

## Caitlin Wei-Ming Watson

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HIV Neurobehavioral Research Program (HNRP)  
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San Diego, CA 92103

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### Education

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- 2016-present** SDSU/University of California, San Diego Joint Doctoral Program  
San Diego, CA  
Doctoral candidate (Ph.D.) in Clinical Psychology, Neuropsychology track  
Advisors: Erin Morgan, PhD; Igor Grant, PhD
- 2016-2018** San Diego State University  
San Diego, CA  
Master of Science (M.S.) in Clinical Psychology  
GPA: 3.96  
Thesis: Effects of trauma, economic hardship, and stress on neurocognition and everyday functioning outcomes in HIV
- 2009-2013** Columbia University  
New York, NY  
Bachelor of Arts (B.A.), Psychology/Neuroscience and Urban Studies  
GPA: 3.814, *cum laude*  
Thesis: Alzheimer's and the City: Neurons, Architecture, and Health Interventions
- GRE: Verbal 168 (98%); Quantitative 162 (83%); Analytical 5.5 (98%)  
Psych GRE: 770 (95%)

### Grants, Awards and Honors

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- 2016-present** NRSA T32: Training in Research on Addictions and Interdisciplinary NeuroAIDS
- 2018** National Science Foundation (NSF) Graduate Research Fellowship Honorable Mention
- 2013** Graduated from Columbia University *cum laude* (top 25% of class)
- 2012-2013** Columbia University Senior Thesis Grant Award
- 2009-2013** Columbia University Dean's List
- 2009-2013** Urbanek Levy Education Fund Scholarship

### Research Experience

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- Sept 2016 - Present** NIH T32 Predoctoral Fellow  
HIV Neurobehavioral Research Program, Department of Psychiatry  
San Diego, CA

*Mentors:* Igor Grant, MD  
Erin E. Morgan, PhD  
María J. Marquine, PhD

*Population:* HIV+ and HIV- adults

*Studies:* CNS HIV Anti-Retroviral Therapy Effects Research (CHARTER), Translational Methamphetamine AIDS Research Center (TMARC)

*Experiences:* Lead and assist in study design, statistical modeling, and manuscript preparation for multiple projects; Administer and score neuropsychological and structured and semi-structured psychiatric and substance use assessments on paper and computer in English and Spanish; Attend weekly didactic multidisciplinary T32 Training in Research on Addictions in Interdisciplinary NeuroAIDS (TRAIN) seminars pertaining to the latest research in infectious diseases, clinical neuroscience and psychiatry

**Dec 2013 -  
Dec 2015**

**Clinical Research Coordinator**

Columbia University Medical Center, Cognitive Neuroscience Division  
New York, NY

*Supervisors:* Jennifer J. Manly, PhD  
Adam M. Brickman, PhD  
Laura B. Zahodne, PhD  
James M. Noble, MD

*Population:* Multiethnic geriatric community

*Studies:* Washington Heights and Inwood Community Aging Project, Psychosocial protective factors in cognitive and brain aging, Inflammatory factors and risk of dementia

*Experiences:* Lead and assist in study design, statistical modeling, and manuscript preparation for multiple projects; Administer and score neuropsychological assessments on paper and computer in English and Spanish (including NIH Toolbox); Responsible for recruitment and oversight of periodontal and caries assessment; Assist in magnetic resonance imaging (MRI) scanning procedures and analysis; Prepare and maintain IRB protocol in accordance with Human Information and Accountability Act (HIPAA); Attend weekly didactic clinical practicum and neurology seminars pertaining to the latest research in clinical neuroscience and psychiatry; Attend clinical supervision with neuropsychologists

**June 2013 -  
Dec 2013**

**Research Coordinator**

Icahn School of Medicine at Mount Sinai, Alzheimer's Disease Research Center  
New York, NY

*Supervisors:* Mary Sano, PhD  
Jane Martin, PhD  
Judith Neugroschl, MD

*Population:* Community based, older adults

*Studies:* National Alzheimer's Coordinating Center (NACC) Longitudinal Study of Memory and Aging, Alzheimer's Disease Neuroimaging Initiative-2 (ADNI-2)

*Experiences:* Recruit racial and ethnic minorities into study, particularly Spanish-speakers; Coordinate magnetic resonance imaging (MRI) and spinal tap visits; Supervise summer intern research projects and train new research assistants; Responsible for reporting functional and cognitive status of participants at weekly consensus diagnosis meeting; Administer and score neuropsychological assessments in English and Spanish

**June 2012 -  
May 2013**      **Volunteer Research Assistant & Thesis Researcher**  
Columbia University Medical Center, Taub Institute  
New York, NY

*Supervisors:* Jennifer J. Manly, PhD  
Adam M. Brickman

*Population:* Multiethnic geriatric community  
*Study:* Washington Heights and Inwood Community Aging Project

*Experiences:* Develop thesis research project examining social and environmental determinants of high quality of life in cognitively impaired patients, conduct interviews; Administer neurocognitive batteries over the phone to highly impaired study participants; Assess cognitive functioning before death of participants through informant interview; Prepare charts and assist in weekly consensus diagnosis conference with neuropsychologists and clinicians; Observe administration of cognitive tests, evaluations and clinical interviews

**June 2011 -  
Dec 2011**      **Healthy Aging Policy Coordinator**  
New York Academy of Medicine  
New York, NY

*Supervisor:* Dorian Block, MS

*Population:* Low-income older and mid-life adults

*Experiences:* Research relevant health issues for low-income elderly population of East Harlem; Interview seniors regarding their health status and concerns; Collaborate with physicians, politicians, and city institutions to implement health intervention programs involving exercise, social engagement, and intergenerational support

## Teaching Experience

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**Jan 2011 -  
Dec 2011**      **Teaching Assistant**  
Columbia University Department of Psychology  
New York, NY

*Professor:* Patricia Lindemann, PhD

*Experiences:*

- Teach undergraduate Psychology and Neuroscience students the fundamentals of neurobiology as guest lecturer
- Meet one-on-one with students, lead review sessions
- Write and grade exams, grade response papers

## Professional Organization Memberships

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**2016-present**      Member, International Neuropsychological Society (INS)

**2016-present**      Member, Association of Neuropsychological Students in Training (ANST)

**2016-present**      Member, American Psychological Association of Graduate Students (APAGS)

## Peer-Reviewed Publications

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1. **Watson, C.W-M.**, Sundermann, E.S., Hussain M.A., Umlauf, A., Thames, A.D., Letendre, S.L., Moore, R.C., Jeste, D.V., Morgan, E.E., & Moore D.J. (*in press*). Effects of trauma, economic hardship, and stress on neurocognition and everyday functioning outcomes in HIV. *Health Psychology*. doi:10.1037/hea0000688
2. Shariff, J.A., Burkett, S., **Watson, C. W-M.**, Cheng, B., Noble, J.M, & Papapanou, P.N. (2018) Periodontal status among elderly inhabitants of Northern Manhattan: the WHICAP Ancillary Study of Oral Health. *The Journal of Clinical Periodontology*, 1-11. doi: 10.1111/jcpe.12927
3. Moore, R.C., Hussain, M.A., **Watson, C. W-M.**, Fazeli, P.L., Marquine, M.J., Yarns, B.C., Jeste, D.V., & Moore, D.J. (2018) Grit and ambition are associated with better neurocognitive and everyday functioning among adults living with HIV. *AIDS and Behavior*, 1-12. doi: 10.1007/s10461-018-2061-1
4. Zahodne, L.B., **Watson, C.W-M.**, Seehra, S., & Martinez, M. (2017) Positive psychosocial factors and cognition in ethnically diverse older adults. *Journal of the International Neuropsychological Society*, 23, 1-11. doi: 10.1017/S1355617717000935
5. **Watson, C.W-M.**, Manly, J.J. & Zahodne, L.B. (2016) Does bilingualism protect against cognitive aging? Methodological issues in research on bilingualism, cognitive reserve, and dementia incidence. *Linguistic Approaches to Bilingualism: Special Issue on Bilingualism and Executive Function: An interdisciplinary approach*, 6, 590-604. doi: 10.1075/lab.15043.wat

## Manuscripts Under Review

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1. Alakkas, A., Ellis, R, **Watson, C.W-M.**, Umlauf, A., Heaton, R.K., Letendre, S., Collier, A., Marra, C., Clifford, D.B., Gelman, B., Sacktor, N., Morgello, S., Simpson, D., McCutchan, J.A., Kallianpur, A., Gianella, S., Marcotte, T., Grant, I., & Fennema-Notestine, C. for the CHARTER Group. (*under review*) White matter damage, neuroinflammation, and neuronal integrity in HIV-associated neurocognitive disorders. *Journal of Neurovirology*
2. Deiss, R., Campbell, J., **Watson, C. W-M.**, Moore, R.C., Crum-Cianflone, N.F., Wang, X., Letendre, S., Maves, R.C., Ganesan, A., Okulicz, J., Moore, D.J., & Agan, B.K. (*under review*) Post-traumatic stress disorder and neurocognitive impairment in a U.S. military cohort of persons living with HIV. *AIDS Care*.
3. Cherner, M., Halpin, L., **Watson, C.W-M.**, Minassian, A., Ellis, R. Heaton, R., Suarez, P., Bousman, C., Grant, I., & the TMARC Group. (*under review*) Adverse Effect of Catechol-O-Methyltransferase (COMT) Val158Met Met/Met Genotype in Methamphetamine-related Executive Dysfunction. *Addictive Behaviors*
4. Bertola, L., **Watson, C.W-M.**, Zahodne, L.B., Angevaare, M.J., Schupf, N.S., & Manly, J.J. (*under review*) Predictors of episodic memory performance across educational strata: multiple-group comparisons. *Journal of the International Neuropsychological Society*.
5. Angevaare, M.J., Geerlings, M.I., Bertola, L., Zahodne, L., **Watson, C.W-M.**, Schupf, N.S., Mayeux, R., & Manly, J.J. (*under review*) Predictors of incident MCI and its course in an ethnically diverse population-based cohort. *Neurology*.

## Manuscripts in Preparation

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1. **Watson, C.W-M.**, Marquine, M.J., Moore, R.C., Heaton, A., Perez-Tejada, A., Umlauf, A., Morgan, E.E., Hussain, M.A., Cherner, M., Ellis, R., Grant, I., & Heaton, R.K. (*in preparation*) Ethnic/racial differences in predictors of neurocognitive performance in adults living with HIV.
2. Hussain, M. A., Iudicello, J. E., **Watson, C. W-M.**, Morgan, E. E., Villalobos, J., Minassian A., Heaton, R. K., Grant, I. (*in preparation*). Effects of HIV, Methamphetamine (METH), and Age on a Novel Virtual Reality Measure of Everyday Functioning (The Virtual Reality Functional Assessment Tool – VRFCAT).
3. **Watson, C.W-M.**, Zahodne, L.B., Schupf, N., Tang, M., Brickman, A.M., & Manly, J.J. (*in preparation*). Socioeconomic and educational factors account for racial inequities in dementia risk.

## Paper and Poster Presentations

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1. **Watson, C.W-M.**, Pasipanodya, E., Ellorin, E.E., Corado, K.C., Flynn, R.P., Opalo, C., Lampley, E., Henry, B.L., Blumenthal, J.S., Bolan, R., Morris, Se., & Moore, D. (*submitted*) Barriers and Facilitators to PrEP Initiation and Adherence among Transgender and Gender Non-Binary Individuals in Southern California. National HIV Prevention Conference (NHPC), Atlanta, Georgia.
2. **Watson, C.W-M.**, Sundermann, E.S., Morgan, E.E., Ellis, R.J., Letendre, S., Heaton, R.K., & Grant, I. (*submitted*) Cannabis Exposure is Associated with Less Neurocognitive Impairment in Older HIV+ and HIV- Adults. International Neuropsychological Society (INS), New York, NY.
3. **Watson, C.W-M.**, Montoya, J.L., Iudicello, J.E., Villalobos, J., Heaton, R.K., Grant, I., & Morgan E.E. for the TMARC Group (2018) Alexithymia and emotion dysregulation are associated with worse psychosocial outcomes in methamphetamine users. Poster at American Academy of Clinical Neuropsychology (AACN), 16<sup>th</sup> Annual Meeting, San Diego, CA.
4. Morgan E.E., Hussain, M.A., Iudicello J.E., **Watson, C.W-M.**, Villalobos, J., Heaton, R.K., Grant, I. for the TMARC Group (2018) Poor Social Cognition Negatively Influences Methamphetamine Addiction Characteristics. Poster at American Academy of Clinical Neuropsychology (AACN), 16<sup>th</sup> Annual Meeting, San Diego, CA.
5. Iudicello, J.E., Morgan, E.E., Hussain, M.A., Henry, S.M., **Watson, C.W-M.**, Heaton, R.K., Grant, I. & the TMARC Group (2018). Emotional and psychosocial functioning are problematic in HIV and methamphetamine use and associated with significant functional and health-related outcomes Poster at the 16<sup>th</sup> Annual American Academy of Clinical Neuropsychology (AACN) Conference, San Diego, CA.
6. Noble, J.M., Burkett, S., Cheng, B., Chen, Y., Shariff, J. Celenti, R., **Watson, C.W-M.**, & Papapanou, P.N. (2018) Cross-sectional associations between human oral microbiome next generation sequencing and cognitive impairment in a multi-ethnic elderly population. Oral Presentation at International Human Microbiome Consortium (IHMC), 7<sup>th</sup> Annual Meeting, Killarney, Ireland.
7. **Watson, C.W-M.**, Iudicello J.E., Letendre, S., Morgan E.E., Kamat, R. Pérez-Santiago, J., Ellis, R.J., Heaton, R.K., & Grant, I. (2018) Plasma soluble CD14 is associated with apathy in adults with a history of methamphetamine dependence. Poster at Society of Biological Psychiatry (SOBP), 73<sup>rd</sup> Annual Meeting, New York City, NY.

8. Alakkas, A., Ellis, R.J., **Watson, C. W-M.**, Umlauf, A., Heaton, R.K., Letendre, S., Collier, A., Marra, C., Clifford, D.B., Gelman, B., Sacktor, N., Morgello, S., Simpson, D., McCutchan, J.A., Kallianpur, A., Gianella, S., Marcotte, T., Grant, I., & Fennema-Notestine, C. for the CHARTER Group. (2017) Cerebral volumetric and Metabolic Abnormalities in HIV-Associated Neurocognitive Disorders (HAND). Poster at American Neurological Association (ANA), 142<sup>nd</sup> Annual Meeting, San Diego, CA.
9. **Watson, C.W-M.**, Marquine, M.J., Moore, R.C., Heaton, A., Perez-Tejada, A., Umlauf, A., Morgan, E.E., Hussain, M.A., Cherner, M., Ellis, R., Grant, I., & Heaton, R.K. (2017) Racial/Ethnic Differences in Neurocognitive Performance among HIV-infected adults. Oral Presentation at American Psychological Association (APA), 125<sup>th</sup> Annual Meeting, Washington D.C.
10. Moore, R.C., Hussain, M.A., **Watson, C. W-M.**, Fazeli, P.L., Marquine, M.J., Yarns, B.C., Jeste, D.V., & Moore, D.J. (2017) Grit as a protective factor for optimizing cognitive and everyday functioning among adults living with HIV. Poster at International Workshop on HIV and Aging, 8<sup>th</sup> Edition, New York City, NY.
11. Hussain M., Iudicello J., Morgan EE, Villalobos J, **Watson C.W-M.**, Minassian A, Heaton R, Grant I, and the TMARC Group. (2017) Age-Related differences on the Virtual Reality Functional Capacity Assessment Tool (VRFCAT) in HIV infected (HIV+) and/or Methamphetamine dependent (METH+) adults. Oral Presentation American Psychological Association (APA), 125<sup>th</sup> Annual Meeting, Washington D.C. (\*Division 40-Clinical Neuropsychology Blue Ribbon Award)
12. **Watson, C.W-M.**, Manly, J.J., Brickman, A.M. & Zahodne, L.B. (2017) Racial discrimination is associated with cortical thinning in older African Americans. Poster at International Neuropsychological Society (INS), 45th Annual Meeting, New Orleans, LA.
13. Noble, J.M., **Watson, C.W-M.**, Papapanou, P.N. (2017) Cross-sectional associations between clinical and serological evidence of periodontal disease and cognitive impairment in a multi-ethnic elderly population. Poster at American Academy of Neurology (AAN), 69th Annual Meeting, Boston, MA.
14. **Watson, C.W-M.**, Zahodne, L.B., Schupf, N., Tang, M., Brickman, A.M. & Manly, J.J. (2016) Socioeconomic and Educational Factors Account for Racial Inequities in Dementia Incidence in a Community Dwelling Population. Oral Presentation at International Neuropsychological Society (INS), 44th Annual Meeting, Boston, MA.
15. Bertola, L., Zahodne, L.B., Angevaere, M., **Watson, C.W-M.**, Schupf, N., Manly, J.J. (2016) Sociodemographic and cognitive predictors of memory trajectories across educational groups. Oral Presentation at International Neuropsychological Society (INS), 44th Annual Meeting, Boston, MA.
16. Noble, J.M., **Watson, C.W-M.**, Burkett, S., Papapanou, P.N. (2015) Self-perceived versus Actual Oral Health Status among WHICAP Participants. Poster at International Association for Dental Research (IADR), 93rd General Session, Boston, MA.
17. Papapanou P.N., Burkett, S., **Watson, C.W-M.**, Noble, J.M. (2015) Oral Health Status among Elderly Participants in the WHICAP Study. Poster at International Association for Dental Research (IADR), 93rd General Session, Boston, MA.

## Book Chapters

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- Iudicello, J.E., Hussain M.A., **Watson, C.W-M.**, Morgan, E.E., & Heaton, R.K. (2018) HIV-Associated Neurocognitive Disorders (HAND). In R.A. Stern and M.L. Alosco (Eds.), *Oxford Handbook of Adult Cognitive Disorders*. New York, NY: Oxford University Press

## Journal Reviewer

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Ad HoC Reviewer – *Journal of Homosexuality* (2016 - present)

Ad HoC Reviewer – *Sex Roles: A Journal of Research* (2016 – present)

Ad HoC Reviewer – *Journal of Gerontology: Psychological Sciences* (2017 – present)

Ad HoC Reviewer – *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging* (2017 – present)

Ad HoC Reviewer – *Neuropsychology* (2017 – present)

Ad HoC Reviewer – *Health Psychology* (2018 – present)

## Training and Skills

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- Fluent in spoken and written Spanish
- Proficient in SPSS, STATA, JMP
- Proficient in Freesurfer for processing and analyzing MRI brain images
- Clinical Dementia Rating, CITI Good Clinical Practice, and HIPAA Certification