on cardiovascular reactivity. Society of Behavioral Medicine. Boston, MA; April 2005.
4. **Jonassaint CR**, Edwards CL, Siegler I, Costa P, Williams RB, Barefoot JC. John Henryism in Association with NEO PI-R Domains. Annual Scientific Conference of the American Psychosomatic Society. Denver, CO; March 2006.
5. **Jonassaint CR**, Williams RB, Ashley-Koch A, Siegler I, Edwards CL, Whitfield KE. Race may moderate the association between the serotonin transporter gene promoter polymorphism (5HTTLPR) and NEO PI-R personality domains. American Psychosomatic Society. Denver, CO; March 2006.
6. **Jonassaint CR**, Siegler IC, Kuhn CM, Ashley-Koch A, Williams RB. Influences of brain serotonergic activity on personality. Society of Behavioral Medicine. San Francisco, CA; March 2006.
7. James, S., Whitfield, K., **Jonassaint, C.R.**, Merritt, M.M., Edwards, C.L., Robinson, E. John Henryism and health outcomes among African-Americans: A Reconceptualization. Symposium presented at the 64th Annual Scientific Conference of the American Psychosomatic Society, Denver, CO; March 2006
8. **Jonassaint CR**, Richman L. The effects of an experimental and naturalistic stressor on cortisol levels among African American college students. Society of Behavioral Medicine. Washington, DC; March 2007.
9. **Jonassaint CR**, Jonassaint JC, Ashley-Koch A, Adam SS, Telen MJ, De Castro LM. The Effects of Chronic Opiates on Pain Therapy in Sickle Cell Anemia. *Blood (ASH Annual Meeting Abstracts)*. Dec 2007;110 (11), 3404.
10. Jonassaint JC, **Jonassaint CR**, Telen MJ, De Castro L. Does living closer to a medical care center matter in sickle cell disease? *Blood (ASH Annual Meeting Abstracts)*. Nov 2008; 112: 875.
11. **Jonassaint CR**, Jill CD, Jonassaint JC, De Castro L, Royal CR. The influence of "racial" identity and coping styles on SCD outcomes and health care utilization. *Sickle Cell: The Next 100 Years*. De Montfort University, Leicester, UK; April 2010.
12. **Jonassaint CR**, Beach MC, Lanzkron S, Haywood C. How is patient socioeconomic status related to health care utilization in sickle cell disease? Annual National Sickle Cell Disease Scientific Meeting. Hollywood, FL; Feb 2011.
13. Touradji P, Firestone R, Zorowitz S, Palta P, **Jonassaint CR**, Hill-Briggs F. Education, literacy and diabetes-related neuropsychological test performance in urban African Americans. American Psychological Association, Orlando, FL; Aug 2012.

14. **Jonassaint CR**, Harris GC, Varma V, Chuang Y, Carlson MC. Is anemia associated with cognitive performance and brain volume in the elderly? Gerontological Society of America Annual Meeting. San Diego, CA; Nov 2012.