CURRICULUM VITAE

ROBERT CHARLES MALENKA, M.D., Ph.D.

Place of Birth Boston, Massachusetts

Education

1973-1978	Harvard College, A.B., Summa cum laude
1978-1983	Stanford University School of Medicine, Ph.D. (Neuroscience)
1978-1983	Stanford University School of Medicine, M.D.

Positions Held

2023-2025	Chief Scientific Officer, Bayshore Global Management (on Stanford leave)
2013-2023	Co-Founder, Deputy Director, Wu Tsai Neurosciences Institute, Stanford
2008-present	Associate Chair, Dept. of Psychiatry and Behavioral Sciences
2008-2013	co-Director, Stanford Institute for Neuro-Innovation and Translational Neurosciences
1999-present	Pritzker Professor of Psychiatry & Behavioral Sciences Director, Nancy Friend Pritzker Laboratory Stanford University School of Medicine
1997-1999	Professor of Psychiatry & Physiology Director, Center for the Neurobiology of Addiction Associate Director, Center for Neurobiology and Psychiatry University of California, San Francisco
1998	Visiting Professor, Ecole Superieure de Physique et Chimie Industrielles de la Ville de Paris, Paris, France
1989-1997	Assistant-Associate Professor of Psychiatry & Physiology University of California, San Francisco
1986-1989	Resident, Department of Psychiatry Stanford University School of Medicine
1984-1986	Postdoctoral Fellow, Departments of Pharmacology & Physiology (with Roger Nicoll, M.D.) University of California, San Francisco
1983-1984	Intern, Department of Psychiatry Stanford University School of Medicine

Honors and Fellowships

John Harvard Scholarship - 1974-1975
Detur Book Prize - 1976
Mellon Summer Research Program in Psychiatry Fellowship - 1977
Phi Beta Kappa - 1978
Epilepsy Foundation of America Medical Student Fellowship - 1980
Grass Fellowship to Cold Spring Harbor Laboratory - 1982
N.I.H. National Research Service Award - 1984-1986
American Psychiatric Association Resident Research Award - 1987
American College of Neuropsychopharmacology Travel Award – 1988
Klingenstein Fellowship Award in the Neurosciences - 1989-1992

Honors and Fellowships (cont.)

Alfred P. Sloan Research Fellow - 1990-1992
NARSAD Young Investigator Award - 1990-1994
McKnight Scholars Award in Neuroscience - 1990-1993
N.I.M.H. Research Scientist Award - 1991-1996
Society for Neuroscience Young Investigator Award - 1993
N.I.M.H. Independent Scientist Award - 1996-2001
McKnight Investigator Award in Neuroscience - 1997-2000
Stanford Medical Alumni Distinguished Alumni Award - 1998
American College of Neuropsychopharmacology Daniel H. Efron Award – 1998
Associate of the Neurosciences Research Program - 1999-2006
Dargut and Milena Kemali Foundation International Prize in Neuroscience – 2000
Collegium Internationale Neuropsychopharmacologicum-Lilly Basic Neuroscience Research Award - 2002
Member, National Academy of Medicine – 2004
Fellow, American Academy of Arts and Sciences - 2005
Perl-University of North Carolina Neuroscience Prize – 2006
NARSAD Distinguished Investigator - 2007
Fellow, American Association for the Advancement of Science – 2009
Fellow, American College of Neuropsychopharmacology - 2009
NARSAD Goldman-Rakic Prize for Outstanding Cognitive Neuroscience Research - 2010
Pasarow Foundation Award for Extraordinary Accomplishment in Medical Research: Neuropsychiatry – 2011
Member, National Academy of Sciences - 2011
Julius Axelrod Mentorship Award, American College of Neuropsychopharmacology – 2011
Society for Neuroscience Julius Axelrod Prize – 2016
American Psychiatric Association Research Mentorship Award – 2017
The V.Sagar Sethi, M.D. Mental Health Research Award – 2020
Society for Neuroscience/FENS Peter Seeberg Integrative Neuroscience Prize – 2022
J.E. Wallace Sterling Lifetime Achievement Award in Medicine, Stanford Medicine Alumni Assoc. – 2023
Steven C. Beering Award for Outstanding Contributions to Biomedical Science, Indiana University - 2024

Honorary Lectures

Special Lecture, Society for Neuroscience Annual Meeting, Miami, FL - 1999
Wendy and Stanley Marsh Endowed Lecture in Pharmacology and Neurochemistry of Addiction – 2002
Herbert Jasper Endowed Lecture, Montreal Neurological Institute - 2002
Australian Neuroscience Society, ANS Overseas Lecturer, Adelaide, Australia – 2003
Chancellor's Award Lecture in Neuroscience, LSU Health Sciences Center, New Orleans, LA – 2004
John Flynn Memorial Lecture, Dept. of Psychiatry, Yale University School of Medicine – 2005
Keynote Lecture, Gordon Research Conference, Excitatory Amino Acids & Brain Function, NH – 2005
Keynote Lecture, Channels, Receptors & Synapses Meeting, Cold Spring Harbor, NY – 2006
Special Lecture, Society for Neuroscience Annual Meeting, Atlanta, GA – 2006
Plenary Lecture, International Congress on Schizophrenia Research, Colorado Springs, CO - 2007
Bernard Agranoff Lectureship in Neuroscience, University of Michigan, Ann Arbor, MI - 2007
Keynote Lecture, Dana and Betty Fisher Retreat of the Picower Institute, M.I.T., Falmouth, MA – 2008
Plenary Lecture, Japan Neuroscience Society Annual Meeting, Tokyo, Japan – 2008
Keynote Lecture, Brain Research Foundation 10th Annual Neuroscience Day, Chicago, IL – 2008
Presidential Lecture, Society of Biological Psychiatry, Vancouver, Canada – 2009
Plenary Lecture, University of Cambridge Neuroscience Symposium, Cambridge, UK – 2010
University Lecture, University Texas Southwestern Medical Center, Dallas, TX – 2011
Goldman-Rakic NARSAD Distinguished Lecture, Yale University, New Haven, CT – 2011
Keynote Lecture, Grand Opening Virginia Tech Carilion School of Medicine and Research Institute - 2011
Keynote Lecture, Ernest Gallo Clinic & Research Center Retreat, Santa Cruz, CA - 2011
Keynote Lecture, ApoE, Alzheimer's and Lipoprotein Biology, Keystone Symposium, CO – 2012
Hille Lecture, Dept. of Physiology, University of Washington, Seattle, WA - 2012
Keynote Lecture, Gordon Research Conference, Molecular & Cellular Neurobiology, Hong Kong – 2012
James E. Beall II Memorial Lecture, University of Texas Medical Center, Galveston, TX – 2012
Plenary Speaker, Molecular Psychiatry Association Meeting, San Francisco, CA – 2013
Margaret Bidwell Memorial Lecture, Dept. of Brain & Cognitive Sciences, MIT, Cambridge, MA – 2014
Keynote Lecture, Institut Pasteur, Departement Neuroscience, Chateau de Maffliers, France - 2015
Keynote Speaker, 5th European Synapse Meeting, Bristol, United Kingdom - 2015

Honorary Lectures (cont.)

Jack Diamond Memorial Lecture, McMaster University, Hamilton, Canada – 2016
Keynote Lecture, 18th International Neuroscience Winter Conference, Solden, Austria – 2016
Trefethen Family Visiting Professorship Lecture, UCSF, San Francisco, CA - 2018
Dominick Purpura Distinguished Neuroscientist Lecture, Albert Einstein Medical College, NY – 2018
Plenary Speaker, Korean Society for Brain and Neural Sciences, Seoul, South Korea - 2018
Plenary Lecture, 22nd International Symposium on Regulatory Peptides, Acapulco, Mexico – 2018
Plenary Lecture, Samsung Global Research Symposium on Molec. Neuroscience, Mt. View, CA - 2018
Nanyan Lecture, Peking University Shenzhen Graduate School, Shenzhen, China – 2018
Paul Broca Lecture, NeuroFrance, Société des Neursociences, Marseille, France – 2019
Presidential Lecture, Canadian Association for Neuroscience Annual Meeting, Toronto, Canada - 2019
Eric J. Simon Lecture in Basic & Translational Neuroscience, New York University – 2021
Keynote Lecture, Gordon Research Conference, Synaptic Transmission, Il Ciocco, Italy – 2022
Keynote Lecture, Suzanne Zukin Symposium, Albert Einstein College of Medicine, New York – 2022
Samuel Barondes Lectureship in Biological Psychiatry, UCSF, San Francisco, CA – 2022
Keynote Lecture, Molec.,Cellular, Network Mechanisms of Synaptic Plasticity, Bordeaux, France – 2022
Heller Lectures, Safra Center for Brain Sciences, Hebrew University, Jerusalem, Israel – 2023
George Aghajanian Memorial Lecture, Yale University School of Medicine, CT - 2024
Keynote Lecture, Klingenstein-Simons Fellows Meeting, New York, NY – 2024
Steven C. Beering Award Lecture, Indiana University School of Medicine, Indianapolis, IN - 2024

Professional Affiliations

1979 - Present	American Association for the Advancement of Science, Fellow
1980 - Present	Society for Neuroscience
1998 - Present	American College of Neuropsychopharmacology, Fellow
2000 – Present	Dana Alliance for Brain Initiatives

Publications (as of March, 2026: Google Scholar h-index=173; total citations=131,993)

1. Hobson, J.A., Spagna, T. and Malenka, R. Ethology of sleep studied with time-lapse photography: Postural immobility and sleep-cycle phase in humans. **Science** 201: 1251-1253, 1978.

2. Kocsis, J.D., Malenka, R.C. and Waxman, S.G. Effects of 4-aminopyridine on the frequency-following properties of the parallel fibers of the cerebellar cortex. **Brain Res.** 195: 511-516, 1980.

3. Kocsis, J.D., Malenka, R.C. and Waxman, S.G. Enhanced parallel fiber frequency-following after reduction of postsynaptic activity. **Brain Res.** 202: 321-331, 1981.

4. Malenka, R.C., Kocsis, J.D., Ransom, B.R. and Waxman, S.G. Modulation of parallel fiber excitability by postsynaptically mediated changes in extracellular potassium. **Science** 214: 339-341, 1981.

5. Malenka, R.C. and Kocsis, J.D. Effects of GABA on stimulus-evoked changes in $[K^+]_o$ and parallel fiber excitability. **J. Neurophysiol.** 48: 608-621, 1982.

6. Malenka, R.C., Angel, R.W., Hampton, B. and Berger, P.A. Impaired central error-correcting behavior in schizophrenia. **Arch. Gen. Psychiat.** 39: 101-107, 1982.

7. Angel, R.W. and Malenka, R.C. Velocity-dependent suppression of cutaneous sensitivity during movement. **Exp. Neurol.** 77: 266-274, 1982.

8. Malenka, R.C., Kocsis, J.D. and Waxman, S.G. The supernormal period of the cerebellar parallel fibers: Effects of $[Ca^{2+}]_o$ and $[K^+]_o$. **Pflugers Archiv. (Eur. J. Physiol.)** 397: 176-183, 1983.

9. Kocsis, J.D., Malenka, R.C. and Waxman, S.G. Effects of extracellular potassium on the excitability of the parallel fibers of the rat cerebellar cortex. **J. Physiol.** 334: 225-244, 1983.

10. Malenka, R.C., Angel, R.W., Thiemann, S., Weitz, C.W. and Berger, P.A. Central error-correcting behavior in schizophrenia and depression. **Biol. Psychiat.** 21: 263-273, 1986.

Publications (cont.)

11. Malenka, R.C., Madison, D.V., Andrade, R. and Nicoll, R.A. Phorbol esters mimic some cholinergic actions in hippocampal pyramidal neurons. **J. Neurosci.** 6: 475-480, 1986.

12. Malenka, R.C., Madison, D.V. and Nicoll, R.A. Potentiation of synaptic transmission in the hippocampus by phorbol esters. **Nature** 321: 175-177, 1986.

13. Malenka, R.C. and Nicoll, R.A. Dopamine decreases the calcium-activated afterhyperpolarization in hippocampal pyramidal cells. **Brain Res.** 379: 210-215, 1986.

14. Madison, D.V., Malenka, R.C. and Nicoll, R.A. Phorbol esters block a voltage-sensitive chloride current in hippocampal pyramidal cells. **Nature** 321: 695-697, 1986.

15. Andrade, R., Malenka, R.C. and Nicoll, R.A. A G-protein couples serotonin and GABAB receptors to the same potassium channels in hippocampus. **Science** 234: 1261-1265, 1986.

16. Malenka, R.C., Ayoub, G.S. and Nicoll, R.A. Phorbol esters enhance transmitter release in rat hippocampal slices. **Brain Res.** 403: 198-204, 1987.

17. Malenka, R.C. The clinician-researcher in psychiatry. (Letter.) **Amer. J. Psychiat.** 144: 535-536, 1987.

18. Nicoll, R.A., Kauer, J.A. and Malenka, R.C. The current excitement in LTP. (Review.) **Neuron** 1: 97-103, 1988.

19. Kauer, J.A., Malenka, R.C. and Nicoll, R.A. NMDA application potentiates synaptic transmission in the hippocampus. **Nature** 334: 250-252, 1988.

20. Malenka, R.C., Kauer, J.A., Zucker, R.S. and Nicoll, R.A. Postsynaptic calcium is sufficient for potentiation of hippocampal synaptic transmission. **Science** 242: 81-84, 1988.

21. Malenka, R.C. and Kocsis, J.D. Presynaptic actions of carbachol and adenosine on corticostriatal synaptic transmission studied in vitro. **J. Neurosci.** 8: 3750-3756, 1988.

22. Connors, B.W., Malenka, R.C. and Silva, L.R. Two inhibitory postsynaptic potentials and $GABA_A$ and $GABA_B$ receptor-mediated responses in neocortex of rat and cat. **J. Physiol.** 406: 443-468, 1988.

23. Kauer, J.A., Malenka, R.C. and Nicoll, R.A. A persistent postsynaptic modification mediates long-term potentiation in the hippocampus. **Neuron** 1: 911-917, 1988.

24. Malenka, R.C., Kauer, J.A., Perkel, D.J., Mauk, M.D., Kelly, P.T., Nicoll, R.A. and Waxham, M.N. An essential role for postsynaptic calmodulin and protein kinase activity in long-term potentiation. **Nature** 340: 554-557, 1989.

25. Malenka, R.C., Kauer, J.A., Perkel, D. and Nicoll, R.A. The impact of postsynaptic calcium on synaptic transmission - its role in long-term potentiation. **Tr. Neurosci.** 12: 444-450, 1989.

26. Nicoll, R.A., Malenka, R.C. and Kauer, J.A. Functional comparison of neurotransmitter receptor subtypes in the mammalian CNS. **Physiological Reviews** 70: 513-565, 1990.

27. Malenka, R.C. and Nicoll, R.A. Intracellular signals and LTP. **Sem. Neurosciences** 2: 335-343, 1990.

28. Madison, V.D., Malenka, R.C. and Nicoll, R.A. Mechanisms underlying long-term potentiation of synaptic transmission. **Ann. Rev. Neurosci.** 14: 379-397, 1991.

29. Malenka, R.C. Postsynaptic factors control the duration of synaptic enhancement in area CA1 of the hippocampus. **Neuron** 6: 53-60, 1991.

30. Baskys, A. and Malenka, R.C. Trans-ACPD depresses synaptic transmission in the hippocampus. **Eur. J. Pharmacol.** 193: 131-132, 1991.

31. Baskys, A. and Malenka, R.C. Agonists at metabotropic glutamate receptors presynaptically inhibit EPSCs in neonatal rat hippocampus. **J. Physiol.** 444: 687-701, 1991.

Publications (cont.)

32. Colino, A., Huang, Y.-Y. and Malenka, R.C. Characterization of the integration time for the stabilization of long-term potentiation in area CA1 of the hippocampus. **J. Neurosci.** 12: 180-187, 1992.

33. Huang, Y.-Y., Colino, A., Selig, D.K. and Malenka, R.C. The influence of prior synaptic activity on the induction of long-term potentiation. **Science** 255: 730-733, 1992.

34. Malenka, R.C. The role of postsynaptic calcium in the induction of long-term potentiation. **Molec. Neurobiol.** 5: 289-295, 1992.

35. Malenka, R.C., Lancaster, B. and Zucker, R.S. Temporal limits on the rise in calcium required for the induction of long-term potentiation. **Neuron** 9: 121-128, 1992.

36. Mulkey, R.M. and Malenka, R.C. Mechanisms underlying induction of homosynaptic long-term depression in area CA1 of hippocampus. **Neuron** 9: 967-975, 1992.

37. Huang, Y.-Y. and Malenka, R.C. Examination of TEA-induced synaptic enhancement in area CA1 of the hippocampus: the role of voltage-dependent Ca^{2+} channels in the induction of LTP. **J. Neurosci.** 13: 568-576, 1993.

38. Colino, A. and Malenka, R.C. Mechanisms underlying induction of LTP in rat medial and lateral perforant paths in vitro. **J. Neurophysiol.** 69: 1150-1159, 1993.

39. Waxham, N., Malenka, R.C., Kelly, P.T. and Mauk, M. Calcium/calmodulin dependent protein kinase II regulates hippocampal synaptic transmission. **Brain Res.** 609: 1-8, 1993.

40. Malenka, R.C. Long-term depression: Not so depressing after all. **Proc. Natl. Acad. Sci. U.S.A.** 90: 3121-3123, 1993.

41. Mulkey, R.M., Herron, C.E. and Malenka, R.C. An essential role for protein phosphatases in hippocampal long-term depression. **Science** 261: 1051-1055, 1993.

42. Malenka, R.C. and Nicoll, R.A. NMDA receptor-dependent synaptic plasticity: multiple forms and mechanisms. **Tr. Neurosci.** 16: 521-527, 1993.

43. Rosahl, T.W., Geppert, M., Spillane, D., Herz, J., Hammer, R.E., Malenka, R.C. and Sudhof, T.C. Short term synaptic plasticity is altered in mice lacking synapsin I. **Cell** 75: 661-670, 1993.

44. Kombian, S.B. and Malenka R.C. Simultaneous LTP of non-NMDA and LTD of NMDA receptor-mediatd responses in the nucleus accumbens. **Nature** 368: 242-246, 1994.

45. Mulkey, R.M., Endo, S., Shenolikar, S. and Malenka, R.C. Involvement of a calcineurin/inhibitor-1 phosphatase cascade in hippocampal long-term depression. **Nature** 369: 486-488, 1994.

46. Cummings, J.A., Nicola, S.M. and Malenka, R.C. Induction of LTP and LTD in the presence of a nitric oxide synthase inhibitor in rat hippocampal slices. **Neurosci. Lett.** 176: 110-114, 1994.

47. Bear, M.F. and Malenka, R.C. Synaptic plasticity: LTP and LTD. **Curr. Opin. Neurobiol.** 4: 389-399, 1994.

48. Malenka, R.C. Synaptic plasticity in the hippocampus: LTP and LTD. **Cell** 78: 535-538, 1994.

49. Herron, C.E. and Malenka, R.C. Activity dependent enhancement of synaptic transmission in hippocampal slices treated with the phosphatase inhibitor calyculin A. **J. Neurosci.** 14: 6013-6020, 1994.

50. Malenka, R.C. Mucking up movements. (News and Views) **Nature** 372: 218-219, 1994.

51. Malenka, R.C. LTP and LTD: Dynamic and interactive processes of synaptic plasticity. **The Neuroscientist** 1: 35-42, 1995.

52. Crair, M.C. and Malenka, R.C. A critical period for long-term potentiation at thalamocortical synapses. **Nature** 375: 325-328, 1995.

Publications (cont.)

53. Rosahl, T.W., Spillane, D., Missler, M., Herz, J., Selig, D., Wolff, J.R., Hammer, R.E., Malenka, R.C. and Sudhof, T.C. Essential functions of synapsins I and II in synaptic vesicle regulation. **Nature** 375: 488-493, 1995.

54. Selig, D.K., Hjelmstad, G.O., Herron, C., Nicoll, R.A. and Malenka, R.C. Independent mechanisms for long-term depression of AMPA and NMDA responses. **Neuron** 15: 417-426, 1995.

55. Isaac, J.T.R., Nicoll, R.A. and Malenka, R.C. Evidence for silent synapses: Implications for the expression of LTP **Neuron** 15: 427-434, 1995.

56. Nicoll, R.A. and Malenka, R.C. Contrasting properties of two forms of LTP in the hippocampus. **Nature** 377: 115-118, 1995.

57. Selig, D.K., Lee, H.-Y., Bear, M.F. and Malenka, R.C. Reexamination of the effects of MCPG on hippocampal LTP, LTD, and depotentiation. **J. Neurophysiol.** 74: 1075-1082, 1995.

58. Spillane, D., Rosahl, T.W., Sudhof, T.C. and Malenka, R.C. Long-term potentiation in mice lacking synapsins. **Neuropharmacology** 34: 1573-1580, 1995.

59. Lledo, P.M., Hjelmstad, G., Mukherji, S., Soderling, T.R., Malenka, R.C. and Nicoll, R.A. CaM-kinase II and LTP enhance synaptic transmission by the same mechanism. **Proc. Natl. Acad. Sci. U.S.A**. 92: 11175-11179, 1995.

60. Nicola, S.M., Kombian, S.B. and Malenka R.C. Psychostimulants depress excitatory synaptic transmission in the nucleus accumbens via presynaptic D1-like dopamine receptors. **J. Neurosci.** 16: 1591-1604, 1996.

61. Oliet, S.H.R., Malenka, R.C. and Nicoll, R.A. Bidirectional control of quantal size by synaptic activity in the hippocampus. **Science** 271: 1294-1297, 1996.

62. Scanziani, M., Malenka, R.C. and Nicoll, R.A. Role of intercellular interactions in heterosynaptic long-term depression. **Nature** 380: 446-450, 1996.

63. Salin, P.A., Malenka, R.C. and Nicoll, R.A. Cyclic AMP mediates a presynaptic form of LTP at cerebellar parallel fiber synapses. **Neuron** 16: 797-803, 1996.

64. Cummings, J.A., Mulkey, R.M., Nicoll, R.A. and Malenka, R.C. Calcium signaling requirements for long-term depression in the hippocampus. **Neuron** 16: 825-833, 1996.

65. Tong, G., Malenka, R.C. and Nicoll, R.A. Long-term potentiation in cultures of single hippocampal granule cells: a presynaptic form of plasticity. **Neuron** 16: 1147-1157, 1996.

66. Isaac, J.T.R., Hjelmstad, G.O., Nicoll, R.A. and Malenka, R.C. Long-term potentiation at single fiber inputs to hippocampal CA1 pyramidal cells. **Proc. Natl. Acad. Sci. USA** 93: 8710-8715. 1996.

67. Selig, D.K., Segal, M.R., Liao, D., Malenka, R.C., Malinow, R., Nicoll, R.A. and Lisman, J.A. Examination of the role of cGMP in long-term potentiation in the CA1 region of the hippocampus. **Learning and Memory** 3: 42-48, 1996.

68. Salin, P.A., Scanziani, M., Malenka, R.C. and Nicoll R.A. Distinct short-term plasticity at two excitatory synapses in the hippocampus. **Proc. Natl. Acad. Sci. USA** 93: 13304-13309, 1996.

69. Scanziani, M., Salin, P, Malenka, R.C. and Nicoll, R.A. Use-dependent increases in glutamate concentration activate presynaptic metabotropic glutamate receptors. **Nature** 385: 630-634, 1997.

70. Isaac, J.T.R., Nicoll, R.A. and Malenka, R.C. Silent synapses during development of thalamocortical inputs. **Neuron** 18: 269-280, 1997.

71. Castillo, P.E., Malenka, R.C. and Nicoll, R.A. Kainate receptors mediate a slow post-synaptic current in hippocampal CA3 neurons. **Nature** 388: 182-186, 1997.

Publications (cont.)

72. Lisman, J., Malenka, R.C., Nicoll, R.A. and Malinow, R. Learning mechanisms: the case for CaM-KII. **Science** (Perspective) 276: 2001-2002, 1997.

73. Oliet, S.H.R., Malenka, R.C. and Nicoll, R.A. Two distinct forms of long-term depression coexist in CA1 hippocampal pyramidal cells. **Neuron** 18: 969-982, 1997.

74. Nicola, S.M. and Malenka, R.C. Dopamine depresses excitatory and inhibitory synaptic transmission via distinct mechanisms in the nucleus accumbens. **J. Neurosci**. 17: 5697-5710, 1997.

75. Nicoll, R.A. and Malenka, R.C. Long-distance long-term depression. **Nature** (News and Views) 388: 427-428, 1997.

76. Castillo, P.E., Janz, R., Sudhof, T.C., Tzounopoulos, T., Malenka, R.C. and Nicoll, R.A. The synaptic vesicle protein Rab3A is essential for mossy fibre long-term potentiation in the hippocampus. **Nature** 388: 590-593, 1997.

77. Luscher, C., Jan, L.Y., Stoffel, M., Malenka, R.C. and Nicoll, R.A. G-protein inwardly rectifying K+ channels (GIRKs) mediate postsynaptic, but not presynaptic transmitter actions in hippocampal neurons. **Neuron** 19: 687-695, 1997.

78. Malenka, R.C. and Nicoll, R.A. Silent synapses speak up. **Neuron** (review) 19: 473-476, 1997.

79. Malenka, R.C. and Nicoll, R.A. Never fear, LTP is hear. **Nature** (News and Views) 390: 552-553, 1997.

80. Hjelmstad, G.O., Nicoll, R.A. and Malenka, R.C. Synaptic refractory period provides a measure of probability of release in the hippocampus. **Neuron** 19: 1309-1318, 1997.

81. Lledo, P.-M., Zhang, S., Sudhof, T.C., Malenka, R.C. and Nicoll. R.A. Postsynaptic membrane fusion and long-term potentiation. **Science** 279: 399-403, 1998.

82. Nicola, S.M. and Malenka, R.C. Modulation of synaptic transmission by dopamine and norepinephrine in ventral but not dorsal striatum. **J. Neurophysiol.** 79: 1768-1776, 1998.

83. Hsia, A.Y., Malenka, R.C. and Nicoll, R.A. Development of excitatory circuitry in the hippocampus **J. Neurophysiol.** 79: 2013-2024, 1998.

84. Petersen, C.C.H., Malenka, R.C., Nicoll, R.A. and Hopfield, J.J. All-or-none potentiation at CA3-CA1 synapses. **Proc. Natl. Acad. Sci. U.S.A.** 95: 4732-4737, 1998.

85. Nicoll R.A. and Malenka, R.C. Neuroscience-A tale of two transmitters. **Science** (Perspective) 281: 360-361, 1998.

86. Lissin, D.V., Gomperts, S.N., Carroll, R., Christine, C.W., Kallman, D., Kitamura, M., Hardy, S., Nicoll, R.A., Malenka, R.C. and Von Zastrow, M. Activity differentially regulates the surface expression of synaptic AMPA and NMDA receptors. **Proc. Natl. Acad. Sci. U.S.A.** 95: 7097-7102, 1998.

87. Malenka, R.. C. and Nicoll, R. A. Long-term depression with a flash. **Nature Neuroscience** (News and Views) 1: 89-90, 1998.

88. Luscher C., Malenka, R. C. and Nicoll, R. A. Monitoring glutamate release during LTP with glial transporter currents. **Neuron** 21: 435-441, 1998.

89. Feldman, D.E., Nicoll, R.A., Malenka, R.C. and Isaac J. T. R. Long-term depression at thalamocortical synapses in developing rat somatosensory cortex. **Neuron** 21: 347-357, 1998.

90. Frerking, M., Malenka, R. C. and Nicoll, R. A. Synaptic activation of kainate receptors on hippocampal interneurons. **Nature Neuroscience** 1: 479-486, 1998.

91. Tzounopoulos, T., Janz, R., Sudhof, T. C., Nicoll, R. A. and Malenka, R. C. A role for cAMP in long-term depression at hippocampal mossy fiber synapses. **Neuron** 21: 837-845, 1998.

Publications (cont.)

92. Nicoll, R. A., Oliet, S. H. R. and Malenka, R. C. NMDA receptor-dependent and metabotropic glutamate receptor-dependent forms of long-term depression coexist in CA1 hippocampal pyramidal cells. **Neurobiol. Learn. Mem.** 70: 62-72, 1998.

93. Carroll, R.C, Nicoll, R.A. and Malenka, R.C. Effects of PKA and PKC on miniature excitatory postsynaptic currents in CA1 pyramidal cells. **J. Neurophysiol.** 80: 2797-2800, 1998.

94. Frerking, M., Malenka, R.C. and Nicoll, R.A. Brain-derived neurotrophic factor (BDNF) modulates inhibitory, but not excitatory, transmission in the CA1 region of the hippocampus. **J. Neurophysiol.** 80: 3383-3386, 1998.

95. Gomperts, S.N., Rao, A., Craig, A.M., Malenka, R.C. and Nicoll, R.A. Postsynaptically silent synapses in single neuron cultures. **Neuron** 21: 1443-1451, 1998.

96. Malenka, R.C. and Nicoll, R.A. Is bigger better? (News and Views) **Nature** 396: 414-415, 1998.

97. Selig, D.K., Nicoll, R.A. and Malenka, R.C. Hippocampal long-term potentiation preserves the fidelity of postsynaptic responses to presynaptic bursts. **J. Neurosci.** 19: 1236-1246, 1999.

98. Lissin, D.V., Carroll, R.C., Nicoll, R.A., Malenka, R.C. and Von Zastrow, M. Rapid, activation-induced redistribution of glutamate receptors in cultured hippocampal neurons. **J. Neurosci.** 19: 1263-1272, 1999.

99. Hsia, A.Y., Masliah, E., McConlogue, L., Yu, G.-Q., Tatsuno, G., Hu, K., Kholodenko, D., Malenka, R.C., Nicoll, R.A. and Mucke, L. Plaque-independent disruption of neural circuits in Alzheimer's disease mouse models. **Proc. Natl. Acad. Sci. USA** 96: 3228-3233, 1999.

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299. Touponse, G.C., Pomrenze, M.B., Yassine, T., Mehta, V., Denomme, N., Zhang, Z., Malenka, R.C. & Eshel, N. Cholinergic modulation of dopamine release drives effortful behavior. **Nature** 651: 1020-1029, 2026.

300. Gregory, N.S., Girard, T.E., Ram, A., Casey, A.B., Malenka, R.C., Tawfik, V.L. & Heifets, B.D. No evidence of immediate or persistent analgesic effect from a single dose of psilocybin in three mouse models of pain. **Nature Commun.** 17(1): 1916. doi:10.1038/s41467-026-68763-z, 2026

301. Zhang, Z., Touponse, G.C., Alderman, P.J., Yassine, T., Pomrenze, M.B., Harris, T.W., Shang, A.N. Malenka, R.C. & Ehsel, N. Serotonin modulates nucleus accumbens circuits to suppress aggression in mice. **Nature. Commun.** 17(1):2769. doi: 10.1038/s41467-026-069254-x, 2026.

302. Cadozo Pinto, D.F., Guo, M.Y., Pomrenze, M.B., Morishita, W., Li., M.X., Zweifel, L.S., Eshel, N. & Malenka, R.C. Dopamine and serotonin inversely modulate D2 medium spiny neurons to regulate cocaine reward. **Nature Commun.** doi: 10.1038/s41467-026-70519-8, 2026.

Books

Nestler, E.J., Hyman, S.E. and Malenka, R.C. Molecular Neuropharmacology: A Foundation for Clinical Neuroscience**,** McGraw-Hill, New York (2001)

Schatzberg, A.F. and Nemeroff, C.B. Textbook of Psychopharmacology, 3rd Ed**.** Section I Editor (R.C. Malenka): Principles of Psychopharmacology, American Psychiatric Publishing, Inc., Arlington, VA (2004).

Nestler, E.J., Hyman, S.E. and Malenka, R.C. Molecular Neuropharmacology: A Foundation for Clinical Neuroscience (second edition)**,** McGraw-Hill, New York (2009)

Malenka, R.C. (editor), Intercellular Communication in the Nervous System, Elsevier/Academic Press, San Diego, CA (2009)

Books (cont.)

Nestler, E.J., Hyman, S.E., Holzman D. and Malenka, R.C. Molecular Neuropharmacology: A Foundation for Clinical Neuroscience (third edition)**,** McGraw-Hill, New York (2015)

Chapters

1. Kocsis, J.D., Malenka, R.C., Connors, B.W., Waxman, S.G. and Cummins, K.L. Population response characteristics of fiber tracts in central white matter. In Nerve Conduction Velocity Distributions: New Methods of Electrophysiological Evaluation. Cummins, K., Dorfman, L. and Leifer, L. (eds.), A.R. Liss Publ., New York, 1981.

2. Malenka, R.C., Andrade, R. and Nicoll, R.A. Physiology of GABA inhibition in the hippocampus. J. Mind & Behav. 8: 549-557, 1987.

3. Malenka, R.C., Madison, D.V., Dutar, P., Andrade, R. and Nicoll, R.A. Neurotransmitters, ion channels, and second messengers in the hippocampus. In Modulation of Synaptic Transmission and Plasticity in Nervous Systems. Hertting, G. and Spatz, H.-C. (eds.), NATO ASI Series H: Cell Biology, vol. 19, Springer-Verlag, Berlin, 1988.

4. Malenka, R.C., Hamblin, M.W. and Barchas, J.D. Biochemical hypotheses of affective disorders and anxiety. In Basic Neurochemistry. Spiegel, G.J., Albers, R.W., Agranoff, B.W. and Molinoff, P.B. (eds.), Raven Press, New York, 1989.

5. Nicoll, R.A., Malenka, R.C. and Dutar, P. Electrophysiological studies on $GABA_B$ receptors in the CNS. In GABA: Basic Research and Clinical Applications. Bowery, N.G. and Nistico, G. (eds.), Pythagora Press, 1989.

6. Malenka, R.C., Kauer, J.A. and Nicoll, R.A. Mechanisms underlying the initiation of long-term potentiation of synaptic transmission in the hippocampus. In Molecular Biology: Proceedings of the First N.I.M.H. Conference, Scheller, R.H. and Zalcman, S. (eds.) U.S. Dept. of Health and Human Services, Rockville, Maryland, 1989.

7. Nicoll, R.A., Malenka, R.C. and Kauer, J.A. Mechanisms involved in the initiation and expression of long-term potentiation. In Brain Signal Transduction and Memory. Ito, M. and Nishizuka, Y. (eds.), Academic Press/Harcourt Brace Jovanovich Japan, Inc., Tokyo, 1989.

8. Nicoll, R.A., Malenka, R.C. and Kauer, J.A. The role of calcium in long-term potentiation. In Calcium, Membranes, Aging and Alzheimer's Disease. Khachaturian, Z.S., Cotman, C. and Pettegrew, J.W. (eds.), Ann. N.Y. Acad. Sci. 568: 166-170, 1989.

9. Malenka, R.C., Kauer, J.A., Perkel, D.J. and Nicoll, R.A. Long-term potentiation in the hippocampus. In Regulation of Membrane Function: Short-term and long-term. (Progress in Cell Research, Vol. 1), Ritchie, J.M., Magistretti, P.J. and Bolis, L. (eds.), Elsevier Science Publishers, Amsterdam, 1990.

10. Malenka, R.C. Postsynaptic events mediating LTP. In Excitatory Amino Acids and Synaptic Transmission. Wheal, H. and Thomson, A. (eds.), Academic Press, London, 1991.

11. Malenka, R.C. Long-term potentiation of synaptic transmission. In Biological Basis of Substance Abuse. Barchas, J. and Korenman, S.G. (eds.), Oxford University Press, New York, 1993.

12. Malenka, R.C. Multiple forms of NMDA receptor-mediated synaptic plasticity in the hippocampus. In Long-Term Potentiation: A Debate of Current Issues, vol. II. Baudry, M. and Davis, J. (eds.), MIT Press, Boston, 1994.

13. Barchas, J.D., Hamblin, M.W. and Malenka, R.C. Biochemical hypotheses of mood and anxiety disorders. In Basic Neurochemistry: Molecular, Cellular, and Medical Aspects, 5th Ed. Spiegel, G.J., Albers, R.W., Agranoff, B.W. and Molinoff, P.B. (eds.), Raven Press, New York, 1994.

14. Malenka, R.C. Postsynaptic events mediating LTP and LTD. In Excitatory Amino Acids and Synaptic Transmission, 2nd Edition. Wheal, H. and Thomson, A. (eds.), Academic Press, London, 1995.

15. Malenka, R.C. and Siegelbaum, S.A. Synaptic plasticity. In Synapses, Cowan, W.M., Sudhof, T.C. and Stevens, C.F. (eds.) Johns Hopkins University Press, Baltimore, MD, 2001.

Chapters (cont.)

16. Malenka, R.C. Synaptic plasticity. In Neuropsychopharmacology: The Fifth Generation of Progress. Davis, K.L., Charney, D., Coyle, J.T. and Nemeroff, C. (eds.) Lippincott Williams & Wilkins, Philadelphia, 2002.

17. Hopf, F.W., Bonci, A. and Malenka, R.C. Dopamine and synaptic plasticity in mesolimbic circuits. In Dopamine Handbook, Ivesen, L.L., Iversen, S.D., Dunnett, S.B. and Bjorklund, A. (eds.) Oxford University Press, New York, NY, 2010.

18. Marie, H. and Malenka, R.C. Acute in vivo expression of recombinant proteins in rat brain using sindbis virus. In The Dynamic Synapse: Molecular Methods in Ionotropic Receptor Biology, Kittler, J.T. and Moss, S.J. (eds.) CRC Press, Boca Raton, FL 2006.

Abstracts (not listed)

Invited Talks and Presentations: International

1987

NATO Advanced Research Workshop on Modulation of Synaptic Transmission and Plasticity in Nervous Systems, Castelvecchio Pascoli, Italy

1989

Japan Science Foundation, International Workshop on Plasticity of Synaptic Transmission, Kanazawa, Japan
13th International Conference on Biological Membranes, Crans-sur-Sierre, Switzerland

1990

Plenary Lecture, International Society for Biomedical Research on Alcoholism, Toronto, Canada
Molecular Mechanisms in Signal Transduction, McGill University, Montreal, Canada

1991

University of Alberta School of Medicine, Dept. of Pharmacology, Edmonton, Alberta, Canada
Molecular Mechanisms of Synaptic Plasticity, Port Douglas, Australia

1992

Long-term Potentiation: A Debate of Current Issues, Gif-sur-Yvette, France
Renunion Anual Sociedad de Biologia de Chile, Symposium, Puyehue, Chile

1993

Dahlem Conference, Molecular Mechanisms Underlying Higher Neural Functions, Berlin, Germany

1994

Activity Dependent Neuronal Plasticity, Association pour la Neuropyschopharmacologie, Paris, France
Ernst Klenk Conference on Excitatory Synapses-Learning, Plasticity and Cell Death, Cologne, Germany

1995

University of Calgary School of Medicine, Neuroscience Seminar Series, Calgary, Canada
Long-term Potentiation: A Debate of Current Issues, Third Symposium, Carry-le-Rouet, France.
Magdeburg International Neurobiological Symposium, Learning and Memory: Synaptic and Systemic Views Magdeburg, Germany.
4th IBRO World Congress of Neuroscience, Kyoto, Japan
IBRO Satellite Symposium, Cellular Determinants of Learning and Memory, Tokyo, Japan.

1996

Dynamics of Functional Connectivity in Visual Cortical Networks, Royaumont, France.
Jacques Monod Conference, Synaptic Plasticity and Cellular Mechanisms of Memory, Aussois, France
2nd International Meeting on Metabotropic Glutamate Receptors, Taormina, Italy

1997

Designated Lecture, The Physiological Society, Trinity College, Dublin, Ireland
Human Frontier Science Program Workshop, Quantal Transmission in the Central Nervous System, Strasbourg, France

Invited Talks and Presentations: International (cont.)

Israel Science Foundation Workshop, The Neocortical Local Circuit, Sde-Boker, Israel

1998

University of Montreal, The Chemical Synapse, Montreal Canada
Gordon Research Conference, Molecular and Cellular Neurobiology, Beijing, China

1999

Weizmann Institute for Science Symposium, Neocortical Columns, Rehovot, Israel
Fifth International Brain Research Organization World Congress of Neuroscience, Jerusalem, Israel
Third International Meeting on Metabotropic Glutamate Receptors, Taormina, Sicily, Italy
Neuronal Circuits: From Molecules to Organisms, Ascona, Switzerland
International Symposium on Molecular Dynamics in Cell Function, Tokyo, Japan
Organizer, "The Neural Mechanisms Of Addiction", Institute Juan March, Madrid, Spain

2000

International Congress on "Hormones, Brain, and Neuropsychoparmacology", Rhodes Greece
Magdeburg Neurobiological Symposium: Mechanisms of Learning and Memory, Magdeburg Germany

2001

Gordon Research Conference, Excitatory Amino Acids and Brain Function, Il Ciocco, Italy
LTP Explained: Molecular, Cellular, Behavioral and Computational Aspects, Angers, France
International Society for Neurochemistry, Buenos Aires, Argentina

2002

Organizing the Brain: Genes, Neurons and Circuits, EMBP-FMI Conference, Ascona, Switzerland,
Herbert Jasper Lecture, Montreal Neurological Institute, Montreal, Canada
RIKEN Brain Science Institute, Tokyo, Japan
Japan-United Kingdom Workshop, From Molecules to Memory, Nara, Japan

2003

Australian Neuroscience Society, ANS Overseas Lecture, Adelaide, Australia
Long-term Potentiation: Enhancing Neuroscience for 30 Years, Royal Society, London, U.K.
University of Edingburgh, Neuroscience Program, Edinburgh, Scotland
Sixth IBRO World Congress of Neuroscience, Prague, Czech Republic
Formation and Function of Neuronal Circuits, EMBO Meeting, Ascona, Switzerland

2004

Spinogenesis and Synaptic Plasticity, 1st Westerburg Symposium, Westerburg, Germany
International Symposium on Brain Functional Genomics, East China Normal University, Shanghai, China

2005

Symposium on Synaptic Function and Plasticity, University of British Columbia, Vancouver, Canada
Gordon Research Conference, Excitatory Amino Acids and Brain Function, Aussois, France

2006

The Active Dendrite, Nobel Mini-symposium, Karolinska Institute, Stockholm, Sweden

2007

Winter Conference on Neural Plasticity, Moorea, Tahiti
Dopamine-50 Years, Goteborg, Sweden
Ecole Polytechnique Federale de Lausanne, Life Science Symposium on Neuroscience, Lausanne, Switzerland

2008

Gordon Research Conference, Neurobiology of Brain Disorders, Oxford, U.K.
Brain Plasticity Symposium, Queensland Brain Institute, University of Queensland, Brisbane, Australia
Plenary Lecture, Japan Neuroscience Society Annual Meeting, Tokyo, Japan
Conference Aquitaine, The Plastic Brain, Arcachon, France

Invited Talks and Presentations: International (cont.)

2009

Learning and Addiction, Institute for Advanced Studies & the Israel Science Foundation, Jerusalem, Israel
9th European Meeting on Glial Cells in Health and Disease, Paris, France
Presidential Lecture, Society of Biological Psychiatry, Vancouver, Canada

2010

Plenary Lecture, University of Cambridge Neuroscience Symposium, Cambridge, UK
Cantoblanco Workshops on Biology, Memory Formation and Memory Loss, Madrid, Spain
Conference Aquitaine, Insights into the Neurobiology of Addiction, Arcachon, France

2011

Winter Conference on Neural Plasticity, Moorea, Tahiti
Gordon Research Conference, Cannabinoid Function in the CNS, Les Diablerets, Switzerland
Genetic and Neural Complexity in Psychiatry, Santorini, Greece
7th International Meeting on Metabotropic Glutamate Receptors, Taormina, Sicily, Italy

2012

International Symposium on Ionotropic Glutamate Receptors, Valencia, Spain
Gordon Research Conference, Molecular and Cellular Neurobiology, Hong Kong, China
Synaptic Basis of Disease, Geneva, Switzerland
8th Federation of European Neurosciences Forum of Neuroscience, Barcelona, Spain

2013

International Society for Neurochemistry, Synapse Satellite Meeting, Playa del Carmen, Mexico
International Dopamine Meeting, Alghero, Italy
Francis Crick Symposium on Neuroscience, Cold Spring Harbor Asia Conference, Suzhou, China
Excitatory Synapses and Brain Function, Gordon Research Conference, Les Diablerets, Switzerland
Genetic and Neural Complexity in Psychiatry 2013 (organizer), Santorini, Greece
Membrane Traffic at the Synapse: The Cell Biology of Synaptic Plasticity, Baeza, Spain
The Neurobiology of Action, ESF-FENS Brain Research Conference, Stresa, Italy

2014

Neuroplasticity in Substance Addiction and Recovery, ZiF, Universitat Bielefeld, Bielefeld, Germany
Ernst Strungmann Forum, Diseases of the Nervous System: What is to be Done?, Frankfurt, Germany
22nd Jerusalem School in Life Sciences, Israel Institute for Advanced Studies, Jerusalem, Israel
Safra Center for Brain Sciences, The Hebrew University of Jerusalem, Jerusalem, Israel
8th International Meeting on Metabotropic Glutamate Receptors, Taormina, Italy
Synaptic Basis of Cognitive Dysfunction, Centro Interdisciplinario de Neurociencia, Valparasio, Chile

2015

Dept. of Neurochemistry, University of Tokyo School of Medicine, Tokyo, Japan
Dept. of Neurophysiology, Keio University School of Medicine, Tokyo, Japan
RIKEN Brain Sciences Institute, Tokyo, Japan
Roche Pharma Research and Early Development, Basel, Switzerland
Dept. of Neuroscience Retreat, Institut Pasteur, Paris, France
Genetics and Neural Complexity in Psychiatry, Santorini, Greece
Ernst Strungmann Forum, Computational Psychiatry, Frankfurt, Germany
From Synapses to Circuits and Behaviour, Cairns, Australia
International Society for Neurochemistry, Cairns, Australia
5th European Synapse Meeting, Bristol, United Kingdom

2016

World Economic Forum, Davos, Switzerland
18th International Neuroscience Winter Conference, Solden, Austria
Neurobiology of Mental Health Conference, Geneva, Switzerland
People's Hospital Neurology Conference, Shenzhen, China
Dopamine 2016, Vienna, Austria
5th Champalimaud Neuroscience Symposium, Lisbon, Portugal

Invited Talks and Presentations: International (cont.)

2017

Genomics and Systems Biology VII, NYU Abu Dhabi Institute, Abu Dhabi, United Arab Emerates
Functions and Mechanisms of Neuromodulation, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan
Learning, Memory and Synaptic Plasticity, FENS, Rungstedgaard, Denmark (co-organizer)
Neurobiology of Addiction Gordon Research Conference, Hong Kong
International Society for Neurochemistry Meeting, Paris, France
Past, Present and Future of Brain Research, Bordeaux, France
MDMA and psilocybin: Bridging science and clinical applications, Lisbon, Portugal (co-organizer)

2018

Department of Neuroscience Seminar, University of Calgary, Calgary, Canada
Plenary Speaker, Annual Meeting of the Korean Society for Brain and Neural Sciences, Seoul, South Korea
Neuroscience Symposium, Korea Advanced Institute of Science & Technology, Daejeon, South Korea
Neurons, Synapses & Circuits-From Function to Disease, Queensland Brain Institute, Manly, Australia
Nanyan Lecture, Peking University Shenzhen Graduate School, Shenzhen, China
International Cerebrovascular Disease and Psychosomatic Medicine Conference, Shenzhen, China
European Federation of Psychiatric Trainees Forum, Bristol, United Kingdom
Plenary Lecture, 22nd International Symposium on Regulatory Peptides, Acapulco, Mexico

2019

Paul Broca Lecture, NeuroFrance, Société des Neursociences, Marseille, France
Presidential Lecture, Canadian Association for Neuroscience Annual Meeting, Toronto, Canada
Keynote Lectures, Congress on Brain, Behavior and Emotions, Brasilia, Brazil
Special Lecture, Dept. of Neurology, Shenzhen People's Hospital, Shenzhen, China
Francis Crick Symposium-Transforming Neuroscience, Cold Spring Harbor Asia, Suzhou, China

2022

Keynote Lecture, Gordon Research Conference, Synaptic Transmission, Il Ciocco, Italy
Keynote Lecture, Molec., Cellular, Network Mechanisms of Synaptic Plasticity, Bordeaux, France
Keystone Symposium, Neurocircuitry of Social, Behavior, Daejon, South Korea

2023

Heller Lectures, Safra Center for Brain Sciences, Hebrew University, Jerusalem, Israel
Brain Plasticity: Regulation and Modulation, Weizmann Institute of Science, Rehovot, Israel
Sagol School of Neuroscience Seminar, Tel Aviv University, Tel Aviv, Israel
INSIGHT 2023, MIND Foundation, Berlin, Germany
Charite, Universitatsmedizin Berlin, Berlin, Germany
Neuroscience School of Advanced Studies, Neuroscience Summit, Crans-Montana, Switzerland

Invited Talks and Presentations: National

1988

The Neurosciences Institute of the Neurosciences Research Program, Summer Atelier in Theoretical Neurobiology, New York, NY
Scripps Clinic and Research Foundation, Neurosciences Seminar Series, San Diego, CA.

1989

Johns Hopkins University School of Medicine, Neuroscience Seminar Series, Baltimore, MD
American Academy of Neurology Annual Meeting, Neurophysiology Course, Chicago, IL.
The Neurosciences Institute of the Neurosciences Research Program, Summer Atelier in Theoretical Neurobiology, New York, NY

1991

The First UCLA/NIDA Conference on the Biological Basis of Substance Abuse, Los Angeles, CA
Stanford University School of Medicine, Dept. of Neurology, Grand Rounds, Stanford, CA
U.C.S.F., Dept. of Neurology, Grand Rounds, San Francisco, CA
ACNP Meeting, San Juan, Puerto Rico

1992

Winter Conference on Brain Research, Workshop Organizer, Steamboat Springs, CO
University of Alabama at Birmingham, Dept. of Neurobiology, Birmingham, AL

Invited Talks and Presentations: National (cont.)

Brandeis University, Neuroscience Seminar Series, Waltham, MA
University of California at Davis, Neuroscience Seminar Series, Davis, CA
University of California at Irvine, Dept. of Psychobiology, Irvine, CA

1993

Neurobiology of Learning & Memory Meeting, Park City, Utah
University of Chicago, Neuroscience Seminar Series, Chicago, IL
California Institute of Technology, Neuroscience Seminar Series, Pasadena, CA
Vanderbilt University, Dept. of Pharmacology, Nashville, TN
University of Washington, Dept. of Pharmacology, Seattle, WA
Harvard Medical School, Dept. of Neurobiology, Boston, MA
The Cortical Neuron Conference, Asilomar, CA.
The N.I.H. Conference on Calcium and Neuronal Plasticity, Bethesda, MD.
Purdue University, Neuroscience Retreat Keynote Speaker, West Lafayette, IN.
Basic Mechanisms of the Epilepsies, Conference and Workshop, Yosemite National Park, CA

1994

Winter Conference on Brain Research, Workshop Organizer, Snowbird, Utah
Meeting of the Neuroscience Research Program Associates, The Neurosciences Institute, La Jolla, CA
Yale University School of Medicine, Dept. of Psychiatry, New Haven, CT
XIXth C.I.N.P. Congress, Symposium speaker, Washington, D.C.
Howard Hughes Medical Institute, Molecular and Genetic Approaches to Mental Illness, Chevy Chase, MD

1995

University of Texas at Houston Medical School, Dept. of Neurobiology and Anatomy, Houston, TX
University of Texas Southwestern Medical School, Dept. of Pharmacology, Dallas, TX
University of Tennessee School of Medicine, Neuroscience Seminar Series, Knoxville, TN
International Symposium on Calcium-Binding Proteins and Calcium Function in Health and Disease, Airlie, VA.
University of Virginia Signal Transduction Symposium, Charlottesville, VA
American Society of Addition Medicine, Role of Neurobiology in Addiction Medicine, Washington, DC
University of California, Berkeley, Dept.of Molecular and Cellular Biology, Berkeley, CA.
Stanford University, Dept. of Cellular and Molecular Physiology, Stanford, CA.
Organizer, Third Annual Neuropharmacology Symposium, "Presynaptic Mechanisms of Neurotransmission", San Diego, CA. (3 day meeting, 500 in attendance)
Duke University, Dept. of Pharmacology, Durham , NC

1996

Winter Conference on Brain Research, Snowmass, CO
National Institute of Neurological Disorders and Stroke Neuroscience Series, Bethesda, MD.
Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
Third International Symposium: Basic Mechanisms of the Epilepsies, San Diego, CA.
Biennial McKnight Endowment Fund for the Neurosciences, San Diego, CA.
Keynote Address, Oregon Health Sciences University Neuroscience Retreat, Portland, OR.
Banbury Center Conference: Plasticity of Glutamate Receptors, Cold Spring Harbor, NY.
University of California, Davis, Program in Neuroscience, Davis, CA.

1997

U.C.L.A. Neuroscience Program, Los Angeles, CA.
Children's Hospital Neuroscience Program, Harvard Medical School, Boston, MA.
Gordon Research Conference, Excitatory Amino Acids and Brain Function, Plymouth, N.H.
Cold Spring Harbor Summer Course on Neural Mechanisms of Learning and Memory, Cold Spring Harbor, NY
Wayne State University School of Medicine, Grand Rounds, Dept. of Psychiatry, Detroit, MI.
University of Wisconsin, Neuroscience Program, Madison, WI
Case Western University School of Medicine, Neuroscience Program, Cleveland, OH

1998

University of California, Berkeley, Dept. of Molecular and Cell Biology, Berkeley, CA
Keystone Symposia: Synapse Formation and Function: From Neuromuscular Junction to CNS, Park City, UT
NIH Symposium: The Science of Brain Disease, Bethesda, MD
University of Pittsburgh, Neuroscience Program, Pittsburgh, PA

Invited Talks and Presentations: National (cont.)

University of Southern California, Neuroscience Program, Los Angeles, CA
National Institute on Drug Abuse, The Cellular and Molecular Basis of Emotional Memory: Implications for Addiction, Bethesda, MD.
Ionotropic Glutamate Receptors, 7th Neuropharmacology Conference, Los Angeles, CA

1999

The Zaffaroni Foundation, Neurobiology and Genetics of Addiction, San Francisco, CA
Baylor University School of Medicine, Neuroscience Program, Houston, TX
Howard Hughes Medical Institute, Scientific Workshop on Synapses, Chevy Chase, MD
29th Annual Society for Neuroscience Meeting, Special Lecture, Miami, FL
Learning and Memory Conference, Claremont College, Ontario, CA

2000

Adler Symposium: Biology of Memory: Normal functions & Age-associated impairments, San Diego, CA
AAAS Annual Meeting and Science Innovation Exposition, Washington, D.C.
67th Stated Meeting of the Neuroscience Research Program Associates, San Diego, CA
Neurobiology of Addiction 2000, Austin, TX
Brown University School of Medicine, The Dynamic Brain: Molecules Mathematics the Mind, Providence, RI
University of Alabama, Birmingham, Neuroscience Program Retreat, Keynote Speaker, Birmingham, AL
Vollum Research Institute, Oregon Health Sciences University, Portland, OR
Yale University School of Medicine, Dept. of Psychiatry Grand Rounds, New Haven, CT
A.C.N.P., San Juan, Puerto Rico

2001

University of Pittsburgh, Neuroscience Program, Pittsburgh, PA
Yale University School of Medicine, Neuroscience Program, New Haven, CT
68th Stated Meeting of the Neuroscience Research Program Associates, San Diego, CA
University of California, Irvine, Neuroscience Program, Irvine, CA
Gallo Research Center and Clinic, University of California, San Francisco, Emeryville, CA
Society for Biological Psychiatry Annual Meeting, Presidential Lecture, New Orleans, LA
Gordon Conference on Catecholamines, Proctor Academy, NH.
University of Utah, Neuroscience Program, Salt Lake City, Utah
University of California, San Francisco, Dept. of Psychiatry Grand Rounds, San Francisco, CA
Conf. Chairman, Molecular Mechanisms of Synaptic Function, Neuropharmacology Conference, San Diego, CA
A.C.N.P., Waikoloa, Hawaii

2002

Marsh Endowed Lecture in Pharmacology and Neurochemistry of Addiction, School of Pharmacy, Texas Tech University Health Sciences Center, Amarillo, TX
Emory University School of Medicine Grand Rounds, Dept. of Psychiatry and Behavioral Sciences, Atlanta, GA
Northwestern University, Dept. of Neurobiology and Physiology, Evanston, IL
M.I.T., Neuroscience Program, Cambridge, MA
33rd Annual International Narcotics Research Conference, Asilomar, CA
Organizer, Symposium on "Addiction and the Brain", Stanford University School of Medicine, Stanford, CA
University of Chicago, Keynote Speaker, 4th Annual Brain Research Foundation Neuroscience Day, Chicago, IL
University of California, Davis, Keynote Speaker, 2002 Neuroscience Retreat, Bodega Bay, CA
Gruter Institute for Law & Behavioral Research, The Science, Policy and Law of Addictive Subtances: Licit and Illicit Strategies in the Context of Tobacco, Center for Advanced Studies in Behavioral Sciences, Stanford, CA.

2003

Washington University, Neuroscience Program, St. Louis, MO
Brandeis University, Keynote Speaker for Volen Center for Complex Systems Retreat, Boston, MA
University of Pennsylvania, Keynote Speaker, Institute of Neurological Sciences Annual Retreat, Philadelphia, PA
Glutamate and Disorders of Cognition and Motivation, New York Academy of Sciences, New Haven, CT
University of Washington, Krebs Student Lectureship, Dept. of Pharmacology, Seattle, WA
Sixth Annual Stanford Symposium on Developmental Approaches to Psychopathology, Stanford, CA
U.C.S.F. Symposium on Biological Basis of Alcoholism and Addiction, San Francisco, CA
University of Maryland, Neuroscience Program, Baltimore, MD
Gordon Research Conference on Excitatory Amino Acids and Brain Function, Mount Holyoke College, MA

Invited Talks and Presentations: National (cont.)

Cold Spring Harbor Course on Cellular Biology of Addiction, Cold Spring Harbor, NY
Brown University, Neuroscience Seminar Series, Providence, RI

2004

UCSD, Neuroscience Seminar Series, La Jolla, CA
Salk Institute, Adler Foundation Symposium on Alzheimer's Disease, Discussant, La Jolla, CA
NIH Conference, The Synapse: Molecular Mechanisms of Plasticity, St. Michaels, MD
Cold Spring Harbor Meeting, Channels, Receptors & Synapses, Session Chair, Cold Spring Harbor, NY
Vanderbilt University Summer Conference, Frontiers in Addiction Biology: Genomics and Beyond, Nashville, TN.
McKnight Conference on Neuroscience, Disease Workshop, Aspen, CO
MIT Picower-RIKEN Neuroscience Symposium, New Frontiers in Brain Science: From Molecules to Mind, Cambridge, MA
Roche Palo Alto Seminar Series, Palo Alto, CA
The Cytoskeleton and Synaptic Function, Neuropharmacology Conference, San Diego, CA
UC Santa Barbara, Neuroscience Seminar Series, , Santa Barbara, CA
Association for Research in Nervous and Mental Disease, Substance Abuse: New Approaches to Understanding and Treatment, New York, NY
Skirball Institute, New York University, Neurobiology Seminar Series, , New York, NY

2005

NINDS, Down Syndrome: Toward Optimal Synaptic Function and Cognition, Washington, DC
Neurosciences Research Program, Neurosciences Institute, La Jolla, CA
University of Cincinnati, Neuroplasticity in Health and Disease Symposium, Cincinnati, OH
Neuroscience Seminar Series, University of Southern Californai, Los Angeles, CA
Stanford University, Genetics, Neurobiology and Addiction: Where are the Answers?, Palo Alto, CA
John Flynn Memorial Lecture, Dept. of Psychiatry, Yale University, New Haven CT
Dept. of Physiology, Northwestern University, Evanston, IL
Neuroscience Seminar Series, University of California, Berkeley
Symposium Chair and Speaker, ACNP Meeting, Waikoloa, Hawaii

2006

Neurosciences Research Program Annual Meeting, Neurosciences Institute, La Jolla, CA
U.S.-Japan Workshop, Coordination of Structural and Functional Synaptic Plasticity, Maui, HI
Keynote Lecture, Channels, Receptors & Synapses Meeting, Cold Spring Harbor Lab, NY
Honors Program Lecture Series, New York University School of Medicine, New York, NY
Neurobiology of Addiction Symposium, Picower Center, M.I.T., Cambridge, MA
Dept. of Neurobiology, Harvard Medical School, Boston, MA
Gordon Research Conference, Synaptic Transmission, New London, NH
Presidential Symposium on Neuroscience, Univ. Minnesota, Minneapolis, MN
Dept. of Neurobiology, Duke University, Durham, NC
Perl Neuroscience Prize Lecture, University of North Carolina, Chapel Hill, NC
Frontiers of Neurosciences Drug Discovery Meeting, Merck Research Lab, Boston, MA
Special Lecture, Society for Neuroscience Annual Meeting, Atlanta, GA
Public Lecture, Neurosciences Institute, La Jolla, CA
Dept. of Neuroscience, Johns Hopkins University, Baltimore, MD

2007

Keystone Symposia, Neurobiology of Addiction, Sante Fe, New Mexico
Gordon Research Conference, Glia Biology: Functional Interactions Among Glia and Neurons, Ventura, CA
Plenary Lecture, International Congress on Schizophrenia Research, Colorado Springs, CO
N.I.H. Neuroscience Seminar Series, Bethesda, MD
Chair, Gordon Research Conference, Excitatory Synapses and Brain Function, New London, NH
International Symposium on Parkinson Research, National Parkinson Foundation Meeting, San Diego, CA
N.I.D.A. Mini Convention, Frontier in Addiction Research, San Diego, CA
A.C.N.P. Meeting, Boca Raton, FL

2008

Winter Conference on Brain Research Symposium, Molecular Mechanisms of Synaptic Plasticity, Snowbird, UT
US-Japan Brain Research Collaborative Program: Receptor Trafficking and Cell Biology of Neurons, Asilomar, CA
Keynote Speaker, Neuroscience Day, University of New Mexico, Albuquerque, NM

Invited Talks and Presentations: National (cont.)

Gladstone Institute of Neurological Sciences, Seminar Series, U.C.S.F., San Francisco, CA
Committee on Neurobiology Seminar Series, University of Chicago, Chicago, IL
Neuroscience Seminar Series, Baylor College of Medicine, Houston, TX
Keynote Lecture, Brain Research Foundation 10th Annual Neuroscience Day, Chicago, IL

2009

Synapses: Postsynaptic Mechanisms of Plasticity, NIH, Warrenton, VA
Skirball Symposium, NYU, Structure of the Synapse, New York, NY

2010

Adler Symposium on Alzheimer Disease, Salk Institute, La Jolla, CA.
Gordon Conference on Synaptic Transmission, University of New England, Biddeford, Maine
Neuroscience Seminar Series, Mt. Sinai School of Medicine, New York, NY

2011

University Distinguished Lecture, University of Texas Southwestern School of Medicine, Dallas, Texas
Neuroscience Seminar Series, U.C.S.D., San Diego, CA.
Grand Rounds, Dept. of Psychiatry, U.C.S.F., San Francisco, CA.
Keynote Lecture, Ernest Gallo Clinic & Research Center Retreat, Santa Cruz, CA.
Gordon Research Conference, Excitatory Synapses & Brain Function, Stonehill College, Mass.
Molecular and Cellular Cognition Society Symposium, Washington, DC
Society for Neuroscience Symposium, Cell-type Specific Plasticity in the Basal Ganglia, Washington, DC
American College of Neuropsychopharmacology, Waikoloa, Hawaii

2012

Grand Rounds, Dept. of Psychiatry, Stanford University
Keynote Speaker, ApoE, Alzheimer's and Lipoprotein Biology, Keystone Symposium, Keystone, CO
Broad Neurobiology and Disease Seminar Series, Duke University, Durham, NC
One Mind for Research Conference, UCLA, Los Angles, CA
Hille Lecture, Dept. of Physiology and Biophysics, University of Washington, Seattle, WA
Center for Neuroscience Retreat, University of Pittsburgh, Pittsburgh, PA
Cell Symposia: Neuromodulatory Mechanisms, New Orleans, LA.
Simons Foundation Autism Research Initiative Meeting, New York, NY
American College of Neuropsychopharmacolgy, Hollywood, FL

2013

Neuroscience Seminar Series, Scripps Research Institute, Jupiter, FL
Catecholamines, Gordon Research Conference, Mt. Snow, VT
Emerging Genetics and Neurobiology of Severe Mental Illness, Broad Institute, MIT, Cambridge, MA
Neuroscience Seminar Series, Brown University, Providence, RI
Plenary Speaker, Molecular Psychiatry Association Meeting, San Francisco, CA

2014

Cold Spring Harbor Laboratory, Neuroscience Seminar Series, Cold Spring Harbor, NY
New York University, Center for Neural Sciences Seminar Series, New York, NY
Margaret Bidwell Memorial Lecture, Dept. of Brain & Cognitive Sciences, MIT, Cambridge, MA
Gordon Conference on Basal Ganglia, Ventura, CA
Gordon Conference on Synaptic Transmission, Waterville Valley, NH
Washington University School of Medicine, Neuroscience Seminar Series, St. Louis, MO

2015

Dept. of Neuroscience, University of Pittsburgh, Pittsburgh, PA
MSTP Seminar Series, University of California, Irvine, CA
Co-Organizer, Motivational Circuits, HHMI Janelia Research Campus, Ashburn, VA
Excitatory Synapses and Brain Function Gordon Conference, Newport, RI
Neuroscience Program, Universidad Central del Caribe, San Juan, Puerto Rico
Plasticity in Biology, Foundation IPSEN and Cell Press, La Jolla, CA.

Invited Talks and Presentations: National (cont.)

2016

Basal Ganglia Gordon Research Conference, Ventura, CA
Molecular Mechanisms in the Synapse, HHMI Janelia Research Campus, Ashburn, VA
Dept. of Neuroscience, University of Minnesota, Minneapolis, MN
Optogenetics Gordon Research Conference, Bethel, ME
Synaptic Transmission, Gordon Research Conference, Waterville, NH
Molecular Psychiatry Meeting, Maui, HI

2017

Dept. of Neurobiology, University of Maryland School of Medicine, Baltimore, MD
Axelrod Symposium, NIMH, Bethesda, MD
Neuroscience Seminar Series, University of Massachusetts School of Medicine, Worcester, MA
Neurobiology Seminar Series, Harvard Medical School, Boston, MA
Neuroscience Seminar Series, Medical University of South Carolina, Charleston, SC
McKnight Endowment Fund for Neuroscience Meeting, Aspen, CO
Neuroscience Seminar Series, University of California, Davis

2018

Neuroscience Seminar Series, UCSF, San Francisco, CA
Trefethen Family Visiting Professorship Lecture, UCSF, San Francisco, CA
Dominick Purpura Distinguished Neuroscientist Lecture, Albert Einstein Medical College, New York, NY
Brains & Behavior, 83rd Cold Spring Harbor Lab. Symposium on Quantitative Biology, Cold Spring Harbor, NY
Neuroscience Symposium, Johns Hopkins University School of Medicine, Baltimore, MD
Samsung Global Research Symposium on Molecular Neuroscience, Mountain View, CA
American College of Neuropsychopharmacology, Hollywood, FL.

2019

CNC Program Symposium, Stanford University, Stanford, CA
Plenary Lecture, Rutgers Brain Health Institute, Rutgers University, Piscataway, NJ
Excitatory Synapses and Brain Function, Gordon Research Conference, Manchester, NH
Regulation of Neural Function in Health and Disease, 40th Sanford-Burnham Symposium, La Jolla, CA

2021

Eric J. Simon Lecture in Basic & Translational Neuroscience, New York University, New York, NY
Keynote Lecture, Neuro Research Day, SUNY Upstate Medical University, Syracuse, NY
Conte Center Colloquium, Harvard University, Cambridge, MA.
Keynote Address, 16th Annual NIH Pain Consortium, Symposium, Bethesda, MD.
McKnight Endowment Fund for Neuroscience Annual Meeting, Aspen, CO.

2022

Keynote Lecture, Suzanne Zukin Symposium, Albert Einstein College of Medicine, New York
Samuel Barondes Lectureship in Biological Psychiatry, UCSF, San Francisco, CA
Molecular Psychiatry Meeting, Organizer, Maui, HI.
National Academies Forum on Neuroscience and Nervous System Disorders, on-line.
Burke Neurological Institute, Weill Cornell School of Medicine, New York, NY
American College of Neuropsychopharmacology Annual Meeting, Phoenix, AZ

2023

Sunposium 2023, Max Planck Florida Institute of Neuroscience, West Palm Beach, FL.
Vollum Institute, Oregon Health Sciences Unversity, Portland, OR

2024

George Aghajanian Lecture, Yale University School of Medicine, New Haven, CT.
Seminar to MSTP (M.D.,Ph.D.) and Neuroscience Programs, Univ. California, Irvine, CA.
Keynote Lecture, Klingensten-Simons Foundation Fellows Meeting, New York, NY.
Steven C. Beering Award Lecture, Indiana University School of Medicine, Indianapolis, IN

Grant Support

7/89-6/92	Klingenstein Fellowship Award in the Neurosciences
9/89-8/94	N.I.M.H. (R29 MH45334), "Mechanisms of Synaptic Plasticity in the Hippocampus" (P.I.)
9/90-8/94	NARSAD Young Investigator Award
7/90-6/93	McKnight Scholars Award in Neuroscience
9/90-9/92	Alfred P. Sloan Research Fellow
9/91-8/96	N.I.M.H. Research Scientist Award, Level II
9/96-8/01	N.I.M.H. Independent Scientist Award
9/94-8/00	N.I.A. (RO1 AG12928) “Mechanisms of Synaptic Plasticity in the Hippocampus" (P.I.)
12/93-8/00	N.I.N.D.S (P01 NS16033-15) “Function and Development of the Synapse”(co-P.I.)
10/96-9/99	Human Frontier Science Program “Modulation of synaptic efficacy by phosphorylation mechanisms” (co-P.I.)
1/97-12/00	McKnight Investigator Award in Neuroscience
3/95-8/10	N.I.D.A. (5 RO1 DA09264) “Drugs of abuse & synaptic processes in dopamine system " (P.I.)
4/01-3/11	N.I.M.H. (5 R37 MH063394), MERIT Award, “Mechanisms of synaptic plasticity in the hippocampus” (P.I.)
7/03-6/18	N.I.D.A. (P01 DA008227) Program Project, “Molecular neurobiology of drug addiction” (E. Nestler, P.I.), Project 3, “Synaptic plasticity in the mesolimbic dopamine system” (R.C. Malenka, P.I.)
9/06-8/11	N.I.N.D.S. (P01 NS053862) Program Project, “Mechanisms and functions of presynaptic plasticity” (C.Garner, P.I.), Project 2, “Electrophysiological analysis of RIM function in presynaptic plasticity” (R.C. Malenka and N. Calakos, co-P.I.’s)
5/07-4/08	NARSAD Distinguished Investigator Award
11/08-10/10	Fidelity Foundation, ‘Molecular mechanisms of synaptic plasticity in the hippocampus” (P.I.)
9/09-8/14	N.I.M.H. (P50 MH086403) Conte Center Program Project, “Activity-dependent synaptic and circuit plasticity”, (R.C. Malenka: Director:); Project 2, “Input specific synaptic plasticity in hippocampal circuits.” (R.C. Malenka: P.I.)
9/09-8/11	N.I.M.H. (RO1 MH089054) “A systematic test of the relation of ASD heterogeneity to synaptic function” (T. Sudhof and R.C. Malenka, co-P.I.’s)
9/01-8/13	N.I.M.H. (RO1 MH063394), “Mechanisms of synaptic plasticity in the hippocampus” (P.I.)
12/11-11/13	N.I.D.A. (R21 DA03295501), "Cell type-specific roles of Homer proteins in synaptic plasticity" (P.I.)
8/11-7/14	Simons Foundation Autism Research Initiative, "Mesocorticolimbic dopamine circuitry in mouse models of autism" (P.I.)
10/14-9/17	Simons Foundation Autism Research Initiative, "Neural mechanisms of social reward in mouse models of autism" (P.I.)
4/15-2/20	N.I.M.H. (P50 MH086403) Conte Center Program Project, “Activity-dependent synaptic and circuit plasticity”, (R.C. Malenka, Director: PI Project 2)

Grant Support (cont.)

12/17-11/27 N.I.D.A. (P50 DA042012), Program Project, "Neural circuit dynamics of drug action" (K. Deisseroth, P.I.), Project 3, " Dissociating MDMA's and methamphetamine's rewarding and prosocial actions" (R.C. Malenka, P.I.)

University and Public Service
Department of Psychiatry--UCSF

1989-1993	Biomedical Research Support Grant Committee
1990-1999	Committee on Animal Research
1990-1994	Residency Selection Committee
1990-1991	Faculty Search Committee - Assistant Professor, Psychopharmacology
1990-1991	Faculty Search Committee - Assistant Professor, Child Psychiatry
1990-1991	Faculty Search Committee - Director of Alzheimer's Disease Center
1991-1992	Faculty Search Committee - Assistant Professor, Keck Center for Integrative Neuroscience
1991-1992	Faculty Search Committee - Assistant Professor
1993	Chair, Faculty Search Committee -Assistant Professor
1993-1999	Member, Center for Neurobiology and Psychiatry
1994-1999	Compensation Plan Committee (Chair, 1995-present)
1994-1999	Co-Director, N.I.M.H. Training Grant, Molecular Approaches to Mental Illness
1995	Chair, Search Committee, J. and S. Robertson Chair in Neurobiology and Pscyhiatry
1995-1996	Search Committee, Chief of Psychiatry, VAMC
1995-1996	Brain-Behavior Research Center Committee
1996	Five Year Review Committee, Dept. of Psychiatry, UCSF-Mt. Zion Medical Center
1996-1997	Search Committee, Chief of Psychiatry, UCSF-Mt. Zion Medical Center
1996-1997	Horizon Committee
1997-1999	Executive Advisory Committee
1997-1999	Associate Director, Center for Neurobiology and Psychiatry
1997-1999	Chair, Search Committee, Drug Abuse Psychopharmacologist, VAMC

Department of Psychiatry and Behavioral Sciences--Stanford University

1999-present	Executive Committee
1999-present	Residency Selection Committee – Research Track
2001-2024	Appointments and Promotions Committee
2007-present	Associate Chair

Clinical Duties--UCSF

1991-1996	Attending, Continuing Care Clinic, V.A. Medical Center (5 hrs./week)
1991-1999	Senior O.D. Coverage, Langely Porter Psychiatric Institute (2 weeks/yr.)

Department of Physiology--UCSF

1989-1994	Neuroscience Program Admissions Committee
1993-1999	Machine and Electronics Shop Committee

University Wide--UCSF

1991-1997	Research Evaluation and Allocation Committee
1994-1999	Student Research Committee
1994-1999	Ad Hoc Promotion Committees (7 total; Chairman for 1)
1996-1997	Chairman, Subcommittee for establishing a Center for the Neurobiology of Addiction
1997-1999	Director, Center for the Neurobiology of Addiction

University Wide—Stanford

2003-2008	Executive Committee, Stanford Neuroscience Institute
2004-2005	Chairman, Search Committee for the Avram Goldstein Endowed Professorship
2008-2013	co-Director, Stanford Institute for Neuro-innovation and Translational Neurosciences

University Wide—Stanford

2013-2023 Deputy Director, Wu Tsai Neurosciences Institute

Teaching (Formal)--UCSF

Fall Quarter (1989) - Guest lecturer in core course for PGY-II psychiatry residents - 6 hours
Spring Quarter (1990) - Neuroscience 231 - Graduate Seminar - "Neurotransmitter Mechanisms in the Central Nervous System" - 35 hours
Winter Quarter (1991) - Psychiatry 131A - Med Student II course - Small group leader - 24 hours
Spring Quarter (1992) - Neuroscience 245 - Graduate Seminar - "The Limbic System" - 25 hours
Spring Quarter (1993-1997) - Anatomy 103 - Nervous System Function & Form, 1st year medical students - 3 hours
Spring Quarter (1993) - Biological Foundations of Psychiatry -PGY3 residents - 15 hours
Fall Quarter (1993) - Biological Foundations of Psychiatry - PGY3 residents - 15 hours
Fall Quarter (1993) - Neuroscience 231 - Graduate Seminar - "Synaptic mechanisms" - 40 hours

Winter Quarter (1996, 1997, 1998) -Neuroscience 201B-Developmental & Systems Neurobiology- 6 hours
Spring Quarter (1998) - Neuroscience 231 - Graduate Seminar - “Synaptic mechanisms” - 40 hours

Teaching (Formal)--Stanford University

Fall Quarter (1999, 2000), Biol. Sci. 154/254; Neurobiology 254—“Long-term potentiation”—2 hours
Spring Quarter (1999-2003), Dept. of Psychiatry & Behavioral Sciences, Seminar for child residents-1 hour
Fall Quarter (2001) Neurobiology 250—Neurotechniques –6 hours
Winter Quarter (2002, 2003) Neurobiology 200- 2 hours
Winter Quarter (2004-2012) Neurobiology 200-1 hour
Since 2012, I give 3-5 hour long lectures a year in various classes.

Predoctoral Students

1990	John Rabin (M.D.)
1990	Christopher deCharms (Ph.D.)
1991	Sophia Colamarino (Ph.D.)
1991	David Selig (M.D.)
1992	Saleem Nicola (Ph.D.)
1992	Jennifer Cummings (Ph.D.)
1994	Greg Hjelmstad (Ph.D.)
1996	Sarah Craven (Ph.D.)
1997	Eric Schnell (M.D.,Ph.D.)
2001	Sonja Pyott (Ph.D.)
2001	Sheela Singla (M.D.,Ph.D.)
2008	Rohit Prakash (Ph.D.)
1992-1997	Saleem Nicola (Ph.D.)
1993-1997	Jennifer Cummings (Ph.D.)
1994-1998	Greg Hjelmstad (Ph.D.)
1995-1997	David Selig, M.D. (Ph.D.)
2001-2007	Sheela Singla (M.D., Ph.D.)
2003-2007	Jennifer Tsui (Ph.D.)
2018-2024	Daniel Cardozo Pinto (Ph.D.)

Postdoctoral Fellows

1990-1991	Andrius Baskys, M.D.,Ph.D.
1990-1992	Yan-You Huang, M.D.
1991-1997	Rosel Mulkey, Ph.D.
1992-1993	Rodney Sayer, M.D.,Ph.D.
1992-1994	Caroline Herron, Ph.D.
1992-1995	Samuel Kombian, Ph.D.
1992-1995	Diane Spillane, Ph.D.
1993-1995	Michael Crair, Ph.D.

Postdoctoral Fellows (cont.)

1994-1996	John Isaac, Ph.D.
1995-1999	Chad Christine, M.D.
1996-2000	Reed Carroll, Ph.D.
1996-1998	Thanos Tzounopoulos, Ph.D.
1997-1998	Dan Feldman, Ph.D.
1997-1999	David Selig, M.D.
1997-1998	Saleem Nicola, Ph.D.
1998-2001	Mark Thomas, Ph.D.
1998-2002	Alison Barth, Ph.D.
1998-2002	Huihui Xia, Ph.D.
1998-1999	Antonello Bonci, Ph.D.
1998-2002	Eric Beattie, Ph.D.
1999-present	Wade Morishita, Ph.D.
1999-2004	Xiang Yu, Ph.D.
1999-2002	Corinne Beurrier, Ph.D.
1999-2001	Pablo Castillo, M.D., Ph.D.
2000-2002	Steven Braithwaite, Ph.D.
2000-2002	Hiroki Yasude, M.D., Ph.D.
2000-2004	Karl Deisseroth, Ph.D.
2001-2005	Helene Marie, Ph.D.
2001-2007	David Stellwagen, Ph.D.
2001-2004	Daniel Saal,, M.D., Ph.D.
2001-2005	Nicole Calakos, M.D.,Ph.D.
2002-2006	Maria Paz Regalado, Ph.D.
2002-2004	William Ju, Ph.D.
2002-2004	Yan Dong, Ph.D.
2002-2006	Oliver Schlueter, M.D., Ph.D.
2002-2008	Weifeng Xu, Ph.D.
2002-2004	Rachel Ozer, Ph.D.
2003-2007	Anatol Kreitzer, Ph.D.
2004-2009	Virginie Biou, Ph.D.
2004-2009	Percy Luu, Ph.D.
2005-2010	Samarjit Bhattacharyya, Ph.D.
2006-2012	Ami Citri, Ph.D.
2006-2012	Brad Grueter, Ph.D.
2006-2010	Gabor Brasjno, Ph.D.
2007-2013	Gilberto Soler-Llavina, Ph.D.
2007-2013	Mohiuddin Ahmad, Ph.D.
2008-2013	Sandra Jurado, Ph.D.
2008-2014	Marc Fucillo, M.D.,Ph.D.
2008-2017	Jai Polepalli, Ph.D.
2009-2015	Stephan Lammel, Ph.D.
2009-2013	Byungkook Lim, Ph.D.
2009-2014	Gul Dolen, M.D.,Ph.D.
2009-2016	Debanjan Goswami, Ph.D.
2010-2016	Patrick Rothwell, Ph.D.
2010-2014	Neil Schwartz, Ph.D.
2010-2015	Csaba Foldy, Ph.D.
2010-2017	Garrett Anderson, Ph.D.
2010-2017	Richard Wu, Ph.D.
2011-2014	Scott Hayton, Ph.D.
2011-2013	Pamela Arstikaitis, Ph.D.
2012-2018	Paul Temkin, Ph.D.
2013-2019	Elizabeth Steinberg, Ph.D.
2013-2021	Nicholas Wall, Ph.D.
2013-2017	Lin Wai Hung, Ph.D.
2013-2021	Daniel Christoffel, Ph.D.
2013-2019	Boris Heifets, M.D.,Ph.D.
2013-2018	Kevin Beier, Ph.D.

Postdoctoral Fellows (cont.)

2014-2021	Jessica Walsh, Ph.D.
2014-2017	Medhi Bhouri, Ph.D.
2015-2021	Peter Neumann, Ph.D.
2015-2020	Paul Hoerbelt, Ph.D.
2015-2022	Xiaoting Wu, Ph.D.
2015-2019	Hemmings Wu, M.D.
2016-2017	Sarah Baghat, Ph.D.
2016-2023	Felicity Gore, Ph.D.
2017-2023	Rui Lu, Ph.D.
2017-2021	Monique Smith, Ph.D.
2018-2021	Anna Klawonn, Ph.D.
2018-2021	Nao Asada, Ph.D.
2018-2021	Brandon Bentzley, M.D.,Ph.D.
2018-2022	Neir Eshel, M.D.,Ph.D.
2018-2023	Jason Tucciarone, M.D.,Ph.D.
2019-present	Matthew Pomrenze, Ph.D.
2021-2024	Benjamin Rein, Ph.D.
2021-present	Zihui Zhang, Ph.D.
2021-present	Jinhee Baek, Ph.D.
2022-present	Lindsay Cameron, Ph.D.
2022-2025	Robyn St. Laurent, Ph.D.
2023-present	Nicholas Denomme, Ph.D.
2023-2025	Timothy Chapman, Ph.D.
2023-present	Sherod Haynes, M.D., Ph.D.
2024-present	Allen Chen, M.D., Ph.D.
2025-present	Mohammed Asim, Ph.D.
2025-present	David Wang, M.D., Ph.D.

Ph.D. Qualifying Exams/Thesis Defense

Margaret Bradbury
James Sabry
Nomi Robinson
Marc Weisskopf
Deda Gillespie
Albert Hsia
Charlotte Boettiger
Stephen Gomperts
Elizabeth Bellocchio
Sarah Craven
Vikas Duvvuri
Matthew Huggins
Sarah Carter
Rohit Prakash
Lisa Gunaydin
Seung Yong Kim
Joanna Mattis
Aslihan Selimbeyoglu
Erica Seigneur
Kelly Zalocsky
Xintong Dong
Kelly Hennigan
Piper Keys
John Peters
Biafra Ahanonu
Molly Lucas
Eddy Albaron
Ashley Moses
Abigail Rogers

Editorial Boards

Neuron
Neuropharmacology (past)
American Journal of Psychiatry (past)
Trends in Neuroscience
NeuroMolecular Medicine (past)
Brain Work, Neuroscience Newsletter (Dana Press)
Current Opinion in Neurobiology (past)
Experimental Neurology
Biological Psychiatry (past)
Neuroscience Letters
Hippocampus (past)
Neuron Glia Biology (past)

Ad Hoc Referee (selected)

Cell
Science
Nature
Nature Neuroscience
Neuron
Proc. Natl. Acad. Sci. U.S.A.
Journal of Physiology
Journal of Neuroscience
Journal of Neurophysiology
Neuroscience
Synapse
European Journal of Neuroscience
Biological Psychiatry

Service to National/International Organizations

1994	Howard Hughes Predoctoral Fellowship Review Committee
1994	Site Visit to NICHD, Laboratory of Cellular and Molecular Neurophysiology
1994-2002	Grant Reviewer, Wellcome Trust, U.K.
1994-1999	American Psychiatric Association, Dept. of Psychiatry Research Liason
1995-2003	Grant Reviewer, Medical Research Council, U.K.
1995-2010	Grant Reviewer, Human Frontier Science Program, France
1996-1998	Member, Neurophysiology and Neuroanatomy Study Section, NIDA
1999-2000	Member, MCDN5 Study Section, NIH
1999-2004	Society for Neuroscience, Program Committee (Chairman, 2003)
2001-2005	National Advisory Council on Drug Abuse, NIH (NIDA)
2001-present	Scientific Council, Brain and Behavior Research Foundation (formerly NARSAD)
2006-2010	Society for Neuroscience, Council
2008	Chair, NIMH Conte Centers in Basic Neuroscience Review Committee
2006-2016	Scientific Advisory Board, Stanley Center for Psychiatric Research, Broad Institute, MIT/Harvard
2010-present	Board of Directors, The Brain Research Foundation, Chicago, IL
2010-2012	Scientific Advisory Board, International Mental Health Research Organization
2012-2023	Scientific Advisory Board, Cure Alzheimer's Fund.
2012-2015	Council, Amercian College of Neuropsychopharmacology
2012-present	Scientific Advisory Board, One Mind for Research
2013-2021	Scientific Adviser, Neurocampus, Bordeaux, France
2016-2020	Wellcome Trust Review Committee, London, UK
2019-present	Chief Scientific Advisor, Foundation for OCD Research (FFOR)
2021-present	Scientific Advisory Board, Breakthrough Discoveries for Thriving with Bipolar Disorder (BD^2)
2023-present	Scientific Advisory Board, Aligning Research to Impact Autism (ARIA)
2024-present	co-Scientific Director, Aligning Discoveries Across Psychedelic Therapeis (ADAPT

Scientific Advisory Boards (for profit)

2000-2008	Merck, Inc.
2000-2008	Renovis, Inc.
2003-2005	Sention, Inc.
2006-2015	Seaside Therapeutics, Inc.
2007-2008	Amnestix, Inc.
2008-2011	Pfizer, Inc.
2010-2020	Cognitive Therapeutics, Inc.
2012-2018	Circuit Therapeutics, Inc. (co-founder)
2018-2025	Aelis Farma
2018-2021	Cerevance, Inc.
2019-present	MapLight Therapeutics (co-founder)
2020-2023	Cyclerion
2021-present	Definium Therapeutics
2022-2024	Bright Minds Biosciences

Community Service

1993	Lecture to Friends of Langley Porter Psychiatric Institute
1995	Lecture to Public School Teachers, U.C. Berkeley Extension
1996	Brown Bag Lecture, UCSF