

Marcelo A. Wood, Ph.D.

Curriculum Vitae

February, 2023

Current Appointment: **Professor and Chair**
University of California, Irvine
Department of Neurobiology and Behavior
School of Biological Sciences

School of Biological Sciences Endowed Chair
Department of Neurobiology and Behavior

UCI Center Memberships: UC Irvine Center for Addiction Neuroscience
Center for the Neurobiology of Learning and Memory, UCI
Institute for Memory Impairments and Neurological Disorders, UCI
Center for Epigenetics and Metabolism, UCI
Director,
Member,
Member,
Member,

Education:
1990-1995 B.S., University of Colorado, Chemical Engineering

1995-2000 Ph.D., Princeton University, Department of Molecular Biology
 Advisor: Michael D. Cole, PhD

2001-2005 Postdoc, University of Pennsylvania, Department of Biology
 Advisor: Ted Abel, PhD

Research Experience:

1990-1995	B.S., Dept. of Chemical & Biological Engineering, University of Colorado, Advisor: Dr. Tom Bruno, “Applying alternative refrigerants”
1995-2000	Ph.D., Dept. of Molecular Biology, Princeton University, Advisor: Dr. Michael D. Cole, “The identification and characterization of novel c-Myc cofactors essential for c-Myc-mediated transformation”
2001-2005	Postdoctoral Fellow, Dept. of Biology, University of Pennsylvania, Advisor: Dr. Ted Abel, “The role of CBP and histone acetylation in memory storage and synaptic plasticity”
2006-2011	Assistant Professor, Dept. of Neurobiology and Behavior, University of California, Irvine
2011-2015	Associate Professor, Dept. of Neurobiology and Behavior, University of California, Irvine
2015-present	Professor, Dept. of Neurobiology and Behavior, University of California, Irvine

Teaching Experience:

2006	Neuroscience: Fundamental Concepts and Current Applications, N112A (undergraduate course; ~30 students)
2007-2010	Freshman Seminar: From Molecules to Memory, Bio Sci 2B (undergraduate course; ~15 students)
2007-present	From DNA to Organisms, Bio Sci 93 (undergraduate course; ~1000 students)
2008-present	Chromatin Structure and Function, Bio Chem 225 (graduate course; ~20-30 students)
2009	Neuroscience: Fundamental Concepts and Current Applications, N112B (undergraduate course; ~30 students)
2011	Molecular Mechanisms of Memory, N156 (undergraduate course; ~50 students)
2011	Neuroscience: Fundamental Concepts and Current Applications, N112A (undergraduate course; ~30 students)
2011-2014	Responsible Conduct of Research, MMG250 (graduate course; ~15 students)
2011-2013	INP Foundations of Neuroscience, NB202A, NB202B (graduate course; ~8-12 students)
2011-2014	Balancing Teaching and Research Seminar, N235 (graduate course; ~10-12 students)
2012-2013	Behavioral Neuroscience, NB209 (graduate course; ~10 students)
2015-2016	Neuroepigenetics, NB234 (graduate course; ~8 students)
2017	Scientific Presentation Skills, NB221 (graduate course; 4 students)
2017-present	Neurobiology of Drug Addiction, NB233 (graduate, ~2-4 students; undergraduate, ~50 students)

Fellowships, Honors and Awards

1990-1991	Boulder Scholar Award, University of Colorado
1990-1991	Diversity Grant, University of Colorado
1990-1994	Minority Engineering Scholarship, University of Colorado
1991-1995	National Institute of Standards and Technology Fellowship, University of Colorado
1996	Graduate Student Teaching Award, Princeton University
1997-1999	New Jersey Cancer Commission Fellowship, Princeton University
1999	Excellence in Cancer Research Gallo Award, Princeton University
2001-2003	Society for Neuroscience MNFP Postdoctoral Fellowship, University of Pennsylvania
2005	Alavi-Dabiri Postdoctoral Fellowship Award, University of Pennsylvania
2008-2010	Whitehall Foundation Research Award
2007-2008	School of Biological Sciences Excellence in Undergraduate Education, UCI
2007-2008	Golden Apple Award for Teaching Excellence in the School of Biological Sciences, UCI
2008-2009	HHMI-UCI Faculty Fellow, HHMI-UCI Teaching Fellows Program, UCI
2009-2010	Distinguished Assistant Professor Award for Teaching, UCI
2014-2017	Chancellor's Fellow, UCI (Distinguished award for Excellence in Research)
2014	Professor of the Year, UCI (Distinguished award for Excellence in Teaching)
2015	Faculty Mentor of the Month, UCI
2016-present	School of Biological Sciences Endowed Chair, UCI

2016-present	Mentor, Hewitt Foundation for Biomedical Research
2016	Instructional Technology Innovation Award, UCI
2016	Chancellor's Award for Distinguished Fostering of Undergraduate Research, UCI
2016-2017	Distinguished Faculty Award for Teaching, UCI
2018	Outstanding Reviewer, <i>The Journal of Neuroscience</i> , The Society for Neuroscience
2019	Fellow, American Association for the Advancement of Science (AAAS) <i>For distinguished contributions to the fields of memory and addiction, particularly for the study of epigenetic mechanisms underlying neuronal function, as well as distinguished teaching.</i>
2022	Howard Hughes Medical Institute (HHMI) Gilliam Fellow Award (as Advisor)
2022	Executive Board, Hewitt Foundation for Biomedical Research

Professional Societies:

2001-present	Member, Society for Neuroscience
2005-present	Member, Molecular and Cellular Cognition Society
2013-present	Fellow, American College of Neuropsychopharmacology (ACNP)

Journal/Editorial Review Service

Editorial Board:

2012-present	<i>Neurobiology of Learning & Memory</i>
2018-present	<i>Learning & Memory</i>

Editor service:

2008-present	Review editor, <i>Frontiers in Behavioral Neuroscience</i>
2010-2011	Guest editor, <i>Neurobiology of Learning & Memory</i>

Ad Hoc Reviewer: *Nature, Neuron, Science, Nature Neuroscience, Nature Communications, Journal of Neuroscience, Biological Psychiatry, Learning and Memory, Neuropsychopharmacology, Neurobiology of Learning and Memory, Hippocampus, Behavioral Neuroscience, Epigenetics, Behavioral Pharmacology, European Journal of Neuroscience, Journal of Neurobiology, EMBO, Journal of Immunology, Physiological Reviews, Current Opinion in Neurobiology, Nature Medicine*

Grant Review Service:

Standing Member:

2012-2020	Pitt-Hopkins Foundation grant reviewer
2013-2017	NIH Molecular Neurogenetics (MNG) study section
2018-present	NIH Molecular and Cellular Neuropharmacology (MCNP) study section

Ad Hoc Reviewer:

National Science Foundation (2006-2011); US-Israel Binational Science Foundation (2006); NIMH ZMH1 ERB-B fellowships and dissertation grants (2007); National Institute for Psychobiology, Israel (2008); NIMH ZMH1 CNF-E conference grants (2008); NIH ZRG1 IFCN-A challenge grants (2009); NIDA ZDA1 MXL-F transgenerational phenotypes grants (2011); Veterans Affairs NURC grants (2012); NIH Learning and Memory (LAM) study section (2012); NIDA CEBRA ZDA1 SXC-E cutting edge basic research awards (2012)

Other professional activities:

2013-2019	Rodin Therapeutics, Scientific Advisory Board
2013-2020	Pitt-Hopkins Foundation, Scientific Advisory Board
2019-present	EpiVario, Consultant

Publications

- 1) Bruno TJ, **Wood MA**, and Hansen BN (1994) Refractive Indices of Fluids Related to Alternative Refrigerants. *J Res Natl Inst Stand Technol* v99:263.
- 2) McMahon SB, **Wood MA**, and Cole MD (2000) The c-Myc cofactor TRRAP recruits the histone acetylase hGCN5. *Mol Cell Biol* v20:556-562.
- 3) **Wood MA**, McMahon SB, and Cole MD (2000) An ATPase/helicase complex is an essential cofactor for oncogenic transformation by c-Myc. *Molecular Cell* v5:321-330.
- 4) Park¹ J, **Wood¹ MA**, and Cole MD (2002) BAF53 forms distinct nuclear complexes and functions as a critical c-Myc-interacting nuclear cofactor for oncogenic transformation. *Mol Cell Biol* v22:1307-16. ¹, **authors contributed equally.**
- 5) Dugan KA, **Wood MA**, and Cole MD (2002) TIP49, but not TRRAP, modulates c-Myc and E2F1 dependent apoptosis. *Oncogene* v21:5835-43.
- 6) **Wood MA**, Kaplan MP, Park A, Blanchard EJ, Lombardi TL, and Abel T (2005) Transgenic mice expressing a truncated form of CREB-binding protein (CBP) exhibit deficits in hippocampal synaptic plasticity and memory storage. *Learning & Memory* v12:111-9. PMCID: PMC1074328
***Highlighted in commentary in *Learning & Memory* 2005 v12:80-83.**
- 7) **Wood MA**, Kaplan MP, and Abel T (2005) Ubiquitin C-terminal esterase 3 (Uch-L3) is involved in working memory. *Hippocampus* v15:610-621.
- 8) Zhang B, Veasey S, **Wood MA**, Leng LZ, Kaminski C, Leight S, Abel T, Lee VMY, and Trojanowski JQ (2005) Impaired rapid eye movement sleep in the Tg 2576 APP murine model of Alzheimer's Disease with injury to pedunculopontine cholinergic neurons. *Am J of Pathology* v167:1361-1369. PMCID1603771
- 9) Keeley MB, **Wood MA**, Isiegas C, Stein J, Hellman K, Hannenhalli S, and Abel T (2006) Differential transcriptional response to non-associative and associative components of classical fear conditioning in the amygdala and hippocampus. *Learning & Memory* v13:135-142.
- 10) Oliveira AMM, Abel T, Brindle PK, and **Wood MA** (2006) Differential role for CBP and p300 CREB-binding domain in motor skill learning. *Behav Neurosci* v120:724-729.
- 11) **Wood MA**, Attner MA, Oliveira AMM, Brindle PK, and Abel T (2006) A transcription factor-binding domain of the coactivator CBP is essential for long-term memory and the expression of specific target genes. *Learning & Memory* v13:609-617. PMCID1783615
- 12) **Wood MA**, Hawk JD, and Abel T (2006) Combinatorial chromatin modifications and memory storage: A code for memory? *Learning & Memory* v13:241-244. PMCID2909467
- 13) Oliveira AMM, **Wood MA**, McDonough C, and Abel T (2007) Transgenic mice expressing a truncated form of p300 exhibit long term memory deficits. *Learning & Memory* v14:564-572. PMCID1994075
- 14) Vecsey CG, Hawk JD, Lattal KM, Stein JM, Fabian SA, Attner MA, Cabrera SM, McDonough CB, Brindle PK, Abel T, and **Wood MA** (2007) Histone deacetylase inhibitors enhance memory and

synaptic plasticity via CREB:CBP-dependent transcriptional activation. *J Neurosci* v27:6128-6140. PMCID2925045

- 15) Lattal KM, Barrett RM, **Wood MA** (2007) Systemic or intra-hippocampal delivery of histone deacetylase inhibitors facilitates fear extinction. *Behav Neurosci* v121:1125-1131.
- 16) Levenson JM, and **Wood MA** (2007) Epigenetics—Chromatin Structure and Rett Syndrome. “Molecular Mechanisms of Long-Term Memory Formation” (Sweatt JD, ed). Elsevier.
- 17) Barrett RM and **Wood MA** (2008) Beyond transcription factors: The role of chromatin modifying enzymes in regulating transcription required for memory. *Learning & Memory* v15:460-467. PMCID3960025
 * **Highlighted in Faculty of 1000 Biology.**
- 18) Jiang Y, Langley B, Lubin F, Renthal W, **Wood MA**, Yasui D, Kumar A, Nestler E, Akbarian S, and Beckel-Mitchener A (2008) Epigenetics in the Nervous System. *J Neurosci* v28:11753-9.
- 19) Pham J, Cabrera SM, Sanchis-Segura C, and **Wood MA** (2009) Automated scoring of fear related behavior using EthoVision software. *J Neurosci Methods* v178:323-326. PMCID2649987
 * **Highlighted in The Scientist 2009 v23:63.**
- 20) Stefanko DP, Barrett RM, Ly AR, Reolon GK, and **Wood MA** (2009) Modulation of long-term memory for object recognition via HDAC inhibition. *Proc Natl Acad Sci* v106:9447-9452. PMCID2695069
- 21) Malvaez M, Barrett RM, **Wood MA**, and Sanchis-Segura C (2009) Epigenetic mechanisms underlying extinction and drug seeking behavior. *Mammalian Genome*, v20:612. PMCID3157916
 * Invited review.
- 22) McQuown SC and **Wood MA** (2010) Epigenetic regulation in substance use disorders. *Curr Psychiatry Rep* v12:145-153. PMCID2847696
 * Invited review.
- 23) Malvaez M, Sanchis-Segura C, Vo D, Lattal KM, and **Wood MA** (2010) Modulation of chromatin modification facilitates extinction of cocaine-induced conditioned place preference. *Biol Psychiatry*, v67:36-43. PMCID2795056
 ***Received Society of Biological Psychiatry Ziskind-Somerfeld award**
- 24) Roozendaal B, Hernandez A, Cabrera S, Hagewoud R, Malvaez M, Stefanko D, Haettig J, and **Wood MA** (2010) Glucocorticoid activity is necessary for modulation of long-term memory via chromatin modification. *J Neurosci* v30:5037-46. PMCID2861482
 * **Highlighted in Nature v464:960.**
- 25) McQuown SC, Barrett RM, Matheos DP, Post RJ, Rogge GA, Alenghat T, Mullican SE, Jones S, Rusche JR, Lazar MA, and **Wood MA** (2011) HDAC3 is a critical negative regulator of long-term memory formation. *J Neurosci*, v31:764-774. PMCID3160172
 * **Highlighted in Faculty of 1000, top three biomedical research posters of 2010**
- 26) Haettig J, Stefanko DP, Multani ML, Figueroa DX, McQuown SC, and **Wood MA**. (2011) HDAC inhibition modulates hippocampus-dependent long-term memory for object location in a CBP-dependent manner. *Learning & Memory*, v18:71-79. PMCID3032579

- 27) Barrett RM, Malvaez M, Kramar E, Matheos DP, Arrizon A, Cabrera SM, Lynch G, Greene RW, and **Wood MA** (2011) Hippocampal focal knockout of CBP affects specific histone modifications, long-term potentiation, and long-term memory. *Neuropsychopharmacology*, v36:1545-56. PMID3138668
 * **Highlighted in *Neuropsychopharm* v36: 1543-44.**
- 28) Reolon GK, Maurmann N, Werenicz A, Garcia VA, Schroder N, **Wood MA**, and Roesler R (2011) Posttraining systemic administration of the histone deacetylase inhibitor sodium butyrate ameliorates aging-related memory decline in rats. *Beh Brain Res*, v221:329-332. PMID3093300
- 29) Lester BM, Tronick E, Nestler E, Abel T, Kosofsky B, Kuzawa CW, Marsit CJ, Maze IS, Meaney MJ, Monteggia LM, Reul JMH, Skuse DH, and **Wood MA** (2011) Behavioral Epigenetics. *Ann N Y Acad Sci*, v1226:14-33.
 * Invited review. This review highlighted the founding of the ‘behavioral epigenetics’ subfield in neuroscience.
- 30) **Wood MA** (2011) Introduction to the special issue of *Neurobiology of Learning and Memory* on epigenetics and memory. *Neurobio Learning & Memory*, v96:1. PMID3111848
 * Guest Editor. This review is part of a special issue on epigenetics and memory.
- 31) McQuown SC and **Wood MA** (2011) HDAC3 and the molecular brake pad hypothesis. *Neurobio Learning & Memory*, v96:27-34. PMID3111848
 * Invited review. This review is part of a special issue on epigenetics and memory.
- 32) Skucas VA, Mathews IB, Yang J, Cheng Q, Treister AK, Verkman A, Hempstead BL, **Wood MA**, Binder DK, and Scharfman HE (2011) Glial Aquaporin-4 channels are required for BDNF-dependent synaptic plasticity and selective forms of spatial memory. *J Neurosci*, v31:6392-6397. PMID3107562
- 33) Neelamegam R, Ricq EL, Malvaez M, Patnaik D, Norton S, Carlin SM, Hill IT, **Wood MA**, Haggarty SJ, Hooker JM (2011) Brain-penetrant LSD1 inhibitors can block memory consolidation. *ACS Chemical Neuroscience*, v3:120-128. PMID3382965.
- 34) Malvaez M, Mhillaj E, Matheos DP, Palmery M, and **Wood MA** (2011) CBP in the nucleus accumbens regulates cocaine-induced histone acetylation and is critical for cocaine-associated behaviors. *J Neurosci*, v31:16941-8. PMID3235434
 * **Highlighted in *J Neurosci*, *This Week in The Journal*, v31: i.**
- 35) Rogge G and **Wood MA** (2013) The role of histone acetylation in cocaine-induced neural plasticity and behavior. *Neuropsychopharm Reviews*, v38:94-110. PMID3521972
 * Invited review. This review is part of a special issue on epigenetic mechanisms in neuropsychiatry.
- 36) Vogel-Ciernia A and **Wood MA** (2012) Molecular brake pad hypothesis: Pulling off the brakes for emotional memory. *Reviews in Neurosci*, v23:607-626.
 * Invited review. This review is part of a special issue entitled “The emotional brain and its relation to psychopathology.”

- 37) Babayan AH, Kramar EA, Barrett RM, Jafari M, Haettig J, Chen LY, Rex CS, Lauterborn JC, **Wood MA**, Gall CM, and Lynch G (2012) Integrin dynamics produce a delayed stage of LTP and memory consolidation. *J Neurosci*, v32:12854-61. PMCID3752079
 * **Highlighted in *J Neurosci*, This Week in The Journal, v32: i.**
- 38) McNulty S, Barrett RM, Malvaez M, Hernandez N, Davatolhagh MF, Vogel-Ciernia A, Matheos DP, Schiffman A, and **Wood MA** (2012) Differential roles for Nr4a1 and Nr4a2 in object location versus object recognition long-term memory. *Learning & Memory*, v19:588-92. PMCID3506974
- 39) Malvaez M, McQuown SC, Rogge GA, Astarabadi M, Jacques V, Carreiro S, Rusche J, and **Wood MA** (2013) HDAC3 selective inhibitor enhances extinction of cocaine-seeking behavior in a persistent manner. *PNAS*, v110:2647-52. PMCID3574934
 * **Highlighted in *PNAS*, 110:2442-3.**
- 40) Haettig J, Yanjun S, **Wood MA**, and Xu X (2013) Cell-type specific inactivation of hippocampal CA1 disrupts location-dependent object recognition in the mouse. *Learning & Memory*, v20:139-46. PMCID35782275
- 41) Raybuck J, McCleery E, Cunningham C, **Wood MA**, and Lattal KM (2013) The histone deacetylase inhibitor sodium butyrate modulates acquisition and extinction of cocaine-induced conditioned place preference. *Pharm, Biochem & Behav*, v106:109-116. PMCID3691316
- 42) Lattal KM and **Wood MA** (2013) Epigenetics and persistent memory: Implications for reconsolidation and silent extinction beyond the zero. *Nature Neuroscience*, v16:124-129. PMCID3740093
- 43) Vogel-Ciernia A, Matheos DP, Barrett RM, Kramar E, Azzawi S, Chen Y, Magnan CN, Zeller M, Sylvain A, Haettig J, Jia Y, Tran A, Dang R, Post RJ, Chabrier M, Babayan A, Wu JI, Crabtree GR, Baldi P, Baram TZ, Lynch G, and **Wood MA** (2013) The Neuron-specific chromatin regulatory subunit BAF53b is necessary for synaptic plasticity and memory. *Nature Neuroscience*, v16:552-561. PMCID3777648
- 44) Rogge GA, Singh H, Dang R, and **Wood MA** (2013) HDAC3 is a negative regulator of cocaine-context associated memory formation. *Journal of Neuroscience*, v33:6623-6632. PMCID3670682
- 45) Intlekofer KA, Berchtold NC, Malvaez M, Carlos AJ, McQuown SC, Cunningham MJ, **Wood MA**, and Cotman CW (2013) Exercise and sodium butyrate transform a sub-threshold learning event into long-term memory via a BDNF-dependent mechanism. *Neuropsychopharm*, v38:2027-2034. PMCID3746687
- 46) White AO and **Wood MA** (2014) Does stress remove the HDAC brakes for the formation and persistence of long-term memory? *Neurobio Learn Mem*, v112:61-67. PMCID3992200
- 47) Cope JL, Regev L, Chen Y, Korosi A, Rice CJ, Ji S, Rogge GA, **Wood MA**, and Baram TZ (2014) Differential contribution of CBP:CREB binding to corticotropin-releasing hormone expression in the infant and adult hypothalamus. *Stress*, v17:39-50. PMCID3869921
- 48) Vogel-Ciernia A and **Wood MA** (2014) Neuron-specific chromatin remodeling: A missing link in epigenetic mechanisms underlying synaptic plasticity, memory, and intellectual disability disorders. *Neuropharmacology*, v80:18-27. PMCID3984593

- 49) Vogel-Ciernia A and **Wood MA** (2014) Examining memory for object location and object recognition in mice. *Current Protocols Neurosci*, v69:8.31.1.-8.31.17. PMID4219523
- 50) Matheos DP and **Wood MA** (2014) Unlocking the constraints on memory formation. *Nature Neuroscience*, v17:895-896.
- 51) Kwapis, JL and **Wood MA** (2014) Epigenetic mechanisms in fear conditioning: implications for treating post-traumatic stress disorder. *Trends in Neurosciences*, v37:706-720. PMID4258434
- 52) Bieszczad KM, Bechay K, Rusche JR, Jacques V, Kudugunti S, Miao W, Weinberger NM, McGaugh JL, and **Wood MA** (2015) Histone deacetylase inhibition via RGFP966 releases the brakes on sensory cortical plasticity and the specificity of memory formation. *J Neurosci*, v35:13124-32. PMID4579377
- 53) Bharadwaj R, Peter C, Jiang Y, Roussos P, Vogel-Ciernia A, Shen E, Mitchell A, Mao W, Whittle C, Dincer A, Jakovcevski M, Pthula V, Rasmussen T, Giakoumaki SG, Bitsios P, Gardner PD, Ernst PA, Ghose S, Sklar P, Haroutunian V, Tamminga C, Myers RH, Futai K, **Wood MA**, and Akbarian S (2014) Conserved higher order chromatin regulates NMDA receptor gene expression and cognition. *Neuron*, v84:997-1008. PMID4258154
- 54) Nakauchi S¹, Malvaez M¹, Su H¹, Kleeman E, Dang R, **Wood MA**, and Sumikawa K (2015) Early postnatal nicotine exposure causes hippocampus-dependent memory impairments in adolescent mice: association with altered nicotinic cholinergic modulation of LTP, but not impaired LTP. *Neurobiology of Learning & Memory*, v118:178-188. PMID4331249
I=these authors contributed equally to this study.
- 55) Lopez AJ and Wood MA (2015) Role of nucleosome remodeling in neurodevelopmental and intellectual disability disorders. *Front Behav Neurosci*, v9:100. PMID4407585
** Invited review.*
- 56) Peixoto L, Risso D, Poplawski SG, Wimmer ME, Speed TP, **Wood MA**, and Abel T (2015) How data analysis affects power, reproducibility and biological insight of RNA-seq studies in complex datasets. *Nucleic Acids Res*, v43:7664-74. PMID4652761
- 57) Alaghband Y, Bredy T, and **Wood MA** (2016) The role of active DNA demethylation and Tet enzyme function in memory formation and cocaine action. *Neurosci Lett*, v625:40-46. PMID4903882.
** Invited review.*
- 58) Lopez AJ, Kramar E, Matheos DP, White A, Kwapis J, Vogel-Ciernia A, Sakata K, Espinoza M, and **Wood MA** (2016) Promoter specific effects of DREADD modulation on hippocampal synaptic plasticity and memory formation. *J Neurosci*, v36:3588-99. PMID4804014
- 59) White AO, Kramar EA, Lopez AJ, Doan J, Saldana D, Davatolhagh MF, Alaghband Y, Blurton-Jones M, Matheos DP, and **Wood MA** (2016) BDNF rescues BAF53b-dependent synaptic plasticity and cocaine-associated memory in the nucleus accumbens. *Nature Commun*, v7:11725-. PMID4894971
- 60) Mitchell AC, Javidfar B, Bicks LK, Neve R, Garbett K, Lander SS, Mirnics K, Morishita H, **Wood MA**, Jiang Y, Gaisler-Salomon, and Akbarian S (2016) Longitudinal assessment of neuronal 3D genomes in mouse prefrontal cortex. *Nature Commun*, v7:12743-. PMID5025847

- 61) Kleeman E, Nakauchi S, **Wood MA**, and Sumikawa K (2016) Impaired function of $\alpha 2$ -containing nicotinic acetylcholine receptors on oriens-lacunosum molecular cells causes hippocampus-dependent memory impairments. *Neurobiol Learn Mem*, v136:13-20. PMID5124391
- 62) Kwapis JL, Alaghband Y, Lopez AJ, White AO, Campbell RR, Dang RT, Rhee D, Tran AV, Carl AE, Matheos DP, and **Wood MA** (2017) Context and Auditory fear are differentially regulated by HDAC3 activity in the lateral and basal subnuclei of the amygdala. *Neuropsychopharm*, v42:1284-1294. PMID5437888
- 63) Hemstedt TJ, Lattal KM, **Wood MA** (2017) Reconsolidation and extinction: using epigenetic signatures to challenge conventional wisdom. *Neurobiology of Learning & Memory*, Jul;142(Pt A):55-65. doi: 10.1016/j.nlm.2017.01.007. Epub 2017 Jan 21. PMID5457345
* Invited review. This review is part of a special issue on reconsolidation.
- 64) Liu Y, Sun S, Bredy T, **Wood MA**, Spitale R, Baldi P (2017) MotifMap-RNA: A genome-wide map of RBP binding sites. *Bioinformatics*. v33(13):2029-2031. PMID28334276
- 65) Vogel Ciernia A, Kramar EA, Matheos DP, Havekes R, Hemstedt TJ, Magnan CN, Sakata K, Tran A, Azzawi S, Lopez AJ, Dang RT, Wang W, Trieu B, Tong J, Barrett RM, Post RJ, Baldi P, Abel T, Lynch G, and **Wood MA** (2017) Mutation of neuron-specific chromatin remodeling subunit BAF53b: Rescue of plasticity and memory by manipulating actin remodeling. *Learning & Memory*, v24(5):199-209. PMID5397687
- 66) Alaghband Y, Kwapis JL, Lopez AJ, White AO, Aimiwu OV, Al-Kachak A, Bodinayake KK, Oparugo NC, Dang R, Astarabadi M, Matheos DP, **Wood MA** (2017) Distinct roles for the deacetylase domain of HDAC3 in the hippocampus and medial prefrontal cortex in the formation and extinction of memory. *Neurobiology of Learning & Memory*. v145:94-104. doi: 10.1016/j.nlm.2017.09.001. PMID5698127
- 67) Lopez AJ, Jia Y, White AO, Kwapis JL, Espinoza M, Hwang P, Campbell R, Alaghband Y, Chitnis O, Matheos DP, Lynch G, **Wood MA** (2018) Medial habenula cholinergic signaling regulates cocaine-associated relapse-like behavior. *Addiction Biology*. Feb 12. Doi:10.1111/adb.12605. PMID6087687
- 68) Shu G, Kramar EA, Lopez AJ, Huynh G, **Wood MA**, Kwapis JL (2018) Deleting HDAC3 rescues long-term memory impairments induced by disruption of the neuron-specific chromatin remodeling subunit BAF53b. *Learning & Memory*. v25:109-114. doi:10.1111/adb.12605. PMID5817283
- 69) Malvaez M, Greenfield VY, Matheos DP, Angelilis NA, Murphy MD, Kennedy PJ, **Wood MA**, Wassum K (2018) Habits are negatively regulated by histone deacetylase 3 in the dorsal striatum. *Biological Psychiatry*. v84:383-392. doi: 10.1016/j.biopsych.2018.01.025. PMID6082729
- 70) Elmore MRP, Kramar EA, Soreq L, Lee RJ, Pham ST, Hohsfield LA, Najafi AR, **Wood MA**, West BL, Green KN (2018) Replacement of microglia in the aged brain reverses cognitive, synaptic, and neuronal deficits in mice. *Aging Cell*. v17:e12832. Doi:10.1111/accel.12832. PMID6260908
- 71) Kwapis JL, Alaghband Y, Kramar EA, Vogel Ciernia A, Lopez AJ, White AO, Shu G, Rhee D, Michael CM, Montellier E, Liu Y, Magnan CN, Sassone-Corsi P, Baldi P, Matheos DP, **Wood MA** (2018) Epigenetic regulation of the circadian gene *Per1* contributes to age-related changes in hippocampal memory. *Nature Commun*, v9:3323. doi: 10.1038/s41467-018-05868-0. PMID6102273

- 72) Alaghband Y, Kramar E, Kwapis JL, Kim ES, Hemstedt TJ, Lopez AJ, White AO, Al-Kachak A, Aimuwu OV, Bodinayake KK, Oparaugo NC, Han J, Lattal KM, **Wood MA** (2018) CREST in the nucleus accumbens core regulates cocaine-conditioned place preference, cocaine-seeking behavior, and synaptic plasticity. *J Neurosci*, v38:9514-9526. Doi:10.1523/JNEUROSCI.2911-17.2018. PMCID6209848
- 73) Hitchcock LN, Raybuck JD, **Wood MA**, Lattal KM (2019) Effects of a histone deacetylase 3 inhibitor on extinction and reinstatement of cocaine self-administration in rats. *Psychopharm*. v236:517-529. doi: 10.1007/s00213-018-5122-2.
- 74) Matheos DP and **Wood MA** (2019) Extinction vs. Epigenetic Intergenerational Inheritance: Who Wins? *Biological Psychiatry*. v85:184-186. Doi:10.1016/j.biopsych.2018.11.016.
Invited commentary
- 75) Campbell R and **Wood MA** (2019) How the epigenome integrates information and reshapes the synapse. *Nature Reviews Neurosci*. V20:133-147. PMCID: PMC7032043
- 76) Hervera A, Zhou L, Palmisano I, McLachlan E, Kong G, Hutson T, Danzi MC, Lemmon VP, Bixby JL, Matamoros-Angles A, Forsberg K, De Virgiliis F, Matheos DP, Kwapis J, **Wood MA**, Puttagunta R, del Rio JA, Di Giovanni S (2019) PP4-dependent HDAC3 dephosphorylation discriminates between axonal regeneration and regenerative failure. *EMBO*. V38(13):e101032. Doi:10.15252/embj.2018101032. PIMCD6600644.
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* Book Chapter
- 88) Kosenko A, Moftakhar S, **Wood MA**, Hoshi N (2020) *In vivo* attenuation of M-current suppression impairs consolidation of object recognition memory. *J Neurosci*. V40:5847-5856. PMID7380971
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- 98) Chinn C, Ren H, Morival J, Nie Q, **Wood MA**, Downing TL (2021) Examining age-dependent DNA methylation patterns and gene expression in the male and female hippocampus. *Neurobiol Aging.* 108:223-235. DOI: 10.1016/j.neurobiolaging.2021.08.006
- 99) Ionescu-Tucker A, Butler CW, Berchtold NC, Matheos DP, **Wood MA**, Cotman CW (2021) Exercise reduces H3K9Me3 and regulates BDNF and GABRA2 in an age-dependent manner. *Front Aging Neurosci.* 13:798297. PMCID: PMC8712855
- 100) Javonillo DI, Tran KM, Phan J, Hingco E, Kramar EA, Da Cunha C, Forner S, Kawauchi S, Neurmann J, Banh CE, Huynh M, Matheos DP, Rezaie N, Alcantara JA, Mortazavi A, **Wood MA**, Tenner AJ, Macgregor GR, Green KN, LaFerla F (2022) Systematic phenotyping and characterization of the 3xTg-AD mouse model of Alzheimer's Disease. *Front Neurosci.* 15:785276. PMCID: PMC8818877
- 101) Mayer E, Alachkar A, Lee J, Asthana K, Monfared R, Chen J, Alhassen S, Samad M, **Wood MA**, Baldi P (2022) The hidden link between circadian entropy and mental health disorders. *Translational Psychiatry.* v12:281. PMCID: PMC9283542
- 102) Lee HL, Jung KM, Fotio Y, Palese F, Lin L, Squire E, Torrens A, Ahmed F, Ramirez J, Su S, Wong SR, Jung DH, **Wood MA**, Green K, Piomelli D. (2022) Frequent low-dose Δ^9 -tetrahydrocannabinol in adolescence disrupts microglia homeostasis and disables responses to microbial infection and social stress in young adulthood. *Biological Psychiatry.* V92:845-860. DOI:10.1016/j.biophysch.2022.04.017
- 103) Alexander DC, Corman T, Mendoza M, Glass A, Belity T, Wu R, Campbell RR, Han J, Keiser AA, Winkler J, **Wood MA**, Kim T, Garcia BA, Cohen H, Mews P, Egervari G, Berger SL (2022) Targeting Acetyl-CoA metabolism attenuates the formation of fear memories through reduced activity-dependent histone acetylation. *PNAS.* V119:e2114758119. PMCID: PMC9371679
- 104) Dong TN, Kramar EA, Beardwood JH, Al-Shammari A, **Wood MA**, Keiser AA (2022). Temporal endurance of exercise-induced benefits on hippocampus-dependent memory and synaptic plasticity in female mice. *Neurobiol Learn Mem.* V194:107658. DOI:10.1016/j.nlm.2022.107658.

- 105) Allen RB, Alaghband Y, Kramar EA, Ru N, Petit B, Grilj V, Petronek MS, Pulliam SF, Kim RY, Doan NL, Baulch JE, **Wood MA**, Bailat C, Spitz DR, Vozenin MC, Limoli CL (2022). Eluding the neurological mechanism of the FLASH effect in juvenile mice exposed to hypofractionated radiotherapy. *Neuro-Oncology*. DOI:10.1093/neuonc/noac248.
- 106) Alaghband Y, Klein PM, Kramar EA, Cranston MN, Perry BC, Shelerud L, Kane AE, Doan NL, Ru N, Acharya MM, **Wood MA**, Sinclair DA, Dickstein DL, Soltesz I, Limoli CL, Baulch JE (2023). Galactic cosmic radiation exposure causes multifaceted neurocognitive impairments. *Cellular and Molecular Life Sciences*. V80:29. DOI:10.1007/s00018-022-04666-8.

Submitted and under review:

- 107) Rounds J, Matheos DP, **Wood MA** (2022) Activity-regulated transcription: Role in nervous system function (addiction). Transcriptional regulation by neuronal activity: To the nucleus and back, 2nd Edition. In Review.
- 108) Keiser AA, Dong T, Kramar EA, Butler C, Chen S, Matheos DP, Beardwood J, Al-Shammari A, Alaghband Y, Alizo Vera V, Berchtold NC, Shanur S, Baldi P, Cotman CW, **Wood MA** (2022) Unique exercise patterns reveal key molecular mechanism underlying memory formation in adult and aging brain. In Review.
- 109) Childs JE, Morabito S, Das S, Santelli C, Pham V Kusche K, Alizo Vera V, Reese F, Campbell RR, Matheos DP, Swarup V, **Wood MA** (2022) Relapse to cocaine-seeking is regulated by medial habenula Nr4a2. In Review.
- 110) Chen CC, Han J, Chinn C, Li X, Nikan M, Myszkowski M, Tong L, Bredy TW, **Wood MA**, Luptak A (2022) The CPEB3 ribozyme modulates hippocampal-dependent memory. In Review.
- 111) Florio E, Serra M, Lewis RG, Kramar E, Freidberg M, **Wood MA**, Morelli M, Borrelli E (2022). D2R signaling in striatal spiny neurons modulates L-DOPA induced dyskinesia. In Review.

Patent Application:

US Patent US-2013-0210899-A1

“Method and Therapeutic for the Treatment and Regulation of Memory Formation”

Inventor: Marcelo A. Wood, PhD

Invited Speaker: presentations at educational institutions

- 2006 Institute for Brain Aging and Dementia. University of California, Irvine.
- 2007 Medical Scientist Training Program. University of California, Irvine.
- 2007 Massachusetts Institute of Technology (MIT), Cambridge, MA.
- 2007 Minority Science Programs. University of California, Irvine.
- 2008 Medical Scientist Training Program. University of California, Irvine.
- 2008 University of California Santa Barbara, Santa Barbara, CA.
- 2008 Laboratory of Neurobiology, National Institute of Environmental Health Sciences, NIH.
- 2008 American Federation for Aging Research (AFAR) reception, Laguna Woods Village, CA
- 2008 University Medical Center Groningen, Dept. of Neuroscience, Groningen, Netherlands

- 2008 Developmental Biology Center, Minisymposium, University of California, Irvine.
- 2009 Minority Science Programs. University of California, Irvine.
- 2009 California State University, Fullerton, Dept. of Biological Sciences, Fullerton, CA
- 2009 University of Wisconsin-Madison, Center for Neuroscience, Madison, WI
- 2009 Evenings to Remember, Center for the Neurobiology of Learning and Memory, UCI
- 2010 Broad Institute, Stanley Center for Psychiatric Research, MIT, Harvard, Cambridge MA
- 2010 Microbiology and Molecular Genetics Department, UCI
- 2010 Department of Development and Genetics, Uppsala University, Uppsala Sweden
- 2010 Neuroscience Program Colloquium, University of Illinois at Urbana Champaign, IL
- 2010 Futures Seminar, Johns Hopkins University, Baltimore, MD
- 2011 Department of Behavioral Neuroscience, Oregon Health Sciences University, OR
- 2011 Endocrinology Grand Rounds, UC Irvine and Long Beach VAMC, CA
- 2011 Minority Science Program, Theory and Research Seminar, UCI, CA
- 2012 Ernest Gallo Clinic and Research Center, UCSF, CA
- 2012 University of Texas Health Science Center at Houston, Center for Neurobehavioral Research on Addictions, Houston TX
- 2012 Department of Neurobiology, University of Alabama, Birmingham, AL
- 2012 Department of Neurobiology, Psychology, University of Chicago, Keynote speaker for retreat
- 2012 Neuroepigenetics Workshop, Universidad Internacional de Andalucia (UNIA), Spain
- 2013 Department of Pharmacology, University of California Irvine
- 2013 Neuroscience Program Seminar, Claremont Colleges, CA
- 2013 Neuroscience Graduate Program Seminar, University of California, Riverside
- 2014 Department of Pharmacology and Toxicology, University of Innsbruck, Austria
- 2014 Mahoney Institute of Neuroscience, University of Pennsylvania, PA
- 2014 Neuroscience Graduate Program, University of Michigan
- 2014 Minority Science Program, Theory and Research Seminar, UCI, CA
- 2014 UC Irvine Barclay Distinguished Lecture Series on Brain, Learning and Memory, UC Irvine
- 2015 Integrative Center for Addictions, UCLA, CA
- 2015 Friedman Brain Institute, Mount Sinai School of Medicine, NY
- 2015 Center for the Neurobiology of Learning and Memory annual meeting, UCI, CA
- 2015 Quantitative and System Biology seminar series, UC Merced, CA
- 2015 Southern California Learning and Memory symposium, UCLA, CA
- 2015 Queensland Brain Institute, University of Queensland, Australia
- 2016 Department of Biological Chemistry, UC Irvine
- 2016 Burke Medical Research Institute, Cornell
- 2016 BUILD Research Colloquium, California State University Long Beach
- 2016 Eliot Stellar Lecture, Behavioral and Cognitive Neuroscience, University of Pennsylvania
- 2017 Department of Psychology and Neuroscience, University of Colorado Boulder
- 2017 Department of Psychiatry, Neuroscience, UT Southwestern Medical Center
- 2017 McLean Hospital, Dept of Psychiatry, Harvard Medical School
- 2017 Minority Science Program, UC Irvine
- 2017 CMDB/GGB/MCBL seminar program, UC Riverside
- 2018 University of Texas Houston, Dept of Neurobiology & Anatomy, TX
- 2018 University of California Irvine, School of Biological Sciences, Dean's Distinguished Lecture
- 2019 Medical University of South Carolina, SC
- 2019 26th Annual UCI Undergraduate Research Symposium Keynote Speaker, UC Irvine
- 2019 Instituto de Neurobiologia, National University of Mexico, Queretaro, Mexico
- 2019 Instituto de Fisiologia Celular, National Autonomous University of Mexico, Mexico City, Mexico
- 2020 Minority Science Program, UC Irvine (research talk)
- 2020 UC Irvine Parent's Day

- 2020 Graduate Division, NRSA workshop, UC Irvine
- 2020 Keynote, Texas A&M Health Science Center, 25th Annual GSO Research Symposium
* cancelled due to covid19
- 2020 Minority Science Program, UC Irvine (intro to graduate school)
- 2020 Nu Rho Psi, UC Irvine (research talk)
- 2020 Keynote, UCLA Translational Neuroscience of Drug Abuse Symposium, UCLA
- 2022 Dept. of Neuroscience & Regenerative Medicine, Brain Aging Symposium, Augusta University
- 2022 Chair of Epigenetics panel, Center for Epigenetics and Metabolism Symposium: A tribute to Paolo Sassone-Corsi
- 2022 Iowa Neuroscience Institute, Neuroscience and Pharmacology Seminar, Univ of Iowa
- 2023 Minority Science Program, UC Irvine
- 2023 Neuroscience Graduate Program, UC Riverside
- 2023 Department of Pharmacology, Vanderbilt University

Invited Speaker: presentations at professional meetings

- 2006 Learning & Memory Meeting. University of California, Los Angeles.
- 2007 31st Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT.
- 2007 Center for Behavioral Neuroscience Fall Meeting, Emory University, Atlanta, GA.
- 2008 41st Annual Winter Conference on Brain Research. Snowbird, UT.
- 2008 Inaugural Meeting of the Puerto Rico Molecular & Cellular Cognition Society, PR.
- 2008 38th Annual Society for Neuroscience Meeting, Epigenetics in the Nervous System Minisymposia, Washington, DC
- 2009 Rushton Lecture Series, Epigenetics and Behavior, Florida State University, FL
- 2009 Society for Neuroscience, Short Course, Epigenetic Control & Neuronal Function, Chicago IL
- 2010 Winter Conference on the Neurobiology of Learning & Memory, Park City, UT
- 2010 CHDI Foundation Workshop on Huntington's Disease, Los Angeles, CA
- 2010 American Society for Neurochemistry Annual Meeting, Santa Fe, NM
- 2010 Epigenetics and Brain Development Meeting, CHU Sainte-Justine, Universite de Montreal
- 2010 Center for the Neurobiology of Learning & Memory Spring Meeting, UCI
- 2010 ASPET Experimental Biology Meeting, Anaheim, CA
- 2010 Annual Brain and Behavior Day Symposium, Epigenetics and Brain Function, Toronto
- 2010 New York Academy of Sciences, Behavioral Epigenetics symposium, New York, NY
- 2010 22nd Annual Kavli Frontiers of Science Symposium, National Academy of Sciences
- 2011 31st Annual Australian Neuroscience Society Meeting, Auckland, New Zealand
- 2011 23rd Annual Winter Conference on Neural Plasticity, Moorea, Tahiti
- 2011 NIH Roadmap Epigenomics Program Meeting, Translating Epigenomic Discoveries into Improvements in Human Health, Rockville, MD
- 2011 Society for Neuroscience Oregon Chapter Annual Meeting, Keynote Speaker, OR
- 2011 International Narcotics Research Conference (INRC) / College on Problems of Drug Dependence (CPDD) Annual Meeting, Hollywood, FL
- 2011 UCI-INSERM Symposium on Epigenetic Control and Cellular Plasticity, Irvine, CA
- 2012 Winter Conference on Neurobiology of Learning & Memory, Park City, Utah
- 2012 6th Annual Health Professions Conference, Mt. San Antonio College, CA
- 2012 Neurobiology of Stress Workshop, Philadelphia, PA
- 2012 Society for Neuroscience Minisymposium, New Orleans, LA
- 2012 American College of Neuropsychopharmacology annual meeting, Neuropsychopharmacology Reviews: Epigenetics Panel, Hollywood, FL
- 2013 Annual EpiCenter Symposium, University of California, Irvine
- 2013 Annual Society for Biological Psychiatry meeting, San Francisco, CA
- 2013 Annual UCLA Learning & Memory Symposium, Los Angeles, CA

- 2013 Annual American Psychological Association meeting, presidential lecture, Hawaii
- 2013 Annual Brazilian Society for Neuroscience and Behavior meeting, Brazil
- 2013 Society for Neuroscience nanosymposium, San Diego, CA
- 2013 American College of Neuropsychopharmacology annual meeting, session chair, FL
- 2014 EpiCenter International Symposium, UCI, Irvine, CA
- 2014 International Narcotics Research Conference, Montreal, Canada
- 2014 6th Annual Models of Physiology and Disease Conference, Singapore
- 2014 EMBO ‘Epigenetic Plasticity: Implications in neuronal (dys)function’ Conference, Braga, Portugal
- 2015 International Society for Neurochemistry annual meeting, Cairns, Australia
- 2015 Janelia Conference: Behavioral Epigenetics: Conserved Mechanisms in Diverse Model Systems, Janelia, VA
- 2016 1st Annual UCI Addiction Symposium, UC Irvine, CA
- 2016 Annual Winter Conference on Neural Plasticity (WCNP), Maui, HI
- 2016 Neurobiology of Stress Workshop, UC Irvine and Conte Center @ UCI
- 2016 NIDA Diversity Scholars Network Workshop, CA
- 2016 Frontiers in Memory Research (NYU), Florence, Italy
- 2016 12th Meeting of the International Society for Serotonin Research, Seattle, WA
- 2016 International Symposium on Epigenetic Control and Cellular Plasticity, UCI
- 2016 Molecular and Cellular Cognition Society (MCCS) annual meeting, San Diego, CA
- 2016 Society for Neuroscience annual meeting, Symposium: Getting down to business: Identifying Epigenetic Mechanisms of Behaviors within Discrete Cell Populations, San Diego, CA
- 2016 First International SYNGAP1 Conference, Texas Children’s Medical Center, TX
- 2017 50th Meeting of the Winter Conference on Brain Research, Big Sky, MT
- 2017 NIA Cognitive Aging Summit III, Innovative Approaches in Cognitive Aging, Bethesda, MD
- 2017 Neuroscience School of Advanced Studies, Siena, Italy
- 2017 Radiation Research Society Annual Meeting, Cancun, Mexico
- 2017 Annual Snowbird Symposium, “The Role of Epigenetics in Neuroscience”, University of Utah
- 2018 Winter Conference on Brain Research, Whistler, CA
- 2018 American Association for the Advancement of Science (AAAS) annual meeting, Austin TX
- 2018 Biological Psychiatry annual meeting, New York NY
- 2018 American College of Sports Medicine (ACSM) annual meeting, San Diego, CA
- 2019 Winter Conference on Brain Research, Snowmass, CO
- 2019 Mediterranean Neuroscience Society Meeting, Marrakech, Morocco
- 2019 Annual Biomedical Research Conference for Minority Students (ABRCMS), Anaheim, CA
- 2019 UCI Brain Launch, UC Irvine
- 2019 Annual Society for Neuroscience Meeting, Chicago, IL
- 2020 Society for Research on Biological Rhythms, Amelia Island, FL * cancelled due to covid19
- 2020 Stress, Epigenetics, and Addiction Symposium, Rome, Italy. * cancelled due to covid19
- 2021 Key presenter for Scientific Leadership Workshop, Institute for Clinical and Translational Science, UC Irvine
- 2021 Winter Conference on Brain Research annual meeting, Snowbird, UT
- 2022 Winter Conference on Brain Research annual meeting, Aspen, CO
- 2022 Society for Biological Psychiatry annual meeting, New Orleans, LA
- 2022 Mediterranean Neuroscience Society annual meeting, Dubrovnik, Croatia
- 2022 Keynote Speaker, NIDA/NINDS CURA MINDS meeting, Hollywood FL
- 2023 Winter Conference on Brain Research annual meeting, Snowbird, UT

Abstracts:

- A1) **Wood, M.A.** and Abel, T. (2001) The role of CBP in learning and memory. Society for Neuroscience Annual Meeting.
- A2) **Wood, M.A.**, Kaplan, M., Kurihara, L.J., and Abel, T. (2002) A role for ubiquitin c-terminal hydrolase 3 (Uch-L3) in learning and memory. Prog #480.5. Society for Neuroscience Annual Meeting.
- A3) **Wood, M.A.**, Lombardi, T.L., Park, A. and Abel, T. (2003) Transgenic mice expressing a truncation mutant of CBP exhibit spatial memory deficits. Abstract #86. Cold Spring Harbor Laboratory Learning and Memory Meeting.
- A4) **Wood, M.A.**, Lombardi, T.L., Park, A. and Abel, T. (2003) Transgenic mice expressing a truncation mutant of CBP exhibit spatial memory deficits. Abstract #80. International Behavioral Neuroscience Society Annual Meeting.
- A5) **Wood, M.A.**, Kaplan, M., Kurihara, L.J., Wada, K., Sekiguchi, M., Takada, K. and Abel, T. (2003) A role for Ubiquitin C-terminal hydrolase 3 (Uch-L3) in learning and memory. Prog #375.19. Society for Neuroscience Annual Meeting.
- A6) **Wood, M.A.**, Lombardi, T.L., Park, A. and Abel, T. (2003) A role for the CREB-Binding Protein (CBP) in memory. Prog # 720.12. Society for Neuroscience Annual Meeting.
- A7) **Wood, M.A.**, Kaplan, M.P., Lombardi, T.L., Park, A., Abel, T. (2004) CREB-binding protein (CBP) is involved in hippocampal synaptic plasticity and spatial memory. Prog # 896.6. Society for Neuroscience Annual Meeting.
- A8) **Wood, M.A.**, Lattal, K.M., Vecsey, C., Stein, J.M., Fabian, S.A., Attner, M.A., and Abel, T. (2005). Induced histone hyper-acetylation enhances synaptic plasticity and memory storage, possibly via the transcription factor CREB. Abstract # 99. Cold Spring Harbor Laboratory Learning and Memory Meeting.
- A9) **Wood, M.A.**, Vecsey, C., Lattal, K.M., Stein, J.M., Fabian, S.A., Attner, M.A., Abel, T. (2005). Induced histone hyper-acetylation enhances memory storage and facilitates synaptic plasticity via the transcription factor CREB. Prog #316.2. Society for Neuroscience Annual Meeting.
- A10) Attner, M.A., Abel, T., and **Wood, M.A.** (2005) Transcription factor-binding domain of the CREB-binding protein (CBP) in memory storage. Prog #316.3. Society for Neuroscience Annual Meeting.
- A11) Oliveira, A.M.M., **Wood, M.A.**, McDonough, C.B., and Abel, T. (2005) Transgenic mice expressing a truncation form of p300 exhibit associative memory impairments. Prog #316.4. Society for Neuroscience Annual Meeting.
- A12) **Wood, M.A.** (2005) Induced histone hyper-acetylation enhances memory storage and facilitates synaptic plasticity via the transcription factor CREB. Molecular and Cellular Cognition Society Meeting. Washington, DC.
- A13) **Wood, M.A.** (2005) Epigenetic regulation of memory storage and synaptic plasticity. 5th Annual Center for Neurodegenerative Disease Research Retreat. Philadelphia, PA.

- A14) **Wood, M.A.** (2006) Induced histone hyper-acetylation enhances memory storage and facilitates synaptic plasticity via the transcription factor CREB. Abstract #74. Eighth Conference on the Neurobiology of Learning and Memory. University of California, Irvine.
- A15) **Wood, M.A.** (2006) CBP, histone acetylation, and HDAC inhibitors: regulating chromatin remodeling during memory storage. Learning & Memory Symposium. University of California, Los Angeles.
- A16) Oliveira, A.M., **Wood, M.A.**, Hawk, J.D., Abel, T. (2006) CBP KIX and HAT domains are required for long-term recognition memory. Prog #752.11. Society for Neuroscience Annual Meeting.
- A17) **Wood, M.A.**, Vecsey, C., Lattal, K.M., Stein, J.M., Fabian, S.A., Attner, M.A., Abel, T. (2006) Histone deacetylase inhibitors enhance memory and synaptic plasticity via CREB:CBP-dependent transcriptional activation. Prog #666.13. Society for Neuroscience Annual Meeting.
- A18) **Wood, M.A.** (2007) CBP, histone acetylation, and HDAC inhibitors: regulating chromatin remodeling during memory storage. Winter Conference on Learning and Memory, Park City, UT.
- A19) Oliveira, A.M., **Wood, M.A.**, McDonough, C., Abel, T. (2007) Transgenic mice expressing an inhibitory truncated form of p300 exhibit long term memory deficits. Prog #92.23. Society for Neuroscience Annual Meeting.
- A20) Barrett, R.M., Lattal, K.M., **Wood, M.A.** (2007) Modulation of fear extinction via chromatin modification. Prog #426.19. Society for Neuroscience Annual Meeting.
- A21) Barrett, R.M., Lattal, K.M., **Wood, M.A.** (2007) Modulation of fear extinction via chromatin modification. Molecular and Cellular Cognition Society Annual Meeting.
- A22) Stefanko, D., Barrett, R.M., Ly, A., **Wood, M.A.** (2008) Inhibition of histone deacetylase activity enhances long-term memory for object recognition that remains persistent. Prog #688.6. Society for Neuroscience Annual Meeting.
- A23) Stefanko, D., Barrett, R.M., Ly, A., **Wood, M.A.** (2008) Inhibition of histone deacetylase activity enhances long-term memory for object recognition that remains persistent. Molecular and Cellular Cognition Society Annual Meeting.
- A24) Barrett, R.M., and **Wood, M.A.** (2008) Expression level of genes regulated by chromatin modifications correlates with re-exposure duration during extinction memory formation. Prog #688.7. Society for Neuroscience Annual Meeting.
- A25) Barrett, R.M., and **Wood, M.A.** (2008) Expression level of genes regulated by chromatin modifications correlates with re-exposure duration during extinction memory formation. Prog #688.7. Molecular and Cellular Cognition Society Annual Meeting.
- A26) Federman N, Barrett RM, **Wood MA**, and Romano A (2009) Studying the role of transcription factor acetylation during memory consolidation. El Taller Argentino de Neurociencias y el congreso de la Sociedad Argentina de Neurociencias Annual Meeting.

- A27) Malvaez M, Sanchis-Segura C, Lattal KM, Vo D, **Wood MA** (2009) Modulation of chromatin modification facilitates extinction of cocaine-induced place preference. Molecular and Cellular Cognition Society Annual Meeting.
- A28) Malvaez M, Sanchis-Segura C, Lattal KM, Vo D, **Wood MA** (2009) Modulation of chromatin modification facilitates extinction of cocaine-induced place preference. NIDA Mini-Convention: Frontiers in Addiction Research.
- A29) Malvaez M, Sanchis-Segura C, Lattal KM, Vo D, **Wood MA** (2009) Modulation of chromatin modification facilitates extinction of cocaine-induced place preference. Prog #553.7. Society for Neuroscience Annual Meeting.
- A30) Barrett RM, **Wood MA** (2009) Focal deletion of CBP in area CA1 of the hippocampus prevents histone H3 lys14 acetylation and impairs memory. Molecular and Cellular Cognition Society Annual Meeting.
- A31) Barrett RM, **Wood MA** (2009) Focal deletion of CBP in area CA1 of the hippocampus prevents histone H3 lys14 acetylation and impairs memory. Prog #780.8. Society for Neuroscience Annual Meeting.
- A32) McCleery EJ, Cunningham CL, **Wood MA**, Lattal KM (2009) The histone deacetylase inhibitor sodium butyrate enhances conditioning, extinction, and reconditioning of a cocaine-induced place preference. Prog #553.6. Society for Neuroscience Annual Meeting.
- A33) McQuown SC, Barrett RM, Matheos DP, Post RJ, Rogge GA, Alenghat T, Mullican SE, Jones S, Rusche JR, Lazar MA, and **Wood MA** (2010) HDAC3 is a critical negative regulator of long-term memory formation. 22nd Annual Kavli Frontiers of Science Symposium, National Academy of Sciences.
- A34) Cope JL, Korosi A, Rice CJ, **Wood MA**, Baram TZ (2010) Corticotropin-releasing hormone expression in the hypothalamus is governed by CREB-CBP interaction. Prog#190.2. Society for Neuroscience Annual Meeting.
- A35) Haettig J, Stefanko DP, Multani ML, Figueroa MA, **Wood MA**. (2010) Histone deacetylase activity in the hippocampus modulates long-term memory in a CBP-dependent manner. Prog#406.14. Society for Neuroscience Annual Meeting.
- A36) Barrett RM, Malvaez M, Arrizon A, Greene RW, **Wood MA** (2010) CBP regulates specific hippocampal histone modifications and gene expression associated with memory formation. Prog#407.8. Society for Neuroscience Annual Meeting.
- A37) Skucas VA, Mathews IB, Treister AK, Cheng Q, Schaner MJ, Verkman AS, **Wood MA**, Binder DK, Scharfman HE (2010) Altered synaptic plasticity and behavior in mice deficient in the glial water channel aquaporin-4. Prog#827.4. Society for Neuroscience Annual Meeting.
- A38) Malvaez M, Mhillaj E, **Wood MA** (2010) The histone acetyltransferase CREB-binding protein is critical for context-drug associated memory formation. Molecular and Cellular Cognition Society Annual Meeting.

- A39) McQuown SC, Barrett RM, Post RJ, Alenghat T, Mullican SE, Jones S, Rusche J, Lazar MA, **Wood MA** (2010) HDAC3 is a critical negative regulator of long-term memory formation. Prog#405.26. Society for Neuroscience Annual Meeting.
- A40) Mhillaj E, Malvaez M, Palmery M, **Wood MA** (2011) Focal deletion of CBP in the NAc affects histone acetylation, cocaine sensitivity, and context-cocaine associated memory formation. Congresso Nazionale Della Societa' Italiana Farmacologia.
- A41) Rogge GA, Singh H, Dang R, Multani M, **Wood MA** (2011) HDAC3 is a negative regulator of cocaine-induced conditioned place preference acquisition. Prog#264.15. Society for Neuroscience Annual Meeting.
- A42) McQuown SC, Rogge GA, Jones W, Rusche JR, **Wood MA** (2011) HDAC3 inhibition facilitates extinction of cocaine-induced conditioned place preference. Prog 264.16. Society for Neuroscience Annual Meeting.
- A43) Malvaez M, Mhillaj E, Matheos DP, **Wood MA** (2011) CBP in the nucleus accumbens regulates cocaine-induced histone acetylation and is critical for cocaine-associated behaviors. Prog 264.17. Society for Neuroscience Annual Meeting.
- A44) Rogge GA, Malvaez M, Rusche J, Carreiro S, Matheos D, **Wood MA** (2012) HDAC3 deletion in the mouse NAc facilitates cocaine-induced CPP acquisition. Prog. 170.04. Society for Neuroscience Annual Meeting.
- A45) Malvaez M, McQuown SC, Rogge GA, Jacques V, Carreiro S, Rusche J, **Wood MA** (2012) Novel class I HDAC inhibitor with HDAC3 selectivity enhances extinction and acquisition simultaneously. Prog. 814.20. Society for Neuroscience Annual Meeting.
- A46) Vogel-Ciernia A, Barrett RM, Matheos DP, Post RJ, Tran A, Azzawi S, **Wood MA** (2012) The role of Baf53b in regulating long-term memory formation. Prog. 814.21. Society for Neuroscience Annual Meeting.
- A47) Davatolhagh F, McNulty S, **Wood MA** (2012) The role of Nr4a1 and Nr4a2 in long-term memory formation. Annual Biomedical Research Conference for Minority Students (ABRCMS).
- A48) Davatolhagh F and **Wood MA** (2012) The role of NRA1 and NR4A2 in long-term memory formation. American Association for the Advancement of Science. Boston, MA.
- A49) Davatolhagh F and **Wood MA** (2012) The role of NR4A2 in long-term memory formation. Annual Biomedical Research Conference for Minority Students (ABRCMS). San Jose, CA.
- A50) Sheth S and **Wood MA** (2013) The role of HDAC3 in Gene Expression in the Dorsal Hippocampus. Berkeley Interdisciplinary Research Conference (BIRC). Berkeley, CA.
- A51) Davatolhagh F and **Wood MA** (2013) The role of NRA1 and NR4A2 in long-term memory formation. Berkeley Interdisciplinary Research Conference (BIRC). Berkeley, CA.
- A52) Bieszczad KM, Bechay K, Rusche JR, Weinberger NM, McGaugh JL, and **Wood MA** (2013) Epigenetic enhancement of remembering "what": An account of neuroplasticity that links

histone-deacetylase regulation of gene expression to adaptive changes in behavior. Prog. 192.15. Annual Society for Neuroscience meeting.

- A53) Vogel-Ciernia A, Matheos DP, Barrett R, Kramar EA, Azzawi S, Magnan CN, Zeller M, Dang R, Chabrier M, Babayan AH, Crabtree GR, Baldi P, Lynch G, and **Wood MA** (2013) The neuron-specific chromatin regulatory subunit BAF53b is necessary for epigenetic regulation of synaptic plasticity and memory. Prog 508.04. Annual Society for Neuroscience meeting.
- A54) Alagband Y, Kwapis JL, Astarabadi M, Raybuck JD, Matheos DP, Lattal KM, and **Wood MA** (2014) The role of HDAC3 in the acquisition and extinction of cocaine-cue memories. Prog. 54.10/W1. Annual Society for Neuroscience meeting.
- A55) White A and **Wood MA** (2014) The role of neuron specific nucleosome remodeling complex subunit BAF53b in cocaine-associated behaviors. Prog 54.11/W2. Annual Society for Neuroscience meeting.
- A56) Hitchcock LN, Raybuck JD, **Wood MA** and Lattal KM (2014) A histone deacetylase 3 inhibitor enhances extinction and attenuates reinstatement of self-administration in rats. Prog 54.12/W3. Annual Society for Neuroscience meeting.
- A57) Kwapis JL, Alagband Y, Matheos DP, Barrett RM, Sylvain A, Carl AE, and **Wood MA** (2014) HDAC3 in the dorsal hippocampus negatively regulates long-term memory consolidation for context fear. Prog 90.05/QQ20. Annual Society for Neuroscience meeting.
- A58) Vogel-Ciernia A, Matheos DP, Kramar E, Trieu B, Cox C, Magnan C, Zeller M, Tran A, Lopez A, Sakata K, Assawi S, Dang R, Barrett R, Baldi P, Lynch G, and **Wood MA** (2014) Subdomain 2 of the neuron-specific chromatin remodeling subunit BAF53b is required for synaptic plasticity and memory. Prog 90.06/QQ21. Annual Society for Neuroscience meeting.
- A59) Lopez AJ, White AO, Vogel-Ciernia A, and **Wood MA** (2014) Bi-directional pharmacogenetic manipulation of the CA1 using DREADDs leads to modulation in object location memory, but not object recognition memory. Prog 90.07/QQ22. Annual Society for Neuroscience meeting.
- A60) Kechay K, Bieszczad K, and **Wood MA** (2014) Specific details of auditory memory and cortical plasticity are mediated by HDAC3. Prog 749.27/TT68. Annual Society for Neuroscience meeting.
- A61) Hitchcock LN, Raybuck JD, Williams RG, **Wood MA**, Lattal KM (2015) Involvement of the dorsal hippocampus and HDAC3 in cocaine drug-seeking. Prog 144.15/J4. Annual Society for Neuroscience meeting.
- A62) Lopez AJ, Kramar E, Kwapis J, White AO, Matheos D, Vogel-Ciernia A, **Wood MA** (2015) Promoter specific effects of DREADD modulation on synaptic plasticity and hippocampal learning. Prog 256.17/X23. Annual Society for Neuroscience meeting.
- A63) Kwapis JL, Alagband Y, Kramar EA, Matheos D, Rhee D, Lopez AJ, **Wood MA** (2015) An epigenetic key to ameliorating synaptic plasticity and memory impairments in the aging brain. Prog 256.23/X29. Annual Society for Neuroscience meeting.

- A64) White AO, Matheos DP, Kramar EA, Lopez AJ, Doan J, Davatolhagh M, **Wood MA** (2015) The role of neuron-specific nucleosome remodeling complex subunit Baf53b in cocaine-associated memories. Prog. 256.27/X33. Annual Society for Neuroscience meeting.
- A65) Kwapis JL, Alagband Y, Matheos DP, Kramar EA, Lopez AJ, White AO, Rhee D, Michaels CM, and **Wood MA** (2016) The role of HDAC3 in age-related plasticity and memory dysfunction. Epigenetic and Metabolic Regulation of Aging and Aging-Related Diseases Keystone Conference, Santa Fe, NM.
- A66) L. ZHOU¹, A. HERVERA², I. PALMISANO², E. MCLACHLAN², G. KONG¹, T. HUTSON², M. DANZI³, F. DE VIRGILIS², **MA. WOOD**⁴, R. PUTTAGUNTA¹, S. DI GIOVANNI² (2016) HDAC3 signalling controls nerve regeneration Prog. 210.16. Annual Society for Neuroscience meeting.
- A67) A. C. MITCHELL¹, B. JAVIDFAR¹, L. K. BICKS¹, R. NEVE², K. GARBETT, PhD³, S. S. LANDER⁴, K. MIRNICS³, H. MORISHITA¹, **MA. WOOD**⁵, Y. JIANG¹, I. GAISLER-SOLOMON⁴, S. AKBARIAN¹ (2016) Longitudinal assessment of neuronal 3D genomes in mouse prefrontal cortex. Prog. 299.02. Annual Society for Neuroscience meeting.
- A68) L. N. HITCHCOCK¹, T. M. NAVIS¹, **M. A. WOOD**², K. M. LATTAL¹ (2016) Involvement of histone deacetylase 3 in extinction of reward-seeking behaviors. Prog. 541.10. Annual Society for Neuroscience meeting.
- A69) A. J. LOPEZ, M. E. ESPINOZA, K. M. SAKATA, A. O. WHITE, J. L. KWAPIS, A. AL-KACHAK, Y. ALAGHBAND, D. P. MATHEOS, **M. A. WOOD** (2016) Chemogenetic modulation of the medial habenula during cocaine action. Prog. 740.09. Annual Society for Neuroscience meeting.
- A70) A. O. WHITE, E. KRAMÁR, A. LÓPEZ, J. KWAPIS, J. DOAN, D. SALDANA, F. DAVATOLHAGH, Y. ALAGHBAND, M. BLURTON-JONES, D. MATHEOS, **MA. WOOD** (2016) BDNF rescues BAF53b-dependent synaptic plasticity and cocaine-associated memory in the nucleus accumbens. Prog. 740.25. Annual Society for Neuroscience meeting.
- A71) Y. ALAGHBAND, J. L. KWAPIS, R. DANG, O. V. AIMIUWU, A. AL-KACHAK, A. O. WHITE, A. J. LOPEZ, K. M. LATTAL, D. P. MATHEOS, **M. A. WOOD** (2016) The role of HDAC3 in object location memory formation and the acquisition and extinction of cocaine-associated memory. Prog. 740.26. Annual Society for Neuroscience meeting.
- A72) J. L. KWAPIS, Y. ALAGHBAND, E. A. KRAMÁR, A. J. LÓPEZ, A. O. WHITE, D. RHEE, C. M. MICHAEL, G. SHU, D. P. MATHEOS, **M. A. WOOD** (2016) The role of HDAC3 in age-related plasticity and memory dysfunction. Prog. 743.18. Annual Society for Neuroscience meeting.
- A73) T. J. HEMSTEDT, E. A. KRAMÁR, Y. ALAGHBAND, D. P. MATHEOS, J. J. BANIHAN, **M. A. WOOD** (2017) Role of CREST in synaptic plasticity and memory formation. Prog. 428.12. Annual Society for Neuroscience meeting.
- A74) K. LINKER, **M. A. WOOD**, P. TAWADROUS, F. M. LESLIE (2017) Nicotine increases limbic microglial expression and cocaine self-administration in the adolescent rat by a D2 receptor mechanism. Prog. 564.20. Annual Society for Neuroscience meeting.
- A75) X. LIN, S. GRIECO, S. JIN, P. ZHOU, Q. NIE, T. SHUMAN, P. GOLSHANI, J. KWAPIS, **M. WOOD**, D. BAGLIETTO-VARGAS, F. LAFERLA, X. XU (2017) In vivo calcium imaging of

hippocampal neuronal network activity associated with memory behavior deficits in the Alzheimer's disease mouse model. Prog. 570.13. Annual Society for Neuroscience meeting.

- A76) A. J. LOPEZ, P. H. HWANG, O. CHITNES, R. R. CAMPBELL, J. L. KWAPIS, Y. ALAGHBAND, T. HEMSTEDT, D. P. MATHEOS, **M. A. WOOD** (2017) Nr4a2 in the medial habenula is a molecular regulator of cocaine reinstatement behaviors. Prog. 704.23. Annual Society for Neuroscience meeting.
- A77) D. BAGLIETTO-VARGAS, S. FORNER, A. C. MARTINI, L. TRUJILLO-ESTRADA, C. NUÑEZ-DIAZ, E. A. KRAMAR, S. JIANG, D. P. MATHEOS, C. DA CUNHA, A. GUTIERREZ, K. N. GREEN, **M. A. WOOD**, A. MORTAZAVI, G. R. MACGREGOR, A. J. TENNER, F. M. LAFERLA (2018) hAb-KI mice: A novel tool for investigating risk factors in sporadic Alzheimer's cases. Prog. 713.04. Annual Society for Neuroscience meeting.
- A78) S. FORNER, D. BAGLIETTO-VARGAS, L. TRUJILLO-ESTRADA, A. CADETE MARTINI, E. A. KRAMAR, S. JIANG, D. MATHEOS, C. DA CUNHA, K. C. GREEN, **M. A. WOOD**, A. MORTAZAVI, G. R. MACGREGOR, A. J. TENNER, F. M. LAFERLA (2018) hAb-KI: A knock-in mouse model for sporadic Alzheimer's disease. Prog. 467.02. Annual Society for Neuroscience meeting.
- A79) A. OBLAK, H. WILLIAMS, M. SASNER, D. BAGLIETTO-VARGAS, **M. A. WOOD**, S. A. MORTAZAVI, K. N. GREEN, S. FORNER, G. CARTER, S. RIZZO, P. R. TERRITO, G. MACGREGOR, G. R. HOWELL, A. J. TENNER, F. M. LAFERLA, B. LAMB (2018) MODEL-AD: Late-onset Alzheimer's disease models. Prog. 467.03. Annual Society for Neuroscience meeting.
- A80) G. R. HOWELL, H. WILLIAM, M. SASNER², A. OBLAK, G. CARTER, S. RIZZO, P. R. TERRITO, S. FORNER, **M. A. WOOD**, A. MORTAZAVI, G. MACGREGOR, A. J. TENNER, K. N. GREEN, F. M. LAFERLA, B. T. LAMB (2018) Model-ad: Standardized characterization of familial Alzheimer's disease models (5xfad, 3xtg-ad, app/ps1, and htau). Prog. 467.06. Annual Society for Neuroscience meeting.
- A81) M. MAHAVONGTRAKUL, C. COX, E. KRAMAR, J. NOCHE, R. CAMPBELL, A. TRAN, C. CHINN, **M. WOOD**, J. BUSCIGLIO (2018) The anti-epileptic drug Levetiracetam partially restores impaired hippocampal long-term potentiation in mice lacking synaptic zinc. Prog. 049.14. Annual Society for Neuroscience meeting.
- A82) J. L. KWAPIS, Y. ALAGHBAND, E. KRAMA, A. LOPEZ¹, A. VOGEL CIERNIA, A. WHITE, G. SHU, Y. LIU, C. MAGNAN, P. SASSONE-CORSI, P. BALDI, D. MATHEOS, **M. WOOD** (2018) Epigenetic regulation of the circadian gene Per1 contributes to age-related impairments in long-term memory. Prog. 512.01. Annual Society for Neuroscience meeting.
- A83) R. R. CAMPBELL, E. A. KRAMAR, A. J. LOPEZ, D. P. MATHEOS, T. J. HEMSTEDT, **M. A. WOOD** (2018) HDAC3 regulation of cocaine-induced plasticity and cocaine-associated learning in nucleus accumbens cell subtypes. Prog. 506.15. Annual Society for Neuroscience meeting.
- A84) X. LIN, L. CHEN, Y. ZHANG, Y. WU, **M. A. WOOD**, X. XU (2018) Epigenetic regulation of neuronal ensemble activity to enhance spatial learning and memory. Prog. 509.15. Annual Society for Neuroscience meeting.

- A85) T. YU, E. A. KRAMÁR, S. PARIEVSKY, T. L. VU, **M. A. WOOD**, A. S. IVY (2018) A unique mouse model of early-life exercise enables lasting hippocampal synaptic plasticity and memory. Prog. 425.18. Annual Society for Neuroscience meeting.
- A86) C. CHEN, T. J. HEMSTEDT, C.-K. LAU, **M. A. WOOD**, A. LUPTAK (2018) The effect of CPEB3 ribozyme self-scission on mRNA maturation in the mouse hippocampus. Prog. 465.10. Annual Society for Neuroscience meeting.
- A87) Y. ALAGHBAND, E. KRAMAR, J. L. KWAPIS, E. S. KIM, T. J. HEMSTEDT, A. J. LOPEZ, A. O. WHITE, A. AL-KACHAK, O. V. AIMIUWU, K. K. BODINAYAKE, N. C. OPARAUGO, J. HAN, K. M. LATTAL, **M. A. WOOD** (2018) CREST in the nucleus accumbens core regulates cocaine-associated memory formation and synaptic plasticity. Prog. 506.16. Annual Society for Neuroscience meeting.
- A88) Baglietto-Vargas D, Cai L, Forner S, Martini AC, Trujillo-Estrada L, Cunha C, Mortazavi A, **Wood MA**, Green KN, MacGregor G, Tenner AJ and LaFerla FM (2018) hA β -KI: A knock-in Mouse Model for Sporadic Alzheimer's Disease. Alzheimer's Association International Conference.
- A89) Kim HK, Nguyen T, Bui AD, Felong S, Vogel-Ciernia A, **Wood MA**, Soltesz I (2018) Effects of optogenetic seizure control on spatial learning and memory. Center for the Neurobiology of Learning and Memory International Meeting.
- A90) Lopez AJ, Jia Y, Lynch G, **Wood MA** (2019) Epigenetic mechanisms in the medial habenula control reinstatement. NIDA Genetics Consortium Meeting.
- A91) R. R. CAMPBELL, E. KRAMAR, J. BEARDWOOD, A. L. LOPEZ, O. CHITNIS, J. BANIHANI, L. PHAM, D. MATHEOS, **M. WOOD** (2019) Cell type specific role of HDAC3 within the NAc in regulating cocaine-induced plasticity. Prog. 328.19. Annual Society for Neuroscience meeting.
- A92) C. CHEN, L. TONG, M. NIKAN, C. W. COTMAN, E. SWAYZE, **M. A. WOOD**, A. LUPTAK (2019) Self-cleaving CPEB3 ribozyme regulates pre-mRNA processing and modulates polyadenylation in the mouse hippocampus. Prog. 648.02. Annual Society for Neuroscience meeting.
- A93) C. LO, R. AZEVEDO, A. A. KEISER, M. PETERS, **M. A. WOOD**, S. P. GANDHI, D. G. WHEELER (2019) Brain wide measurement of neuronal activity at cellular resolution. Prog. 648.10. Annual Society for Neuroscience meeting.
- A94) A. A. KEISER, C. W. BUTLER, E. A. KRAMÁR, D. P. MATHEOS, N. C. BERCHTOLD, S. CHEN, M. SAMAD, C. MAGNAN, P. BALDI, C. W. COTMAN, **M. A. WOOD** (2019) Effects of exercise on memory performance and hippocampal gene expression. Prog. 691.08. Annual Society for Neuroscience meeting.
- A95) C. W. BUTLER, A. A. KEISER, J. L. KWAPIS, N. C. BERCHTOLD, V. L. WALL, **M. A. WOOD**, C. W. COTMAN (2019) Exercise engages a molecular memory for enhanced cognitive improvement from subsequent physical activity. Prog. 691.09. Annual Society for Neuroscience meeting.
- A96) Keiser AA, et al., Wood MA (2020) Effects of exercise on memory performance, synaptic plasticity and hippocampal gene expression. Pavlovian Society Annual Meeting.

- A97) Keiser AA, et al., Wood MA (2020) Exercise opens a ‘molecular memory window’ to facilitate memory and synaptic plasticity. Annual Society for Neuroscience meeting (virtual)
- A98) Dong T, et al., Wood MA (2020) Examining the ‘molecular memory’ of exercise-enhanced learning. Annual Society for Neuroscience meeting (virtual)
- A99) Chinn C, et al., Wood MA (2020) Examining age-dependent DNA methylation patterns and gene expression in the male and female hippocampus. Annual Society for Neuroscience meeting (virtual)
- A100) J. ROUNDS, E. KRAMÁR, M. WOOD; (2021) Sex differences in the role of GILZ underlying formation and maintenance of drug-associated memory. P733.02. Annual Society for Neuroscience meeting
- A101) A. A. KEISER, T. DONG, E. A. KRAMÁR, C. BUTLER, D. P. MATHEOS, L. TONG, N. C. BERCHTOLD, S. CHEN, M. SAMAD, C. MAGNAN, J. BEARDWOOD, S. SHANUR, A. RODRIGUEZ, P. BALDI, C. W. COTMAN, M. A. WOOD (2021) Exercise opens a ‘molecular memory window’ to facilitate changes in gene expression, synaptic plasticity and memory. P846.01. Annual Society for Neuroscience meeting
- A102) D. G. WHEELER, C. LO, A. MURRY, N. GUANZON, A. A. KEISER, M. PETERS, M. A. WOOD, R. AZEVEDO, S. GANDHI (2021) Brain-wide cellular resolution snapshots of neuronal activity with Npas4 and cFos. P924.08. Annual Society for Neuroscience meeting
- A103) Hwu P, Sun ME, Lee RS, Dhallwai MS, Wood MA, Thompson-Peer KL (2021) Overexpression of the chromatin remodeling factor Baf53b enhances in-vivo dendrite regeneration morphology in Drosophila peripheral neurons. CNCM Symposium, UC Irvine.
- A104) Julienne A, Noarbe B, Keiser A, Trinh M, Kramar E, Wood MA, Obenaus A (2021) Diffusion MRI alterations coincide with memory deficits in a novel hAbetaKI mouse model of AD. AAIC Conference.
- A105) Keiser AA, et al., Wood MA (2021) Exercise opens a ‘molecular memory window’ to facilitate changes in gene expression, synaptic plasticity and memory. ACNP Annual Meeting, Puerto Rico.
- A106) Childs J, Morabito S, Das S, Santelli C, Alizo V, Pham V, Kusche K, Matheos DP, Swarup V, Wood MA (2022) Dominant negative of transcription factory NR4A2 in medial habenula attenuates reinstatement of cocaine self-administration in mice. NIDA Genetics and Epigenetics Cross Cutting Research Team annual meeting.
- A107) Rodriguez AC, Keiser AA, Kramar EA, Dong T, Kwapis JL, Matheos DP, Wood MA (2022) Phosphorylation state of histone deacetylase 3 (HDAC3) modulates long-term memory formation and synaptic plasticity. ReMIND annual symposium, UC Irvine.
- A108) Keiser AA, et al., Wood MA (2022) Exercise parameters that open a molecular memory window for cognitive enhancement shine light on key memory mechanism in the adult, aging, and AD brain. ReMIND annual symposium, UC Irvine.
- A109) Walker A, Collins S, Shi KX, Wang S, Allen A, Kawauchi S, Wood MA, MacGregor G, Neumann J (2022) Use of Tsc22d3-mutant mice as genetically vasectomized males. American Association for Laboratory Animal Science regional meeting.

A110) Wheeler D,...Wood MA...Gandhi S (2022) Brain-wide cellular resolution measurement of neuronal activity, microglial activation and beta-amyloid deposition. AD/PD annual conference.

Current Research Support:

R01 AG076835 (Multiple-PI: Wood, Cotman) 07/2022 – 06/2027

NIA

Title: *Investigating the interface of epigenetics and metabolism underlying memory formation in the adult, aging, and AD brain*

R21 AG078978 (Multiple-PI: Wood, Downing) 07/2022 - 06/2023

NIH/NIA

Title: Development of an epigenetic clock that predicts age-impaired or age-unimpaired cognitive performance

U01 DA051965 (Multiple-PI: Mahler, Baram, Swarup, Fowler) 7/1/2022-6/30/2027

NIH/NIDA

Title: Dynamic epigenomic landscape of opioid abuse following early-life adversity.

Role: Co-Investigator

R01 DA047441 (Multiple-PI: Wood, Lynch) 6/1/2020 – 5/30/2025

NIDA

Title: *Epigenetic mechanisms in the medial habenula governing drug-seeking behavior*

The goal of this project is to investigate an epigenetic mechanism in the medial habenula of the endogenous reward pathway related to the reinstatement of drug-seeking behavior.

T32DA050558 (PI: Wood) 06/01/2020-05/30/2025

NIDA

Title: *Training Program in Substance Use and Use Disorders*

The goal of this training grant is to provide trainees with an educational and research training program that will position upcoming scientists to address key scientific issues in the addiction field.

R01DA047981 (Multiple-PI: Wood, Lattal) 07/1/2019–06/31/2024

NIDA

Title: *Mechanisms of maladaptive memory formation and suppression in a preclinical model of the comorbidity between PTSD and addiction.*

The goal of this project is to use a rodent preclinical model of the comorbidity between post-traumatic stress disorder and substance use disorder to characterize behavioral and molecular mechanisms that contribute to the establishment and reversal of the long-term effects of trauma on drug-seeking behaviors.

R25 NS112136 (Multiple-PI: Mota-Bravo/ de la Cruz/Wood) 07/01/2019-06/30/2024

NINDS

Title: *Broadening Research Achievement in Neurosciences (BRAiN) for a Diverse Workforce*

The goal of this project is to train underrepresented community college and UC Irvine undergraduates majoring in a STEM discipline to enter and excel in Ph.D. programs in neurosciences.

R01DA046679 (PI: Wassum) 04/01/2019-3/31/2024
NIDA

Title: Epigenetic regulation of striatal circuit function for action and habit learning

The goal of this project is to understand the epigenetic mechanisms that allow habits to form and control behavior and will enable future research on how dysfunction in these processes contributes to pathological compulsive drug seeking behaviors.

Role: Co-Investigator

R01 NS083801 (Multiple-PI: Green, Wood) 02/01/2020-01/31/2024
NINDS

Title: Origins, properties, and therapeutic potential of cells that repopulate the microglia-depleted adult brain

The goal of this project is to identify the cellular sources of both of these repopulation routes, and explore the consequences of filling the brain with “alternative” microglia on brain homeostasis and progression of Alzheimer’s disease; additionally, we will explore the mechanism by which repopulation rejuvenates the aged brain and fully restores long-term potentiation to that of a young animal

RF1 AG057558 (Multiple-PI: Cotman, Wood) 08/01/2018–04/30/2023
NIA

Title: Epigenetic suppression of histone methylation reverses age and AD-related cognitive decline

The goal of this project is to examine a specific histone methylation mechanism involved in memory and its dysregulation in the aging and AD brain.

R01DA044960 (PI: Morrow) 09/30/2018-07/31/2023
NIDA

Title: Individual Differences in Epigenetic Regulation of Emotional Learning

The goal of this project is to examine epigenetic mechanisms underlying the difference between goal and sign trackers in memory processes.

Role: Co-Investigator

U54 AG054349 (PI: LaFerla, Tenner) 09/15/2017-08/31/2027
NIA

Title: UC Irvine AD Translational Center for Disease Model Resources

The focus of this project is to develop the next generation of animal models of Alzheimer’s disease using recently identified genetic risk alleles combined with humanized APP, tau and APOE proteins that should better recapitulate the etiology and progression of human Alzheimer’s disease.

Role: Co- Investigator

Pending Research Support:

R01 AG081610 (Multiple-PI: Green, Swarup, MacGregor, Wood, LaFerla)
NIH/NIA

Title: Cell type contributions of Abeta to Alzheimer’s disease pathogenesis

Completed Research Support:

P50 DA044118 (PI: Piomelli)
NIDA

07/01/2018-6/30/2022

Title: ICAL: Impact of Cannabinoids Across the Lifespan.

This P50 funds the creation of a NIDA Center of Excellence, called Impact of Cannabinoids Across the Lifespan (ICAL), to examine the short- and long-term effects of non-physiological activation of the endocannabinoid system in adolescence leading to persistent changes in cognition and motivated behaviors.

Role: Co-Investigator, Co-Director

R21AG067613 (Multiple-PI: Wood, Obenaus)
NIA

07/1/2020-06/31/2022

Title: Identifying a physiological basis for accelerated memory and synaptic plasticity vulnerability in females with AD pathology.

The goal of this project is to use live animal imaging techniques as well as to develop a novel PET ligand for synaptic density to assess synaptic structure and function to examine sex differences in vulnerability to AD pathology.

R01 AG060148 (PI: Tenner/Mortazavi)
NIA

09/15/2018-05/31/2022

Title: Defining the Mechanistic Link between C5aR1 signaling and cognitive loss in Alzheimer's diseases

The goal of this project is to investigate the mechanistic pathway from inhibition of the receptor to preservation of cognitive function, to provide further justification to move this therapeutic lead toward clinical trials for slowing the progression of cognitive loss in AD.

Role: Co-Investigator

R01 AG051807 (Multiple-PI: Wood, Cotman)
NIA

05/15/2016-01/31/2021

Title: Exercise-induced epigenetic mechanisms underlying neuronal plasticity and cognition

The goal of this project is to investigate a novel hypothesis that exercise establishes a type of "molecular memory" for the exercise stimulus, which regulates the frequency and duration of subsequent intermittent exercise that is needed to maintain cognitive benefits.

Track 2 Award (PI: Wood)
UC Irvine

02/01/2016-12/31/2020

Title: UCI Center for Addiction Neuroscience (ICAN)

The goal of this project is to establish the UC Irvine Center for Addiction Neuroscience and fund an annual symposium, a seminar series, pilot research, and other activities.

R01 DA025922 (Multiple-PI: Wood, Lattal)
NIDA

9/15/2008-02/28/2020

Title: Behavioral and Epigenetic Mechanisms in Extinction of Cocaine-Induced Memories

The goal of this project is to investigate the role of chromatin modifying enzymes in mechanisms of extinction of drug-seeking behavior.

* Received Administrative Supplement to this grant on 9/2014 to establish slice electrophysiology in the lab.

R01 MH101491 (multiple PI: Wood, Lynch) 07/01/2013-04/30/2019

NIMH

Title: Role of Neuron-Specific Nucleosome Remodeling in Intellectual Disability

The goal of this project is to investigate the role of nucleosome remodeling in long-term memory, long-term potentiation, and gene regulation.

* Received Diversity Supplement to this grant on 1/2016 to promote diversity in health-related research by supporting Alberto Lopez, a former graduate student in the lab.

CalBRAIN 350030 (PI: Wood, Yassa, Hooker) 06/01/2015-11/30/2019

Title: Epigenetic PET tracer for cross-species investigation of age-related memory dysfunction

The goal of this project is to characterize the use of a radioligand for HDAC density and distribution in the brain.

R21 AG050787 (PI: Wood) 05/01/2016-1/31/2019

NIA

Title: Role of HDAC3 in repressing memory formation in the aging brain.

The goal of this project is to investigate the role of HDAC3 as a key negative regulator of long-term memory formation in the aging brain.

SBIR Phase I DA041946 (Subcontract) 05/15/2016-04/30/2018

NIDA

Title: Selective HDAC3 Inhibitors as a Novel Therapy for Drug Addiction

The goal of this project is to determine whether KDAc HDAC3 selective inhibitors can effectively increase the rate and persistence of extinction of cocaine-context associated memories.

Role: Co-I

SBIR Phase I MH110310 (Subcontract) 03/21/2016-02/28/2018

NIMH

Title: Small Molecule Selective HDAC3 Inhibitors as a Novel Therapy for PTSD

The goal of this project is to determine whether KDAc HDAC3 selective inhibitors can effectively increase synaptic plasticity in circuits involved in extinction as well as increase the rate and persistence of extinction of fear memory.

Role: Co-I

DOD 9369SC (Subcontract; PI. Lattal) 03/01/2016-05/31/2018

Title: HDAC inhibition as a mechanism to reduce fear related responses.

Role: subcontract

R01 DA036984 (multiple PI: Wood and Akbarian) 07/01/2013-3/31/2017

NIDA

Title: Coordinate Gene Expression via Nucleosome Remodeling and Chromosomal Looping

The goal of this project is to investigate the role of nucleosome remodeling in regulating gene expression required for cocaine-induced behaviors via chromosomal looping.

Sponsored Research Project (PI. Wood) 5/1/2015-12/31/2016

KDAc Therapeutics

Title: Development of Novel Selective HDAC Inhibitors

The goal of this project is to investigate how novel and selective HDAC inhibitors affect drug-seeking behavior

R21 DA031989

(PI: Wood)

7/01/2011-6/30/2014

NIDA

Title: Histone deacetylases: Regulators of cocaine reward and targets for therapeutics.

The goal of this project is to investigate a specific HDAC in the acquisition and consolidation of drug-dependent memory formation.

R01 MH081004

(PI. Wood)

8/11/2008-3/31/2014

NIMH

Title: Chromatin Remodeling and Memory Storage

The goal of this project is to investigate the role of chromatin modifying enzymes in regulating transcription required for memory processes.

* Received a revision supplement award to this grant for “Re-Entry into Biomedical and Behavioral Careers (for Susan McNulty, a former postdoc in my lab)” on 9/2009-9/2012.

Sponsored Research Project (PI. Wood)

9/1/2010-8/31/2012

Repligen Corporation

Title: Development of Novel Selective HDAC Inhibitors

The goal of this project is to investigate how novel and selective HDAC inhibitors affect drug-seeking behavior

Project #2007-12-106

(PI. Wood)

1/01/2008-3/31/2011

Whitehall Foundation

Title: The Role of Chromatin Remodeling in Specific Memory Systems

The goal of this project is to use viral generated focal deletions of CBP to investigate the role of CBP and histone acetylation in the hippocampus versus the amygdala.

Administrative Service:

2006-2008	Organizer, Colloquium Series for the Center for the Neurobiology of Learning and Memory (CNLM)
2006-2008	Bonney Vivarium Committee
2006-2009	Cross-Cultural Center Mentorship Program
2007	Organizer, 2007 Spring Meeting for the CNLM
2007-2008	ARAC subcommittee on Animal Core Facilities
2007-2009	Excellence in Research and Honors Committee
2007-2014	Interdepartmental Neuroscience Program Admissions Committee
2007-2014	Interdepartmental Neuroscience Program Executive Committee
2007-2008	Member, Neurobiology Undergraduate Major Advisory Board
2008-2012	Chair, Neurobiology Undergraduate Major Advisory Board
2007-2013	Graduate student Neuroblitz colloquium Faculty Liason
2008-2009	Faculty Search Committee, Dept. of Neurobiology & Behavior
2008-2009	Department Website Committee, Dept. of Neurobiology & Behavior
2008	Panel member for Society for Neuroscience Diversity meeting
2009	Chair of organizing committee for 2009 Spring Meeting for the CNLM
2009-2012	UCI Faculty Advisor, Nu Rho Psi National Honor Society in Neuroscience
2009-2010	Organizer, 2010 Spring Meeting for the CNLM
2009-2010	Undergraduate Teaching Committee, Dept. of Neurobiology and Behavior
2010	Faculty Moderator, 2010 Undergraduate Research Symposium, UROP
2010-2011	Member, Assistant Prof. Search Committee, Dept. of Neurobiology & Behavior
2011-2014	Faculty Mentoring Committee, Dept of Neurobiology & Behavior
2011	Moderator for Career Choices for PhDs in Biology panel, School of Biological Sciences
2011-2012	ARAC Security Committee
2011-2013	ARAC Space Committee
2011-2014	Director, Interdepartmental Neuroscience Program
2011	Organizer, 2011 Fall Meeting for the CNLM
2011-2012	Member, Assistant Prof. Search Committee, Dept. of Neurobiology & Behavior
2012-2013	Member, Strategic Planning Committee, Dept. of Neurobiology & Behavior
2012	Chair, Retreat Committee, Dept. of Neurobiology & Behavior
2013-2015	ACNP Minority Task Force
2013	Chair, Assistant Prof. Search Committee, Dept. of Neurobiology & Behavior
2013-2014	Member, Department of Psychiatry Chair Search Committee
2014-present	Member, Minority Science Program MARC Advisory Committee
2014-present	Member, Dean's Administrative Cabinet
2014-present	Member, School of Biological Science Council on Academic Personnel (BioCAP)
2014-present	Chair, Department of Neurobiology and Behavior
2016-2017	Member, Dept of Anatomy and Neurobiology Chair Search Committee
2016-present	Director, UC Irvine Center for Addiction Neuroscience (ICAN)
2017-2018	Member, Search Committee for Assistant Professor, UCI MIND
2017-2018	Member, Search Committee for Epilepsy Cluster hire, UCI Medical School
2017	Chair, Search Committee for Associate Dean of Undergraduate Education, School of Biological Sciences
2017	Chair, Adhoc review committee for Office of the Vice Provost for Academic Personnel
2017-2018	Provost Leadership Academy, UCI
2017-2018	Member, School of Biological Sciences Adhoc Review Committee
2018	EH&S Safety Video, UCI

2018-present	Internal Advisory Board member, NIMH P50 (Fragmented early-life experiences, aberrant circuit maturation, emotional vulnerabilities; PI: Dr. Tallie Z. Baram)
2019-2020	Member, Search Committee for Chair of Neurology, SOM, UCI
2020-2022	Member, American College of Neuropsychopharmacology (ACNP) Education & Training Committee
2020-present	Member, Advisory Committee for Center for Neural Circuit Mapping, UCI
2020-2021	Chair, School of Biological Sciences Lab Committee, UCI
2020	Senior Mentor, Society for Biological Psychiatry (mentored and edited an Early Career Investigator Commentary written by Dr. James Stafford for <i>Biological Psychiatry</i>)
2020-present	Mentor, Center for Underrepresented Research In Addiction (CURA), NIDA-sponsored program to provide mentoring for 10 URM junior PIs
2021-2022	Member, UCI ICTS Director Search Committee
2021-2022	Participant, Culturally Aware Mentoring program sponsored by National Research Mentoring Network and NIH
2022-present	Member, Search Committee for Founding Director of Noel Drury Center for Depression Research
2022-present	Executive Board Member, Hewitt Foundation
2022-present	Council Member, Molecular and Cellular Cognition Society (MCCS)

Graduate Student Committees

Pre-Advancement Committees

2006-2009	1-Courtney Rice	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2006-2008	2-Michael Hanna	(Dr. Jorge Busciglio, Dept. of Neurobiology & Behavior)
2007-2008	3-Nicholas Castello	(Dr. Frank LaFerla, Dept. of Neurobiology & Behavior)
2008-2010	4-Rosaysela Santos	(Dr. Anne Calof, Dept. of Anatomy & Neurobiology)
2008-2010	5- Melissa Malveaz	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2009-2011	6-Tracy Cole	(Dr. Andrea Tenner, Dept. of Neurobiology & Behavior)
2009-2011	7-Soren Fischbach	(Dr. Thomas J. Carew, Dept. of Neurobio & Behavior)
2009-2011	8-Kristoffer Myczek	(Dr. Frank LaFerla, Dept. of Neurobiology & Behavior)
2009-2011	9-Leila Feinberg	(Dr. Norbert Fortin, Dept. of Neurobiology & Behavior)
2009-2011	10-Meredith Chabrier	(Dr. Frank LaFerla, Dept. of Neurobiology & Behavior)
2010-2011	11-Yasaman Alaghband	(Dr. John Marshall, Dept. of Neurobiology & Behavior)
2010-2011	12-Michelle Allen	(Dr. Karina Cramer, Dept. of Neurobiology & Behavior)
2011-2012	13-Jessica Cope	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2011	14-Ronald Seese	(Dr. Christine Gall, Dept. of Anatomy & Neurobiology)
2011-2012	15-Ana Nagel	(Dr. Susana Cohen-Cory, Dept. of Neurobiology & Behav)
2011-2013	16-Conor Cox	(Dr. Gary Lynch, Dept. of Anatomy & Neurobiology)
2012-2014	17- Andre White	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2012-2014	18-Natalie Goldberg	(Dr. Blurton-Jones, Dept. of Neurobiology & Behavior)
2012-2013	19-Elise Kleeman	(Dr. Sumikawa, Dept. of Neurobiology & Behavior)
2012	20-Hyuna Lee	(Dr. Borrelli, Dept. of Anatomy & Neurobiology)
2012-2014	21-James Lim	(Dr. Daniele Piomelli, Dept. of Pharmacology)
2012-2015	22-Hannah Kim	(Dr. Ivan Soltez, Dept. of Anatomy & Neurobiology)
2012-2014	23-Joseph Ochaba	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2012-2015	24-Natalie Goldberg	(Dr. Blurton-Jones, Dept. of Neurobiology & Behavior)
2014-2015	25-Matt Mahavongtrakul	(Dr. Tim Bredy, Dept. of Neurobiology & Behavior)
2014-2015	26-Vanessa Wall	(Dr. Carl Cotman, Dept. of Neurobiology & Behavior)
2014-2016	27- Alberto Lopez	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2015-2019	28-Kay Linker	(Dr. Frances Leslie, Dept. of Pharmacology)

2016-2018	29-Rianne Campbell	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2016-2019	30-Eva Morozko	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2018-2019	31-Marketta Kachemov	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2018-2019	32-Andra Ionescu	(Dr. Carl Cotman, Dept. of Neurobiology & Behavior)
2018-2019	33-Mitchell Farrell	(Dr. Steve Mahler, Dept. of Neurobiology & Behavior)
2018-2021	34-Angeline Dukes	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2018-2020	35-Yen-Chu (Andrew) Chen	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2019-2020	36-Jennifer Yonan	(Dr. Steward Oswald, Dept of Anatomy & Neurobiology)
2020-2022	37-Jake Rounds	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2020-2022	38-Carlene Chinn	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2021-present	39-Vanessa Alizo	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2021-present	40-Alyssa Rodriguez	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2021-present	41-Rocia Barahona	(Dr. Kim Green, Dept. of Neurobiology & Behavior)
2021-present	42-Lizzy Hubbard	(Dr. Kevin Beier, Dept. of Biophysics & Physiology)
2021-present	43-Kasuni Bodinayake	(Dr. Sean Ostlund, Dept. of Anesth & Perioperative Care)
2021-present	44-Samatha Cheeks	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2021-present	45-Jharryayne McKnight	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)

Advancement Committee

2006	1-Xiaojing Ye	(Dr. Thomas J. Carew, Dept. of Neurobiology & Behav)
2006	2-Gary Philips	(Dr. Thomas J. Carew, Dept. of Neurobiology & Behav)
2007	3-Steve Boikess	(Dr. John Marshall, Dept. of Neurobiology & Behavior)
2008	4-Noah Gross	(Dr. John Marshall, Dept. of Neurobiology & Behavior)
2008	5-Ruth Barrett	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2008	6-Dee Duangdao	(Dr. Rainer Reinscheid, Dept. of Pharmacology)
2008	7-Michael Hanna	(Dr. Jorge Busciglio, Dept. of Neurobiology & Behavior)
2008	8-Ashley Fricks	(Dr. John Marshall, Dept. of Neurobiology & Behavior)
2008	9-Jennifer Dwyer	(Dr. Frances Leslie, Dept. of Pharmacology)
2008	10-Monica Arnold	(Dr. Frances Leslie, Dept. of Pharmacology)
2008	11-Nicole Shirkey	(Dr. Susana Cohen-Corey, Dept. of Neurobiology & Beh)
2009	12-Courtney Rice	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2009	13-Wei Si	(Dr. Rainer Reinscheid, Dept. of Pharmacology)
2010	14-Autumn Ivy	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2010	15-Alex Babayan	(Dr. Christine Gall, Dept. of Neurobiology & Behavior)
2010	16-Melissa Malvaez	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2010	17-Alex Pevzner	(Dr. John Guzowski, Dept. of Neurobiology & Behavior)
2010	18-Rosaysela Santos	(Dr. Anne Calof, Dept. of Anatomy & Neurobiology)
2011	19-Celina Mojica	(Dr. Frances Leslie, Dept. of Pharmacology)
2011	20-Matt Costello	(Dr. Frances Leslie, Dept. of Pharmacology)
2011	21-Tracy Cole	(Dr. Andrea Tenner, Dept. of Neurobiology & Behavior)
2011	22-Shawn McClelland	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2011	23-Meredith Chabrier	(Dr. Frank LaFerla, Dept. of Neurobiology & Behavior)
2011	24-Yasaman Alaghband	(Dr. John Marshall, Dept. of Neurobiology & Behavior)
2011	25-Ryan Schutte	(Dr. Martin Smith, Dept. of Anatomy & Neurobiology)
2011	26-Michelle Allen	(Dr. Karina Cramer, Dept. of Neurobiology & Behavior)
2011	27-Kristoffer Myczek	(Dr. Frank LaFerla, Dept. of Neurobiology & Behavior)
2011	28-Maria Torres	(Dr. Jorge Busciglio, Dept. of Neurobiology & Behavior)
2011	29-Ronald Seese	(Dr. Christine Gall, Dept. of Anatomy & Neurobiology)
2011	30-Annie Vogel-Ciernia	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2012	30-Ana Nagel	(Dr. Susana Cohen-Cory, Dept. of Neurobioloy & Behav)

2012	31-Jessica Cope	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2012	32-Hyuna Lee	(Dr. Borrelli, Dept. of Anatomy & Neurobiology)
2012	33-Yulin Shi	(Dr. Xiangmin Xu, Dept. of Anatomy & Neurobiology)
2013	34-Elise Kleeman	(Dr. Katumi Sumikawa, Dept. Neurobiology & Behavior)
2013	35-Conor Cox	(Dr. Gary Lynch, Dept. of Psychiatry)
2014	36-Natalie Goldberg	(Dr. Blurton-Jones, Dept. of Neurobiology & Behavior)
2014	37-James Lim	(Dr. Daniele Piomelli, Dept. of Anatomy & Neurobiol)
2014	38-Joseph Ochaba	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2014	39-Daisy Reynaga	(Dr. Frances Leslie, Dept. of Pharmacology)
2014	40-Andre White	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2016	41-Eva Morozko	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2016	42-Alberto Lopez	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2016	43-Zachariah Reagh	(Dr. Mike Yassa, Dept. of Neurobiology & Behavior)
2017	44-Kay Linker	(Dr. Frances Leslie, Dept. of Pharmacology, Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2017	45-Eva Morozko	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2018	46-Amanda McQuade	(Dr. Blurton-Jones, Dept. of Neurobiology & Behavior)
2018	47-Rianne Campbell	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2019	48-Yasmine Sherafat	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2019	49-Marketta Kachemov	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2019	50-Mitch Farrell	(Dr. Steve Mahler, Dept. of Neurobiol & Behavior)
2019	51-Andra Tucker	(Dr. Carl Cotman, Dept. of Neurobiol & Behavior)
2019	52-Robert Lewis	(Dr. Emiliana Borrelli, Dept. of Microbiol and Mol Genetics)
2020	53-Jennifer Yonan	(Dr. Os Steward, Dept. of Anatomy & Neurobiology)
2020	54-Yen-Chu (Andrew) Chen	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2020	55-Mitchell Farrell	(Dr. Steve Mahler, Dept. of Neurobiology & Behavior)
2020	56-Aaron Gudmundson	(Dr. Craig Stark, Dept. of Neurobiology & Behavior)
2021	57-Angeline Dukes	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2021	58-Desiree Macchia	(Dr. Kevin Beier, Dept. of Anatomy & Neurobiology)
2021	59-Emily Miyoshi	(Dr. Vivek Swarup, Dept. of Neurobiology & Behavior)
2021	60-Caden Henningfield	(Dr. Kim Green, Dept. of Neurobiology & Behavior)
2021	61-Anthony Raus	(Dr. Autumn Ivy, Dept. of Anatomy & Neurobiology)
2022	62-Jake Rounds	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2022	63-Carlene Chinn	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)

Thesis Committees

2007	1-Justin Shobe	(Dr. Thomas J. Carew, Dept. of Neurobiology & Behav)
2007-2010	2-Steve Biokess	(Dr. John Marshall, Dept. of Neurobiology & Behavior)
2006-2009	3-Gary Philips	(Dr. Thomas J. Carew, Dept. of Neurobiology & Behav)
2008-2009	4-Dee Duangdao	(Dr. Rainer Reinscheid, Dept. of Pharmacology)
2009	5-Courtney Rice	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2008-2010	6-Noah Gross	(Dr. John Marshall, Dept. of Neurobiology & Behavior)
2010	7-Autumn Ivy	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2008-2010	8-Nicole Shirkey	(Dr. Susana Cohen-Corey, Dept. of Neurobiology & Beh)
2010-2012	9-Alex Pevzner	(Dr. John Guzowski, Dept. of Neurobiology & Behavior)
2008-2011	10-Ruth Barrett	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2011	11-Shawn McClelland	(Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)
2008-2011	12-Monica Arnold	(Dr. Frances Leslie, Dept. of Pharmacology)
2011	13-Alex Babayan	(Dr. Gary Lynch, Dept. of Anatomy & Neurobiology)
2009-2012	14-Wei Si	(Dr. Rainer Reinscheid, Dept. of Pharmacology)

2008-2012	15-Michael Hanna	(Dr. Jorge Busciglio, Dept. of Neurobiology & Behavior)
2010-2012	16-Melissa Malvaez	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2011-2012	17-Kristoffer Myczek	(Dr. Frank LaFerla, Dept. of Neurobiology & Behavior)
2012	18-Matt Costello	(Dr. Frances Leslie, Dept. of Pharmacology)
2011-2013	19-Tracy Cole	(Dr. Andrea Tenner, Dept. of Neurobiology & Behavior)
2011-2013	20-Michelle Allen	(Dr. Karina Cramer, Dept. of Neurobiology & Behavior)
2011-2013	21-Maria Torres	(Dr. Jorge Busciglio, Dept. of Neurobiology & Behavior)
2011-2013	22-Yasaman Alaghband	(Dr. John Marshall, Dept. of Neurobiology & Behavior)
2012-2014	23-Hyuna Lee	(Dr. Borrelli, Dept. of Anatomy & Neurobiology)
2011-2014	24-Annie Vogel-Ciernia	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2014-2017	25-Daisy Reynaga	(Dr. Frances Leslie, Dept. of Pharmacology)
2014-2017	26-Conor Cox	(Dr. Gary Lynch, Dept. of Psychiatry)
2015-2016	27- Natalie Goldberg	(Dr. Blurton-Jones, Dept. of Neurobiology & Behavior)
2015-2016	28-Joseph Ochaba	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2014-2016	29-Andre White	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2016-2018	30-Alberto Lopez	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2016-2017	31-Zachariah Reagh	(Dr. Mike Yassa, Dept. of Neurobiology & Behavior)
2017-2019	32-Eva Morozko	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2017-2019	33-Kay Linker	(Dr. Frances Leslie, Dept. of Pharmacology, Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2018-2021	34-Amanda McQuade	(Dr. Blurton-Jones, Dept. of Neurobiology & Behavior)
2018-2020	35-Rianne Campbell	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2018-2021	36-Andra Ionescu	(Dr. Carl Cotman, Dept. of Neurobiology & Behavior)
2019-2021	37-Yasmine Sherafat	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2019-2021	38-Jonathan Hasselmann	(Dr. Kim Green, Dept. of Neurobiology & Behavior)
2019-present	39-Marketta Kachemov	(Dr. Leslie Thompson, Dept. of Neurobiol & Behavior)
2019-present	40-Mitch Farrell	(Dr. Steve Mahler, Dept. of Neurobiol & Behavior)
2020-present	41-Yen-Chu (Andrew) Chen	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2020-present	42-Jennifer Yonan	(Dr. Steward Oswald, Dept of Anatomy & Neurobiology)
2020-present	43-Jaclyn Beck	(Dr. Blurton-Jones, Dept. of Neurobiology & Behavior)
2020-2022	44-Aaron Gudmundson	(Dr. Craig Stark, Dept. of Neurobiology & Behavior)
2021	45-Sloan Lewis	(Dr. Ilhem Messaoudi, Dept. of Molecular Bio & Biochemistry)
2021-2022	46-Angeline Dukes	(Dr. Christie Fowler, Dept. of Neurobiology & Behavior)
2021-present	47-Desiree Macchia	(Dr. Kevin Beier, Dept. of Anatomy & Neurobiology)
2021-present	48-Anthony Raus	(Dr. Autumn Ivy, Dept. of Anatomy & Neurobiology)
2022-present	49-Jake Rounds	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2022-present	50-Carlene Chinn	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)

Non-UCI Graduate Student Thesis Committees

2009-2012	1-James Stafford	(Dr. Matt Lattal, Oregon Health Sciences University)
2009-2011	2-Gustavo Reolon	(Dr. Rafael Roesler, Federal Univ. of Rio Grande do Sul, Brazil)
2016	3- Matthew Castino	(Dr. Kelly Clemens, Univ. New South Wales, Australia)
2016-2021	4-Caitlin Aamodt	(Dr. Stephanie White, UC Los Angeles)

UCI Masters Degree Student Committees

2007	Sara Cabrera	(Dr. Marcelo Wood, Dept. of Neurobiology & Behavior)
2011	Leila Feinberg	(Dr. Norbert Fortin, Dept. of Neurobiology & Behavior)
2011	Soren Fischbach	(Dr. Tom Carew, Dept. of Neurobiology & Behavior)
2011	Doug Peters	(INP student)
2012	Becky Stein	(INP student)

2013 Jessica Cope (Dr. Tallie Z. Baram, Dept. of Anatomy & Neurobiology)

Undergraduate Research Supervision:

2006-2008	1-Ragavi Elangovan
2006-2008	2-Samuel Chen
2006-2008	3-Jon Pham
2006-2007	4-Soham Shah
2007-2008	5-Daniel Stefanko
2007-2008	6-Alex Ly
2008-2011	7-Daniel Suk
2008-2011	8-Monica Multani
2008-2009	9-Darren Vo
2008-2011	10-Dario Figueroa
2008-2011	11-Angelina Sylvain
2009-2011	12-Rebecca Post
2009-2010	13-Nguyen Vo
2009-2011	14-Steven Blue
2009-2011	15-Theresa Lien
2009-2011	16-Anthony Tran
2009-2012	17-Richard Dang
2009-2011	18-Harsimran Singh
2010-2011	19-Rohan Patel
2010-2012	20-Nellie Said
2010-2013	21-Sorraya Azzawi
2011-2012	22-Amanda Tran
2011	23-Michael Liu
2011-2012	24-Arpit Patel
2011	25-Sumayya Khan
2011-2012	26-Kim Kawana
2011-2013	27-Shikha Sheth
2011-2013	28-Mariam Astarabadi
2011-2014	29-Kiro Bechay
2011-2014	30-Felicia Davatolhagh
2011-2014	31-Nicole Hernandez
2011-2013	32-Joyce Tang
2011-2016	33-Ashley Tran
2013-2015	34-John Doan
2013-2014	35-Allison Carl
2013	36-Amin Mahmoodi
2013-2014	37-Brandon McMahon
2013-2014	38-Killian McElroy
2014-2016	39-Keith Sakata
2014-2015	40-Diane Rhee
2014-2015	41-Christina Michael
2014-2016	42-David Saldana
2014-2016	43-Virginia Aimiwu
2014-2016	44-Amni Al-Kachak
2014-2016	45-Monica Espinoza
2015-2018	46-Kasuni Bodinayake
2015-2018	47-Guanhua (Ivan) Shu

2015-2018	48-Nicole Oparaugo
2015-2018	49-Philip Hwang
2016-2019	50-Om Chitnis
2016-2019	51-Joseph Han
2016-2019	52-Jude Banihani
2017-2017	53-Ujwal Aluru
2017-2017	54-Daniel Gutierrez
2017-2018	55-Arthur Shao
2018-2021	56-Lilyana Pham
2018-2021	57-Tri Dong
2018-2021	58-Sharmin Shanur
2018-2020	59-Malika Pirodan
2019-2021	60-Agatha Augustynski
2019-2021	61-Caterina Santelli
2019-2021	62-Justin Nguyen
2019-2021	63-Kelly Kusche
2019-2021	64-Gerald Delima
2019-2021	65-Sarah Ibrahim
2019-2021	66-Victoria Pham
2019-2020	67-Felipe Acosta
2020-2021	68-Dina Mirbabaei
2020-2021	69-Rosa Serrano
2021-present	70-Bailee Valenzuela
2021-present	71-Stephanie Tam
2021-present	72-Ameer Al-Shammari
2021-present	73-Natalie Thach
2021-present	74-Vanessa Johnson
2021-2022	75-Jasmine Harris
2021-2022	76-Lauren Yuen
2022-present	77-Sham Labanieh
2022-present	78-Maria Farias de Albuquerque
2022-present	79-Angel Chen
2022-present	80-Farimah Fanaei
2022-present	81-Scott La Tour
2022-present	82-Hassan Shaikh

Current Wood lab members:

Project Scientist:

- 1) Dina Matheos, PhD 2009-present
- 2) Eniko Kramar, PhD 2014-present

Postdoctoral Fellow:

- 1) Ashley Keiser, PhD 2018-present (supported by NIA T32; awarded NRSA F32 Fellowship in 2021; awarded K99/R00 in 2022)
- 2) Jessica Childs, PhD 2019-present (received Hewitt Foundation Postdoctoral Fellowship in 2019; awarded NRSA F32 Fellowship in 2022)

- 3) Franklin Garcia, PhD 2019-present (supported by NIA T32; awarded NRSA F32 Fellowship in 2022)

Graduate Students:

- 1) Carlene Chinn 2020-present (supported by NIH IMSD Minority Science Program; awarded HHMI Gilliam Fellowship in 2022)
- 2) Jake Rounds 2020-present (supported by NIDA T32)
- 3) Vanessa Alizo Vera 2021-present (supported by Diversity Supplement Award in 2022)
- 4) Alyssa Rodriguez 2021-present (supported by NIA T32)

Research Assistants:

- 1) Joy Beardwood 2018-present
- 2) Agatha Augustynski 2021-present

Previous Wood lab members:

Postdoctoral Fellows:

- 1) Carles Sanchis-Segura, PhD 2008 (Visiting Postdoctoral Fellow)
- 2) Susan McQuown, PhD 2009-2011
- 3) Jakob Hattig, PhD 2009-2012
- 4) Susan McNulty, PhD 2009-2012 (Received Re-Entry grant supplement; currently Instructor in Biological Sciences at Cerritos College)
- 5) George Rogge, PhD 2010-2014 (Received NRSA fellowship in 2011)
- 6) Kasia Bieszczad, PhD 2012-2014 (supported by T32; currently Associate. Prof. at Rutgers University)
- 7) Thekla Hemstedt, PhD 2016-2018 (received Hewitt Foundation Fellowship in 2016; currently at Novartis, Germany)
- 8) Yasaman Alaghband, PhD 2014-2018 (received NRSA fellowship in 2017; currently Project Scientist with Dr. Charles Limoli, UCI)
- 9) Janine Kwapis, PhD 2014-2018 (received NRSA fellowship in 2015; received K99/R00 fellowship in 2017; currently Asst. Prof at Pennsylvania State University)

Graduate Students:

- 1) Sara Cabrera, MS 2006-2008 (Received MS in 12/2008; Professional Scientist at Allergan, CA)

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|-----|---------------------------|-----------|---|
| 2) | Noel Federman | 2008 | (Visiting Graduate Student; recipient of CNLM foreign graduate student research award) |
| 3) | Gustavo Reolon | 2009 | (Visiting Graduate Student; recipient of CNLM foreign graduate student research award) |
| 4) | Emanuela Mhillaj | 2010-2011 | (Visiting Graduate Student) |
| 5) | Ruth Barrett | 2007-2011 | (Received NRSA fellowship in 2009, PhD in 8/2011) |
| 6) | Melissa Malvaez | 2008-2012 | (Received NRSA fellowship in 2010, PhD in 8/2012; Project Scientist with Dr. Kate Wassum at UCLA) |
| 7) | Annie Vogel-Ciernia | 2011-2014 | (Received NRSA fellowship in 2013, PhD in 8/2014; currently Assistant Professor at University of British Columbia) |
| 8) | Andre White | 2012-2016 | (Received NRSA fellowship in 2014, currently tenure-track Assistant Teaching Professor at Mount Holyoke) |
| 9) | Alberto Lopez | 2014-2018 | (Received NRSA fellowship in 2016; received F99/K00 fellowship in 2017; postdoctoral fellow with Dr. Erin Calipari at Vanderbilt; currently Scientist at Capsida, CA) |
| 10) | Kay Linker
(Co-Mentor) | 2014-2019 | (Currently postdoctoral fellow with Dr. Baljit Khakh at UCLA) |
| 11) | Rianne Campbell | 2016-2020 | (received NRSA fellowship in 2019; currently postdoctoral fellow with Dr. Mary Kay Lobo at University of Maryland) |