

Hassan Habib López

Department of Psychology
Skidmore College
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EDUCATIONAL BACKGROUND

Ph.D., Psychology, University of California at Santa Barbara (1995-2001)
Dissertation: *The Biopsychology of Sexual Motivation in the Male Rat: Effects of Primary and Secondary Incentives*

B.A., Psychology, Harvard University (1991-1995)
Senior Honors Thesis: *The Effects of Brief Social Isolation on Pain Sensitivity*

PROFESSIONAL EMPLOYMENT

Skidmore College, Saratoga Springs, NY
Full Professor, Department of Psychology (2019-present)
Associate Professor, Department of Psychology (2011-2019)
Assistant Professor, Department of Psychology (2005-2011)

University of California, Santa Barbara, CA
Lecturer, Full-time, Department of Psychology (2003-2005)
Teaching Associate, Department of Psychology (Summer 1999, 2000, 2001)

Hawai'i Pacific University, Honolulu, HI
Adjunct Faculty, Part-time, Department of Psychology (Spring, Fall 2002)

US Department of Veterans Affairs, National Center for PTSD, Honolulu, HI
Research Psychobiologist, Grade 12-1 (December 2001 – November 2002)

TEACHING EXPERIENCE (* denotes laboratory course)

Skidmore College, Saratoga Springs, NY
Department of Psychology & Neuroscience Program
Neuroscience 101: Introduction to Neuroscience*
Neuroscience 277: Integrative Seminar in Neuroscience
Psychology 102: Colloquium in Psychological Science
Psychology 212: Psychopharmacology of Recreational Drugs
Psychology 213: Hormones & Behavior
Psychology 221: Clinical Psychopharmacology

Psychology 304: Physiological Psychology*
Psychology 376H: Senior Research Project II
Psychology 378H: Honors Senior Seminar
IdeaLab 306: Tabletop Game Design*
First-Year Seminar: Love & Lust – the Biopsychology of Sexual Desire
Skidmore Scholars in Science and Mathematics (S³M) Summer Laboratory
Module: Sex & Hormones*
Opportunity Program Summer Academic Institute, Pre-FYS: Human
Dilemmas

University of California, Santa Barbara, CA
Department of Psychology

Psychology 106: Brain and Behavior
Psychology 115: Neuropharmacology of Psychoactive Drugs
Psychology 116: Conditioning and Learning
Psychology 116L: Laboratory in Animal Learning*
Psychology 122: Motivation
Psychology 133: Psychopharmacology: Psychotherapeutic Drugs
Psychology 134: Psychopharmacology: Drugs of Abuse
Psychology 137: Behavioral Endocrinology
Psychology 137L: Laboratory in Behavioral Endocrinology*
Psychology 163HL: Human Sexual Behavior

Hawai'i Pacific University, Honolulu, HI
College of Liberal Arts

Psychology 2000: Principles of Psychology

PEER-REVIEWED PUBLICATIONS (* Skidmore undergraduate)

Cossio D*, Stadler H*, Michas Z*, Johnston C*, and **López HH** (2020). Disrupting the endocannabinoid system during early adolescence: effects of sociability. *Pharmacology, Biochemistry, & Behavior*, 188, 172832.

Pelz MC*, Schoolcraft KD*, Larson C*, Spring MG*, and **López HH** (2017). Assessing the role of serotonergic receptors in cannabidiol's anticonvulsant efficacy. *Epilepsy & Behavior*, 73: 111-118.

Spring MG*, Schoolcraft KD*, and **López HH** (2016). The effects of adolescent cannabinoid exposure on seizure susceptibility and lethality in adult male rats. *Neurotoxicology & Teratology*, 58: 101-106.

Minney SM* and **López HH** (2013). Adolescent cannabinoid treatment negatively affects reproductive behavior in female rats. *Pharmacology, Biochemistry, & Behavior*, 112: 82-88.

Chadwick B*, Saylor A, and **López HH** (2011). Adolescent cannabinoid exposure attenuates adult female sexual motivation but does not alter adulthood CB1R

expression or estrous cyclicity. *Pharmacology, Biochemistry, & Behavior*, 100: 157-164.

López HH (2010). Cannabinoid-hormone interactions in the regulation of motivational processes. *Hormones & Behavior*, 58: 100-110.

López HH, Zappia K*, Cushman C*, and Chadwick B* (2010). Acute cannabinoid administration attenuates female socio-sexual motivation. *Pharmacology, Biochemistry, & Behavior*, 94: 482-487.

López HH, Hay AC*, and Conklin PH* (2009). Attractive men induce testosterone and cortisol release in women. *Hormones & Behavior*, 56: 84-92.

Rosen ML* and **López HH** (2009). Menstrual cycle shifts in attentional bias for courtship language. *Evolution and Human Behavior*, 30: 131-140.

López HH, Webb SA*, and Nash S* (2009). Cannabinoid receptor antagonism increases female sexual motivation. *Pharmacology, Biochemistry, and Behavior*, 92: 17-24.

Nofrey B, Rocha B, **López HH**, and Ettenberg A (2008). The effects of sexual experience and estrus on male-seeking motivated behavior in the female rat. *Physiology & Behavior*, 95: 533-538.

López HH, Wurzel G*, and Ragen B* (2007). The effect of acute bupropion on sexual motivation and behavior in the female rat. *Pharmacology, Biochemistry, and Behavior*, 87: 369-379.

Bracha HS, Ralston T, Yamashita J, Nelson G, **López HH**, and Cummings T (2003). Stressful experiences in children and adolescents: initial report from the PSEI-NCPV Honolulu study. *Hawaii Medical Journal*, 62: 53-58.

Lopez HH, Bracha AS, and Bracha S. (2002). Evidence based complementary intervention for insomnia. *Hawaii Medical Journal*, 61: 162-163.

Bracha HS, **López HH**, Flaxman NA, Lloyd-Jones JL, Bracha AS, and Ralston T (2002). Can enamel serve as a useful clinical marker of childhood stress? *Hawaii Dental Journal*, 33: 9-10.

López HH and Ettenberg A (2002). Exposure to female rats produces differences in c-fos induction between sexually-naïve and experienced male rats. *Brain Research*, 947: 57-66.

López HH and Ettenberg A (2002). Sexually-conditioned incentives: attenuation of motivational impact during dopamine receptor antagonism. *Pharmacology, Biochemistry, and Behavior*, 72: 65-72.

López HH and Ettenberg A (2001). Dopamine antagonism attenuates the unconditioned incentive value of estrous female cues. *Pharmacology, Biochemistry, and Behavior*, 68: 411-416.

López HH and Ettenberg A (2000). Haloperidol challenge during copulation prevents subsequent increase in male sexual motivation. *Pharmacology, Biochemistry, and Behavior*, 67: 387-393.

López HH, Olster DH, and Ettenberg A (1999). Sexual motivation in the male rat: the role of primary incentives and copulatory experience. *Hormones and Behavior*, 36: 176-185.

OTHER PUBLICATIONS (* Skidmore undergraduate)

Lavoie M*, Toma R*, Phillips F, & **López HH** (2018). Effects of post-weaning social isolation and oxytocin on adult anxiety and sociability in female rats. *IMPULSE*, 2018: 1-15.

Brook SI*, **López HH**, and Saylor A (2013). Chronic cannabinoid treatment in adolescence attenuates c-Fos expression in nucleus accumbens of adult estrous females. *IMPULSE*, 2013: 1-15.

López HH (2008). Prozac. In RJ Giguere (Ed.), *Molecules that Matter* (pp. 142-157). Saratoga Springs, NY: The Frances Young Tang Teaching Museum and Art Gallery.

CONFERENCE PRESENTATIONS & INVITED TALKS (* Skidmore undergraduate)

López HH (November 2023). *Undergraduate laboratory course in behavioral neuroscience*. Poster presented at the Society for Neuroscience annual meeting, Washington, D.C.

López HH (November 2022). Pharmacological attenuation of distress reduces altruistic behavior in the trapped rat paradigm. Invited talk presented at the Society for Neuroscience annual meeting, Press Conference on Social Behavior, San Diego, CA.

Saraceno E*, Restifo-Bernstein G*, Wyse M*, Hough F*, and **López HH** (November 2022). Pharmacological attenuation of distress reduces altruistic behavior in the trapped rat paradigm. Poster presented at the Society for Neuroscience annual meeting, San Diego, CA.

Hicks K*, Witmer R*, Cambi X*, Barnett M*, Blunt E*, Rette D*, Nidorf S*, and **López HH** (November 2021). Do gonadal hormones mediate sex differences in sociability? Poster presented at the Society for Neuroscience annual meeting, Chicago, IL.

Johnston C*, Michas Z*, Stadler H*, Lyons-Potter O*, Hicks K*, Witmer R*, and **López**

HH (October 2019). Effects of a FAAH inhibitor on sociability and social novelty preference in adolescent male and female rats. Poster presented at the Society for Neuroscience annual meeting, Chicago, IL.

Johnston C*, Michas Z*, Stadler H*, Lyons-Potter O*, Cambi X*, Barnett M*, and **López HH** (October 2019). Effects of an oxytocin antagonist on sociability and social novelty preference in adolescent rats. Poster presented at the Society for Neuroscience annual meeting, Chicago, IL.

Cossio D*, Michas Z*, Stadler H*, Johnston C*, and **López HH** (November 2018). *Disrupting the endocannabinoid system during adolescence: effects on anxiety & sociability*. Poster presented at the Society for Neuroscience annual meeting, San Diego, CA.

Lavoie M*, Toma R*, Phillips F, and **López HH** (November 2017). *Effects of post-weaning social isolation & oxytocin on adult sociability*. Poster presented at the Society for Neuroscience annual meeting, Washington, DC.

Lavoie M*, Phillips F, Egan E, and **López HH** (November 2016). *Assessment of social and sexual motivation in female rats*. Poster presented at the Society for Neuroscience annual meeting, Faculty for Undergraduate Neuroscience (FUN) session. San Diego, CA.

Spring MG*, Schoolcraft KD*, and **López HH** (October 2015). *Effects of adolescent cannabinoid exposure on adult seizure susceptibility and lethality*. Poster presented at the Society for Neuroscience annual meeting, Chicago, IL.

López HH and Spring MG* (November 2014). *Undergraduate laboratory course in physiological psychology*. Poster presented at the Society for Neuroscience annual meeting, Washington, D.C.

Minney SM*, Bind R*, Pelz M*, Rosenfeld S*, and **López HH** (November 2013). *Does estrogen modulate the long-term impact of adolescent cannabinoid exposure on adult female socio-sexual behavior?* Poster presented at the Society for Neuroscience annual meeting, San Diego, CA.

Brook SI*, Minney SM*, Forte J*, and **López HH** (October 2012). *The long-term, detrimental effects of adolescent and adult cannabinoid exposure on object memory*. Poster presented at the Society for Neuroscience annual meeting, New Orleans, LA.

López HH (January 2012). *Neurological and hormonal correlates of female sexual interest*. Invited research talk at Union College, Schenectady, NY.

Brook SI*, **López HH**, and Saylor A (November 2011). *The effects of chronic cannabinoid exposure during adolescence on c-fos expression in brain areas that*

mediate sexual motivation in adult female rats. Poster presented at the Society for Neuroscience annual meeting, Washington, D.C.

Chadwick B*, Saylor A, and **López HH** (November 2010). *Chronic cannabinoid exposure during female juvenile development attenuates adult sexual incentive motivation.* Poster presented at the Society for Neuroscience annual meeting, San Diego, CA.

Zappia K*, Chadwick B*, Possidente B, and **López HH** (October 2009). *Chronic cannabinoid exposure during juvenile development: effects on male sexual behavior & circadian rhythms.* Poster presented at the Society for Neuroscience annual meeting, Chicago, IL.

López HH, Cushman C*, Chadwick B*, and Zappia K* (November 2008). *The effect of acute and chronic cannabinoid administration on female sexual motivation.* Poster presented at the Society for Neuroscience annual meeting, Washington, DC.

López HH (November 2008). *Undergraduate laboratory in behavioral neuroscience.* Poster presented at the Society for Neuroscience annual meeting, Washington, DC.

López HH, Webb SA*, and Nash S* (November 2007). The effect of a cannabinoid antagonist on sexual motivation and proceptivity in female rats. Poster presented at the Society for Neuroscience annual meeting, San Diego, CA.

Rosen ML* and **López HH** (June 2007). *Menstrual cycle effects on attentional bias towards mate-relevant information.* Poster presented at the Human Behavior and Evolution Society annual meeting, Williamsburg, VA.

López HH, Wurzel G*, and Ragen B* (October 2006). *The effect of acute bupropion on sexual motivation and behavior in female rats.* Poster presented at the Society for Neuroscience annual meeting, Atlanta, GA.

Nofrey B, **López HH**, and Ettenberg A (October 2006). *Measuring the sexual motivation of female rats in an operant runway.* Poster presented at the Society for Neuroscience annual meeting, Atlanta, GA.

López HH (June 2006). *The Prozac Mystique.* Invited talk given as part of *Molecules that Matter* symposium, Skidmore College, Saratoga Springs, NY.

López HH (May 2001). *The biopsychology of male sexual motivation: effects of primary and secondary incentives.* Invited talk given to Psychology Department, University of California, Santa Barbara, CA.

López HH and Ettenberg A (November 2000). *Dopamine antagonism attenuates the unconditional incentive value of female cues.* Poster presented at the Society for Neuroscience annual meeting, New Orleans, LA.

López HH (May 2000). *The dopaminergic regulation of male sexual motivation*. Invited talk at the International Behavioral Development Symposium, Minot, ND.

López HH (May 2000). *The biopsychology of male sexual motivation*. Invited talk at Developmental and Evolutionary Psychology departmental seminar, University of California, Santa Barbara, CA.

López HH and Ettenberg A (August 2000). *Male sexual motivation: dopaminergic regulation of primary and secondary incentives*. Poster presented at the Society for Behavioral Neuroendocrinology annual meeting, Madrid, Spain.

López HH, Olster DH, and Ettenberg A (November 1998). *The effects of sexual experience upon sexual motivation in the male rat*. Poster presented at the Society for Neuroscience annual meeting, Los Angeles, CA.

López HH (June 1997). *Social and sexual motivation in the male rat*. Invited talk at the annual UCSB NRI Symposium, University of California, Santa Barbara, CA.

López HH (May 1997). *Social and sexual motivation in the male rat*. Invited talk at the annual UCSB Psychology Department Mini-Convention, University of California, Santa Barbara, CA.

López HH, Olster DH, and Ettenberg A (November 1996). *Social and sexual motivation in the male rat*. Poster presented at the Society for Neuroscience annual meeting, Washington, D.C.

GRANTS

Can oxytocin rescue social deficits induced by adolescent endocannabinoid disruption?
Faculty/Student Summer Collaborative Research Grant
Skidmore College, Summer 2018
Collaborators: H Stadler (NS '19) & C Johnston (NS '19)
Amount awarded: \$11,755

Developing a method to assess sociosexual motivation in rodents
Faculty/Student Summer Collaborative Research Grant
Skidmore College, Summer 2016
Collaborators: M Lavoie (NS '17)
Amount awarded: \$5,613

Gift of cannabidiol (CBD; Schedule I drug compound) from GW Pharmaceuticals
Skidmore College, Spring 2016

Exploring the anti-seizure effects of cannabidiol, part II
Faculty Development Grant

Skidmore College, December 15, 2015 – August 31, 2016
Amount awarded: \$1,500

Gift of cannabidiol (CBD; Schedule I drug compound) from GW Pharmaceuticals
Skidmore College, Summer 2015

How does cannabidiol reduce seizure activity?
Faculty/Student Summer Collaborative Research Grant
Skidmore College, Summer 2015
Collaborators: K Schoolcraft (PS/NS '16)
Amount awarded: \$3,790

Examining the anti-seizure effects of cannabidiol
Faculty Development Grant
Skidmore College, December 15, 2014 – August 31, 2015
Amount awarded: \$1,800

Detrimental effects of adolescent cannabinoid exposure on brain function linked to female reproductive behavior
Faculty Development Grant
Skidmore College, May 1, 2012 – December 31, 2012
Amount awarded: \$1,800

The pharmacology of fear
Faculty Development Grant
Skidmore College, November 22, 2010 -August 31, 2011
Amount awarded: \$1,800

The effect of juvenile cannabinoid exposure on female sexual motivation & estrous cyclicity
Faculty Development Grant
Skidmore College, June 1-December 31, 2009
Amount awarded: \$1,500

The effect of acute and chronic cannabinoid administration on female sexual motivation
Faculty/Student Summer Collaborative Research Grant
Skidmore College, Summer 2008
Collaborators: Cushman C (NS/PS '09) and Chadwick B (NS/PS '10)
Amount awarded: \$7,689

The role of endogenous cannabinoids in female sexual motivation
Faculty/Student Summer Collaborative Research Grant
Skidmore College, Summer 2007
Collaborators: Webb S (NS '08) and Nash S (NS '08)
Amount awarded: \$10,724

Neurochemical regulation of female sexual motivation

Faculty/Student Summer Collaborative Research Grant
Skidmore College, Summer 2006
Collaborators: Wurzel G (NS '07) and Ragen B (NS '08)
Amount awarded: \$12,000

UNDERGRADUATE HONORS THESIS SUPERVISION (*Skidmore College*)

Ellie Ketterer-Sykes (NS '24). *Anxiolytic and anxiogenic compounds impact altruistic behavior by affecting emotional contagion.*

Franny Hough (PS '22), Gabriella Restifo-Bernstein (PS/NS '22), Elisabeth Saraceno (NS '22), Maya Wyse (NS '22). *Does pharmacological manipulation of distress impact altruistic behavior?*

Emily Blunt (PS/NS '21), Sam Nidorf (NS '21), Dean Rette (NS '21). *Does testosterone or estradiol mediate the sex difference in sociability between male and female rats? (part II)*

Meaghan Barnett (PS '20), Xavier Cambi (NS '20), Kate Hicks (NS '20), Ruth Witmer (NS '20). *Does testosterone or estradiol mediate the sex difference in sociability between male and female rats?*

Colin Johnston (NS '19), Zoe Michas (PS/NS '19), Henry Stadler (NS '19). *The effects of oxytocin antagonists and FAAH inhibitors on social motivation & memory.*

Daniela Cossio (NS '18). *Disrupting the endocannabinoid system during adolescence: effects on adult sociability.*

Morgan Lavoie (NS '17). *The effects of adolescent social isolation on adult social behavior & anxiety: role of oxytocin.*

Kathleen Schoolcraft (NS/PS '16). *The role of 5-HT1A and 5-HT2A in the anticonvulsant effect of cannabidiol.*

Madeline Pelz (NS '14). *The role of serotonergic signaling in the anticonvulsant properties of cannabidiol.*

Sarah Minney (NS '13). *The effects of adolescent estrogen and cannabinoid treatment on adult female socio-sexual behavior.*

Sara Watchko (PS '13). *Sex ratio and sexual decision making.*

Samuel Brook (NS '12). *The long-term, detrimental effects of adolescent and adult cannabinoid exposure on object memory.*

Rachelle Oldmixon (NS/PS '11). *The effects of acute stress on female mate preference.*

Benjamin Chadwick (NS/PS '10). *Chronic adolescent CP-55,940 exposure inhibits adult female sexual incentive-motivation without altering estrous cyclicity.*

Katherine Zappa (NS '09). *The effects of the synthetic cannabinoid, CP 55,940, on female sexual motivation: interactions with the opioid system.*

Aleena Hay (PS '08). *Rapid endocrine responses in women to attractive men.*

Benjamin Ragen (NS '08). *Cannabinoid regulation of sexual reward in female rats.*

Gabriel Wurzel (NS '07). *The effect of acute stress and buspirone on sexual motivation in female rats.*

Maya Rosen (NS '07). *Menstrual cycle effects on attention to mate-relevant information.*

AWARD, HONORS & FELLOWSHIPS

Annual Jon A. Ramsey Memorial Lecture, Skidmore College, February 2024.

IdeaLab Innovative Pedagogy Award, Skidmore College, January 2023.

Ralph A. Ciancio Award for Excellence in Teaching, Skidmore College, April 2021.

Outstanding Educator, awarded by Residence Halls Association & Office of Residential Life, University of California, Santa Barbara, 2003-2004.

Ford Foundation Minority Doctoral Fellowship, University of California, Santa Barbara, 2000-2001.

National Science Foundation Graduate Fellowship, University of California, Santa Barbara, 1996-1999.

Towbes Graduate Fellowship, University of California, Santa Barbara, 1995-2001.

University of California Regents Fellowship, University of California, Santa Barbara, 1995, 2000.

John Harvard Scholarship for Academic Excellence, Harvard University, 1993-1995.

PROFESSIONAL AFFILIATIONS & SERVICE

Affiliations

Nu Rho Psi National Honor Society in Neuroscience (2014-present)

Society for Neuroscience (1995-2001; 2005-present)
Faculty for Undergraduate Neuroscience (2005-present)
Human Behavior & Evolution Society (2005-2008)
Society for Behavioral Neuroendocrinology (2005-2008)

Ad Hoc Reviewer (selected list)

Pharmacology, Biochemistry, & Behavior
Physiology & Behavior
Hormones & Behavior
Behavioural Brain Research
Journal of Sexual Medicine
Evolutionary Psychology
Movement Disorders

SERVICE & COMMITTEE WORK (*Skidmore College*)

Leadership Positions & College Service

Institutional Animal Care & Use Committee (IACUC; member 2005-2012; Chair, Spring 2016, 2018-2022)
Committee on Academic Standing (CAS; 2019-2022; Chair, 2020-2022)
Chair, Neuroscience Program Personnel Committee (2017-2018)
Associate Director, Neuroscience Program (2016-2018; 2020-2021; 2023-2024)
Instructor, Skidmore S³M Program (Summers 2009, 2010, 2011, 2012, 2013, 2017)
COACHE collaborators working group (Fall 2016)
Chairs Advisory Group (Spring 2015)
Instructor, Skidmore Opportunity Program (Summers 2014, 2015)
Science Planning/Facility Groups (2011-2015)
Director, Neuroscience Program (2011-2015)
Faculty speaker in Mature Learner's Series (Fall 2012)
Honor's Forum Council (2009-2012)
Science Working Group (Spring 2008)
Institutional Resources Committee (Fall 2006)
Faculty speaker at *Molecules that Matter* symposium (Spring 2006)

Department & Program Service

Neuroscience Program Steering Committee (2005-present)
Neuroscience Program representative at Admissions events (2005-current)
Psychology Department Senior Thesis Coordinator (2016-2020; 2023-2024)
Neuroscience Administrative Assistant Search Committee (Spring 2015)
Neuroscience Program External Review Chair (2013-2014)
Psychology Department Search Committees (Fall 2012; Fall 2013)
Neuroscience Program Self-Study Chair (2012-2013)
Neuroscience Program Search Committees (Chair, 2011-2012; Chair, 2014-2015)
Psychology Department Assessment Committee (2010-2012)
Psychology Department Participant Review Board (Spring 2009)
Psychology Department, Chemical Hygiene Officer (2008-present)

Psychology Department Budget Committee (2007-2008; 2009-2010)
Psychology Department Colloquium Committee (2005-2007)

BOARD GAME DESIGN & PUBLICATION

Published Board Games

MANIACAL (2019). Strategy board game. Published by Eagle-Gryphon Games.

Clockwork Wars (2015). Strategy board game. Published by Eagle-Gryphon Games.

Invited Talks

Clockwork Wars: a design story (November 2015). Northshire Bookstore, Saratoga Springs, NY

Game Design: engineering systems of fun (April 2015). Invited lecture in Professor Chris Chabris' course on game design, "Fair Game." Union College, Schenectady, NY.

Clockwork Wars: designing a steampunk wargame (April 2015). Invited lecture in Professor Chris Chabris' course on game design, "Fair Game." Union College, Schenectady, NY.