

## 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  
Program in Neuroscience, Ph.D.  
1978-1983                      Stanford University School of Medicine, M.D.

#### Positions Held

2013-present                      Deputy Director, Wu Tsai Neurosciences Institute, Stanford University  
Associate Chair, Dept. of Psychiatry and Behavioral Sciences  
2008-2013                      co-Director, Stanford Institute for Neuro-Innovation and Translational  
Neurosciences  
Associate Chair, Dept. of Psychiatry and Behavioral Sciences  
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

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### 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

### 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 10<sup>th</sup> 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, 5<sup>th</sup> European Synapse Meeting, Bristol, United Kingdom - 2015  
Jack Diamond Memorial Lecture, McMaster University, Hamilton, Canada – 2016  
Keynote Lecture, 18<sup>th</sup> International Neuroscience Winter Conference, Sölden, Austria – 2016

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### Honorary Lectures (cont.)

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, 22<sup>nd</sup> International Symposium on Regulatory Peptides, Acapulco, Mexico – 2018  
Plenary Lecture, Samsung Global Research Symposium on Molecular Neuroscience, Mt. View, CA - 2018  
Nanyan Lecture, Peking University Shenzhen Graduate School, Shenzhen, China – 2018  
Paul Broca Lecture, NeuroFrance, Société des Neurosciences, 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

### Licenses

1984-present                      Medical License, California (G53810)

### 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 October, 2021: Google Scholar h-index=159; total citations=101,700)

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.
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.

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**Publications (cont.)**

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<sub>A</sub> and GABA<sub>B</sub> 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.
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.

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**Publications (cont.)**

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<sup>2+</sup> 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-mediated 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.

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**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.

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**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. Oliek, 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<sup>+</sup> 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.

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**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.
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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.

**Robert C. Malenka, M.D., Ph.D.**

**Chapters (cont.)**

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

**Robert C. Malenka, M.D., Ph.D.**

**Invited Talks and Presentations: International (cont.)**

**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 Neuropsychopharmacology", 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 Edinburg, Neuroscience Program, Edinburg, 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, 1<sup>st</sup> 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

**Robert C. Malenka, M.D., Ph.D.**

**Invited Talks and Presentations: International (cont.)**

**2009**

Learning and Addiction, Institute for Advanced Studies & the Israel Science Foundation, Jerusalem, Israel  
9<sup>th</sup> 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  
7<sup>th</sup> 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  
8<sup>th</sup> 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  
22<sup>nd</sup> Jerusalem School in Life Sciences, Israel Institute for Advanced Studies, Jerusalem, Israel  
Safra Center for Brain Sciences, The Hebrew University of Jerusalem, Jerusalem, Israel  
8<sup>th</sup> International Meeting on Metabotropic Glutamate Receptors, Taormina, Italy  
Synaptic Basis of Cognitive Dysfunction, Centro Interdisciplinario de Neurociencia, Valparaiso, 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  
5<sup>th</sup> European Synapse Meeting, Bristol, United Kingdom

**2016**

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

**Robert C. Malenka, M.D., Ph.D.**

**Invited Talks and Presentations: International (cont.)**

**2017**

Genomics and Systems Biology VII, NYU Abu Dhabi Institute, Abu Dhabi, United Arab Emirates  
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

**2018**

International Cerebrovascular Disease and Psychosomatic Medicine Conference, Shenzhen, China  
European Federation of Psychiatric Trainees Forum, Bristol, United Kingdom  
Plenary Lecture, 22<sup>nd</sup> International Symposium on Regulatory Peptides, Acapulco, Mexico

**2019**

Paul Broca Lecture, NeuroFrance, Société des Neurosciences, 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

**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  
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

**Robert C. Malenka, M.D., Ph.D.**

**Invited Talks and Presentations: National (cont.)**

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 Addiction 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  
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, 7<sup>th</sup> Neuropharmacology Conference, Los Angeles, CA



**Robert C. Malenka, M.D., Ph.D.**

**Invited Talks and Presentations: National (cont.)**

**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  
29<sup>th</sup> 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.  
67<sup>th</sup> 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

**2000**

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  
68<sup>th</sup> 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  
33<sup>rd</sup> 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, 4<sup>th</sup> 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 Substances: 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  
Cold Spring Harbor Course on Cellular Biology of Addiction, Cold Spring Harbor, NY  
Brown University, Neuroscience Seminar Series, Providence, RI

**Robert C. Malenka, M.D., Ph.D.**

**Invited Talks and Presentations: National (cont.)**

**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 California, 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  
Gladstone Institute of Neurological Sciences, Seminar Series, U.C.S.F., San Francisco, CA

**Robert C. Malenka, M.D., Ph.D.**

**Invited Talks and Presentations: National (cont.)**

Committee on Neurobiology Seminar Series, University of Chicago, Chicago, IL  
Neuroscience Seminar Series, Baylor College of Medicine, Houston, TX  
Keynote Lecture, Brain Research Foundation 10<sup>th</sup> 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.

**2011**

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 Angeles, 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 Neuropsychopharmacology, 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.

**Robert C. Malenka, M.D., Ph.D.**

**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, 83<sup>rd</sup> 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, 40<sup>th</sup> 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, 16<sup>th</sup> Annual NIH Pain Consortium, Symposium, Bethesda, MD.

**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.)

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### Grant Support (cont.)

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)
12/17-11/22	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

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### University and Public Service (cont.)

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 Psychiatry
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-present	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, Langelly 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
2013-present	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

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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-present	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.
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.

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### Postdoctoral Fellows (cont.)

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.
2014-2021	Jessica Walsh, Ph.D.
2014-2017	Medhi Bhourri, Ph.D.
2015-2021	Peter Neumann, Ph.D.
2015-2020	Paul Hoerbelt, Ph.D.
2015-present	Xiaoting Wu, Ph.D.
2015-2019	Hemmings Wu, M.D.
2016-2017	Sarah Baghat, Ph.D.
2016-present	Felicity Gore, Ph.D.
2017-present	Rui Lu, Ph.D.
2017-2021	Monique Smith, Ph.D.
2018-present	Anna Klawonn, Ph.D.
2018-2021	Nao Asada, Ph.D.
2018-2021	Brandon Bentzley, M.D., Ph.D.
2018-present	Neir Eshel, M.D., Ph.D.



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### Postdoctoral Fellows (cont.)

2018-present Jason Tucciarone, M.D.,Ph.D.  
2019-present Matthew Pomrenze, Ph.D.  
2021-present Benjamin Rein, 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

### Service to Professional Publications

#### Editorial Boards

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

#### Ad Hoc Referee (selected)

Cell  
Science  
Nature  
Nature Neuroscience  
Neuron  
Proc. Natl. Acad. Sci. U.S.A.  
Journal of Physiology

## Robert C. Malenka, M.D., Ph.D.

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-present	Scientific Advisory Board, Cure Alzheimer's Fund.
2012-2015	Council, American College of Neuropsychopharmacology
2012-present	Scientific Advisory Board, One Mind for Research
2013-present	Scientific Adviser, Neurocampus, Bordeaux, France
2016-2020	Wellcome Trust Review Committee, London, UK
2019-present	Foundation for OCD Research, Chief Scientific Advisor

### 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-present	Cognitive Therapeutics, Inc.
2012-2018	Circuit Therapeutics, Inc. (co-founder)
2018-present	Aelis Farma
2018-present	Cerevance, Inc.
2019-present	MapLight Therapeutics (co-founder)
2020-present	Cyclerion
2021-present	MindMed

### 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