

**Curriculum Vitae**  
**Omayma Alshaarawy, MBBS, Ph.D.**

**DATE:** December 6, 2018

1. **CONTACT INFORMATION:** Room B113, 788 Service Road, East Lansing, MI, USA, 48824. Phone number: 517-884-0420. Email: [alshaara@msu.edu](mailto:alshaara@msu.edu)
2. **CURRENT POSITION:** Assistant Professor, Department of Family Medicine, College of Human Medicine, Michigan State University

**3. EDUCATION**

- |             |   |
|-------------|---|
| <b>2006</b> | <b>MBBS (Bachelor of Medicine, Bachelor of Surgery)</b><br>School of Medicine, Cairo University, Cairo, Egypt |
| <b>2013</b> | <b>PhD in Public Health Sciences - Epidemiology</b><br>School of Public Health, West Virginia University      |

**4. EMPLOYMENT**

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|-------------------|--|
| <b>2016-2018</b>  | Research Associate: Department of Epidemiology and Biostatistics, Michigan State University                      |
| <b>2015-2016</b>  | Visiting Scholar: Department of Epidemiology and Biostatistics Indiana University-Bloomington                    |
| <b>2013-2015</b>  | T32 NIDA Postdoctoral fellow: Department of Epidemiology and Biostatistics Michigan State University             |
| <b>2010- 2013</b> | Research Assistant: Department of Epidemiology, School of Public health West Virginia University, Morgantown, WV |
| <b>2009-2010</b>  | Resident of Clinical Pathology: Almounira General Hospital, Cairo, Egypt   |
| <b>2008-2009</b>  | Primary Care Physician: Egyptian Ministry of Health  |
| <b>2006-2008</b>  | House Officer: Cairo university Hospitals, Cairo, Egypt  |

## 5. PROFESSIONAL MEMBERSHIP

- College on Problems of Drug Dependence: Associate Member
- American Diabetes Association: Member (Medicine & Science)

## 6. AWARDS AND HONORS

- MSU Postdoctoral Excellence in Research Award 2018
- NIDA Director's Travel Award 2015
- Michigan State University postdoctoral association mini travel award winner 2014
- Selected for appointment to the National Institute on Drug Abuse T32 postdoctoral Training Grant (T32DA021129) 2013-2015
- American Diabetes Association's Young Investigator Travel Grant 2012
- Selected for appointment to the NIH Cardiovascular and Pulmonary Disease Training Grant (T32HL090610) 2012

## 7. REFREE/REVIEWER (2018)

- Hypertension
- Circulation
- Journal of American Heart Association
- Drug and Alcohol Review
- Environmental Pollution
- International Journal of Hygiene and Environmental Health
- Environmental Research
- Environment International
- Science of the Total Environment

## 8. RESEARCH SUPPORT

**2016-2021 Principal Investigator:** Using pre-clinical biomarkers and epidemiological models to assess the effects of cannabinoids on disease (NIH/NCCIH, Estimated total \$928000 )

## 9. TEACHING

**Spring 2012** CHPR 170 Health of the Individual. West Virginia University

- Undergraduate course
- Role: Teaching Assistant

**Fall 2012** EPID 610 Principles of Epidemiology. West Virginia University

- Graduate course
- Role: Teaching Assistant

**Summer 2014, 2015** EPI 495 Epidemiology and Behavioral Health. Michigan State University

- Undergraduate/Graduate course
- Role: Teaching Assistant

**Spring 2016** E-311 Introduction to Epidemiology. Indiana University-Bloomington

- Undergraduate course
- Role: Sole instructor

## 10. BIBLIOGRAPHY

### a. Peer- reviewed manuscripts:

1. **Alshaarawy O**, Teppala S, Shankar A. Markers of Sleep-Disordered Breathing and Prediabetes in US Adults. *Int J Endocrinol.* 2012; 2012:902324. doi:10.1155/2012/902324.PMID: 22829819.
2. **Alshaarawy O**, Xiao J, Shankar A. Association of serum cotinine levels and hypertension in never smokers. *Hypertension* 2013; 61(2):304-8. doi: 10.1161/HYPERTENSIONAHA.112.198218. PMID: 23184382.
3. **Alshaarawy O**, Xiao J, Andrew ME, Burchfiel C, Shankar A. Serum cotinine levels and prehypertension in never smokers. *Int J Hypertens.* 2013; 2013:284524. doi: 10.1155/2013/284524. PMID: 23476744.
4. **Alshaarawy O**, Zhu M, Ducatman A, Conway B, Andrew ME. Polycyclic aromatic hydrocarbon biomarkers and serum markers of inflammation. A positive association that is more evident in men. *Environ Res.* 2013; 126:98-104. doi: 0.1016/j.envres.2013.07.006. PMID: 23972896.

5. Innes KE, **Alshaarawy O**, Goins RT. Association between self-reported type 2 diabetes mellitus and physical function in older American Indians. *J Am Geriatr Soc.* 2014;62(2):380-2. doi: 10.1111/jgs.12673. PMID: 24521368.
6. **Alshaarawy O**, Zhu M, Ducatman AM, Conway B, Andrew ME. Urinary polycyclic aromatic hydrocarbon biomarkers and diabetes mellitus. *Occup Environ Med.* 2014;71(6):437-41. doi: 10.1136/oemed-2013-101987. PMID: 24638887.
7. **Alshaarawy O**, Anthony JC. Month-wise estimates of tobacco smoking during pregnancy for the United States, 2002-2009. *Matern Child Health J.* 2015;19(5):1010-5. doi: 10.1007/s10995-014-1599-4. PMID: 25112459.
8. **Alshaarawy O**, Anthony JC. Cannabis smoking and serum C-reactive protein: a quantile regressions approach based on NHANES 2005-2010. *Drug Alcohol Depend.* 2015;147:203-7. doi: 10.1016/j.drugalcdep.2014.11.017. PMID: 25529540.
9. **Alshaarawy O**, Anthony JC. Cannabis Smoking and Diabetes Mellitus: Results from Meta-analysis with Eight Independent Replication Samples. *Epidemiology.* 2015;26(4):597-600. doi: 10.1097/EDE.0000000000000314. PMID: 25978795.
10. **Alshaarawy O**, Elbaz HA. Serum cotinine levels and diabetes mellitus in never smokers. *J Diabetes Complications.* 2015;29(8):1032-6. doi: 10.1016/j.jdiacomp.2015.08.018. PMID: 26382617.
11. **Alshaarawy O**, Elbaz HA, Andrew ME. The association of urinary polycyclic aromatic hydrocarbon biomarkers and cardiovascular disease in the US population. *Environ Int.* 2016;89-90:174-8. doi: 10.1016/j.envint.2016.02.006. PMID: 26878282.
12. **Alshaarawy O**, Breslau N, Anthony JC. Monthly Estimates of Alcohol Drinking During Pregnancy: United States, 2002-2011. *J Stud Alcohol Drugs.* 2016;77(2):272-6. PMID: 26997185.
13. **Alshaarawy O**, Elbaz HA. Cannabis use and blood pressure levels: United States National Health and Nutrition Examination Survey, 2005-2012. *J Hypertens.* 2016;34(8):1507-12. doi: 10.1097/HJH.0000000000000990. PMID: 27270185.

14. Cheng HG\*, **Alshaarawy O\***, Cantave MD, Anthony JC. Inverse association linking serum levels of potential antioxidant vitamins with C-reactive protein levels using a novel analytical approach. *Br J Nutr.* 2016;116(7):1256-1264. PMID: 27620205. \*Equal contribution
15. **Alshaarawy O**, Anthony JC. The replicability of cannabis use prevalence estimates in the United States. *Int J Methods Psychiatr Res.* 2017 Jun;26(2). doi: 10.1002/mpr.1524. PMID: 27658846
16. Anthony JC, Lopez-Quintero C, **Alshaarawy O**. Cannabis Epidemiology: A Selective Review. *Curr Pharm Des.* 2017;22(42):6340-6352. doi:10.2174/1381612822666160813214023. PMID: 27526792.
17. **Alshaarawy O**, Kurjan E, Truong N, Olson LK. Diet-Induced Obesity in Cannabinoid-2 Receptor Knockout Mice and Cannabinoid Receptor 1/2 Double-Knockout Mice. *Obesity. In press*

#### b. Chapters

Anthony JC, **Alshaarawy O**, Lopez-Quintero C. International Trends in Marijuana Use. In Winters K, Sabet K (Eds), *Contemporary Health Issues on Marijuana*. New York, NY: Oxford University Press, 2016

#### c. Presentations

##### Oral

1. **Alshaarawy O**, Kurjan E, Truong N, Olson LK. Weight Gain and Insulin Resistance in Mice Lacking Cannabinoid-2 Receptor. College on Problems of Drug Dependence Late Breaking Scientific Session, 2018, San Diego, CA
2. **Alshaarawy O**, Anthony JC. Cannabis Use during Pregnancy for the United States, 2005-2013. College on Problems of Drug Dependence 78th Scientific Sessions, 2016, Palm Springs, CA. \*Also selected for presentation in the meeting Media Forum known as "What's Hot!"
3. **Alshaarawy O**, Anthony JC. Diabetes mellitus outcomes: Is cannabis smoking protective? College on Problems of Drug Dependence 76th Scientific Sessions, 2014, San Juan, Puerto Rico.

4. **Alshaarawy O**, Xiao J, Shankar A. The association of serum cotinine level and diabetes mellitus in never smokers. American Diabetes Association's 72nd Scientific Sessions, 2012, Philadelphia, PA.
5. **Alshaarawy O**, Xiao J, Shankar A. Perfluoroalkyl chemicals and prediabetes in US adults. Spotlight Session, the 45th Annual SER Meeting, 2012, Minneapolis, MN.
6. Innes KE, **Alshaarawy O**, Goins RT. The association of physical function to self-reported diabetes in a population of older American Indians. The OPHA 67th Annual Meeting, 2011, Oregon.

### **Poster**

7. **Alshaarawy O**, Kurjan E, Truong N, Olson LK. Mice Lacking Both Cannabinoid-1 and Cannabinoid-2 Receptors Are Resistant to Diet-Induced Obesity. American Diabetes Association's 78th Scientific Sessions, 2018, Orlando, FL
8. **Alshaarawy O**, Anthony JC. Cannabis use and changes in body weight studied prospectively. New estimates for the United States. College on Problems on Drug Dependence 80th Scientific Sessions, 2018. San Diego, CA
9. **Alshaarawy O**. Total and Differential Leukocyte Counts among Cannabis Users. The National Health and Nutrition Examination Survey, 2005-2014. International Cannabinoid Research Society 27th Annual Symposium, 2017. Montreal, Canada
10. **Alshaarawy O**, Anthony JC. Mortality from cardiovascular disease and diabetes among cannabis users. College on Problems on Drug Dependence 79th Scientific Sessions, 2017. Montreal, Canada
11. Fairman BJ, **Alshaarawy O**. Elevated cotinine levels in recently active cannabis users absent recent cigarette or other tobacco exposure: Unmeasured blunt or environmental sources? College on Problems on Drug Dependence 78th Scientific Sessions, 2016. Palm Springs, CA
12. **Alshaarawy O**, Anthony JC. Cannabis smoking, cardiometabolic health, and cardiovascular disease: United States NHANES, 2005-2010. College on Problems on Drug Dependence 77th Scientific Sessions, 2015, Phoenix, AZ

13. Zhou G, **Alshaarawy O**. Estimated prevalence of extra-medical drug use among women aged 12-44 Years by pregnancy status in the United States, NSDUH 2002-2011. Annual Conference of the Michigan State University Women's Health Research, 2014, East Lansing MI
14. Brosig RM, **Alshaarawy O**. Energy drinks consumption. Data for the United States based on the National Health and Nutrition Examination Survey 2001-2010. Michigan Epidemiology Conference, 2014, East Lansing MI
15. **Alshaarawy O**, Xiao J, Shankar A. The association of serum cotinine level and diabetes mellitus in never smokers,” the 45th Annual SER Meeting, 2012, Minneapolis, MN
16. **Alshaarawy O**, Xiao J, Shankar A. Perfluoroalkyl chemicals and prediabetes in US adults. American Diabetes Association’s 72nd Scientific Sessions, 2012, Philadelphia, PA

#### 11. **PERSONAL INFORMATION**

- Gender: Female
- Date of birth: March 10, 1984
- Place of birth: Cairo, Egypt
- Citizenship: Egyptian-American citizen