

CHRISTY L. HOM, PH.D., ABPDN

EDUCATION AND ACCREDITATION

Diplomate, American Board of Pediatric Neuropsychology • March 2014

Licensed Psychologist • 2004
State of California • PSY19889

Ph.D. Psychology / Clinical • 2002
University of Michigan, Ann Arbor

M.A. Psychology / Clinical • 1998
University of Michigan, Ann Arbor

B.A. Psychology, Concentration in Developmental Disabilities • 1994
University of California, Los Angeles • Magna Cum Laude

Co-investigator and Neuropsychologist

Effects of Childhood Maltreatment on Neurocircuitry in Adolescent Depression

National Institute of Mental Health R01MH108155-01A1 08/2017 - present

- \$3,162,000 R01 award over 5 years
- Neuroimaging and neuropsychological study to identify the structural and functional neural circuitry differences in depressed adolescents with and without a history of maltreatment.
- Principal Investigator: Uma Rao, MD

Co-investigator and Neuropsychologist

Biomarkers of Alzheimer's Disease in Adults with Down Syndrome

National Institute on Aging U01AG051412 09/2015 - present

- \$37,000,000 U01 award over 5 years
- Longitudinal and multidisciplinary determination of key biomarkers for Alzheimer Disease or dementia through a neurocognitive battery, levels and rates of change in blood based biomarkers such as β -amyloid peptides, protein and lipid profiles, and measures of amyloid and tau concentration in cerebrospinal fluid, as well as neuroimaging-based changes and genetic polymorphisms.
- Consortium investigation with University of California, Irvine; Columbia University; Kennedy Krieger Institute/Johns Hopkins University; Massachusetts General Hospital/Harvard University; University of North Texas Health Sciences Center; University of Pittsburgh; Banner Alzheimer's Institute; Cambridge University; Alzheimer's Disease Cooperative Study, San Diego; and University of Southern California.
- Principle Investigators: Ira T. Lott, MD, Nicole Shupf, Ph.D. Dr.PH., Wayne Silverman, Ph.D, and Benjamin Handen, Ph.D.

Co-investigator

Sensory Stimulation and Cognition in Older Adults

Department of Neurobiology and Behavior
University of California, Irvine

07/2015 - present

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- Investigation regarding the cognitive benefits of sensory stimulation in older adults.
 - Principal Investigators: Michael Leon, Ph.D. and Cindy Woo, Ph.D.
 - Train and supervise clinical psychology students in the administration and scoring of neurocognitive battery.

Assistant Clinical Professor

Department of Psychiatry and Human Behavior
University of California, Irvine

3/2012 - present

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- Perform neuropsychological assessments for children and adults with learning disabilities, ADHD, developmental disabilities, traumatic brain injury, epilepsy, dementia, status post ischemic stroke, and genetic disorders.
 - Supervise child and adolescent psychiatry fellows in their individual research projects
 - Supervise pre-doctoral psychology students and post-doctoral psychology fellows in the neuropsychological and psychological assessment of children, adolescents, and adults.
 - Teach seminars in research methods and statistics, neuropsychological assessment, intellectual disabilities, learning disabilities, Autism Spectrum Disorders, and Applied Behavior Analysis.
 - Perform psychological evaluations for cochlear implant candidates to determine each candidate's psychological and cognitive abilities and their family's ability to provide post-implantation follow-up and care.

Co-Investigator

UCI-ACCESS Partnership

Department of Family Medicine
University of California, Irvine

09/2014 - present

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- Primary Investigator: Charles Vega, M.D.
 - Study that assesses the mental health outcomes of low-income, minority youth who receive health and mentoring services through the Orange County Department of Education and UC Irvine's ACCESS clinics.
 - Mentors are UC Irvine medical students in the PRIME-LC program.

Neuropsychologist

A 4-Week Randomized, Double-Blind, Placebo-Controlled, Phase 2a Safety and Pharmacokinetic Study of Oral ELND005 in Young Adults With Down Syndrome Without Dementia

Division of Child Neurology, Department of Pediatrics

University of California, Irvine

7/2013 – 2/2014

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- Clinical trial funded by Elan Pharma International Limited.
 - Multi-site investigation with teams from Johns Hopkins University, Harvard University, and University of California, San Diego
 - Evaluate the safety, tolerability, and cognitive effects of this drug after exposure to ELND005 for 4 weeks. Conduct neuropsychological assessments to measure brief IQ, attention, reaction time, spatial working memory, visual memory, language skills, and fine motor skills using WAIS-IV, Rapid Assessment for Individuals with Developmental Disabilities – 2; Cognitive Drug Research (CDR); Neuropsychiatric Inventory; and Vineland Adaptive Behavior Scale-II.

Neuropsychologist

A Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Multiple Dose Study to Investigate Safety and Tolerability of RO5186582 in Individuals with Down Syndrome

Division of Child Neurology, Department of Pediatrics
University of California, Irvine

8/2011 – 12/2012

- Clinical trial funded by Hoffman-LaRoche Pharmaceuticals
- Multi-site investigation with teams from Duke University, Kennedy Krieger Institute, UC San Diego, Rush University, Emory University, University of Colorado, Barrow Neurological Institute, University of Arkansas, and Down Syndrome Research and Treatment Foundation.
- Evaluate the cognitive effects of this drug through repeat neuropsychological assessments that measure IQ, memory, and language skills (Stanford-Binet Intelligence Scales, 5th Edition; RBANS; Cambridge Neuropsychological Test Automated Battery (CANTAB); CELF Preschool 2; CELF-4; Vineland-II; Clinical Global Impression-Improvement; Anxiety, Depression and Mood Scale).

Clinical Advisory Board Member

Kids Institute for Development and Advancement (KIDA)

6/2011 – present

- Provide consultation regarding the services children with Autism and their families need to promote academic, psychological, and social well-being.

Director, Neurodevelopmental and Behavioral Clinic

University of California, Irvine

3/2007 – 6/2015

- Oversee an interdisciplinary clinic that evaluates individuals with developmental disabilities and psychiatric or behavioral disorders. Review patients' records at the Regional Center of Orange County and write the interdisciplinary team's comprehensive report and recommendations.
- Provide neuropsychological assessment, interpretation, and recommendations.
- Supervise clinical psychology graduate students in the administration, scoring, and interpretation of various psychological instruments.
- Assist and supervise UROP, ID-SURE, Research in Excellence, and Biology 199 students in their independent research projects.
- Oversee all research studies utilizing data from the clinic and perform statistical analyses needed for presentations and publications.

Psychologist II

Division of Child Neurology, Department of Pediatrics
University of California, Irvine

3/2007 – 2/2012

- Perform neuropsychological assessments for children and adults with learning disabilities, ADHD, or developmental disabilities.
- Perform psychological evaluations for cochlear implant candidates to determine each candidate's psychological and cognitive abilities and their family's ability to provide post-implantation follow-up and care.

Research Advisor

Self-Concept in Children with Down Syndrome

Department of Pediatrics

University of California, Irvine

6/2010 – 4/2012

- Research advisor to Sayoni Saha, a Whitney High School student

- This research study earned Sayoni Saha the 2012 Intel Science Talent Search finalist award in the category of Behavioral and Social Sciences.

Neuropsychologist

A Novel Treatment for Autism

Department of Neurobiology and Behavior • University of California, Irvine 5/2008 – 8/2009

- Principal Investigators: Michael Leon, Ph.D. and Cindy Woo, Ph.D.
- Examined the effects of a multisensory treatment package, including olfactory and tactile stimulation, over a 6-month period, on children with Autism ages 4-14 years old. Subjects' cognitive skills were assessed at baseline, 6 months, and 12 months.
- Provided neuropsychological consultation, assessment, and interpretation of test results.

Associate Director, Neuropsychology Laboratory

Child Development Center

Department of Pediatrics

University of California, Irvine

3/2005 – 3/2007

- Performed comprehensive neuropsychological assessments to evaluate children for learning disabilities and/or ADHD.
- Provided consultation and advocacy services to parents and teachers to ensure that clients received appropriate classroom, homework and testing accommodations.

Post-Doctoral Fellow

Health Psychology

Children's Hospital of Orange County

9/2002 – 12/2003

- Conducted comprehensive neuropsychological batteries to assess learning disabilities, ADHD, autism, and the long-term cognitive effects of cancer treatment.
- Provided individual and family therapy to patients diagnosed with conduct disorder, oppositional defiant disorder, ADHD, encopresis, depression, anxiety, autism, and a chronic medical condition/illness.
- Provided consultation and liaison services to physicians regarding patients' psychiatric diagnoses and their effects on medical condition/symptoms and treatment compliance.
- Provided on-call services for the assessment and disposition of suicidal and psychotic patients.
- Provided parent training and education using the Community Parent Education (COPE) model for parents of preschoolers with attention-deficit and hyperactivity issues.
- Provided consultation services to preschool teachers throughout Orange County regarding students with behavioral problems and behavioral management techniques.
- Using data from the NIMH Multimodal Treatment Study of Attention Deficit Hyperactivity Disorder (MTA) study, compared the effects of medication, medication combined with behavioral treatment, behavioral treatment, and community care on the positive and negative behaviors of children with ADHD and the moderating effects of gender.

Psychology Intern

Counseling and Psychological Services

University Of Michigan

8/2000 – 8/2001

- Conducted individual, couples, and family therapy with over 50 undergraduate and graduate students of various socioeconomic and cultural backgrounds. Client concerns ranged from depression, anxiety disorders, adjustment disorders, substance abuse, eating disorders, grief

and loss, development and identity issues, relationship concerns, family-of-origin issues, academic and career concerns to procrastination.

- Provided group therapy for individuals with anxiety disorders.
- Provided campus-wide crisis counseling services and interventions related to the deaths of students due to alcohol overdose and car accident.

Psychology Intern

University Center for the Child and the Family

University of Michigan

9/1999 – 8/2000

- Conducted child, family, and couples therapy with families of diverse socioeconomic and cultural backgrounds including international families. Client concerns included reactive attachment disorder, sibling relational problems, single-parenthood, depression, anxiety, cutting, substance use, promiscuity, ADD, being bullied, peer rejection, family member with a chronic medical condition, and marital conflicts.
- Performed neuropsychological assessments for children with learning disabilities, ADHD, and/or giftedness.
- Provided community interventions for teenagers and mothers in university family housing.

Practicum Therapist

Counseling and Psychological Services

University of Michigan

1/1998 – 6/1998

- Provided individual therapy with undergraduate and graduate students of various socioeconomic and cultural backgrounds, including multiracial and international students. Client concerns included depression, anxiety, adjustment, acculturation, family of origin, assertiveness, and interpersonal relational issues.

Practicum Therapist

McCauley Outpatient Mental Health Services • Ann Arbor, Michigan

1/1997 – 12/1997

- Provided individual and family therapy with diverse members of the community, ranging from low to high SES. Client concerns included single-parenting, parent-child conflicts, anger management, and depression.

Primary Investigator

The Academic, Psychological, and Behavioral Adjustment of Chinese Parachute Kids

University of Michigan

9/1997 – 1/2002

- Designed and conducted a study that examined the adjustment of Chinese parachute kids (unaccompanied minors) compared to immigrant and American-born Chinese adolescents.
- The study included 519 Chinese youth (160 parachute, 194 immigrant, 165 American-born) who were administered various questionnaires and interviewed in English and Chinese.

Graduate Student Research Assistant

The Transition to Adulthood Study

University of Michigan

05/1997 - 08/1998

- *Principal Investigators:* Harold Stevenson, Ph.D., Shin-Ying Lee, Ph.D.
- Helped develop coding system for interview data with students in four countries: China, Japan, Taiwan, and the U.S.

- Examined cultural differences in the transition from late adolescence to early adulthood.

Project Coordinator, Staff Research Associate II

Asian American Family Project

Department of Psychiatry & Biobehavioral Sciences

University of California, Los Angeles

10/1995 – 5/1996

- Coordinated NIMH funded project awarded to Kazuo Nihira, Ph.D. that examined the impact of having a developmentally disabled child on the family.
- Participated in instrument design. Trained and supervised field interviewers. Recruited subjects. Conducted home interviews with Asian American parents of children with developmental disabilities. Coded quantitative and qualitative data.

Project Coordinator

Chinese Fathers Project • Department of Psychiatry & Biobehavioral Sciences

University of California, Los Angeles

10/1995 – 5/1996

- Coordinated NIMH funded project awarded to Iris Mink, Ph.D. that examined the roles and experiences of Chinese American fathers in parenting.
- Trained and supervised field interviewers and the collection of data. Recruited subjects.

Behavioral Therapist

Neurobehavioral Unit

Kennedy Krieger Institute, Johns Hopkins University School of Medicine

7/1994 – 10/1995

- Designed and implemented behavioral treatments for children with severe behavioral disorders and developmental disabilities including aggression, property destruction, self-injury, oppositional defiant disorder, conduct disorder, borderline personality features, Lesch-Nyhan disease, rumination disorder, encopresis, PDD, cerebral palsy, and feeding disorders.
- Conducted various behavioral assessments including functional analyses, stimulus preference, and stimulus avoidance.
- Provided behavioral program training for parents and school staff.

Los Angeles – Site Project Coordinator

Re-Norming The Early Adolescent – Home Observation Measurement For The Environment (HOME)

University Of Arkansas, Little Rock

10/1993 – 6/1994

- NIMH grant awarded to Robert Bradley, Ph.D.
- Coordinated the Los Angeles site of a multi-site research project designed to develop new norms for the HOME using a diverse sample of Caucasians, Asians, Latinos, and African American families.
- Trained and supervised field interviewers. Recruited and interviewed families with children ages 12-14 throughout Southern California.

Ethnographic Interviewer

Ecocultural Scale Project

12/1995 – 5/1996;

Department of Psychiatry and Biobehavioral Sciences, UCLA

1/1994 – 6/1994

- NIMH funded project awarded to Thomas Weisner, Ph.D., Kazuo Nihira, Ph.D., Lucinda Bernheimer, Ph.D.
- Participated in the development of the Ecocultural Family Interview, a measure designed to access the impact of a developmentally disabled child on the family.

- Conducted in-home, in-depth, semi-structured interviews with families of children with developmental delay. Coded interviews and field observations.

PRESENTATIONS AND PUBLICATIONS

16. Hom, C.L., Walsh, D., Doran, E., and Lott, I.T. (in press). The Rapid Assessment for Developmental Disabilities. In V.P. Prasher (Ed.), *Neuropsychological Assessment of Dementia in Down Syndrome and Intellectual Disabilities, Second Edition*. London: Springer.
15. Choi, K. and Hom, C. L. (2016). Comparison of Parental and Gestational Age Risk Factors Associated with Autism Spectrum Disorder (ASD), Intellectual Disability (ID), and Co-occurring ASD and ID. Poster presentation at the 49th Annual Gatlinburg Conference, San Diego, CA.
14. Hom, C. L., Nguyen, V., Fernandez, G., Touchette, P., Tournay, A., Plon, L, Lott, I. T., and Himber, P. (2015). The Relationship Between Living Arrangement and Adherence to Antiepileptic Medications Among Individuals with Developmental Disabilities. *Journal of Intellectual Disabilities Research*, 59 (1): 48-54. doi: 10.1111/jir.12123.
13. Saha, S., Doran, E., Osann, D., Hom, C. L., Movsesyan, N., Rosa, D. D., Tournay, A., and Lott, I. T. (2014). Self-concept in Children with Down Syndrome. *American Journal of Medical Genetics*, 164(8), 1891-1899. doi: 10.1002/ajmg.a.36597.
12. Hom, C. L., Nguyen, V., Touchette, P., Plon, L., Fernandez, G., Tournay, A., and Lott, I. T. (2012). Antiepileptic Prescription Adherence in a Large Population of Community-Based Individuals with Intellectual Disability. Poster presentation at the 41st Annual Meeting of the Child Neurology Society, Huntington Beach, CA.
11. Woo, C.C., Hingo, E.E., Hom, C., Lott, I., and Leon, M. (2010). Environmental Enrichment As A Potentially Effective Autism Treatment. Presentation at the 2010 Society for Neuroscience conference, San Diego, CA.
10. Chiang-Hom, C. (2009). Parachute Kids. In H. Ling and A. Austin (Eds.), *Asian America History and Culture: An Encyclopedia*. New York: M.E. Sharpe.
9. Chiang-Hom C. (2004). Transnational cultural practices of Chinese immigrant youth and parachute kids. In J. Lee and M. Zhou (Eds.), *Asian American Youth: Culture, Identity, and Ethnicity* (pp. 143-158). New York: Routledge.
8. Chiang-Hom, C.L. (2001). Beamers And Benzes: Deconstructing myths about parachute kids. Paper presentation at the annual Association for Asian American Studies conference, Toronto, ON.
7. Chiang-Hom, C. L. (2000). The impact of parachute immigration on Chinese adolescents and their families. Poster presentation at the annual Kansas Child Clinical Conference, Lawrence, KS.
6. Chiang-Hom, C. L., Lim, J., & Hsieh, T.Y. (2000). Substance use and antisocial behaviors among Asian American parachute, immigrant, and US-born adolescents. Poster presentation at the 8th biennial meeting of the Society for Research on Adolescence, Chicago, IL.

5. Chiang-Hom, C.L. & Stevenson, H. (1998). Adolescents' self-concepts, values, and psychological maladjustment: A comparison between Asian American, European American, and East Asian high school students. Unpublished master's thesis: University of Michigan.
4. Mink, I. T., Nihira, K., Shieh, B., Chang, D., Von Mayerhauser, C., & Chiang, C.L. (1996). Chinese American fathers and mothers: Views on family life and mental retardation. Paper presented at the annual convention of the American Association for Mental Retardation, San Antonio, TX.
3. Fisher, W., Piazza, C., & Chiang, C. L. (1996). Effects of equal and unequal reinforcer duration during a functional analysis. *Journal Of Applied Behavior Analysis*, 29, 117-120.
2. Jung, J., Chiang, C. L., Bowman, L. G., & Fisher, W. W. (1995). Analysis of the stability of forced-choice stimulus preference results over time. Poster presentation at the annual convention of the Association for Behavior Analysis, Washington, DC.
1. Chiang, C. L. (1994). Chinese-American maternal attitudes toward mainstreaming. *Golden State Archives*, 23, 33-39.

SEMINARS AND LECTURES

UCI Department of Psychiatry and Human Behavior

Research and Statistical Methods

Autistic Spectrum Disorders

Intellectual and Learning Disabilities

Applied Behavioral Analysis

Neuropsychological Assessment

Non-UCI

Dalian Medical University – Dalian, China

May 15, 2013

Dalian Wanjuan Autistic Recovery Center – Dalian, China

May 16-18, 2013

University of Michigan Harold Korn Symposium

May 19, 2012

HONORS AND AWARDS

University of Michigan One-term Dissertation Grant	2002
The Chiang Ching-Kuo International Foundation Dissertation Fellowship	2000 – 2001
The Harold Korn Endowment	2000 – 2001
University of Michigan, Department of Psychology Clinical Research Assistance Funds	2000
University of Michigan, Office of Multicultural Affairs Research Grant	2000
University of Michigan Discretionary Fund Grant	1998
University of Michigan, Department of Psychology Dissertation Grant	1998
The Barbara A. Oleshansky Memorial Award	1998
University of Michigan Summer Research Grant	2000 • 1998 • 1997
University of Michigan Regents Fellowship	1996 – 1998

PROFESSIONAL MEMBERSHIPS

American Academy of Clinical Neuropsychology

American Academy of Pediatric Neuropsychology
American Psychological Association, Division 40: Society for Clinical Neuropsychology
National Academy of Neuropsychology
National Register of Health Service Psychologists

EXPERT WITNESS CASES

Irvine Unified School District vs. Yuen	2013
Simmons vs. New Vista School	2015
Rodriguez vs. Carranza	2015
Chammas et al. vs. Colton Joint Unified School District	2015
Pech vs. City of Anaheim	2017