



American Society for Quality (www.asq.org) – Washington DC and Maryland Metro, Section 509 (www.asq509.org)

Biomed/Biotech Special Interest Group (SIG) Meeting
(<http://www.asq509.org/ht/d/sp/i/31557/pid/31557>)

“An Examination of the Physical-Mental Association – Results from a Representative Sample of the US General Population”

To be presented by

Patricia Chou, PhD

(Patricia.Chou@nih.gov)

Director, WHO/NIH Collaborative Study on Alcohol Epidemiology and Injury, Asian Region

Thursday, July 21, 2016

6:00 – 6:20 PM – Networking; Pizza/drink

6:20 – 8:45 PM – Program

8:45 – 9:00 PM – Door-prizes drawing; Networking

Online Registration site: <http://www.asq509.org/ht/d/DoSurvey/i/35817>

Open to Public –

\$5: [non-ASQ members](#) to cover pizza/drink cost;

Free: ASQ members, veterans, senior citizens, past speakers, US PHS Commissioned Corp officers, teachers, students, interns, residents, postdocs, FDA Commissioner’s Fellows, MJ-DC members, NTUAADC members, CAPA members, NTMA members, CKUAADC members, CCACC volunteers/employees, FAPAC members, CBA members, AAGEN members, NCARSQA members, OCA-DC members, AAMB members, ACAP members, and current job-seekers

Location: [Kelly’s Deli Conference Center, 7529 Standish Place, Rockville \(Derwood, for GPS users\), MD 20855](#)

Registration Deadline: Please register by ***Thursday noon, July 21, 2016.***

Question: Please contact Dr. C.J. George Chang, Chair of Biomed/Biotech SIG, ASQ509; gchang2008@yahoo.com or 240-793-8425 (cell).

Driving directions: By Cars: From I-270 (N or S bound): Take Exit 9A and exit from the FIRST right exit; turn left (east) onto Shady Grove Dr.; turn right (south) onto Rockville Pike (**Route 355**); turn left (east) onto East Gude Dr.; turn left (north) immediately onto Crabb’s Branch Dr.; turn left (west) immediately onto Standish Place. The first building on your right side is 7519 Standish Place; open parking). [The venue is on the first floor of 7529 Building with its external entrance opposite to the left side of 7519 building main entrance.](#) **By Metro trains:** Off from Red Line **Shady Grove Station**, and take RideOn **Route 59 TOWARD ROCKVILLE** and get off from “**Calhoun Place**” stop. Standish Place is next to the Bus stop. Our venue is within 2 min of walking distance from the stop.

Summary Clinical and epidemiologic evidence has documented the significant associations between medical illnesses and psychiatric disorders. However, extensive research has focused on the comorbidity of medical conditions and depression, and most were cross-sectional, focused on clinical samples, and grounded in DSM-III or DSM-III-R diagnostic criteria. The current prospective investigation examined associations among medical conditions at baseline and incident psychiatric disorders over a 3-year follow up, using data from a nationally representative sample of the US general population.

Overall, the 3-year incidence rates of DSM-IV substance use, mood and anxiety disorders ranged from 0.65% (Bipolar II) to 5.2% (alcohol abuse). Multiple regression analysis was conducted to examine the prospective physical-mental associations, while controlling for sociodemographic characteristics, stress and health-related risk factors, and comorbid physical and psychiatric disorders.

The present study represents, to our knowledge the largest US population-based prospective study examining the physical-mental associations. Our results showed distinctly different patterns of comorbidity of medical illnesses with substance use, mood, and anxiety disorders. Stomach ulcer/gastritis, hypertension and arthritis emerged to be significant predictors of incident psychiatric disorders.

Speaker's Bio: Patricia Chou, PhD



Dr. Patricia Chou is a **leading expert** in addiction science and mental health, especially in the epidemiology of substance use disorder (SUD) and comorbid mood and anxiety disorders. Her recent publication on the epidemiology of nicotine use disorder had been featured in the National Institute on Alcohol Abuse and Alcoholism's (NIAAA's) press release in April 2016. Currently she is the **Director** of WHO (World Health Organization)/NIH Collaborative Study on Alcohol Epidemiology and Injury, Asian Region. Dr. Chou has published numerous scientific papers and presented the Asian Alcohol Epidemiology & Injury Study results to international audiences at conferences and workshops. She also organized important scientific forum and symposia on alcohol epidemiology and injury. At the present time she is the **editor** of several scientific journals and serves as the **reviewer** of nearly 30 scientific journals.

Dr. Chou's expertise also includes the technical and statistical knowledge and experience in the entire life cycle of the alcohol epidemiologic household survey. She has been recognized as the **major contributor** of the nationally acclaimed National Epidemiologic Survey on Alcohol and Related Conditions (NESARC), which has won numerous awards for its technical merits. Furthermore, the data collected on the survey have been the basis of thousands of scientific papers providing national estimates of the prevalence of substance use disorder, and patterns and associations of SUD with comorbid psychiatric disorders, including the public health implications of the prevalence estimates and comorbid associations.

This event is cosponsored by **NTU Alumni Association DC Chapter** (www.ntuaadc.org), **Chinese American Professional Association DC Chapter** (www.capadc.org), and **Association of Chinese American Physician Mid-Atlantic Chapter (ACAP-MAC)**.