

Fred H. Gage, Ph.D.
Adler Professor

ADDRESS

The Salk Institute
Laboratory of Genetics
10010 N. Torrey Pines Rd.
La Jolla, CA 92037
Ph: 858-453-4100 x1012
Fax: 858-597-0824
Email: gage@salk.edu

EDUCATION

1972 B.S. - University of Florida, Gainesville, FL
1975 M.S. - Johns Hopkins University, Baltimore, MD
1976 Ph.D. - Johns Hopkins University, Baltimore, MD

RESEARCH AND PROFESSIONAL EXPERIENCE

9/74-6/76 NIMH Predoctoral Fellow, The Johns Hopkins University
9/76-6/80 Assistant/Associate Professor, Texas Christian University
6/81-6/85 Associate Professor, Dept. of Histology, University of Lund, Lund, Sweden
6/85-6/88 Associate Professor, Dept. of Neurosciences, University of California, San Diego
6/88- Professor, Dept. of Neurosciences, University of California, San Diego
6/95- Professor, Laboratory of Genetics, The Salk Institute for Biological Studies, La Jolla, CA

ACADEMIC ACTIVITIES

National and International Committees Member of the Wakeman Award Committee (1986-1992)
Member of the Sid Golding Research Committee (1988-1995)
Member of the Committee on Social Issues: Society for Neuroscience (1988-1990)
Organizing Committee for International Neural Grafting Meetings (1988-present)
Bristol-Myers-Squibb Achievement in Neurosciences Award Committee (1987-1993)
Core Committee Member - "Frontiers in the Neurosciences", Office of Technological Assessment, U.S. Congress (1988-1992)
Scientific Advisory Board - Alzheimer Disease and Related Disorders Association (1988-1992)
Scientific Advisory Board - American Paralysis Association (1988-1999)
Scientific Advisory Board - Hereditary Disease Foundation (1992-2000)
Chairperson of the Public Information Committee of the Society for Neuroscience (1993)
Scientific Advisory Board - Encyclopedia of Neuroscience (1993)
Council Member - Society of Neuroscience (1994-1998)
Committee Member for the National Academy of Sciences - Effects of Electromagnetic Fields on Biologic Systems (1993-1996)
Gene Vector Laboratory - Steering Committee (1995-1996)
National Advisory Council on Aging of the National Institutes of Health (1998-2001)
NIH Working Group on Guidelines for Use of Human ES Cells (1999)
Advisory Board of the American Society of Gene Therapy (1999-2002)
Chair, Scientific Advisory Board - Christopher Reeve Paralysis Foundation (1995-1999)
Ameritec Foundation Prize Technical Advisory Committee (1999-2001)
President Elect - Society for Neuroscience (2000-2001)
Irvine-Reeve Research Center Steering Committee (2000-2004)
President, Society for Neuroscience, (2001-2002)
Scientific Advisory Board - Center for ALS Research at Johns Hopkins (2002)
Executive Committee of the Dana Alliance for Brain Initiatives (2002)
International Board of the Michael J. Fox Foundation (2002)
Scientific Advisory Board - The Center for ALS Research (2002)
Scientific Advisory Board - Alliance for Aging Research (2002-2003)

Scientific Advisory Board - Keystone Symposia (2002-2003)
Scientific Advisory Board – OLS Neurobiology Research Group (2003)
Award Advisory Board – The Peter Gruber Foundation (2003-2005)
Scientific Advisory Board – National University of Singapore (2003-2006)
Scientific Advisory Board – Zilkha Neurogenetic Institute (2003)
Chair-Elect of the Section on Neuroscience, AAAS (2004)
Scientific Advisory Board – California Department of Health Services (2005-2006)
Scientific Advisory Board - NAS: Beckman Center (2007-2010)
Scientific Advisory Board – NARSD (2009-)
Scientific Advisory Board – ISSCR (2009-)
President – ISSCR (2011-2012)
Scientific Advisory Board – Ontario Brain Institute (2011-)
Executive Committee for the SAB for Report Back to the Public (2014-)

*Editorial
Boards*

Journal of Chemical Neuroanatomy (Wiley and Sons) 1988-present
Comments on Develop. Neurobiol. (Gordon & Breech) 1987-95
Experimental Neurology (Academic Press) 1988-1998
Journal of Neuroscience (Oxford Press) 1989-1995; 1998-2004
Brain Research Bulletin (Pergamon Press) 1988-2002
Neural Plasticity (Freund Press) 1989-present
Neurobiology of Aging (Pergamon Press) 1988-present
Hippocampus (Livingston Press) 1990-present
Research and Perspectives in Alzheimer's Disease (Foundation IPSEN) 1988-present
Neuroreport (Rapid Communications of Oxford Ltd.) 1989-1994
Neurodegeneration (Academic Press) 1991-present
Journal of Neuroscience Methods, 1991-2005
Synapse, 1991-2004
Behavioral and Neural Biology (Academic Press) 1992-present
Journal of Clinical Investigation (Rockefeller University Press) 1993-2004
Gene Therapy (Stockton Press Ltd.) 1993-2003
Brain Research (Elsevier Press) 1994-present
Neuroscience (IBRO) 1994-2006
Journal of Comparative Neurology, 1995-present
Neuropeptide (Churchill Livingstone) 1997-present
Journal of Neurobiology, 1996-present
Journal of Molecular Neuroscience, 1999
Molecular Therapy, 1999-present
Molecular Medicine Today, 1999-2001
Journal of Neuroscience Research, 1999-present
Current Drug Targets, CNS and Neurological Disorders, 2000
NeuroMolecular Medicine, 2001-present
Trends in Molecular Medicine, 2001-present
Cloning and Stem Cells, 2002-present
Associate Editor, Neuroscience Letters (Elsevier), 2003-2008
Proceedings of the National Academy of Sciences, 2005-present
Cell Stem Cell, 2007-present
Genes and Development, 2009
EMBO Molecular Medicine, 2009
Neurogenesis, 2013- present
Brain Plasticity, 2013- present
Neurobiology of Learning and Memory 2014 – present

*Awards,
Fellowships,
Honors*

NIMH Predoctoral Fellowship, 1974-76
NIH Postdoctoral Fellowship (Awarded), 1976
Fogarty International Fellowship (NSF) 1980
Visiting Professorship, University of Lund, 1981

McKnight Foundation Development Award, 1987
 PEW Foundation Neuroscience's Program Award (co-recipient), 1986
 Bristol-Myers Squibb Neuroscience Research Award, 1987
 Grass Lecturer for Society for Neuroscience's, 1988, 1989, 1990, 1995
 IPSEN Prize in Neuronal Plasticity, 1990
 Ameritec Award, 1992
 Metropolitan Life Award, 1993
 National Institute of Health MERIT award, 1993
 Decade of the Brain Medalist, Congress of Neurosurgeons, 1993
 Allied Signal Award for Research in Aging, 1993
 Charles A. Dana Award for Pioneering Achievement in Health and Education, 1993
 The Chancellor's Associate Award, UCSD, 1994
 Grass Traveling Scientist Award, 1995
 Fellow AAAS, 1996
 Burroughs Wellcome Visiting Professorship, 1997
 The Christopher Reeve's Second Annual Medal Award, 1997
 Third Annual Jus Award, 1997
 The Ernst Freese Memorial Lecture, NINDS, 1997
 Combined Health Agencies 1999 Health Hero Award, San Diego
 The Mathilde Solowey Lecture Award in Neuroscience's, NIH, 1999
 The Robert J. and Claire Pasarow Foundation Award, 1999
 Max Planck Research Award, 1999
 The Flynn Lecture, Yale, 1999
 The Theobald Smith Lectureship Award, Albany, 2001
 The Florence Mahoney Lecture, NIH, 2001
 The Pinckney Harmon (Cajal Society) Lecture, 2001
 The Murray Barr Lecture Award, Western Ontario, 2001
 Society of Neurological Surgeons, Bass Award, 2001
 Vi and John Adler Professor on Age-related Neurodegenerative Diseases, 2001
 Member, Institute of Medicine of the National Academy of Sciences, 2001
 MetLife Award for Medical Research, 2002
 Member, National Academy of Sciences, 2003
 Klaus Joachim Zulch-Preis through the Max Planck Society, 2003
 Member, American Academy of Arts and Sciences, 2005
 Gregory Pincus Award, shared with Alejandro Zaffaroni, 2005
 Honorary Doctorate from Colby College, Waterville Maine, 2005
 Keio Medical Science Prize Award, shared with Shimon Sakaguchi, 2008
 Member, American Philosophical Society, 2010
 Santiago Grisolia Chair Prize, shared with Mario Capecchi, 2011
 Member of the Royal Swedish Academy of Sciences, 2011
 Foundation FYSSSEN International Prize, 2011
 Visiting Professor at the College de France, 2012
 Honorary Doctorate of Medicine, Lund University, Sweden, 2011
 Einstein Visiting Professorship from the Chinese Academy of Science, 2012
 George A Miller Award from the Cognitive Sciences Society, 2013
 Honorary Doctorate, Maastricht University, Netherlands, 2013
 Member of the National Academy of Inventors, 2013

Administrative Duties Vice Chair, Department of Neuroscience, UCSD (1993)
 Chair, Animals Investigator's Advisory Committee, Univ. of California, San Diego (1990-1993)
 Graduate Council, University of California, San Diego (1991-1993)
 Co-director of Laboratory of Genetics at The Salk Institute (1995-)
 Academic Council - The Salk Institute (1996-1999)
 Chair, Animal Facility Committee at the Salk Institute (1995-)
 Chair, Academic Council at the Salk Institute (1998)
 President, Society for Neuroscience (2002)

Chair Section V, Neuroscience, AAAS (2004)
 Chair, Board of Health Science Policy, IOM (2005-8)
 Chair- Academic Council at the Salk Institute (2005/2006)
 Chair, NAS Section 28 (Systems Neuroscience) NAS (2007-2009)
 Chair of Appointment Committee - The Salk Institute (2010-)
 Member, Institute of Engineering in Medicine ORU (2008-)
 Picower Advisory Council (2008-2009)
 President of the International Society for Stem Cell Research (2011-2012)
 Advisory committee for the Sanford Consortium for Regenerative Medicine (2012-)
 Co-Director of the Kavli Institute for Brain and Mind (2015-)

PUBLICATIONS

758	Sarkar, A., M. C. Marchetto, and F. H. Gage . "Synaptic Activity: An Emerging Player in Schizophrenia." <i>Brain Res</i> (Dec 23 2015).
757	Harrison, B. J., G. Venkat, T. Hutson, K. K. Rau, M. B. Bunge, L. M. Mendell, F. H. Gage , R. D. Johnson, C. Hill, E. C. Rouchka, L. Moon, and J. C. Petruska. "Transcriptional Changes in Sensory Ganglia Associated with Primary Afferent Axon Collateral Sprouting in Spared Dermatome Model." <i>Genom Data</i> 6 (Dec 2015): 249-52.
756	Duricki, D. A., T. H. Hutson, C. Kathe, S. Soleman, D. Gonzalez-Carter, J. C. Petruska, H. D. Shine, Q. Chen, T. C. Wood, M. Bernanos, D. Cash, S. C. Williams, F. H. Gage , and L. D. Moon. "Delayed Intramuscular Human Neurotrophin-3 Improves Recovery in Adult and Elderly Rats after Stroke." <i>Brain</i> (Nov 27 2015).
755	Brennand, K. J., M. C. Marchetto, N. Benvenisty, O. Brustle, A. Ebert, J. C. Izpisua Belmonte, A. Kaykas, M. A. Lancaster, F. J. Livesey, M. J. McConnell, R. D. McKay, E. M. Morrow, A. R. Muotri, D. M. Panchision, L. L. Rubin, A. Sawa, F. Soldner, H. Song, L. Studer, S. Temple, F. M. Vaccarino, J. Wu, P. Vanderhaeghen, F. H. Gage , and R. Jaenisch. "Creating Patient-Specific Neural Cells for the in Vitro Study of Brain Disorders." <i>Stem Cell Reports</i> (Nov 20 2015).
754	Johnston, S. T., M. Shtrahman, S. Parylak, J. T. Goncalves, and F. H. Gage . "Paradox of Pattern Separation and Adult Neurogenesis: A Dual Role for New Neurons Balancing Memory Resolution and Robustness." <i>Neurobiol Learn Mem</i> (Nov 6 2015)
753	Kim, H. J., A. M. Denli, R. Wright, T. D. Baul, G. D. Clemenson, A. S. Morcos, C. Zhao, S. T. Schafer, F. H. Gage , and M. N. Kagalwala. "Rest Regulates Non-Cell-Autonomous Neuronal Differentiation and Maturation of Neural Progenitor Cells Via Secretogranin Ii." <i>J Neurosci</i> 35, no. 44 (Nov 4 2015): 14872-84.
752	Mertens, J., Q. W. Wang, Y. Kim, D. X. Yu, S. Pham, B. Yang, Y. Zheng, K. E. Diffenderfer, J. Zhang, S. Soltani, T. Eames, S. T. Schafer, L. Boyer, M. C. Marchetto, J. I. Nurnberger, J. R. Calabrese, K. J. Odegaard, M. J. McCarthy, P. P. Zandi, M. Alba, C. M. Nievergelt, S. Mi, K. J. Brennand, J. R. Kelsoe, F. H. Gage , and J. Yao. "Differential Responses to Lithium in Hyperexcitable Neurons from Patients with Bipolar Disorder." <i>Nature</i> 527, no. 7576 (Nov 5 2015): 95-9.
751	Vadodaria, K. C., J. Mertens, A. Paquola, C. Bardy, X. Li, R. Jappelli, L. Fung, M. C. Marchetto, M. Hamm, M. Gorris, P. Koch, and F. H. Gage . "Generation of Functional Human Serotonergic Neurons from Fibroblasts." <i>Mol Psychiatry</i> (Oct 27 2015)
750	Denli, A. M., I. Narvaiza, B. E. Kerman, M. Pena, C. Benner, M. C. Marchetto, J. K. Diedrich, A. Aslanian, J. Ma, J. J. Moresco, L. Moore, T. Hunter, A. Saghatelian, and F. H. Gage . "Primate-Specific Orf0 Contributes to Retrotransposon-Mediated Diversity." <i>Cell</i> 163, no. 3 (Oct 22 2015): 583-93.
749	Mu, Y., C. Zhao, N. Toni, J. Yao, and F. H. Gage . "Distinct Roles of Nmda Receptors at Different Stages of Granule Cell Development in the Adult Brain." <i>Elife</i> 4 (2015)
748	Mertens, J., A. C. Paquola, M. Ku, E. Hatch, L. Bohnke, S. Ladjevardi, S. McGrath, B. Campbell, H. Lee, J. R. Herdy, J. T. Goncalves, T. Toda, Y. Kim, J. Winkler, J. Yao, M. W. Hetzer, and F. H. Gage . "Directly Reprogrammed Human Neurons Retain Aging-Associated Transcriptomic Signatures and Reveal Age-Related Nucleocytoplasmic Defects." <i>Cell Stem Cell</i> (2015).
747	Tashiro, A., C. Zhao, H. Suh and F. H. Gage . "Preparation and Use of Retroviral Vectors for Labeling, Imaging, and Genetically Manipulating Cells." <i>Cold Spring Harb Protoc</i> 2015, no. 10 (2015)
746	Tashiro, A., C. Zhao, H. Suh and F. H. Gage . "Analysis of Spine Motility of Newborn Granule Cells in Acute Brain Slices." <i>Cold Spring Harb Protoc</i> 2015, no. 10 (2015)

745	Tashiro, A., C. Zhao, H. Suh and F. H. Gage . "Imaging Newborn Granule Cells in Fixed Sections." <i>Cold Spring Harb Protoc</i> 2015, no. 10 (2015)
744	Tashiro, A., C. Zhao, H. Suh and F. H. Gage . "Purification and Injection of Retroviral Vectors." <i>Cold Spring Harb Protoc</i> 2015, no. 10 (2015)
743	Prescott, S. L., R. Srinivasan, M. C. Marchetto, I. Grishina, I. Narvaiza, L. Sella, F. H. Gage , T. Swigut and J. Wysocka. "Enhancer Divergence and Cis-Regulatory Evolution in the Human and Chimp Neural Crest." <i>Cell</i> , (2015).
742	Kempermann, G., H. Song and F. H. Gage . "Neurogenesis in the Adult Hippocampus." <i>Cold Spring Harb Perspect Biol</i> 7, no. 9 (2015).
741	Jovicic, A., J. Mertens, S. Boeynaems, E. Bogaert, N. Chai, S. B. Yamada, J. W. Paul, 3rd, S. Sun, J. R. Herdy, G. Bieri, N. J. Kramer, F. H. Gage , L. Van Den Bosch, W. Robberecht and A. D. Gitler. "Modifiers of C9orf72 Dipeptide Repeat Toxicity Connect Nucleocytoplasmic Transport Defects to Ftd/Als." <i>Nat Neurosci</i> 18, no. 9 (2015): 1226-1229.
740	Firth, A. L., T. Menon, G. S. Parker, S. J. Qualls, B. M. Lewis, E. Ke, C. T. Dargitz, R. Wright, A. Khanna, F. H. Gage and I. M. Verma. "Functional Gene Correction for Cystic Fibrosis in Lung Epithelial Cells Generated from Patient Ipscs." <i>Cell Rep</i> , (2015).
739	Han, J., A. Sarkar and F. H. Gage . "Mir137: Big Impacts from Small Changes." <i>Nat Neurosci</i> 18, no. 7 (2015): 931-3.
738	Kerman, B. E., H. J. Kim, K. Padmanabhan, A. Mei, S. Georges, M. S. Joens, J. A. Fitzpatrick, R. Jappelli, K. J. Chandross, P. August and F. H. Gage . "In Vitro Myelin Formation Using Embryonic Stem Cells." <i>Development</i> , (2015).
737	Schafer, S. T., J. Han, M. Pena, O. von Bohlen Und Halbach, J. Peters, and F.H. Gage . "The Wnt Adaptor Protein Atp6ap2 Regulates Multiple Stages of Adult Hippocampal Neurogenesis." <i>J Neurosci</i> 35, no. 12 (2015): 4983-98.
736	Pei, L., Y. Mu, M. Leblanc, W. Alaynick, G. D. Barish, M. Pankratz, T. W. Tseng, S. Kaufman, C. Liddle, R. T. Yu, M. Downes, S. L. Pfaff, J. Auwerx, F. H. Gage and R. M. Evans. "Dependence of Hippocampal Function on Errgamma-Regulated Mitochondrial Metabolism." <i>Cell Metab</i> 21, no. 4 (2015): 628-36.
735	Deng, W. and F. H. Gage . "The Effect of Immature Adult-Born Dentate Granule Cells on Hyponeophagial Behavior Is Related to Their Roles in Learning and Memory." <i>Front Syst Neurosci</i> 9, (2015): 34.
734	Bardy, C., M. van den Hurk, T. Eames, C. Marchand, R. V. Hernandez, M. Kellogg, M. Gorris, B. Galet, V. Palomares, J. Brown, A. G. Bang, J. Mertens, L. Bohnke, L. Boyer, S. Simon and F. H. Gage . "Neuronal Medium That Supports Basic Synaptic Functions and Activity of Human Neurons in Vitro." <i>Proc Natl Acad Sci U S A</i> , (2015).
733	Amador-Arjona, A., F. Cimadamore, C. T. Huang, R. Wright, S. Lewis, F. H. Gage and A. V. Tersikh. "Sox2 Primes the Epigenetic Landscape in Neural Precursors Enabling Proper Gene Activation During Hippocampal Neurogenesis." <i>Proc Natl Acad Sci U S A</i> 112, no. 15 (2015): E1936-45.
732	Adamowicz, D. H., J. Mertens and F. H. Gage . "Alzheimer's Disease: Distinct Stages in Neurogenic Decline?" <i>Biol Psychiatry</i> 77, no. 8 (2015): 680-2.
731	Clemenson, G. D., S. W. Lee, W. Deng, V. R. Barrera, K. S. Iwamoto, M. S. Fanselow and F. H. Gage . "Enrichment Rescues Contextual Discrimination Deficit Associated with Immediate Shock." <i>Hippocampus</i> 25, no. 3 (2015): 385-92
730	Aimone, J. B., Y. Li, S. W. Lee, G. D. Clemenson, W. Deng and F. H. Gage . "Regulation and Function of Adult Neurogenesis: From Genes to Cognition." <i>Physiol Rev</i> 94, no. 4 (2014): 991-1026.
729	Pankevich, D. E., B. M. Altevogt, J. Dunlop, F. H. Gage and S. E. Hyman. "Improving and Accelerating Drug Development for Nervous System Disorders." <i>Neuron</i> 84, no. 3 (2014): 546-553.
728	Crotti, A., C. Benner, B. E. Kerman, D. Gosselin, C. Lagier-Tourenne, C. Zuccato, E. Cattaneo, F. H. Gage , D. W. Cleveland and C. K. Glass. "Mutant Huntingtin Promotes Autonomous Microglia Activation Via Myeloid Lineage-Determining Factors." <i>Nat Neurosci</i> 17, no. 4 (2014): 513-21.

727	Hook, V., K. J. Brennand, Y. Kim, T. Toneff, L. Funkelstein, K. C. Lee, M. Ziegler and F. H. Gage . "Human iPSC Neurons Display Activity-Dependent Neurotransmitter Secretion: Aberrant Catecholamine Levels in Schizophrenia Neurons." <i>Stem Cell Reports</i> 3, no. 4 (2014): 531-8.
726	Yu, D. X., M. C. Marchetto and F. H. Gage . "How to Make a Hippocampal Dentate Gyrus Granule Neuron." <i>Development</i> 141, no. 12 (2014): 2366-75.
725	Winner, B., M. C. Marchetto, J. Winkler and F. H. Gage . "Human-Induced Pluripotent Stem Cells Pave the Road for a Better Understanding of Motor Neuron Disease." <i>Hum Mol Genet</i> 23, no. R1 (2014): R27-34.
724	Stein, J. L., L. de la Torre-Ubieta, Y. Tian, N. N. Parikshak, I. A. Hernandez, M. C. Marchetto, D. K. Baker, D. Lu, C. R. Hinman, J. K. Lowe, E. M. Wexler, A. R. Muotri, F. H. Gage , K. S. Kosik and D. H. Geschwind. "A Quantitative Framework to Evaluate Modeling of Cortical Development by Neural Stem Cells." <i>Neuron</i> 83, no. 1 (2014): 69-86.
723	Marchetto, M. C. and F. H. Gage . "Your Brain under the Microscope: The Promise of Stem Cells." <i>Cerebrum</i> 2014, (2014): 1.
722	Krzisch, M., S. G. Temprana, L. A. Mongiat, J. Armida, V. Schmutz, M. A. Virtanen, J. Kocher-Braissant, R. Kraftsik, L. Vutskits, K. K. Conzelmann, M. Bergami, F. H. Gage , A. F. Schinder and N. Toni. "Pre-Existing Astrocytes Form Functional Perisynaptic Processes on Neurons Generated in the Adult Hippocampus." <i>Brain Struct Funct</i> , (2014).
721	Kim, S. H., J. W. Steele, S. W. Lee, G. D. Clemenson, T. A. Carter, K. Treuner, R. Gadiant, P. Wedel, C. Glabe, C. Barlow, M. E. Ehrlich, F. H. Gage and S. Gandy. "Proneurogenic Group Ii Mglur Antagonist Improves Learning and Reduces Anxiety in Alzheimer Abeta Oligomer Mouse." <i>Mol Psychiatry</i> 19, no. 11 (2014): 1235-42.
720	Jessberger, S. and F. H. Gage . "Adult Neurogenesis: Bridging the Gap between Mice and Humans." <i>Trends Cell Biol</i> 24, no. 10 (2014): 558-63.
719	Hashimoto-Torii, K., M. Torii, M. Fujimoto, A. Nakai, R. El Fatimy, V. Mezger, M. J. Ju, S. Ishii, S. H. Chao, K. J. Brennand, F. H. Gage and P. Rakic. "Roles of Heat Shock Factor 1 in Neuronal Response to Fetal Environmental Risks and Its Relevance to Brain Disorders." <i>Neuron</i> 82, no. 3 (2014): 560-72.
718	Firth, A. L., C. T. Dargitz, S. J. Qualls, T. Menon, R. Wright, O. Singer, F. H. Gage , A. Khanna and I. M. Verma. "Generation of Multiciliated Cells in Functional Airway Epithelia from Human Induced Pluripotent Stem Cells." <i>Proc Natl Acad Sci U S A</i> 111, no. 17 (2014): E1723-30.
717	Brennand, K., J. N. Savas, Y. Kim, N. Tran, A. Simone, K. Hashimoto-Torii, K. G. Beaumont, H. J. Kim, A. Topol, I. Ladrán, M. Abdelrahim, B. Matikainen-Ankney, S. H. Chao, M. Mrksich, P. Rakic, G. Fang, B. Zhang, J. R. Yates, 3rd and F. H. Gage . "Phenotypic Differences in Hpsc Npcs Derived from Patients with Schizophrenia." <i>Mol Psychiatry</i> , (2014).
716	Bekinschtein, P., B. A. Kent, C. A. Oomen, G. D. Clemenson, F. H. Gage , L. M. Saksida and T. J. Bussey. "Brain-Derived Neurotrophic Factor Interacts with Adult-Born Immature Cells in the Dentate Gyrus During Consolidation of Overlapping Memories." <i>Hippocampus</i> 24, no. 8 (2014): 905-11.
715	Erwin, J. A., M. C. Marchetto and F. H. Gage . "Mobile DNA Elements in the Generation of Diversity and Complexity in the Brain." <i>Nat Rev Neurosci</i> 15, no. 8 (2014): 497-506.
714	Pao, G. M., Q. Zhu, C. G. Perez-Garcia, S. J. Chou, H. Suh, F. H. Gage , D. D. O'Leary and I. M. Verma. "Role of Brcal in Brain Development." <i>Proc Natl Acad Sci U S A</i> 111, no. 13 (2014): E1240-8.
713	Rockenstein, E., S. Nuber, C. R. Overk, K. Ubhi, M. Mante, C. Patrick, A. Adame, M. Trejo-Morales, J. Gerez, P. Picotti, P. H. Jensen, S. Campioni, R. Riek, J. Winkler, F. H. Gage , B. Winner and E. Masliah. "Accumulation of Oligomer-Prone Alpha-Synuclein Exacerbates Synaptic and Neuronal Degeneration in Vivo." <i>Brain</i> 137, no. Pt 5 (2014): 1496-513.
712	Yu, D. X., F. P. Di Giorgio, J. Yao, M. C. Marchetto, K. Brennand, R. Wright, A. Mei, L. McHenry, D. Lisuk, J. M. Grasmick, P. Silberman, G. Silberman, R. Jappelli and F. H. Gage . "Modeling Hippocampal Neurogenesis Using Human Pluripotent Stem Cells." <i>Stem Cell Reports</i> 2, no. 3 (2014): 295-310.
711	Zhao, C., J. Jou, L. J. Wolff, H. Sun and F. H. Gage . "Spine Morphogenesis in Newborn Granule Cells Is

	Differentially Regulated in the Outer and Middle Molecular Layers." <i>J Comp Neurol</i> 522, no. 12 (2014): 2756-66.
710	Vadodaria, K. C., and F. H. Gage . "SnapShot: Adult Hippocampal Neurogenesis." <i>Cell</i> 156, no. 5, (2014): 1114-4.
709	Rangel, L. M., A. S. Alexander, J. B. Aimone, J. Wiles, F. H. Gage , A. A. Chiba and L. K. Quinn. "Temporally Selective Contextual Encoding in the Dentate Gyrus of the Hippocampus." <i>Nat Commun</i> 5, (2014): 3181.
708	Lacar, B., S. L. Parylak, K. C. Vadodaria, A. Sarkar and F. H. Gage . "Increasing the Resolution of the Adult Neurogenesis Picture." <i>F1000Prime Rep</i> 6, (2014): 8.
707	Wright, R., J. M. Rethelyi and F. H. Gage . "Enhancing Induced Pluripotent Stem Cell Models of Schizophrenia." <i>JAMA Psychiatry</i> 71, no. 3 (2014): 334-5.
706	Havlicek, S., Z. Kohl, H. K. Mishra, I. Prots, E. Eberhardt, N. Denguir, H. Wend, S. Plotz, L. Boyer, M. C. Marchetto, S. Aigner, H. Sticht, T. W. Groemer, U. Hehr, A. Lampert, U. Schlotzer-Schrehardt, J. Winkler, F. H. Gage and B. Winner. "Gene Dosage-Dependent Rescue of Hsp Neurite Defects in Spg4 Patients' Neurons." <i>Hum Mol Genet</i> 23, no. 10 (2014): 2527-41.
705	Parylak, S. L., W. Deng, and F. H. Gage . Mother's milk programs offspring's cognition. <i>Nat Neurosci</i> 17, no. 1(2014): 8-9.
704	Hrvoj-Mihic, B., M. C. Marchetto, F. H. Gage , K. Semendeferi and A. R. Muotri. "Novel Tools, Classic Techniques: Evolutionary Studies Using Primate Pluripotent Stem Cells." <i>Biol Psychiatry</i> 75, no. 12 (2014): 929-35.
703	Yu, D. X., M. C. Marchetto and F. H. Gage. "Therapeutic Translation of Ipscs for Treating Neurological Disease." <i>Cell Stem Cell</i> 12, no. 6 (2013): 678-88.
702	Gage, F. H. and S. Temple. "Neural Stem Cells: Generating and Regenerating the Brain." <i>Neuron</i> 80, no. 3 (2013): 588-601.
701	Grindberg, R. V., J. L. Yee-Greenbaum, M. J. McConnell, M. Novotny, A. L. O'Shaughnessy, G. M. Lambert, M. J. Arauzo-Bravo, J. Lee, M. Fishman, G. E. Robbins, X. Lin, P. Venepally, J. H. Badger, D. W. Galbraith, F. H. Gage and R.S. Lasken. "Rna-Sequencing from Single Nuclei." <i>Proc Natl Acad Sci U S A</i> 110, no. 49 (2013): 19802-7.
700	Reilly, M. T., G. J. Faulkner, J. Dubnau, I. Ponomarev and F. H. Gage . "The Role of Transposable Elements in Health and Diseases of the Central Nervous System." <i>J Neurosci</i> 33, no. 45 (2013): 17577-86.
699	McConnell, M. J., M. R. Lindberg, K. J. Brennand, J. C. Piper, T. Voet, C. Cowing-Zitron, S. Shumilina, R. S. Lasken, J. R. Vermeesch, I. M. Hall and F. H. Gage . "Mosaic Copy Number Variation in Human Neurons." <i>Science</i> 342, no. 6158 (2013): 632-7.
698	Marchetto, M. C., I. Narvaiza, A. M. Denli, C. Benner, T. A. Lazzarini, J. L. Nathanson, A. C. Paquola, K. N. Desai, R. H. Herai, M. D. Weitzman, G. W. Yeo, A. R. Muotri and F. H. Gage . "Differential L1 Regulation in Pluripotent Stem Cells of Humans and Apes." <i>Nature</i> 503, no. 7477 (2013): 525-9.
697	Bekinschtein, P., B. A. Kent, C. A. Oomen, G. D. Clemenson, F. H. Gage , L. M. Saksida and T. J. Bussey. "Bdnf in the Dentate Gyrus Is Required for Consolidation of "Pattern-Separated" Memories." <i>Cell Rep</i> 5, no. 3 (2013): 759-68.
696	Sung, T. C., Z. Chen, S. Thuret, M. Vilar, F. H. Gage , R. Riek and K. F. Lee. "P45 Forms a Complex with Fadd and Promotes Neuronal Cell Survival Following Spinal Cord Injury." <i>PLoS One</i> 8, no. 7 (2013): e69286.
695	Miller, J. A., J. Nathanson, D. Franjic, S. Shim, R. A. Dalley, S. Shapouri, K. A. Smith, S. M. Sunkin, A. Bernard, J. L. Bennett, C. K. Lee, M. J. Hawrylycz, A. R. Jones, D. G. Amaral, N. Sestan, F. H. Gage and E. S. Lein. "Conserved Molecular Signatures of Neurogenesis in the Hippocampal Subgranular Zone of Rodents and Primates." <i>Development</i> 140, no. 22 (2013): 4633-44.
694	Rangel, L. M., L. K. Quinn, A. A. Chiba, F. H. Gage and J. B. Aimone. "A Hypothesis for Temporal Coding of Young and Mature Granule Cells." <i>Frontiers in neuroscience</i> 7, (2013): 75.
693	Egawa N, Kitaoka S, Tsukita K, Naitoh M, Takahashi K, Yamamoto T, Adachi F, Kondo T, Okita K, Asaka I, Aoi T, Watanabe A, Yamada Y, Morizane A, Takahashi J, Ayaki T, Ito H, Yoshikawa K, Yamawaki S, Suzuki S, Watanabe D, Hioki H, Kaneko T, Makioka K, Okamoto K, Takuma H, Tamaoka A, Hasegawa K, Nonaka T, Hasegawa M, Kawata A, Yoshida M, Nakahata T, Takahashi R, Marchetto MC, Gage FH , Yamanaka S, Inoue H. Response to comment on "Drug screening for ALS using patient-specific induced pluripotent stem cells". <i>Sci Transl Med.</i> 2013;5(188):188lr2.
692	Tang X, Zhou L, Wagner AM, Marchetto MC, Muotri AR, Gage FH , Chen G. "Astroglial cells regulate the developmental timeline of human neurons differentiated from induced pluripotent stem cells." <i>Stem Cell Res.</i> 2013;

	11(2):743-57.
691	Vilchez, D., L. Boyer, M. Lutz, C. Merkwirth, I. Morantte, C. Tse, B. Spencer, L. Page, E. Masliah, W. T. Berggren, F. H. Gage and A. Dillin. "FOXo4 Is Necessary for Neural Differentiation of Human Embryonic Stem Cells." <i>Aging Cell</i> 12, no. 3 (2013): 518-22.
690	Li, Y., F. J. Stam, J. B. Aimone, M. Goulding, E. M. Callaway and F. H. Gage . "Molecular Layer Perforant Path-Associated Cells Contribute to Feed-Forward Inhibition in the Adult Dentate Gyrus." <i>Proceedings of the National Academy of Sciences of the United States of America</i> 110, no. 22 (2013): 9106-11.
689	Herzog, C. D., L. Brown, B. R. Kruegel, A. Wilson, M. G. Tansey, F. H. Gage , E. M. Johnson, Jr. and R. T. Bartus. "Enhanced Neurotrophic Distribution, Cell Signaling and Neuroprotection Following Substantia Nigral Versus Striatal Delivery of Aav2-NrtN (Cere-120)." <i>Neurobiology of Disease</i> 58C, (2013): 38-48.
688	Deng, W., M. Mayford and F. H. Gage . "Selection of Distinct Populations of Dentate Granule Cells in Response to Inputs as a Mechanism for Pattern Separation in Mice." <i>Elife</i> 2, (2013): e00312.
687	Wang, X., Y. Zhao, X. Zhang, H. Badie, Y. Zhou, Y. Mu, L. S. Loo, L. Cai, R. C. Thompson, B. Yang, Y. Chen, P. F. Johnson, C. Wu, G. Bu, W. C. Mobley, D. Zhang, F. H. Gage , B. Ranscht, Y. W. Zhang, S. A. Lipton, W. Hong and H. Xu. "Loss of Sorting Nexin 27 Contributes to Excitatory Synaptic Dysfunction by Modulating Glutamate Receptor Recycling in Down's Syndrome." <i>Nature medicine</i> 19, no. 4 (2013): 473-80.
686	Liang, Y., T. M. Franks, M. C. Marchetto, F. H. Gage and M. W. Hetzer. "Dynamic Association of Nup98 with the Human Genome." <i>PLoS Genet</i> 9, no. 2 (2013): e1003308.
685	Shimozaki, K., G. D. Clemenson, Jr. and F. H. Gage . "Paired Related Homeobox Protein 1 Is a Regulator of Stemness in Adult Neural Stem/Progenitor Cells." <i>J Neurosci</i> 33, no. 9 (2013): 4066-75.
684	Kurian, L., I. Sancho-Martinez, E. Nivet, A. Aguirre, K. Moon, C. Pendaries, C. Volle-Challier, F. Bono, J. M. Herbert, J. Pulecio, Y. Xia, M. Li, N. Montserrat, S. Ruiz, I. Dubova, C. Rodriguez, A. M. Denli, F. S. Boscolo, R. D. Thiagarajan, F. H. Gage , J. F. Loring, L. C. Laurent, and J. C. Izpisua Belmonte. "Conversion of Human Fibroblasts to Angioblast-Like Progenitor Cells." <i>Nat Methods</i> 10, no. 1 (2013): 77-83
683	Gage, F. H. "Transplantation in the Future." <i>Prog Brain Res</i> 200 (2012): 7-13.
682	Winner, B., M. Regensburger, S. Schreglmann, L. Boyer, I. Prots, E. Rockenstein, M. Mante, C. Zhao, J. Winkler, E. Masliah, and F. H. Gage . "Role of Alpha-Synuclein in Adult Neurogenesis and Neuronal Maturation in the Dentate Gyrus." <i>J Neurosci</i> 32, no. 47 (2012): 16906-16916.
681	Vivar, C., M. C. Potter, J. Choi, J. Y. Lee, T. P. Stringer, E. M. Callaway, F. H. Gage , H. Suh, and H. van Praag. "Monosynaptic Inputs to New Neurons in the Dentate Gyrus." <i>Nat Commun</i> 3 (2012): 1107.
680	Zhao, C., J. Warner-Schmidt, R. S. Duman, and F. H. Gage . "Electroconvulsive Seizure Promotes Spine Maturation in Newborn Dentate Granule Cells in Adult Rat." <i>Developmental neurobiology</i> 72, no. 6 (2012): 937-42
679	Yao, J., Y. Mu, and F. H. Gage . "Neural Stem Cells: Mechanisms and Modeling." <i>Protein Cell</i> 3, no. 4 (2012): 251-61
678	Vilchez, D., L. Boyer, I. Morantte, M. Lutz, C. Merkwirth, D. Joyce, B. Spencer, L. Page, E. Masliah, W. T. Berggren, F. H. Gage , and A. Dillin. "Increased Proteasome Activity in Human Embryonic Stem Cells Is Regulated by Psm11." <i>Nature</i> 489, no. 7415 (2012): 304-8.
677	Thuret, S., M. Thallmair, L. L. Horky, and F. H. Gage . "Enhanced Functional Recovery in Mrl/Mpj Mice after Spinal Cord Dorsal Hemisection." <i>PLoS One</i> 7, no. 2 (2012): e30904.
676	Shimozaki, K., C. L. Zhang, H. Suh, A. M. Denli, R. M. Evans, and F. H. Gage . "Sry-Box-Containing Gene 2 Regulation of Nuclear Receptor Tailless (Tlx) Transcription in Adult Neural Stem Cells." <i>J Biol Chem</i> 287, no. 8 (2012): 5969-78.
675	Marchetto, M. C., and F. H. Gage . "Modeling Brain Disease in a Dish: Really?" <i>Cell Stem Cell</i> 10, no. 6 (2012): 642-5.
674	Li, Y., J. B. Aimone, X. Xu, E. M. Callaway and F. H. Gage . "Development of Gabaergic Inputs Controls the Contribution of Maturing Neurons to the Adult Hippocampal Network." <i>Proc Natl Acad Sci U S A</i> 109, no. 11 (2012): 4290-5.
673	Lee, S. W., G. D. Clemenson, and F. H. Gage . "New Neurons in an Aged Brain." <i>Behav Brain Res</i> 227, no. 2 (2012): 497-507.
672	Israel, M. A., S. H. Yuan, C. Bardy, S. M. Reyna, Y. Mu, C. Herrera, M. P. Hefferan, S. Van Gorp, K. L. Nazor, F. S. Boscolo, C. T. Carson, L. C. Laurent, M. Marsala, F. H. Gage , A. M. Remes, E. H. Koo, and L. S. Goldstein. "Probing Sporadic and Familial Alzheimer's Disease Using Induced Pluripotent Stem Cells." <i>Nature</i> 482, no. 7384 (2012): 216-20.
671	Han, J., A. M. Denli, and F. H. Gage . "The Enemy Within: Intronic Mir-26b Represses Its Host Gene, Ctdsp2, to Regulate Neurogenesis." <i>Genes Dev</i> 26, no. 1 (2012): 6-10.

670	Giorgetti, A., M. C. Marchetto, M. Li, D. Yu, R. Fazzina, Y. Mu, A. Adamo, I. Paramonov, J. C. Cardoso, M. B. Monasterio, C. Bardy, R. Cassiani-Ingoni, G. H. Liu, F. H. Gage and J. C. Izpisua Belmonte. "Cord Blood-Derived Neuronal Cells by Ectopic Expression of Sox2 and C-Myc." <i>Proc Natl Acad Sci U S A</i> 109, no. 31 (2012): 12556-61.
669	Ge, W. P., A. Miyawaki, F. H. Gage , Y. N. Jan, and L. Y. Jan. "Local Generation of Glia Is a Major Astrocyte Source in Postnatal Cortex." <i>Nature</i> 484, no. 7394 (2012): 376-80.
668	Gage, F. H. and A. R. Muotri. "What Makes Each Brain Unique." <i>Sci Am</i> 306, no. 3 (2012): 26-31.
667	Gage, F. H. "Isscr: Beginning the Next Chapter." <i>Cell Stem Cell</i> 10, no. 1 (2012): 29-31.
666	Fava, M., S. D. Targum, A. A. Nierenberg, L. S. Bleicher, T. A. Carter, P. C. Wedel, R. Hen, F. H. Gage and C. Barlow. "An Exploratory Study of Combination Bupirone and Melatonin Sr in Major Depressive Disorder (Mdd): A Possible Role for Neurogenesis in Drug Discovery." <i>J Psychiatr Res</i> 46, no. 12 (2012): 1553-63.
665	Egawa, N., S. Kitaoka, K. Tsukita, M. Naitoh, K. Takahashi, T. Yamamoto, F. Adachi, T. Kondo, K. Okita, I. Asaka, T. Aoi, A. Watanabe, Y. Yamada, A. Morizane, J. Takahashi, T. Ayaki, H. Ito, K. Yoshikawa, S. Yamawaki, S. Suzuki, D. Watanabe, H. Hioki, T. Kaneko, K. Makioka, K. Okamoto, H. Takuma, A. Tamaoka, K. Hasegawa, T. Nonaka, M. Hasegawa, A. Kawata, M. Yoshida, T. Nakahata, R. Takahashi, M. C. Marchetto, F. H. Gage , S. Yamanaka, and H. Inoue. "Drug Screening for Als Using Patient-Specific Induced Pluripotent Stem Cells." <i>Sci Transl Med</i> 4, no. 145 (2012): 145ra104.
664	Brennand, K. J., A. Simone, N. Tran and F. H. Gage . "Modeling Psychiatric Disorders at the Cellular and Network Levels." <i>Mol Psychiatry</i> 17, no. 12 (2012): 1239-53.
663	Brennand, K. J., and F. H. Gage . "Modeling Psychiatric Disorders through Reprogramming." <i>Dis Model Mech</i> 5, no. 1 (2012): 26-32
662	Bracko, O., T. Singer, S. Aigner, M. Knobloch, B. Winner, J. Ray, G. D. Clemenson, Jr., H. Suh, S. Couillard-Despres, L. Aigner, F. H. Gage , and S. Jessberger. "Gene Expression Profiling of Neural Stem Cells and Their Neuronal Progeny Reveals Igf2 as a Regulator of Adult Hippocampal Neurogenesis." <i>J Neurosci</i> 32, no. 10 (2012): 3376-87.
661	Boyer, L. F., B. Campbell, S. Larkin, Y. Mu, and F. H. Gage . "Dopaminergic Differentiation of Human Pluripotent Cells." <i>Curr Protoc Stem Cell Biol</i> Chapter 1 (2012): Unit1H 6.
660	Boyce, V. S., J. Park, F. H. Gage , and L. M. Mendell. "Differential Effects of Brain-Derived Neurotrophic Factor and Neurotrophin-3 on Hindlimb Function in Paraplegic Rats." <i>Eur J Neurosci</i> 35, no. 2 (2012): 221-32.
659	Zhu, Q., G. M. Pao, A. M. Huynh, H. Suh, N. Tonnu, P. M. Nederlof, F. H. Gage , and I. M. Verma. "Brca1 Tumour Suppression Occurs Via Heterochromatin-Mediated Silencing." <i>Nature</i> 477, no. 7363 (2011): 179-84.
658	Yuan, S. H., J. Martin, J. Elia, J. Flippin, R. I. Paramban, M. P. Hefferan, J. G. Vidal, Y. Mu, R. L. Killian, M. A. Israel, N. Emre, S. Marsala, M. Marsala, F. H. Gage , L. S. Goldstein, and C. T. Carson. "Cell-Surface Marker Signatures for the Isolation of Neural Stem Cells, Glia and Neurons Derived from Human Pluripotent Stem Cells." <i>PLoS One</i> 6, no. 3 (2011): e17540.
657	Woods, N. B., A. S. Parker, R. Moraghebi, M. K. Lutz, A. L. Firth, K. J. Brennand, W. T. Berggren, A. Raya, J. C. Belmonte, F. H. Gage , and I. M. Verma. "Efficient Generation of Hematopoietic Precursors and Progenitors from Human Pluripotent Stem Cell Lines." <i>Stem Cells</i> 29, no. 7 (2011): 1158-64.
656	Winner, B., H. L. Melrose, C. Zhao, K. M. Hinkle, M. Yue, C. Kent, A. T. Braithwaite, S. Ogholikhan, R. Aigner, J. Winkler, M. J. Farrer, and F. H. Gage . "Adult Neurogenesis and Neurite Outgrowth Are Impaired in Lrrk2 G2019s Mice." <i>Neurobiol Dis</i> 41, no. 3 (2011): 706-16.
655	Winner, B., Z. Kohl, and F. H. Gage . "Neurodegenerative Disease and Adult Neurogenesis." <i>Eur J Neurosci</i> 33, no. 6 (2011): 1139-51.
654	Winner, B., R. Jappelli, S. K. Maji, P. A. Desplats, L. Boyer, S. Aigner, C. Hetzer, T. Loher, M. Vilar, S. Campioni, C. Tzitzilonis, A. Soragni, S. Jessberger, H. Mira, A. Consiglio, E. Pham, E. Masliah, F. H. Gage , and R. Riek. "In Vivo Demonstration That {Alpha}-Synuclein Oligomers Are Toxic." <i>Proc Natl Acad Sci U S A</i> , no. 1091-6490 (Electronic) (2011).
653	Shen, B., Z. Xiang, B. Miller, G. Louie, W. Wang, J. P. Noel, F. H. Gage and L. Wang. "Genetically Encoding Unnatural Amino Acids in Neural Stem Cells and Optically Reporting Voltage-Sensitive Domain Changes in Differentiated Neurons." <i>Stem Cells</i> 29, no. 8 (2011): 1231-40.
652	Mu, Y., C. Zhao, and F. H. Gage . "Dopaminergic Modulation of Cortical Inputs During Maturation of Adult-Born Dentate Granule Cells." <i>J Neurosci</i> 31, no. 11 (2011): 4113-23.
651	Mu, Y., and F. H. Gage . "Adult Hippocampal Neurogenesis and Its Role in Alzheimer's Disease." <i>Mol Neurodegener</i> 6 (2011): 85.
650	Meng, X., M. Arocena, J. Penninger, F. H. Gage , M. Zhao, and B. Song. "Pi3k Mediated Electrotaxis of Embryonic

	and Adult Neural Progenitor Cells in the Presence of Growth Factors." <i>Exp Neurol</i> 227, no. 1 (2011): 210-7.
649	Marchetto, M. C., K. J. Brennand, L. F. Boyer and F. H. Gage . "Induced Pluripotent Stem Cells (IpsCs) and Neurological Disease Modeling: Progress and Promises." <i>Hum Mol Genet</i> 20, no. R2 (2011): R109-15.
648	Kuwabara, T., M. N. Kagalwala, Y. Onuma, Y. Ito, M. Warashina, K. Terashima, T. Sanosaka, K. Nakashima, F. H. Gage , and M. Asashima. "Insulin Biosynthesis in Neuronal Progenitors Derived from Adult Hippocampus and the Olfactory Bulb." <i>EMBO Mol Med</i> 3, no. 12 (2011): 742-54.
647	Kim, J. E., M. L. O'Sullivan, C. A. Sanchez, M. Hwang, M. A. Israel, K. Brennand, T. J. Deerinck, L. S. Goldstein, F. H. Gage , M. H. Ellisman and A. Ghosh. "Investigating Synapse Formation and Function Using Human Pluripotent Stem Cell-Derived Neurons." <i>Proc Natl Acad Sci U S A</i> 108, no. 7 (2011): 3005-10.
646	Hester, M. E., M. J. Murtha, S. Song, M. Rao, C. J. Miranda, K. Meyer, J. Tian, G. Boulting, D. V. Schaffer, M. X. Zhu, S. L. Pfaff, F. H. Gage , and B. K. Kaspar. "Rapid and Efficient Generation of Functional Motor Neurons from Human Pluripotent Stem Cells Using Gene Delivered Transcription Factor Codes." <i>Mol Ther</i> 19, no. 10 (2011): 1905-12
645	Coufal, N. G., J. L. Garcia-Perez, G. E. Peng, M. C. Marchetto, A. R. Muotri, Y. Mu, C. T. Carson, A. Macia, J. V. Moran, and F. H. Gage . "Ataxia Telangiectasia Mutated (Atm) Modulates Long Interspersed Element-1 (L1) Retrotransposition in Human Neural Stem Cells." <i>Proc Natl Acad Sci U S A</i> 108, no. 51 (2011): 20382-7.
644	Brennand, K. J., A. Simone, J. Jou, C. Gelboin-Burkhardt, N. Tran, S. Sangar, Y. Li, Y. Mu, G. Chen, D. Yu, S. McCarthy, J. Sebat, and F. H. Gage . "Modeling Schizophrenia Using Human Induced Pluripotent Stem Cells." <i>Nature</i> 473, no. 7346 (2011): 221-5.
643	Brennand, K. J., and F. H. Gage . "Concise Review: The Promise of Human Induced Pluripotent Stem Cell-Based Studies of Schizophrenia." <i>Stem Cells</i> 29, no. 12 (2011): 1915-22.
642	Aimone, J. B., and F. H. Gage . "Modeling New Neuron Function: A History of Using Computational Neuroscience to Study Adult Neurogenesis." <i>Eur J Neurosci</i> 33, no. 6 (2011): 1160-9.
641	Aimone, J. B., W. Deng, and F. H. Gage . "Resolving New Memories: A Critical Look at the Dentate Gyrus, Adult Neurogenesis, and Pattern Separation." <i>Neuron</i> 70, no. 4 (2011): 589-96.
640	Valdez, G., J. C. Tapia, H. Kang, G. D. Clemenson, Jr., F. H. Gage , J. W. Lichtman, and J. R. Sanes. "Attenuation of Age-Related Changes in Mouse Neuromuscular Synapses by Caloric Restriction and Exercise." <i>Proc Natl Acad Sci U S A</i> 107, no. 33 (2010): 14863-8.
639	Tronel, S., A. Fabre, V. Charrier, S. H. Oliet, F. H. Gage and D. N. Arous. "Spatial Learning Sculpts the Dendritic Arbor of Adult-Born Hippocampal Neurons." <i>Proc Natl Acad Sci U S A</i> 107, no. 17 (2010): 7963-8.
638	Singer, T, M. J. McConnell, M. C. N. Marchetto, N. G. Coufal, and F. H. Gage . "Line-1 Retrotransposons: Mediators of Somatic Variation in Neuronal Genomes?" <i>Trends in Neurosciences</i> 33, no. 8 (2010): 345-354 [PMCID: PMC2916067].
637	Ruiz, S., K. Brennand, A. D. Panopoulos, A. Herrerias, F. H. Gage , and J. C. Izpisua-Belmonte. "High-Efficient Generation of Induced Pluripotent Stem Cells from Human Astrocytes." <i>PLoS One</i> 5, no. 12 (2010): e15526.
636	Qu, Q., G. Sun, W. Li, S. Yang, P. Ye, C. Zhao, R. T. Yu, F. H. Gage , R. M. Evans, and Y. Shi. "Orphan Nuclear Receptor Tlx Activates Wnt/Beta-Catenin Signalling to Stimulate Neural Stem Cell Proliferation and Self-Renewal." <i>Nat Cell Biol</i> 12, no. 1 (2010): 31-40; sup pp 1-9.
635	Petruska, J. C., B. Kitay, V. S. Boyce, B. K. Kaspar, D. D. Pearse, F. H. Gage , and L. M. Mendell. "Intramuscular Aav Delivery of Nt-3 Alters Synaptic Transmission to Motoneurons in Adult Rats." <i>Eur J Neurosci</i> 32, no. 6 (2010): 997-1005.
634	Muotri, A. R., M. C. Marchetto, N. G. Coufal, R. Oefner, G. Yeo, K. Nakashima, and F. H. Gage . "L1 Retrotransposition in Neurons Is Modulated by Mecp2." <i>Nature</i> 468, no. 7322 (2010): 443-6.
633	Mu, Y., S. W. Lee, and F. H. Gage . "Signaling in Adult Neurogenesis." <i>Curr Opin Neurobiol</i> 20, no. 4 (2010): 416-23.
632	Mira, H., Z. Andreu, H. Suh, D. C. Lie, S. Jessberger, A. Consiglio, J. San Emeterio, R. Hortiguera, M. A. Marques-Torres, K. Nakashima, D. Colak, M. Gotz, I. Farinas, and F. H. Gage . "Signaling through Bmpr-Ia Regulates Quiescence and Long-Term Activity of Neural Stem Cells in the Adult Hippocampus." <i>Cell Stem Cell</i> 7, no. 1 (2010): 78-89.
631	Mathews, E. A., N. A. Morgenstern, V. C. Piatti, C. Zhao, S. Jessberger, A. F. Schinder, and F. H. Gage . "A Distinctive Layering Pattern of Mouse Dentate Granule Cells Is Generated by Developmental and Adult Neurogenesis." <i>J Comp Neurol</i> 518, no. 22 (2010): 4479-90.
630	Marchetto, M. C. N. , F. H. Gage, and A. R. Muotri. "Retrotransposition and Neuronal Diversity." In <i>Perspectives of Stem Cells</i> , edited by Henning Ulrich, 87-96: Springer Netherlands, 2010.
629	Marchetto, Maria C. N., Cassiano Carromeu, Allan Acab, Diana Yu, Gene W. Yeo, Yangling Mu, Gong Chen,

	Fred H. Gage , and Alysson R. Muotri. "A Model for Neural Development and Treatment of Rett Syndrome Using Human Induced Pluripotent Stem Cells." <i>Cell</i> 143, no. 4 (2010): 527-539.
628	Marchetto, M. C., B. Winner, and F. H. Gage . "Pluripotent Stem Cells in Neurodegenerative and Neurodevelopmental Diseases." <i>Hum Mol Genet</i> (2010).
627	Ma, D. K., M. C. Marchetto, J. U. Guo, G. L. Ming, F. H. Gage , and H. Song. "Epigenetic Choreographers of Neurogenesis in the Adult Mammalian Brain." <i>Nat Neurosci</i> 13, no. 11 (2010): 1338-44.
626	Liu, D., L. Ou, G. D. Clemenson, Jr., C. Chao, M. E. Lutske, G. P. Zambetti, F. H. Gage , and Y. Xu. "Puma Is Required for P53-Induced Depletion of Adult Stem Cells." <i>Nat Cell Biol</i> (2010).
625	Glass, C. K., K. Saijo, B. Winner, M. C. Marchetto, and F. H. Gage . "Mechanisms Underlying Inflammation in Neurodegeneration." <i>Cell</i> 140, no. 6 (2010): 918-34.
624	Gage, F. H. "Molecular and Cellular Mechanisms Contributing to the Regulation, Proliferation and Differentiation of Neural Stem Cells in the Adult Dentate Gyrus." <i>Keio J Med</i> 59, no. 3 (2010): 79-83.
623	Gage, F.H. "The Promise and the Challenge of Modelling Human Disease in a Dish." <i>EMBO Mol Med</i> 2, no. 3 (2010): 77-8.
622	Deng, Wei, James B. Aimone, and F.H. Gage . "New Neurons and New Memories: How Does Adult Hippocampal Neurogenesis Affect Learning and Memory?" <i>Nat Rev Neurosci</i> 11 (2010): 339-350
621	Brennand, K., and F.H. Gage . "Neural Induction of Es / Ips Cells. ." <i>Development Neuroscience – Basic and Clinical Mechanisms, a Comprehensive Reference.</i> , edited by Rakic P. and Rubenstein J. Oxford, UK: Elsevier, 2010.
620	Aimone, J. B., W. Deng, and F. H. Gage . "Adult Neurogenesis: Integrating Theories and Separating Functions." <i>Trends Cogn Sci</i> 14 (2010): 325–337.
619	_____. "Put Them out to Pasture? What Are Old Granule Cells Good for, Anyway...?" <i>Hippocampus</i> (2010).
618	Zhao, C., H. Suh, and F. H. Gage . "Notch Keeps Ependymal Cells in Line." <i>Nat Neurosci</i> 12, no. 3 (2009): 243-5.
617	Yeo, G. W., N. G. Coufal, T. Y. Liang, G. E. Peng, X. D. Fu, and F. H. Gage . "An Rna Code for the Fox2 Splicing Regulator Revealed by Mapping Rna-Protein Interactions in Stem Cells." <i>Nat Struct Mol Biol</i> 16, no. 2 (2009): 130-7.
616	Thuret, S., N. Toni, S. Aigner, G. W. Yeo, and F. H. Gage . "Hippocampus-Dependent Learning Is Associated with Adult Neurogenesis in Mrl/Mpj Mice." <i>Hippocampus</i> 19, no. 7 (2009): 658-69.
615	Tamaki, S. J., Y. Jacobs, M. Dohse, A. Capela, J. D. Cooper, M. Reitsma, D. He, R. Tushinski, P. V. Belichenko, A. Salehi, W. Mobley, F. H. Gage , S. Huhn, A. S. Tsukamoto, I. L. Weissman, and N. Uchida. "Neuroprotection of Host Cells by Human Central Nervous System Stem Cells in a Mouse Model of Infantile Neuronal Ceroid Lipofuscinosis." <i>Cell Stem Cell</i> 5, no. 3 (2009): 310-9.
614	Suh, H., W. Deng, and F. H. Gage . "Signaling in Adult Neurogenesis." <i>Annu Rev Cell Dev Biol</i> 25 (2009): 253-75.
613	Saijo, K., B. Winner, C. T. Carson, J. G. Collier, L. Boyer, M. G. Rosenfeld, F. H. Gage , and C. K. Glass. "A Nurr1/Corest Pathway in Microglia and Astrocytes Protects Dopaminergic Neurons from Inflammation-Induced Death." <i>Cell</i> 137, no. 1 (2009): 47-59.
612	Rose, J. B., L. Crews, E. Rockenstein, A. Adame, M. Mante, L. B. Hersh, F. H. Gage , B. Spencer, R. Potkar, R. A. Marr, and E. Masliah. "Neuropeptide Y Fragments Derived from Neprilysin Processing Are Neuroprotective in a Transgenic Model of Alzheimer's Disease." <i>J Neurosci</i> 29, no. 4 (2009): 1115-25.
611	Nakashima, K., J. Kohyama, M. Namihira, F. H. Gage , H. Okano, and K. Sawamoto. "[Epigenetic Mechanisms Regulating Neural Cell Fate Determination]." <i>No To Hattatsu</i> 41, no. 6 (2009): 411-4.
610	Muotri, A. R., C. Zhao, M. C. Marchetto, and F. H. Gage . "Environmental Influence on L1 Retrotransposons in the Adult Hippocampus." <i>Hippocampus</i> 19, no. 10 (2009): 1002-7.
609	Marumoto, T., A. Tashiro, D. Friedmann-Morvinski, M. Scadeng, Y. Soda, F. H. Gage , and I. M. Verma. "Development of a Novel Mouse Glioma Model Using Lentiviral Vectors." <i>Nat Med</i> 15, no. 1 (2009): 110-6.
608	Marchetto, M. C., G. W. Yeo, O. Kainohana, M. Marsala, F. H. Gage , and A. R. Muotri. "Transcriptional Signature and Memory Retention of Human-Induced Pluripotent Stem Cells." <i>PLoS One</i> 4, no. 9 (2009): e7076.
607	Li, Y., Y. Mu, and F. H. Gage . "Development of Neural Circuits in the Adult Hippocampus." <i>Curr Top Dev Biol</i> 87 (2009): 149-74.
606	Kuwabara, T., J. Hsieh, A. Muotri, G. Yeo, M. Warashina, D. C. Lie, L. Moore, K. Nakashima, M. Asashima, and F. H. Gage . "Wnt-Mediated Activation of Neurod1 and Retro-Elements During Adult Neurogenesis." <i>Nat Neurosci</i> 12, no. 9 (2009): 1097-105.
605	Jessberger, S., F. H. Gage , A. J. Eisch, and D. C. Lagace. "Making a Neuron: Cdk5 in Embryonic and Adult Neurogenesis." <i>Trends Neurosci</i> 32, no. 11 (2009): 575-82.
604	Jessberger, S., and F. H. Gage . "Fate Plasticity of Adult Hippocampal Progenitors: Biological Relevance and

	Therapeutic Use." <i>Trends Pharmacol Sci</i> 30, no. 2 (2009): 61-5.
603	Jessberger, S., R. E. Clark, N. J. Broadbent, G. D. Clemenson, Jr., A. Consiglio, D. C. Lie, L. R. Squire, and F. H. Gage . "Dentate Gyrus-Specific Knockdown of Adult Neurogenesis Impairs Spatial and Object Recognition Memory in Adult Rats." <i>Learn Mem</i> 16, no. 2 (2009): 147-54.
602	Jagasia, R., K. Steib, E. Englberger, S. Herold, T. Faus-Kessler, M. Saxe, F. H. Gage , H. Song, and D. C. Lie. "Gaba-Camp Response Element-Binding Protein Signaling Regulates Maturation and Survival of Newly Generated Neurons in the Adult Hippocampus." <i>J Neurosci</i> 29, no. 25 (2009): 7966-77.
601	Fortun, J., R. Puzis, D. Pearse, F. H. Gage , and M. Bunge. "Muscle Injection of Aav-Nt3 Promotes Anatomical Reorganization of Cst Axons and Improves Behavioral Outcome Following Sci." <i>J Neurotrauma</i> (2009).
600	Denli, A. M., X. Cao, and F. H. Gage . "Mir-9 and Tlx: Chasing Tails in Neural Stem Cells." <i>Nat Struct Mol Biol</i> 16, no. 4 (2009): 346-7.
599	Deng, W., M. D. Saxe, I. S. Gallina, and F. H. Gage . "Adult-Born Hippocampal Dentate Granule Cells Undergoing Maturation Modulate Learning and Memory in the Brain." <i>J Neurosci</i> 29, no. 43 (2009): 13532-42.
598	Coufal, N. G., J. L. Garcia-Perez, G. E. Peng, G. W. Yeo, Y. Mu, M. T. Lovci, M. Morell, K. S. O'Shea, J. V. Moran, and F. H. Gage . "L1 Retrotransposition in Human Neural Progenitor Cells." <i>Nature</i> 460, no. 7259 (2009): 1127-31.
597	Clelland, C. D., M. Choi, C. Romberg, G. D. Clemenson, Jr., A. Fragniere, P. Tyers, S. Jessberger, L. M. Saksida, R. A. Barker, F. H. Gage , and T. J. Bussey. "A Functional Role for Adult Hippocampal Neurogenesis in Spatial Pattern Separation." <i>Science</i> 325, no. 5937 (2009): 210-3.
596	Andrews, M. R., S. Czvitkovich, E. Dassie, C. F. Vogelaar, A. Faissner, B. Blits, F. H. Gage , C. ffrench-Constant, and J. W. Fawcett. "Alpha9 Integrin Promotes Neurite Outgrowth on Tenascin-C and Enhances Sensory Axon Regeneration." <i>J Neurosci</i> 29, no. 17 (2009): 5546-
595	Aimone, J. B., J. Wiles, and F. H. Gage . "Computational Influence of Adult Neurogenesis on Memory Encoding." <i>Neuron</i> 61, no. 2 (2009): 187-202.
594	Zhao, C., W. Deng, and F. H. Gage . "Mechanisms and Functional Implications of Adult Neurogenesis." <i>Cell</i> 132, no. 4 (2008): 645-60.
593	Zhang, C. L., Y. Zou, W. He, F. H. Gage , and R. M. Evans. "A Role for Adult Tlx-Positive Neural Stem Cells in Learning and Behaviour." <i>Nature</i> 451, no. 7181 (2008): 1004-7.
592	Yeo, G. W., N. Coufal, S. Aigner, B. Winner, J. A. Scolnick, M. C. Marchetto, A. R. Muotri, C. Carson, and F. H. Gage . "Multiple Layers of Molecular Controls Modulate Self-Renewal and Neuronal Lineage Specification of Embryonic Stem Cells." <i>Hum Mol Genet</i> 17, no. R1 (2008): R67-75.
591	Toni, N., D. A. Laplagne, C. Zhao, G. Lombardi, C. E. Ribak, F. H. Gage , and A. F. Schinder. "Neurons Born in the Adult Dentate Gyrus Form Functional Synapses with Target Cells." <i>Nat Neurosci</i> 11, no. 8 (2008): 901-7.
590	Thompson, C. L., S. D. Pathak, A. Jeromin, L. L. Ng, C. R. MacPherson, M. T. Mortrud, A. Cusick, Z. L. Riley, S. M. Sunkin, A. Bernard, R. B. Puchalski, F. H. Gage , A. R. Jones, V. B. Bajic, M. J. Hawrylycz, and E. S. Lein. "Genomic Anatomy of the Hippocampus." <i>Neuron</i> 60, no. 6 (2008): 1010-21.
589	Spencer, B., R. A. Marr, E. Rockenstein, L. Crews, A. Adame, R. Potkar, C. Patrick, F. H. Gage , I. M. Verma, and E. Masliah. "Long-Term Neprilysin Gene Transfer Is Associated with Reduced Levels of Intracellular Abeta and Behavioral Improvement in App Transgenic Mice." <i>BMC Neurosci</i> 9 (2008): 109.
588	Marchetto, M. C., A. R. Muotri, Y. Mu, A. M. Smith, G. G. Cezar, and F. H. Gage . "Non-Cell-Autonomous Effect of Human Sod1 G37r Astrocytes on Motor Neurons Derived from Human Embryonic Stem Cells." <i>Cell Stem Cell</i> 3, no. 6 (2008): 649-57.
587	Li, X., B. Z. Barkho, Y. Luo, R. D. Smrt, N. J. Santistevan, C. Liu, T. Kuwabara, F. H. Gage , and X. Zhao. "Epigenetic Regulation of the Stem Cell Mitogen Fgf-2 by Mbd1 in Adult Neural Stem/Progenitor Cells." <i>J Biol Chem</i> 283, no. 41 (2008): 27644-52.
586	Kohyama, J., T. Kojima, E. Takatsuka, T. Yamashita, J. Namiki, J. Hsieh, F. H. Gage , M. Namihira, H. Okano, K. Sawamoto, and K. Nakashima. "Epigenetic Regulation of Neural Cell Differentiation Plasticity in the Adult Mammalian Brain." <i>Proc Natl Acad Sci U S A</i> 105, no. 46 (2008): 18012-7.
585	Jessberger, S., N. Toni, G. D. Clemenson, Jr., J. Ray, and F. H. Gage . "Directed Differentiation of Hippocampal Stem/Progenitor Cells in the Adult Brain." <i>Nat Neurosci</i> 11, no. 8 (2008): 888-93.
584	Jessberger, S., and F. H. Gage . "Stem-Cell-Associated Structural and Functional Plasticity in the Aging Hippocampus." <i>Psychol Aging</i> 23, no. 4 (2008): 684-91.
583	Jessberger, S., S. Aigner, G. D. Clemenson, Jr., N. Toni, D. C. Lie, O. Karalay, R. Overall, G. Kempermann, and F. H. Gage . "Cdk5 Regulates Accurate Maturation of Newborn Granule Cells in the Adult Hippocampus." <i>PLoS Biol</i> 6, no. 11 (2008): e272.

582	Gage, F. H. and M. E. Selzer. "Experts Provide Insights into Emerging Field of Brain and Spine Repair. Interview by Bridget M. Kuehn." <i>JAMA</i> 300, no. 9 (2008): 1013-4
581	Cao, X., S. L. Pfaff, and F. H. Gage . "Yap Regulates Neural Progenitor Cell Number Via the Tea Domain Transcription Factor." <i>Genes Dev</i> 22, no. 23 (2008): 3320-34.
580	Yeo, G. W., X. Xu, T. Y. Liang, A. R. Muotri, C. T. Carson, N. G. Coufal, and F. H. Gage . "Alternative Splicing Events Identified in Human Embryonic Stem Cells and Neural Progenitors." <i>PLoS Comput Biol</i> 3, no. 10 (2007): 1951-67.
579	Yao, W., J. Nathanson, I. Lian, F. H. Gage , and L. A. Sung. "Mouse Erythrocyte Tropomodulin in the Brain Reported by Lacz Knocked-in Downstream from the E1 Promoter." <i>Gene Expr Patterns</i> 8, no. 1 (2007): 36-46.
578	Van Praag, H., M. J. Lucero, G. W. Yeo, K. Stecker, N. Heivand, C. Zhao, E. Yip, M. Afanador, H. Schroeter, J. Hammerstone, and F. H. Gage . "Plant-Derived Flavanol (-) Epicatechin Enhances Angiogenesis and Retention of Spatial Memory in Mice." <i>J Neurosci</i> 27, no. 22 (2007): 5869-78.
577	Toni, N., E. M. Teng, E. A. Bushong, J. B. Aimone, C. Zhao, A. Consiglio, H. van Praag, M. E. Martone, M. H. Ellisman, and F. H. Gage . "Synapse Formation on Neurons Born in the Adult Hippocampus." <i>Nat Neurosci</i> 10, no. 6 (2007): 727-34
576	Tashiro, A., H. Makino, and F. H. Gage . "Experience-Specific Functional Modification of the Dentate Gyrus through Adult Neurogenesis: A Critical Period During an Immature Stage." <i>J Neurosci</i> 27, no. 12 (2007): 3252-9.
575	Suzuki, S., L. M. Gerhold, M. Bottner, S. W. Rau, C. Dela Cruz, E. Yang, H. Zhu, J. Yu, A. B. Cashion, M. S. Kindy, I. Merchenthaler, F. H. Gage , and P. M. Wise. "Estradiol Enhances Neurogenesis Following Ischemic Stroke through Estrogen Receptors Alpha and Beta." <i>J Comp Neurol</i> 500, no. 6 (2007): 1064-75.
574	Suh, H., A. Consiglio, J. Ray, T. Sawai, K. A. D'Amour, and F. H. Gage . "In Vivo Fate Analysis Reveals the Multipotent and Self-Renewal Capacities of Sox2+ Neural Stem Cells in the Adult Hippocampus." <i>Cell Stem Cell</i> 1, no. 5 (2007): 515-28.
573	Smrt, R. D., J. Eaves-Egenes, B. Z. Barkho, N. J. Santistevan, C. Zhao, J. B. Aimone, F. H. Gage , and X. Zhao. "Mecp2 Deficiency Leads to Delayed Maturation and Altered Gene Expression in Hippocampal Neurons." <i>Neurobiol Dis</i> 27, no. 1 (2007): 77-89.
572	Pereira, A. C., D. E. Huddleston, A. M. Brickman, A. A. Sosunov, R. Hen, G. M. McKhann, R. Sloan, F. H. Gage , T. R. Brown, and S. A. Small. "An in Vivo Correlate of Exercise-Induced Neurogenesis in the Adult Dentate Gyrus." <i>Proc Natl Acad Sci U S A</i> 104, no. 13 (2007): 5638-43.
571	Parent, J. M., S. Jessberger, F. H. Gage , and C. Gong. "Is Neurogenesis Reparative after Status Epilepticus?" <i>Epilepsia</i> 48 Suppl 8 (2007): 69-71.
570	Muotri, A. R., M. C. Marchetto, N. G. Coufal, and F. H. Gage . "The Necessary Junk: New Functions for Transposable Elements." <i>Hum Mol Genet</i> 16 Spec No. 2 (2007): R159-67.
569	Leingartner, A., S. Thuret, T. T. Kroll, S. J. Chou, J. L. Leasure, F. H. Gage , and D. D. O'Leary. "Cortical Area Size Dictates Performance at Modality-Specific Behaviors." <i>Proc Natl Acad Sci U S A</i> 104, no. 10 (2007): 4153-8.
568	Laplagne, D. A., J. E. Kamienkowski, M. S. Esposito, V. C. Piatti, C. Zhao, F. H. Gage , and A. F. Schinder. "Similar Gabaergic Inputs in Dentate Granule Cells Born During Embryonic and Adult Neurogenesis." <i>Eur J Neurosci</i> 25, no. 10 (2007): 2973-81.
567	Lanctot, P. M., F. H. Gage , and A. P. Varki. "The Glycans of Stem Cells." <i>Curr Opin Chem Biol</i> 11, no. 4 (2007): 373-80.
566	Jessberger, S., C. Zhao, N. Toni, G. D. Clemenson, Jr., Y. Li, and F. H. Gage . "Seizure-Associated, Aberrant Neurogenesis in Adult Rats Characterized with Retrovirus-Mediated Cell Labeling." <i>J Neurosci</i> 27, no. 35 (2007): 9400-7.
565	Jessberger, S., K. Nakashima, G. D. Clemenson, Jr., E. Mejia, E. Mathews, K. Ure, S. Ogawa, C. M. Sinton, F. H. Gage , and J. Hsieh. "Epigenetic Modulation of Seizure-Induced Neurogenesis and Cognitive Decline." <i>J Neurosci</i> 27, no. 22 (2007): 5967-75.
564	Jessberger, S., and F. H. Gage . "Zooming In: A New High-Resolution Gene Expression Atlas of the Brain." <i>Mol Syst Biol</i> 3 (2007): 75.
563	Jessberger, S., G. D. Clemenson, Jr., and F. H. Gage . "Spontaneous Fusion and Nonclonal Growth of Adult Neural Stem Cells." <i>Stem Cells</i> 25, no. 4 (2007): 871-4.
562	Garcia-Perez, J. L., M. C. Marchetto, A. R. Muotri, N. G. Coufal, F. H. Gage , K. S. O'Shea, and J. V. Moran. "Line-1 Retrotransposition in Human Embryonic Stem Cells." <i>Hum Mol Genet</i> 16, no. 13 (2007): 1569-77.
561	Gage, F.H. , G. Kempermann, and H. Song, eds. <i>Adult Neurogenesis</i> . Edited by F.H. Gage, G. Kempermann and H. Song. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press, 2007.
560	El-Amouri, S. S., H. Zhu, J. Yu, F. H. Gage , I. M. Verma, and M. S. Kindy. "Neprilysin Protects Neurons against

	Abeta Peptide Toxicity." <i>Brain Res</i> 1152 (2007): 191-200.
559	Cezar, G. G., J. A. Quam, A. M. Smith, G. J. Rosa, M. S. Piekarczyk, J. F. Brown, F. H. Gage , and A. R. Muotri. "Identification of Small Molecules from Human Embryonic Stem Cells Using Metabolomics." <i>Stem Cells Dev</i> 16, no. 6 (2007): 869-82.
558	Cao, X., S. L. Pfaff, and F. H. Gage . "A Functional Study of Mir-124 in the Developing Neural Tube." <i>Genes Dev</i> 21, no. 5 (2007): 531-6.
557	Aigner, S., A. M. Denli, and F. H. Gage . "A Novel Model for an Older Remodeler: The Baf Swap in Neurogenesis." <i>Neuron</i> 55, no. 2 (2007): 171-3.
556	Zhao, C., E. M. Teng, R. G. Summers, Jr., G. L. Ming, and F. H. Gage . "Distinct Morphological Stages of Dentate Granule Neuron Maturation in the Adult Mouse Hippocampus." <i>J Neurosci</i> 26, no. 1 (2006): 3-11.
555	Zhang, C. L., Y. Zou, R. T. Yu, F. H. Gage , and R. M. Evans. "Nuclear Receptor Tlx Prevents Retinal Dystrophy and Recruits the Corepressor Atrophia1." <i>Genes Dev</i> 20, no. 10 (2006): 1308-20.
554	Yang, H., P. Lu, H. M. McKay, T. Bernot, H. Keirstead, O. Steward, F. H. Gage , V. R. Edgerton, and M. H. Tuszynski. "Endogenous Neurogenesis Replaces Oligodendrocytes and Astrocytes after Primate Spinal Cord Injury." <i>J Neurosci</i> 26, no. 8 (2006): 2157-66.
553	Warashina, M., K. H. Min, T. Kuwabara, A. Huynh, F. H. Gage , P. G. Schultz, and S. Ding. "A Synthetic Small Molecule That Induces Neuronal Differentiation of Adult Hippocampal Neural Progenitor Cells." <i>Angew Chem Int Ed Engl</i> 45, no. 4 (2006): 591-3.
552	Thuret, S., L. D. Moon, and F. H. Gage . "Therapeutic Interventions after Spinal Cord Injury." <i>Nat Rev Neurosci</i> 7, no. 8 (2006): 628-43.
551	Thallmair, M., J. Ray, W. B. Stallcup, and F. H. Gage . "Functional and Morphological Effects of Ng2 Proteoglycan Deletion on Hippocampal Neurogenesis." <i>Exp Neurol</i> 202, no. 1 (2006): 167-78.
550	Tashiro, A., C. Zhao, and F. H. Gage . "Retrovirus-Mediated Single-Cell Gene Knockout Technique in Adult Newborn Neurons in Vivo." <i>Nat Protoc</i> 1, no. 6 (2006): 3049-55.
549	Tashiro, A., V. M. Sandler, N. Toni, C. Zhao, and F. H. Gage . "Nmda-Receptor-Mediated, Cell-Specific Integration of New Neurons in Adult Dentate Gyrus." <i>Nature</i> 442, no. 7105 (2006): 929-33.
548	Suzuki, A., A. Raya, Y. Kawakami, M. Morita, T. Matsui, K. Nakashima, F. H. Gage , C. Rodriguez-Esteban, and J. C. Izpisua Belmonte. "Nanog Binds to Smad1 and Blocks Bone Morphogenetic Protein-Induced Differentiation of Embryonic Stem Cells." <i>Proc Natl Acad Sci U S A</i> 103, no. 27 (2006): 10294-9.
547	Suzuki, A., A. Raya, Y. Kawakami, M. Morita, T. Matsui, K. Nakashima, F.H. Gage, C. Rodriguez-Esteban, and J.C. Izpisua Belmonte. "Maintenance of Embryonic Stem Cell Pluripotency by Nanog-Mediated Reversal of Mesoderm Specification." <i>Nat Clin Pract Cardiovasc Med</i> 3 Suppl 1 (2006): S114-22.
546	Suhonen, J., J. Ray, U. Blomer, F. H. Gage , and B. Kaspar. "Ex Vivo and in Vivo Gene Delivery to the Brain." <i>Curr Protoc Hum Genet</i> Chapter 13 (2006): Unit 13 3.
545	Ray, J., and F. H. Gage . "Differential Properties of Adult Rat and Mouse Brain-Derived Neural Stem/Progenitor Cells." <i>Mol Cell Neurosci</i> 31, no. 3 (2006): 560-73.
544	Ramirez-Amaya, V., D. F. Marrone, F. H. Gage , P. F. Worley, and C. A. Barnes. "Integration of New Neurons into Functional Neural Networks." <i>J Neurosci</i> 26, no. 47 (2006): 12237-41.
543	Pizzo, D. P., N. G. Coufal, M. J. Lortie, F. H. Gage , and L. J. Thal. "Regulatable Acetylcholine-Producing Fibroblasts Enhance Cognitive Performance." <i>Mol Ther</i> 13, no. 1 (2006): 175-82.
542	Palmer, Theo D., and Fred H. Gage. "Mobilization of Neural Precursors in the Adult Central Nervous System." In <i>Neural Development and Stem Cells</i> , edited by Mahendra S. Rao, 343-369: Humana Press, 2006.
541	Muotri, A. R., and F. H. Gage . "Generation of Neuronal Variability and Complexity." <i>Nature</i> 441, no. 7097 (2006): 1087-93.
540	Moon, L. D., J. L. Leasure, F. H. Gage , and M. B. Bunge. "Motor Enrichment Sustains Hindlimb Movement Recovered after Spinal Cord Injury and Glial Transplantation." <i>Restor Neurol Neurosci</i> 24, no. 3 (2006): 147-61.
539	Miller, T. M., S. H. Kim, K. Yamanaka, M. Hester, P. Umapathi, H. Arnson, L. Rizo, J. R. Mendell, F. H. Gage , D. W. Cleveland, and B. K. Kaspar. "Gene Transfer Demonstrates That Muscle Is Not a Primary Target for Non-Cell-Autonomous Toxicity in Familial Amyotrophic Lateral Sclerosis." <i>Proc Natl Acad Sci U S A</i> 103, no. 51 (2006): 19546-51.
538	Laplagne, D. A., M. S. Esposito, V. C. Piatti, N. A. Morgenstern, C. Zhao, H. van Praag, F. H. Gage , and A. F. Schinder. "Functional Convergence of Neurons Generated in the Developing and Adult Hippocampus." <i>PLoS Biol</i> 4, no. 12 (2006): e409.
537	Kempermann, G., E. J. Chesler, L. Lu, R. W. Williams, and F. H. Gage . "Natural Variation and Genetic Covariance in Adult Hippocampal Neurogenesis." <i>Proc Natl Acad Sci U S A</i> 103, no. 3 (2006): 780-5.

536	Jagasia, R., H. Song, F. H. Gage , and D. C. Lie. "New Regulators in Adult Neurogenesis and Their Potential Role for Repair." <i>Trends Mol Med</i> 12, no. 9 (2006): 400-5.
535	Jacobs, S., D. C. Lie, K. L. DeCicco, Y. Shi, L. M. DeLuca, F. H. Gage , and R. M. Evans. "Retinoic Acid Is Required Early During Adult Neurogenesis in the Dentate Gyrus." <i>Proc Natl Acad Sci U S A</i> 103, no. 10 (2006): 3902-7.
534	Horky, L. L., F. Galimi, F. H. Gage , and P. J. Horner. "Fate of Endogenous Stem/Progenitor Cells Following Spinal Cord Injury." <i>J Comp Neurol</i> 498, no. 4 (2006): 525-38.
533	Carson, C. T., S. Aigner, and F. H. Gage . "Stem Cells: The Good, Bad and Barely in Control." <i>Nat Med</i> 12, no. 11 (2006): 1237-8.
532	Cao, X., G. Yeo, A. R. Muotri, T. Kuwabara, and F. H. Gage . "Noncoding Rnas in the Mammalian Central Nervous System." <i>Annu Rev Neurosci</i> 29 (2006): 77-103.
531	Borrell, V., B. K. Kaspar, F. H. Gage , and E. M. Callaway. "In Vivo Evidence for Radial Migration of Neurons by Long-Distance Somal Translocation in the Developing Ferret Visual Cortex." <i>Cereb Cortex</i> 16, no. 11 (2006): 1571-83.
530	Bhardwaj, R. D., M. A. Curtis, K. L. Spalding, B. A. Buchholz, D. Fink, T. Bjork-Eriksson, C. Nordborg, F. H. Gage , H. Druid, P. S. Eriksson, and J. Frisen. "Neocortical Neurogenesis in Humans Is Restricted to Development." <i>Proc Natl Acad Sci U S A</i> 103, no. 33 (2006): 12564-8.
529	Battista, D., C. C. Ferrari, F. H. Gage , and F. J. Pitossi. "Neurogenic Niche Modulation by Activated Microglia: Transforming Growth Factor Beta Increases Neurogenesis in the Adult Dentate Gyrus." <i>Eur J Neurosci</i> 23, no. 1 (2006): 83-93.
528	Barkho, B. Z., H. Song, J. B. Aimone, R. D. Smrt, T. Kuwabara, K. Nakashima, F. H. Gage , and X. Zhao. "Identification of Astrocyte-Expressed Factors That Modulate Neural Stem/Progenitor Cell Differentiation." <i>Stem Cells Dev</i> 15, no. 3 (2006): 407-21.
527	Alishch, R. S., J. L. Garcia-Perez, A. R. Muotri, F. H. Gage , and J. V. Moran. "Unconventional Translation of Mammalian Line-1 Retrotransposons." <i>Genes Dev</i> 20, no. 2 (2006): 210-24.
526	Aimone, J. B., J. Wiles, and F. H. Gage . "Potential Role for Adult Neurogenesis in the Encoding of Time in New Memories." <i>Nat Neurosci</i> 9, no. 6 (2006): 723-7.
525	Zupanc, G. K., K. Hinsch, and F. H. Gage . "Proliferation, Migration, Neuronal Differentiation, and Long-Term Survival of New Cells in the Adult Zebrafish Brain." <i>J Comp Neurol</i> 488, no. 3 (2005): 290-319.
524	van Praag, H., T. Shubert, C. Zhao, and F. H. Gage . "Exercise Enhances Learning and Hippocampal Neurogenesis in Aged Mice." <i>J Neurosci</i> 25, no. 38 (2005): 8680-5.
523	Singer, O., R. A. Marr, E. Rockenstein, L. Crews, N. G. Coufal, F. H. Gage , I. M. Verma, and E. Masliah. "Targeting Bace1 with Sirnas Ameliorates Alzheimer Disease Neuropathology in a Transgenic Model." <i>Nat Neurosci</i> 8, no. 10 (2005): 1343-9.
522	Scheel, J. R., J. Ray, F. H. Gage , and C. Barlow. "Quantitative Analysis of Gene Expression in Living Adult Neural Stem Cells by Gene Trapping." <i>Nat Methods</i> 2, no. 5 (2005): 363-70.
521	Myers, C. P., J. W. Lewcock, M. G. Hanson, S. Gosgnach, J. B. Aimone, F. H. Gage , K. F. Lee, L. T. Landmesser, and S. L. Pfaff. "Cholinergic Input Is Required During Embryonic Development to Mediate Proper Assembly of Spinal Locomotor Circuits." <i>Neuron</i> 46, no. 1 (2005): 37-49.
520	Muotri, A. R., K. Nakashima, N. Toni, V. M. Sandler, and F. H. Gage . "Development of Functional Human Embryonic Stem Cell-Derived Neurons in Mouse Brain." <i>Proc Natl Acad Sci U S A</i> 102, no. 51 (2005): 18644-8.
519	Muotri, A. R., V. T. Chu, M. C. Marchetto, W. Deng, J. V. Moran, and F. H. Gage . "Somatic Mosaicism in Neuronal Precursor Cells Mediated by L1 Retrotransposition." <i>Nature</i> 435, no. 7044 (2005): 903-10.
518	Miller, T. M., B. K. Kaspar, G. J. Kops, K. Yamanaka, L. J. Christian, F. H. Gage , and D. W. Cleveland. "Virus-Delivered Small Rna Silencing Sustains Strength in Amyotrophic Lateral Sclerosis." <i>Ann Neurol</i> 57, no. 5 (2005): 773-6.
517	Lin, W., B. Dominguez, J. Yang, P. Aryal, E. P. Brandon, F. H. Gage , and K. F. Lee. "Neurotransmitter Acetylcholine Negatively Regulates Neuromuscular Synapse Formation by a Cdk5-Dependent Mechanism." <i>Neuron</i> 46, no. 4 (2005): 569-79.
516	Lilley, C. E., C. T. Carson, A. R. Muotri, F. H. Gage , and M. D. Weitzman. "DNA Repair Proteins Affect the Lifecycle of Herpes Simplex Virus 1." <i>Proc Natl Acad Sci U S A</i> 102, no. 16 (2005): 5844-9.
515	Lie, D. C., S. A. Colamarino, H. J. Song, L. Desire, H. Mira, A. Consiglio, E. S. Lein, S. Jessberger, H. Lansford, A. R. Dearie, and F. H. Gage . "Wnt Signalling Regulates Adult Hippocampal Neurogenesis." <i>Nature</i> 437, no. 7063 (2005): 1370-5.
514	Lein, E. S., E. M. Callaway, T. D. Albright, and F. H. Gage . "Redefining the Boundaries of the Hippocampal Ca2

	Subfield in the Mouse Using Gene Expression and 3-Dimensional Reconstruction." <i>J Comp Neurol</i> 485, no. 1 (2005): 1-10.
513	Kuwabara, T., J. Hsieh, K. Nakashima, M. Warashina, K. Taira, and F. H. Gage . "The Nrse Smrna Specifies the Fate of Adult Hippocampal Neural Stem Cells." <i>Nucleic Acids Symp Ser (Oxf)</i> , no. 49 (2005): 87-8.
512	Kaspar, B. K., L. M. Frost, L. Christian, P. Umapathi, and F. H. Gage . "Synergy of Insulin-Like Growth Factor-1 and Exercise in Amyotrophic Lateral Sclerosis." <i>Ann Neurol</i> 57, no. 5 (2005): 649-55.
511	Hsieh, J., and F. H. Gage . "Chromatin Remodeling in Neural Development and Plasticity." <i>Curr Opin Cell Biol</i> 17, no. 6 (2005): 664-71.
510	Genoud, S., I. Maricic, V. Kumar, and F. H. Gage . "Targeted Expression of Igf-1 in the Central Nervous System Fails to Protect Mice from Experimental Autoimmune Encephalomyelitis." <i>J Neuroimmunol</i> 168, no. 1-2 (2005): 40-5.
509	Galimi, F., R. G. Summers, H. van Praag, I. M. Verma, and F. H. Gage . "A Role for Bone Marrow-Derived Cells in the Vasculature of Noninjured Cns." <i>Blood</i> 105, no. 6 (2005): 2400-2.
506	Gage, F. H. and A. K. McAllister. "Neuronal and Glial Cell Biology." <i>Curr Opin Neurobiol</i> 15, no. 5 (2005): 497-9.
505	Cummings, B. J., N. Uchida, S. J. Tamaki, D. L. Salazar, M. Hooshmand, R. Summers, F. H. Gage , and A. J. Anderson. "Human Neural Stem Cells Differentiate and Promote Locomotor Recovery in Spinal Cord-Injured Mice." <i>Proc Natl Acad Sci U S A</i> 102, no. 39 (2005): 14069-74.
504	Aigner, S., and F. H. Gage . "A Small Gem with Great Powers: Geminin Keeps Neural Progenitors Thriving." <i>Dev Cell</i> 9, no. 2 (2005): 171-2.
503	Wurmser, A. E., T. D. Palmer, and F. H. Gage . "Neuroscience. Cellular Interactions in the Stem Cell Niche." <i>Science</i> 304, no. 5675 (2004): 1253-5.
502	Wurmser, A. E., K. Nakashima, R. G. Summers, N. Toni, K. A. D'Amour, D. C. Lie, and F. H. Gage . "Cell Fusion-Independent Differentiation of Neural Stem Cells to the Endothelial Lineage." <i>Nature</i> 430, no. 6997 (2004): 350-6.
501	Shihabuddin, L. S., S. Numan, M. R. Huff, J. C. Dodge, J. Clarke, S. L. Macauley, W. Yang, T. V. Taksir, G. Parsons, M. A. Passini, F. H. Gage , and G. R. Stewart. "Intracerebral Transplantation of Adult Mouse Neural Progenitor Cells into the Niemann-Pick-a Mouse Leads to a Marked Decrease in Lysosomal Storage Pathology." <i>J Neurosci</i> 24, no. 47 (2004): 10642-51.
500	Shi, Y., D. Chichung Lie, P. Taupin, K. Nakashima, J. Ray, R. T. Yu, F. H. Gage , and R. M. Evans. "Expression and Function of Orphan Nuclear Receptor Tlx in Adult Neural Stem Cells." <i>Nature</i> 427, no. 6969 (2004): 78-83.
499	Schinder, A. F., and F. H. Gage . "A Hypothesis About the Role of Adult Neurogenesis in Hippocampal Function." <i>Physiology (Bethesda)</i> 19 (2004): 253-61.
498	Schaffer, D. V., and F. H. Gage . "Neurogenesis and Neuroadaptation." <i>Neuromolecular Med</i> 5, no. 1 (2004): 1-9.
497	Pizzo, D. P., V. Paban, N. G. Coufal, F. H. Gage , and L. J. Thal. "Long-Term Production of Choline Acetyltransferase in the Cns after Transplantation of Fibroblasts Modified with a Regulatable Vector." <i>Brain Res Mol Brain Res</i> 126, no. 1 (2004): 1-13.
496	Nakashima, K., S. Colamarino, and F. H. Gage . "Embryonic Stem Cells: Staying Plastic on Plastic." <i>Nat Med</i> 10, no. 1 (2004): 23-4.
495	Marr, R. A., H. Guan, E. Rockenstein, M. Kindy, F. H. Gage , I. Verma, E. Masliah, and L. B. Hersh. "Nepriylsin Regulates Amyloid Beta Peptide Levels." <i>J Mol Neurosci</i> 22, no. 1-2 (2004): 5-11.
494	Markakis, E. A., T. D. Palmer, L. Randolph-Moore, P. Rakic, and F. H. Gage . "Novel Neuronal Phenotypes from Neural Progenitor Cells." <i>J Neurosci</i> 24, no. 12 (2004): 2886-97.
493	Lie, D. C., H. Song, S. A. Colamarino, G. L. Ming, and F. H. Gage . "Neurogenesis in the Adult Brain: New Strategies for Central Nervous System Diseases." <i>Annu Rev Pharmacol Toxicol</i> 44 (2004): 399-421.
492	Lein, E. S., X. Zhao, and F. H. Gage . "Defining a Molecular Atlas of the Hippocampus Using DNA Microarrays and High-Throughput in Situ Hybridization." <i>J Neurosci</i> 24, no. 15 (2004): 3879-89.
491	Kuwabara, T., J. Hsieh, K. Nakashima, K. Taira, and F. H. Gage . "A Small Modulatory Dsrna Specifies the Fate of Adult Neural Stem Cells." <i>Cell</i> 116, no. 6 (2004): 779-93.
490	Kempermann, G., L. Wiskott, and F. H. Gage . "Functional Significance of Adult Neurogenesis." <i>Curr Opin Neurobiol</i> 14, no. 2 (2004): 186-91.
489	Hsieh, J., K. Nakashima, T. Kuwabara, E. Mejia, and F. H. Gage . "Histone Deacetylase Inhibition-Mediated Neuronal Differentiation of Multipotent Adult Neural Progenitor Cells." <i>Proc Natl Acad Sci U S A</i> 101, no. 47 (2004): 16659-64.
488	Hsieh, J., and F. H. Gage . "Epigenetic Control of Neural Stem Cell Fate." <i>Curr Opin Genet Dev</i> 14, no. 5 (2004): 461-9.

487	Hsieh, J., J. B. Aimone, B. K. Kaspar, T. Kuwabara, K. Nakashima, and F. H. Gage . "Igf-I Instructs Multipotent Adult Neural Progenitor Cells to Become Oligodendrocytes." <i>J Cell Biol</i> 164, no. 1 (2004): 111-22.
486	Hashimoto, M., E. Rockenstein, M. Mante, L. Crews, P. Bar-On, F. H. Gage , R. Marr, and E. Masliah. "An Antiaggregation Gene Therapy Strategy for Lewy Body Disease Utilizing Beta-Synuclein Lentivirus in a Transgenic Model." <i>Gene Ther</i> 11, no. 23 (2004): 1713-23.
485	Gage, F.H. "Structural Plasticity of the Adult Brain." <i>Dialogues in Clinical Neuroscience</i> 6, no. 2 (2004).
484	Farmer, J., X. Zhao, H. van Praag, K. Wodtke, F. H. Gage , and B. R. Christie. "Effects of Voluntary Exercise on Synaptic Plasticity and Gene Expression in the Dentate Gyrus of Adult Male Sprague-Dawley Rats in Vivo." <i>Neuroscience</i> 124, no. 1 (2004): 71-9.
483	Consiglio, A., A. Gritti, D. Dolcetta, A. Follenzi, C. Bordignon, F. H. Gage , A. L. Vescovi, and L. Naldini. "Robust in Vivo Gene Transfer into Adult Mammalian Neural Stem Cells by Lentiviral Vectors." <i>Proc Natl Acad Sci U S A</i> 101, no. 41 (2004): 14835-40.
482	Chin, V. I., P. Taupin, S. Sanga, J. Scheel, F. H. Gage , and S. N. Bhatia. "Microfabricated Platform for Studying Stem Cell Fates." <i>Biotechnol Bioeng</i> 88, no. 3 (2004): 399-415.
481	Brandon, E. P., T. Mellott, D. P. Pizzo, N. Coufal, K. A. D'Amour, K. Gobeske, M. Lortie, I. Lopez-Coviella, B. Berse, L. J. Thal, F. H. Gage , and J. K. Blusztajn. "Choline Transporter 1 Maintains Cholinergic Function in Choline Acetyltransferase Haploinsufficiency." <i>J Neurosci</i> 24, no. 24 (2004): 5459-66.
480	Aimone, J. B., J. L. Leasure, V. M. Perreau, M. Thallmair, and Christopher Reeve Paralysis Foundation. "Spatial and Temporal Gene Expression Profiling of the Contused Rat Spinal Cord." <i>Experimental Neurology</i> 189, no. 2 (2004).
479	Aimone, J. B., and F. H. Gage . "Unbiased Characterization of High-Density Oligonucleotide Microarrays Using Probe-Level Statistics." <i>J Neurosci Methods</i> 135, no. 1-2 (2004): 27-33.
478	Zhao, X., T. Ueba, B. R. Christie, B. Barkho, M. J. McConnell, K. Nakashima, E. S. Lein, B. D. Eadie, A. R. Willhoite, A. R. Muotri, R. G. Summers, J. Chun, K. F. Lee, and F. H. Gage . "Mice Lacking Methyl-Cpg Binding Protein 1 Have Deficits in Adult Neurogenesis and Hippocampal Function." <i>Proc Natl Acad Sci U S A</i> 100, no. 11 (2003): 6777-82.
477	South, S. M., T. Kohno, B. K. Kaspar, D. Hegarty, B. Vissel, C. T. Drake, M. Ohata, S. Jenab, A. W. Sailer, S. Malkmus, T. Masuyama, P. Horner, J. Bogulavsky, F. H. Gage , T. L. Yaksh, C. J. Woolf, S. F. Heinemann, and C. E. Inturrisi. "A Conditional Deletion of the Nr1 Subunit of the Nmda Receptor in Adult Spinal Cord Dorsal Horn Reduces Nmda Currents and Injury-Induced Pain." <i>J Neurosci</i> 23, no. 12 (2003): 5031-40.
476	Scheel, J. R., L. J. Garrett, D. M. Allen, T. A. Carter, L. Randolph-Moore, M. J. Gambello, F. H. Gage , A. Wynshaw-Boris, and C. Barlow. "An Inbred 129svev Gfpcre Transgenic Mouse That Deletes Loxp-Flanked Genes in All Tissues." <i>Nucleic Acids Res</i> 31, no. 10 (2003): e57.
475	Rhodes, J. S., H. van Praag, S. Jeffrey, I. Girard, G. S. Mitchell, T. Garland, Jr., and F. H. Gage . "Exercise Increases Hippocampal Neurogenesis to High Levels but Does Not Improve Spatial Learning in Mice Bred for Increased Voluntary Wheel Running." <i>Behav Neurosci</i> 117, no. 5 (2003): 1006-16.
474	Muotri, A. R., and F. H. Gage . "Vibrating in the Background." <i>Nat Genet</i> 35, no. 3 (2003): 205-7.
473	Marr, R. A., E. Rockenstein, A. Mukherjee, M. S. Kindy, L. B. Hersh, F. H. Gage , I. M. Verma, and E. Masliah. "Nepilysin Gene Transfer Reduces Human Amyloid Pathology in Transgenic Mice." <i>J Neurosci</i> 23, no. 6 (2003): 1992-6.
472	Lai, K., B. K. Kaspar, F. H. Gage , and D. V. Schaffer. "Sonic Hedgehog Regulates Adult Neural Progenitor Proliferation in Vitro and in Vivo." <i>Nat Neurosci</i> 6, no. 1 (2003): 21-7.
471	Klassen, H. J., K. L. Imfeld, Kirov, II, L. Tai, F. H. Gage , M. J. Young, and M. A. Berman. "Expression of Cytokines by Multipotent Neural Progenitor Cells." <i>Cytokine</i> 22, no. 3-4 (2003): 101-6.
470	Klassen, H., K. L. Imfeld, J. Ray, M. J. Young, F. H. Gage , and M. A. Berman. "The Immunological Properties of Adult Hippocampal Progenitor Cells." <i>Vision Res</i> 43, no. 8 (2003): 947-56.
469	Kempermann, G., D. Gast, G. Kronenberg, M. Yamaguchi, and F. H. Gage . "Early Determination and Long-Term Persistence of Adult-Generated New Neurons in the Hippocampus of Mice." <i>Development</i> 130, no. 2 (2003): 391-9.
468	Kaspar, B. K., J. Llado, N. Sherkat, J. D. Rothstein, and F. H. Gage . "Retrograde Viral Delivery of Igf-1 Prolongs Survival in a Mouse Als Model." <i>Science</i> 301, no. 5634 (2003): 839-42.
467	Gage, F. H. and I. M. Verma. "Stem Cells at the Dawn of the 21st Century." <i>Proc Natl Acad Sci U S A</i> 100 Suppl 1 (2003): 11817-8.
466	Gage, F. H. "Brain, Repair Yourself." <i>Sci Am</i> 289, no. 3 (2003): 46-53.
465	Dziewczapolski, G., D. C. Lie, J. Ray, F. H. Gage , and C. W. Shults. "Survival and Differentiation of Adult Rat-Derived Neural Progenitor Cells Transplanted to the Striatum of Hemiparkinsonian Rats." <i>Exp Neurol</i> 183, no. 2

	(2003): 653-64.
464	Dickinson-Anson, H., J. Winkler, L. J. Fisher, H. J. Song, M. Poo, and F. H. Gage . "Acetylcholine-Secreting Cells Improve Age-Induced Memory Deficits." <i>Mol Ther</i> 8, no. 1 (2003): 51-61
463	D'Amour, K. A., and F. H. Gage . "Genetic and Functional Differences between Multipotent Neural and Pluripotent Embryonic Stem Cells." <i>Proc Natl Acad Sci U S A</i> 100 Suppl 1 (2003): 11866-72.
462	Brown, J., C. M. Cooper-Kuhn, G. Kempermann, H. Van Praag, J. Winkler, F. H. Gage , and H. G. Kuhn. "Enriched Environment and Physical Activity Stimulate Hippocampal but Not Olfactory Bulb Neurogenesis." <i>Eur J Neurosci</i> 17, no. 10 (2003): 2042-6.
461	Brivanlou, A. H., F. H. Gage , R. Jaenisch, T. Jessell, D. Melton, and J. Rossant. "Stem Cells. Setting Standards for Human Embryonic Stem Cells." <i>Science</i> 300, no. 5621 (2003): 913-6.
460	Brandon, E. P., W. Lin, K. A. D'Amour, D. P. Pizzo, B. Dominguez, Y. Sugiura, S. Thode, C. P. Ko, L. J. Thal, F. H. Gage , and K. F. Lee. "Aberrant Patterning of Neuromuscular Synapses in Choline Acetyltransferase-Deficient Mice." <i>J Neurosci</i> 23, no. 2 (2003): 539-49.
459	Arvanian, V. L., P. J. Horner, F. H. Gage , and L. M. Mendell. "Chronic Neurotrophin-3 Strengthens Synaptic Connections to Motoneurons in the Neonatal Rat." <i>J Neurosci</i> 23, no. 25 (2003): 8706-12.
458	Aberg, M. A., N. D. Aberg, T. D. Palmer, A. M. Alborn, C. Carlsson-Skwirut, P. Bang, L. E. Rosengren, T. Olsson, F. H. Gage , and P. S. Eriksson. "Igf-I Has a Direct Proliferative Effect in Adult Hippocampal Progenitor Cells." <i>Mol Cell Neurosci</i> 24, no. 1 (2003): 23-40.
457	Zhao, X., and F. H. Gage . "Expressing the Central Nervous System." <i>Neurochem Res</i> 27, no. 10 (2002): 953-4.
456	Wurmser, A. E., and F. H. Gage . "Stem Cells: Cell Fusion Causes Confusion." <i>Nature</i> 416, no. 6880 (2002): 485-7.
455	van Praag, H., A. F. Schinder, B. R. Christie, N. Toni, T. D. Palmer, and F. H. Gage . "Functional Neurogenesis in the Adult Hippocampus." <i>Nature</i> 415, no. 6875 (2002): 1030-4.
454	van Praag, H., and F. H. Gage . "Genetics of Childhood Disorders: Xxxvi. Stem Cell Research, Part 1: New Neurons in the Adult Brain." <i>J Am Acad Child Adolesc Psychiatry</i> 41, no. 3 (2002): 354-6.
453	Vallieres, L., I. L. Campbell, F. H. Gage , and P. E. Sawchenko. "Reduced Hippocampal Neurogenesis in Adult Transgenic Mice with Chronic Astrocytic Production of Interleukin-6." <i>J Neurosci</i> 22, no. 2 (2002): 486-92.
452	Taupin, P., and F. H. Gage . "Adult Neurogenesis and Neural Stem Cells of the Central Nervous System in Mammals." <i>J Neurosci Res</i> 69, no. 6 (2002): 745-9.
451	Tamaki, S. J., K. Eckert, D. He, R. Sutton, M. Doshe, G. Jain, R. Tushinski, M. Reitsma, B. Harris, A. Tsukamoto, F.H. Gage, I. L. Weissman, and N. Uchida. "Engraftment of Sorted/Expanded Human Central Nervous System Stem Cells from Fetal Brain." <i>Journal of Neuroscience Research</i> 69 (2002): 976-986.
450	Song, H. J., C. F. Stevens, and F. H. Gage . "Neural Stem Cells from Adult Hippocampus Develop Essential Properties of Functional Cns Neurons." <i>Nat Neurosci</i> 5, no. 5 (2002): 438-45.
449	Song, H., C. F. Stevens, and F. H. Gage . "Astroglia Induce Neurogenesis from Adult Neural Stem Cells." <i>Nature</i> 417, no. 6884 (2002): 39-44.
448	Lie, D. C., G. Dziewczapolski, A. R. Willhoite, B. K. Kaspar, C. W. Shults, and F. H. Gage . "The Adult Substantia Nigra Contains Progenitor Cells with Neurogenic Potential." <i>J Neurosci</i> 22, no. 15 (2002): 6639-49.
447	Kempermann, G., D. Gast, and F. H. Gage . "Neuroplasticity in Old Age: Sustained Fivefold Induction of Hippocampal Neurogenesis by Long-Term Environmental Enrichment." <i>Ann Neurol</i> 52, no. 2 (2002): 135-43.
446	Kempermann, G., and F. H. Gage . "Genetic Determinants of Adult Hippocampal Neurogenesis Correlate with Acquisition, but Not Probe Trial Performance, in the Water Maze Task." <i>Eur J Neurosci</i> 16, no. 1 (2002): 129-36
445	Kempermann, G., and F.H. Gage. "Genetic Influence on Phenotypic Differentiation in Adult Hippocampal Neurogenesis." <i>Brain Res Dev Brain Res</i> 134, no. 1-2 (2002): 1-12.
444	Kempermann, G. , and F. H. Gage . "New Nerve Cells for the Adult Brain (Updated from the May 1999 Issue)." <i>Scientific American</i> 12, no. 1 (2002): 38-44.
443	Kaspar, B. K., B. Vissel, T. Bengoechea, S. Crone, L. Randolph-Moore, R. Muller, E. P. Brandon, D. Schaffer, I. M. Verma, K. F. Lee, S. F. Heinemann, and F. H. Gage . "Adeno-Associated Virus Effectively Mediates Conditional Gene Modification in the Brain." <i>Proc Natl Acad Sci U S A</i> 99, no. 4 (2002): 2320-5.
442	Kaspar, B. K., D. Erickson, D. Schaffer, L. Hinh, F. H. Gage , and D. A. Peterson. "Targeted Retrograde Gene Delivery for Neuronal Protection." <i>Mol Ther</i> 5, no. 1 (2002): 50-6.
441	Horner, P. J., M. Thallmair, and F. H. Gage . "Defining the Ng2-Expressing Cell of the Adult Cns." <i>J Neurocytol</i> 31, no. 6-7 (2002): 469-80.
440	Horner, P. J., and F. H. Gage . "Regeneration in the Adult and Aging Brain." <i>Arch Neurol</i> 59, no. 11 (2002): 1717-20.
439	Gage, F.H., and H. van Praag. "Neurogenesis in Adult Brain." In <i>Neuropharmacology, the Fifth Generation of</i>

	<i>Progress.</i> , edited by K.L. Davis, D. Charney, J.T. Coyle and G. Nemeroff, 109-117: Lippincott Williams and Wilkins, The American College of Neuropsychopharmacology, 2002.
438	Gage, F. H. "Neurogenesis in the Adult Brain." <i>J Neurosci</i> 22, no. 3 (2002): 612-3.
437	D'Amour, K. A., and F. H. Gage. "Are Somatic Stem Cells Pluripotent or Lineage-Restricted?" <i>Nat Med</i> 8, no. 3 (2002): 213-4.
436	Zhao, X., E. S. Lein, A. He, S. C. Smith, C. Aston, and F. H. Gage. "Transcriptional Profiling Reveals Strict Boundaries between Hippocampal Subregions." <i>J Comp Neurol</i> 441, no. 3 (2001): 187-96.
435	Weissman, I.L., D.J. Anderson, and F.H. Gage. "Stem and Progenitor Cells: Origins, Phenotypes, Lineage Commitments, and Transdifferentiation." <i>Annu Rev Cell Dev Biol</i> 17 (2001): 387-403.
434	van Praag, H., C. Barlow, and F. H. Gage. "Are Drug Targets Missed Owing to Lack of Physical Activity? - Reply." <i>Drug Discov Today</i> 6, no. 12 (2001): 615-617.
433	Suhr, S. T., M. C. Senut, J. P. Whitelegge, K. F. Faull, D. B. Cuizon, and F. H. Gage. "Identities of Sequestered Proteins in Aggregates from Cells with Induced Polyglutamine Expression." <i>J Cell Biol</i> 153, no. 2 (2001): 283-94.
432	Ray, J., and F. H. Gage. "Construction of Cells Expressing Neurotrophins." <i>Methods Mol Biol</i> 169 (2001): 115-33.
431	Pfeifer, A., E. P. Brandon, N. Kootstra, F. H. Gage, and I. M. Verma. "Delivery of the Cre Recombinase by a Self-Deleting Lentiviral Vector: Efficient Gene Targeting in Vivo." <i>Proc Natl Acad Sci U S A</i> 98, no. 20 (2001): 11450-5.
430	Palmer, T. D., P. H. Schwartz, P. Taupin, B. Kaspar, S. A. Stein, and F. H. Gage. "Cell Culture. Progenitor Cells from Human Brain after Death." <i>Nature</i> 411, no. 6833 (2001): 42-3.
429	Matsuura, N., D. C. Lie, M. Hoshimaru, M. Asahi, M. Hojo, R. Ishizaki, N. Hashimoto, S. Noji, H. Ohuchi, H. Yoshioka, and F. H. Gage. "Sonic Hedgehog Facilitates Dopamine Differentiation in the Presence of a Mesencephalic Glial Cell Line." <i>J Neurosci</i> 21, no. 12 (2001): 4326-35.
428	Chu, V. T., and F. H. Gage. "Chipping Away at Stem Cells." <i>Proc Natl Acad Sci U S A</i> 98, no. 14 (2001): 7652-3.
427	Anderson, D. J., F. H. Gage, and I. L. Weissman. "Can Stem Cells Cross Lineage Boundaries?" <i>Nat Med</i> 7, no. 4 (2001): 393-5.
426	Allen, D. M., H. van Praag, J. Ray, Z. Weaver, C. J. Winrow, T. A. Carter, R. Braquet, E. Harrington, T. Ried, K. D. Brown, F. H. Gage, and C. Barlow. "Ataxia Telangiectasia Mutated Is Essential During Adult Neurogenesis." <i>Genes Dev</i> 15, no. 5 (2001): 554-66.
425	Zoghbi, H. Y., F. H. Gage, and D. W. Choi. "Neurobiology of Disease." <i>Curr Opin Neurobiol</i> 10, no. 5 (2000): 655-60.
424	Young, M. J., J. Ray, S. J. Whiteley, H. Klassen, and F. H. Gage. "Neuronal Differentiation and Morphological Integration of Hippocampal Progenitor Cells Transplanted to the Retina of Immature and Mature Dystrophic Rats." <i>Mol Cell Neurosci</i> 16, no. 3 (2000): 197-205.
423	Verma, I. M., and F. H. Gage. "Genome and Gene Therapy." <i>Mol Ther</i> 2, no. 2 (2000): 95.
422	van Praag, H., G. Kempermann, and F. H. Gage. "Neural Consequences of Environmental Enrichment." <i>Nat Rev Neurosci</i> 1, no. 3 (2000): 191-8.
421	Uchida, N., D. W. Buck, D. He, M. J. Reitsma, M. Masek, T. V. Phan, A. S. Tsukamoto, F. H. Gage, and I. L. Weissman. "Direct Isolation of Human Central Nervous System Stem Cells." <i>Proc Natl Acad Sci U S A</i> 97, no. 26 (2000): 14720-5.
420	Taupin, P., J. Ray, W. H. Fischer, S. T. Suhr, K. Hakansson, A. Grubb, and F. H. Gage. "Fgf-2-Responsive Neural Stem Cell Proliferation Requires Ccg, a Novel Autocrine/Paracrine Cofactor." <i>Neuron</i> 28, no. 2 (2000): 385-97.
419	Shults, C. W., J. Ray, K. Tsuboi, and F. H. Gage. "Fibroblast Growth Factor-2-Producing Fibroblasts Protect the Nigrostriatal Dopaminergic System from 6-Hydroxydopamine." <i>Brain Res</i> 883, no. 2 (2000): 192-204.
418	Shihabuddin, L. S., P. J. Horner, J. Ray, and F. H. Gage. "Adult Spinal Cord Stem Cells Generate Neurons after Transplantation in the Adult Dentate Gyrus." <i>J Neurosci</i> 20, no. 23 (2000): 8727-35.
417	Senut, M. C., S. T. Suhr, B. Kaspar, and F. H. Gage. "Intraneuronal Aggregate Formation and Cell Death after Viral Expression of Expanded Polyglutamine Tracts in the Adult Rat Brain." <i>J Neurosci</i> 20, no. 1 (2000): 219-29.
416	Palmer, T. D., A. R. Willhoite, and F. H. Gage. "Vascular Niche for Adult Hippocampal Neurogenesis." <i>J Comp Neurol</i> 425, no. 4 (2000): 479-94.
415	Kempermann, G., H. van Praag, and F. H. Gage. "Activity-Dependent Regulation of Neuronal Plasticity and Self Repair." <i>Prog Brain Res</i> 127 (2000): 35-48.
414	Kempermann, G., and F. H. Gage. "Neurogenesis in the Adult Hippocampus." <i>Novartis Found Symp</i> 231 (2000): 220-35; discussion 235-41, 302-6.
413	Kafri, T., H. van Praag, F. H. Gage, and I. M. Verma. "Lentiviral Vectors: Regulated Gene Expression." <i>Mol Ther</i> 1, no. 6 (2000): 516-21.

412	Jacobs, B.L., H. Van Praag, and F.H. Gage. "Depression and the Birth and Death of Brain Cells." <i>American Scientist</i> 88 (2000): 340-345.
411	Jacobs, B. L., H. Praag, and F. H. Gage . "Adult Brain Neurogenesis and Psychiatry: A Novel Theory of Depression." <i>Mol Psychiatry</i> 5, no. 3 (2000): 262-9.
410	Horner, P. J., A. E. Power, G. Kempermann, H. G. Kuhn, T. D. Palmer, J. Winkler, L. J. Thal, and F. H. Gage . "Proliferation and Differentiation of Progenitor Cells Throughout the Intact Adult Rat Spinal Cord." <i>J Neurosci</i> 20, no. 6 (2000): 2218-28.
409	Horner, P. J., and F. H. Gage . "Regenerating the Damaged Central Nervous System." <i>Nature</i> 407, no. 6807 (2000): 963-70.
408	Gage, F. H. "Structural Plasticity: Cause, Result, or Correlate of Depression." <i>Biol Psychiatry</i> 48, no. 8 (2000): 713-4.
407	Gage, F.H. "Mammalian Neural Stem Cells." <i>Science</i> 287, no. 5457 (2000): 1433-8.
406	D'Amour, K., and F. H. Gage . "New Tools for Human Developmental Biology." <i>Nat Biotechnol</i> 18, no. 4 (2000): 381-2.
405	van Praag, H., G. Kempermann, and F. H. Gage . "Running Increases Cell Proliferation and Neurogenesis in the Adult Mouse Dentate Gyrus." <i>Nat Neurosci</i> 2, no. 3 (1999): 266-70.
404	van Praag, H., B. R. Christie, T. J. Sejnowski, and F. H. Gage . "Running Enhances Neurogenesis, Learning, and Long-Term Potentiation in Mice." <i>Proc Natl Acad Sci U S A</i> 96, no. 23 (1999): 13427-31.
403	Ueba, T., B. Kaspar, X. Zhao, and F. H. Gage . "Repression of Human Fibroblast Growth Factor 2 by a Novel Transcription Factor." <i>J Biol Chem</i> 274, no. 15 (1999): 10382-7.
402	Takahashi, M., H. Miyoshi, I. M. Verma, and F. H. Gage . "Rescue from Photoreceptor Degeneration in the Rd Mouse by Human Immunodeficiency Virus Vector-Mediated Gene Transfer." <i>J Virol</i> 73, no. 9 (1999): 7812-6.
401	Takahashi, J., T. D. Palmer, and F. H. Gage . "Retinoic Acid and Neurotrophins Collaborate to Regulate Neurogenesis in Adult-Derived Neural Stem Cell Cultures." <i>J Neurobiol</i> 38, no. 1 (1999): 65-81.
400	Suhr, S. T., and F. H. Gage . "Gene Therapy in the Central Nervous System: The Use of Recombinant Retroviruses." <i>Arch Neurol</i> 56, no. 3 (1999): 287-92.
399	Steward, O., P. E. Schauwecker, L. Guth, Z. Zhang, M. Fujiki, D. Inman, J. Wrathall, G. Kempermann, F. H. Gage , K. E. Saatman, R. Raghupathi, and T. McIntosh. "Genetic Approaches to Neurotrauma Research: Opportunities and Potential Pitfalls of Murine Models." <i>Exp Neurol</i> 157, no. 1 (1999): 19-42.
398	Spain, B. H., C. J. Larson, L. S. Shihabuddin, F. H. Gage , and I. M. Verma. "Truncated Brca2 Is Cytoplasmic: Implications for Cancer-Linked Mutations." <i>Proc Natl Acad Sci U S A</i> 96, no. 24 (1999): 13920-5.
397	Smith, D. E., J. Roberts, F. H. Gage , and M. H. Tuszynski. "Age-Associated Neuronal Atrophy Occurs in the Primate Brain and Is Reversible by Growth Factor Gene Therapy." <i>Proc Natl Acad Sci U S A</i> 96, no. 19 (1999): 10893-8.
396	Shihabuddin, L. S., J. Ray, and F. H. Gage . "Stem Cell Technology for Basic Science and Clinical Applications." <i>Arch Neurol</i> 56, no. 1 (1999): 29-32.
395	Shihabuddin, L. S., T. D. Palmer, and F. H. Gage . "The Search for Neural Progenitor Cells: Prospects for the Therapy of Neurodegenerative Disease." <i>Mol Med Today</i> 5, no. 11 (1999): 474-80.
394	Senut, M. C., and F. H. Gage . "Prenatal Gene Therapy: Can the Technical Hurdles Be Overcome?" <i>Mol Med Today</i> 5, no. 4 (1999): 152-6.
393	Senut, M-C., S.T. Suhr, and F.H. Gage. "Gene Transfer and Therapy in the Cns." In <i>Techniques in the Behavioral and Neural Sciences Vol. 13</i> , edited by W.E. Crusio and R.T. Gerlai, 395-411: Elsevier Science B.V., 1999.
392	Sakurada, K., M. Ohshima-Sakurada, T. D. Palmer, and F. H. Gage . "Nurr1, an Orphan Nuclear Receptor, Is a Transcriptional Activator of Endogenous Tyrosine Hydroxylase in Neural Progenitor Cells Derived from the Adult Brain." <i>Development</i> 126, no. 18 (1999): 4017-26.
391	Sailer, A., G. T. Swanson, I. Perez-Otano, L. O'Leary, S. A. Malkmus, R. H. Dyck, H. Dickinson-Anson, H. H. Schiffer, C. Maron, T. L. Yaksh, F. H. Gage , S. O'Gorman, and S. F. Heinemann. "Generation and Analysis of Glur5(Q636r) Kainate Receptor Mutant Mice." <i>J Neurosci</i> 19, no. 20 (1999): 8757-64.
390	Ray, J., and F.H. Gage. "Brain Grafts, Genetic Engineering." In <i>Elsevier's Encyclopedia of Neuroscience</i> , edited by G. Adelman and H. Smith, 265-269: Elsevier Science B.V., 1999.
389	Peterson, D. A., H. A. Dickinson-Anson, J. T. Leppert, K. F. Lee, and F. H. Gage . "Central Neuronal Loss and Behavioral Impairment in Mice Lacking Neurotrophin Receptor P75." <i>J Comp Neurol</i> 404, no. 1 (1999): 1-20.
388	Palmer, T. D., E. A. Markakis, A. R. Willhoite, F. Safar, and F. H. Gage . "Fibroblast Growth Factor-2 Activates a Latent Neurogenic Program in Neural Stem Cells from Diverse Regions of the Adult Cns." <i>J Neurosci</i> 19, no. 19 (1999): 8487-97.

387	Markakis, E. A., and F. H. Gage . "Adult-Generated Neurons in the Dentate Gyrus Send Axonal Projections to Field Ca3 and Are Surrounded by Synaptic Vesicles." <i>J Comp Neurol</i> 406, no. 4 (1999): 449-60.
386	Mandel, R. J., F. H. Gage , D. G. Clevenger, S. K. Spratt, R. O. Snyder, and S. E. Leff. "Nerve Growth Factor Expressed in the Medial Septum Following in Vivo Gene Delivery Using a Recombinant Adeno-Associated Viral Vector Protects Cholinergic Neurons from Fimbria-Fornix Lesion-Induced Degeneration." <i>Exp Neurol</i> 155, no. 1 (1999): 59-64.
385	Kempermann, G., and F. H. Gage . "Experience-Dependent Regulation of Adult Hippocampal Neurogenesis: Effects of Long-Term Stimulation and Stimulus Withdrawal." <i>Hippocampus</i> 9, no. 3 (1999): 321-32.
384	Kempermann, G., and F.H. Gage. "New Nerve Cells for the Adult Brain." <i>Sci Am</i> 280, no. 5 (1999): 48-53.
383	Kafri, T., H. van Praag, L. Ouyang, F. H. Gage , and I. M. Verma. "A Packaging Cell Line for Lentivirus Vectors." <i>J Virol</i> 73, no. 1 (1999): 576-84.
382	Winkler, J., L. J. Thal, F. H. Gage , and L. J. Fisher. "Cholinergic Strategies for Alzheimer's Disease." <i>J Mol Med</i> 76, no. 8 (1998): 555-67.
381	Thode, S., H.K. Raymon, and F.H. Gage. "Somatic Gene Transfer and Cell Transplant-Ation Strategies for Neurodegeneration Diseases." In <i>Cell Transplantation for Neurological Disorders: Toward Reconstruction of the Human Central Nervous System</i> , edited by T.B. Freeman and H. Widner, 303-331: Human Press Inc., 1998.
380	Takahashi, M., T. D. Palmer, J. Takahashi, and F. H. Gage . "Widespread Integration and Survival of Adult-Derived Neural Progenitor Cells in the Developing Optic Retina." <i>Mol Cell Neurosci</i> 12, no. 6 (1998): 340-8.
379	Suhr, S. T., E. B. Gil, M. C. Senut, and F. H. Gage . "High Level Transactivation by a Modified Bombyx Ecdysone Receptor in Mammalian Cells without Exogenous Retinoid X Receptor." <i>Proc Natl Acad Sci U S A</i> 95, no. 14 (1998): 7999-8004.
378	Senut, M. C., S. T. Suhr, and F. H. Gage . "Gene Transfer to the Rodent Placenta in Situ. A New Strategy for Delivering Gene Products to the Fetus." <i>J Clin Invest</i> 101, no. 8 (1998): 1565-71.
377	Mulle, C., A. Sailer, I. Perez-Otano, H. Dickinson-Anson, P. E. Castillo, I. Bureau, C. Maron, F. H. Gage , J. R. Mann, B. Bettler, and S. F. Heinemann. "Altered Synaptic Physiology and Reduced Susceptibility to Kainate-Induced Seizures in Glur6-Deficient Mice." <i>Nature</i> 392, no. 6676 (1998): 601-5.
376	Miyoshi, H., U. Blomer, M. Takahashi, F. H. Gage , and I. M. Verma. "Development of a Self-Inactivating Lentivirus Vector." <i>J Virol</i> 72, no. 10 (1998): 8150-7.
375	McTigue, D. M., P. J. Horner, B. T. Stokes, and F. H. Gage . "Neurotrophin-3 and Brain-Derived Neurotrophic Factor Induce Oligodendrocyte Proliferation and Myelination of Regenerating Axons in the Contused Adult Rat Spinal Cord." <i>J Neurosci</i> 18, no. 14 (1998): 5354-65.
374	Kempermann, G., H. G. Kuhn, J. Winkler, and F. H. Gage . "[New Nerve Cells for the Adult Brain. Adult Neurogenesis and Stem Cell Concepts in Neurologic Research]." <i>Nervenarzt</i> 69, no. 10 (1998): 851-7.
373	Kempermann, G., H. G. Kuhn, and F. H. Gage . "Experience-Induced Neurogenesis in the Senescent Dentate Gyrus." <i>J Neurosci</i> 18, no. 9 (1998): 3206-12.
372	Kempermann, G., and F. H. Gage . "Closer to Neurogenesis in Adult Humans." <i>Nat Med</i> 4, no. 5 (1998): 555-7.
371	Kempermann, G., E. P. Brandon, and F. H. Gage . "Environmental Stimulation of 129/Svj Mice Causes Increased Cell Proliferation and Neurogenesis in the Adult Dentate Gyrus." <i>Curr Biol</i> 8, no. 16 (1998): 939-42.
370	Gage, F. H. G. Kempermann, T. D. Palmer, D. A. Peterson, and J. Ray. "Multipotent Progenitor Cells in the Adult Dentate Gyrus." <i>J Neurobiol</i> 36, no. 2 (1998): 249-66.
369	Gage, F. H. "Stem Cells of the Central Nervous System." <i>Curr Opin Neurobiol</i> 8, no. 5 (1998): 671-6.
368	Gage, F.H. "Cell Therapy." <i>Nature</i> 392, no. 6679 Suppl (1998): 18-24.
367	Eriksson, P. S., E. Perfilieva, T. Bjork-Eriksson, A. M. Alborn, C. Nordborg, D. A. Peterson, and F. H. Gage . "Neurogenesis in the Adult Human Hippocampus." <i>Nat Med</i> 4, no. 11 (1998): 1313-7.
366	Dickinson-Anson, H., I. Aubert, F. H. Gage , and L. J. Fisher. "Hippocampal Grafts of Acetylcholine-Producing Cells Are Sufficient to Improve Behavioural Performance Following a Unilateral Fimbria-Fornix Lesion." <i>Neuroscience</i> 84, no. 3 (1998): 771-81.
365	Chiang, M. Y., D. Misner, G. Kempermann, T. Schikorski, V. Giguere, H. M. Sucov, F. H. Gage , C. F. Stevens, and R. M. Evans. "An Essential Role for Retinoid Receptors Rarbeta and Rxgamma in Long-Term Potentiation and Depression." <i>Neuron</i> 21, no. 6 (1998): 1353-61.
364	Blomer, U., T. Kafri, L. Randolph-Moore, I. M. Verma, and F. H. Gage . "Bcl-XI Protects Adult Septal Cholinergic Neurons from Axotomized Cell Death." <i>Proc Natl Acad Sci U S A</i> 95, no. 5 (1998): 2603-8.
363	Berger, F., F. H. Gage , and S. Vijayaraghavan. "Nicotinic Receptor-Induced Apoptotic Cell Death of Hippocampal Progenitor Cells." <i>J Neurosci</i> 18, no. 17 (1998): 6871-81.
362	Aubert, I., J. L. Ridet, M. Schachner, G. Rougon, and F. H. Gage . "Expression of L1 and Psa During Sprouting and

	Regeneration in the Adult Hippocampal Formation." <i>J Comp Neurol</i> 399, no. 1 (1998): 1-19.
361	Winkler, J., G. A. Ramirez, H. G. Kuhn, D. A. Peterson, P. A. Day-Lollini, G. R. Stewart, M. H. Tuszynski, F. H. Gage , and L. J. Thal. "Reversible Schwann Cell Hyperplasia and Sprouting of Sensory and Sympathetic Neurites after Intraventricular Administration of Nerve Growth Factor." <i>Ann Neurol</i> 41, no. 1 (1997): 82-93.
360	Shihabuddin, L. S., J. Ray, and F. H. Gage . "Fgf-2 Is Sufficient to Isolate Progenitors Found in the Adult Mammalian Spinal Cord." <i>Exp Neurol</i> 148, no. 2 (1997): 577-86.
359	Schinstine, M., J. Ray, and F. H. Gage . "Potential Effect of Cytokines on Transgene Expression in Primary Fibroblasts Implanted into the Rat Brain." <i>Brain Res Mol Brain Res</i> 47, no. 1-2 (1997): 195-201.
358	Sah, D. W., J. Ray, and F. H. Gage . "Bipotent Progenitor Cell Lines from the Human Cns." <i>Nat Biotechnol</i> 15, no. 6 (1997): 574-80.
357	Sah, D.W., J. Ray, and F.H. Gage. "Regulation of Voltage- and Ligand-Gated Currents in Rat Hippocampal Progenitor Cells in Vitro." <i>J Neurobiol</i> 32, no. 1 (1997): 95-110.
356	Ridet, J. L., S. K. Malhotra, A. Privat, and F. H. Gage . "Reactive Astrocytes: Cellular and Molecular Cues to Biological Function." <i>Trends Neurosci</i> 20, no. 12 (1997): 570-7.
355	Raymon, H. K., S. Thode, and F. H. Gage . "Application of Ex Vivo Gene Therapy in the Treatment of Parkinson's Disease." <i>Exp Neurol</i> 144, no. 1 (1997): 82-91.
354	Ray, J., T.D. Palmer, J. Suhonen, J. Takahashi, and F.H. Gage. "Neurogenesis in the Adult Brain: Lessons Learned from the Studies of Progenitor Cells from the Embryonic and Adult Central Nervous Systems." In <i>Isolation, Characterization and Utilization of Cns Stem Cells</i> , edited by F.H. Gage and Y. Christen, 129-149: Springer-Verlag, 1997.
353	Ray, J., A. Baird, and F. H. Gage . "A 10-Amino Acid Sequence of Fibroblast Growth Factor 2 Is Sufficient for Its Mitogenic Activity on Neural Progenitor Cells." <i>Proc Natl Acad Sci U S A</i> 94, no. 13 (1997): 7047-52.
352	Peterson, D. A., J. T. Leppert, K. F. Lee, and F. H. Gage . "Basal Forebrain Neuronal Loss in Mice Lacking Neurotrophin Receptor P75." <i>Science</i> 277, no. 5327 (1997): 837-9.
351	Palmer, T. D., J. Takahashi, and F. H. Gage . "The Adult Rat Hippocampus Contains Primordial Neural Stem Cells." <i>Mol Cell Neurosci</i> 8, no. 6 (1997): 389-404.
350	Miyoshi, H., M. Takahashi, F. H. Gage , and I. M. Verma. "Stable and Efficient Gene Transfer into the Retina Using an Hiv-Based Lentiviral Vector." <i>Proc Natl Acad Sci U S A</i> 94, no. 19 (1997): 10319-23.
349	Kuhn, H. G., J. Winkler, G. Kempermann, L. J. Thal, and F. H. Gage . "Epidermal Growth Factor and Fibroblast Growth Factor-2 Have Different Effects on Neural Progenitors in the Adult Rat Brain." <i>J Neurosci</i> 17, no. 15 (1997): 5820-9.
348	Kempermann, G., H. G. Kuhn, and F. H. Gage . "Genetic Influence on Neurogenesis in the Dentate Gyrus of Adult Mice." <i>Proc Natl Acad Sci U S A</i> 94, no. 19 (1997): 10409-14.
347	Kempermann, G., H.G. Kuhn, and F.H. Gage. "More Hippocampal Neurons in Adult Mice Living in an Enriched Environment." <i>Nature</i> 386, no. 6624 (1997): 493-5.
346	Kafri, T., U. Blomer, D. A. Peterson, F. H. Gage , and I. M. Verma. "Sustained Expression of Genes Delivered Directly into Liver and Muscle by Lentiviral Vectors." <i>Nat Genet</i> 17, no. 3 (1997): 314-7.
345	Grill, R., K. Murai, A. Blesch, F. H. Gage , and M. H. Tuszynski. "Cellular Delivery of Neurotrophin-3 Promotes Corticospinal Axonal Growth and Partial Functional Recovery after Spinal Cord Injury." <i>J Neurosci</i> 17, no. 14 (1997): 5560-72.
344	Fagan, A. M., S. T. Suhr, C. A. Lucidi-Phillipi, D. A. Peterson, D. M. Holtzman, and F. H. Gage . "Endogenous Fgf-2 Is Important for Cholinergic Sprouting in the Denervated Hippocampus." <i>J Neurosci</i> 17, no. 7 (1997): 2499-511.
343	Blomer, U., L. Naldini, T. Kafri, D. Trono, I. M. Verma, and F. H. Gage . "Highly Efficient and Sustained Gene Transfer in Adult Neurons with a Lentivirus Vector." <i>J Virol</i> 71, no. 9 (1997): 6641-9.
342	Tuszynski, M. H., J. Roberts, M. C. Senut, H. S. U, and F. H. Gage . "Gene Therapy in the Adult Primate Brain: Intraparenchymal Grafts of Cells Genetically Modified to Produce Nerve Growth Factor Prevent Cholinergic Neuronal Degeneration." <i>Gene Ther</i> 3, no. 4 (1996): 305-14.
341	Tuszynski, M.H., and F.H. Gage. "Neuronal Growth and Transplantation in the Adult Central Nervous System." In <i>Principles of Medical Biology</i> , edited by E. Bittar and R. Bittar. New York: JAI press, 1996.
340	Tuszynski, M. H., and F. H. Gage . "Somatic Gene Therapy for Nervous System Disease." <i>Ciba Found Symp</i> 196 (1996): 85-94; discussion 94-7.
339	Tuszynski, M. H., K. Gabriel, F. H. Gage , S. Suhr, S. Meyer, and A. Rosetti. "Nerve Growth Factor Delivery by Gene Transfer Induces Differential Outgrowth of Sensory, Motor, and Noradrenergic Neurites after Adult Spinal Cord Injury." <i>Exp Neurol</i> 137, no. 1 (1996): 157-73.

338	Suhonen, J. O., D. A. Peterson, J. Ray, and F. H. Gage . "Differentiation of Adult Hippocampus-Derived Progenitors into Olfactory Neurons in Vivo." <i>Nature</i> 383, no. 6601 (1996): 624-7.
337	Senut, M. C., S. T. Suhr, and F. H. Gage . "Intracerebral Xenografts: Sertoli Cells to the Rescue?" <i>Nat Biotechnol</i> 14, no. 13 (1996): 1650-1.
336	Senut, M.-C., S.T. Suhr, and F.H. Gage. "Transplantation of Genetically Modified Non-Neuronal Cells in the Central Nervous System." In <i>Genetic Manipulation of the Nervous System</i> , edited by D.S. Latchman, 181-202: Academic Press Limited, 1996.
335	Peterson, D. A., C. A. Lucidi-Phillipi, D. P. Murphy, J. Ray, and F. H. Gage . "Fibroblast Growth Factor-2 Protects Entorhinal Layer II Glutamatergic Neurons from Axotomy-Induced Death." <i>J Neurosci</i> 16, no. 3 (1996): 886-98.
334	Naldini, L., U. Blomer, P. Gallay, D. Ory, R. Mulligan, F. H. Gage , I. M. Verma, and D. Trono. "In Vivo Gene Delivery and Stable Transduction of Nondividing Cells by a Lentiviral Vector." <i>Science</i> 272, no. 5259 (1996): 263-7.
333	Naldini, L., U. Blomer, F. H. Gage , D. Trono, and I. M. Verma. "Efficient Transfer, Integration, and Sustained Long-Term Expression of the Transgene in Adult Rat Brains Injected with a Lentiviral Vector." <i>Proc Natl Acad Sci U S A</i> 93, no. 21 (1996): 11382-8.
332	Nakajima, T., A. Fukamizu, J. Takahashi, F. H. Gage , T. Fisher, J. Blenis, and M. R. Montminy. "The Signal-Dependent Coactivator Cbp Is a Nuclear Target for Pp90rsk." <i>Cell</i> 86, no. 3 (1996): 465-74.
331	Nakahara, Y., F. H. Gage , and M. H. Tuszynski. "Grafts of Fibroblasts Genetically Modified to Secrete Ngf, Bdnf, Nt-3, or Basic Fgf Elicit Differential Responses in the Adult Spinal Cord." <i>Cell Transplant</i> 5, no. 2 (1996): 191-204.
330	Minger, S. L., L. J. Fisher, J. Ray, and F. H. Gage . "Long-Term Survival of Transplanted Basal Forebrain Cells Following in Vitro Propagation with Fibroblast Growth Factor-2." <i>Exp Neurol</i> 141, no. 1 (1996): 12-24.
329	Lucidi-Phillipi, C. A., D. O. Clary, L. F. Reichardt, and F. H. Gage . "TrkA Activation Is Sufficient to Rescue Axotomized Cholinergic Neurons." <i>Neuron</i> 16, no. 3 (1996): 653-63.
328	Lipkin, S. M., T. L. Grider, R. A. Heyman, C. K. Glass, and F. H. Gage . "Constitutive Retinoid Receptors Expressed from Adenovirus Vectors That Specifically Activate Chromosomal Target Genes Required for Differentiation of Promyelocytic Leukemia and Teratocarcinoma Cells." <i>J Virol</i> 70, no. 10 (1996): 7182-9.
327	Kuhn, H. G., H. Dickinson-Anson, and F. H. Gage . "Neurogenesis in the Dentate Gyrus of the Adult Rat: Age-Related Decrease of Neuronal Progenitor Proliferation." <i>J Neurosci</i> 16, no. 6 (1996): 2027-33.
326	Hoshimaru, M., J. Ray, D. W. Sah, and F. H. Gage . "Differentiation of the Immortalized Adult Neuronal Progenitor Cell Line Hc2s2 into Neurons by Regulatable Suppression of the V-Myc Oncogene." <i>Proc Natl Acad Sci U S A</i> 93, no. 4 (1996): 1518-23.
325	Choi, D. W., and F. H. Gage . "Disease, Transplantation and Regeneration." <i>Curr Opin Neurobiol</i> 6, no. 5 (1996): 635-7.
324	Chalmers, G. R., D. A. Peterson, and F. H. Gage . "Sprouting Adult Cns Cholinergic Axons Express NILE and Associate with Astrocytic Surfaces Expressing Neural Cell Adhesion Molecule." <i>J Comp Neurol</i> 371, no. 2 (1996): 287-99.
323	Blomer, U., L. Naldini, I. M. Verma, D. Trono, and F. H. Gage . "Applications of Gene Therapy to the Cns." <i>Hum Mol Genet</i> 5 Spec No (1996): 1397-404.
322	Winkler, J., S. T. Suhr, F. H. Gage , L. J. Thal, and L. J. Fisher. "Essential Role of Neocortical Acetylcholine in Spatial Memory." <i>Nature</i> 375, no. 6531 (1995): 484-7.
321	Tuszynski, M. H., and F. H. Gage . "Bridging Grafts and Transient Nerve Growth Factor Infusions Promote Long-Term Central Nervous System Neuronal Rescue and Partial Functional Recovery." <i>Proc Natl Acad Sci U S A</i> 92, no. 10 (1995): 4621-5.
320	Tuszynski, M.H., and F.H. Gage. "Maintaining the Neuronal Phenotype after Injury in the Adult Cns. Neurotrophic Factors, Axonal Growth Substrates, and Gene Therapy." <i>Mol Neurobiol</i> 10, no. 2-3 (1995): 151-67.
319	Takayama, H., J. Ray, H. K. Raymon, A. Baird, J. Hogg, L. J. Fisher, and F. H. Gage . "Basic Fibroblast Growth Factor Increases Dopaminergic Graft Survival and Function in a Rat Model of Parkinson's Disease." <i>Nat Med</i> 1, no. 1 (1995): 53-8.
318	Senut, M. C., M. H. Tuszynski, H. K. Raymon, S. T. Suhr, N. H. Liou, K. R. Jones, L. F. Reichardt, and F. H. Gage . "Regional Differences in Responsiveness of Adult Cns Axons to Grafts of Cells Expressing Human Neurotrophin 3." <i>Exp Neurol</i> 135, no. 1 (1995): 36-55.
317	Ray, J., H. K. Raymon, and F. H. Gage . "Generation and Culturing of Precursor Cells and Neuroblasts from Embryonic and Adult Central Nervous System." <i>Methods Enzymol</i> 254 (1995): 20-37.
316	Ray, J., J. Hogg, A. S. Beutler, H. Takayama, A. Baird, and F. H. Gage . "Expression of Biologically Active Basic

	Fibroblast Growth Factor by Genetically Modified Rat Primary Skin Fibroblasts." <i>J Neurochem</i> 64, no. 2 (1995): 503-13.
315	Ray, J., L.J Fisher, and F.H. Gage. "Implantation of Genetically Modified Cells in the Brain." In <i>Somatic Gene Therapy</i> , edited by P. L. Chang, 161-182: CRC Press, 1995.
314	Palmer, T. D., J. Ray, and F. H. Gage . "Fgf-2-Responsive Neuronal Progenitors Reside in Proliferative and Quiescent Regions of the Adult Rodent Brain." <i>Mol Cell Neurosci</i> 6, no. 5 (1995): 474-86.
313	Nijjima, K., G. R. Chalmers, D. A. Peterson, L. J. Fisher, P. H. Patterson, and F. H. Gage . "Enhanced Survival and Neuronal Differentiation of Adrenal Chromaffin Cells Cograftered into the Striatum with Ngf-Producing Fibroblasts." <i>J Neurosci</i> 15, no. 2 (1995): 1180-94.
312	Lucidi-Phillipi, C. A., F. H. Gage , C. W. Shults, K. R. Jones, L. F. Reichardt, and U. J. Kang. "Brain-Derived Neurotrophic Factor-Transduced Fibroblasts: Production of Bdnf and Effects of Grafting to the Adult Rat Brain." <i>J Comp Neurol</i> 354, no. 3 (1995): 361-76.
311	Gage, F. H. J. Ray, and L. J. Fisher. "Isolation, Characterization, and Use of Stem Cells from the Cns." <i>Annu Rev Neurosci</i> 18 (1995): 159-92.
310	Gage, F. H. P. W. Coates, T. D. Palmer, H. G. Kuhn, L. J. Fisher, J. O. Suhonen, D. A. Peterson, S. T. Suhr, and J. Ray. "Survival and Differentiation of Adult Neuronal Progenitor Cells Transplanted to the Adult Brain." <i>Proc Natl Acad Sci U S A</i> 92, no. 25 (1995): 11879-83.
309	Fisher, L. J., and F. H. Gage . "Novel Therapeutic Directions for Parkinson's Disease." <i>Mol Med Today</i> 1, no. 4 (1995): 181-7.
308	Fisher, L.J., and F.H. Gage. "Radical Directions in Parkinson's Disease." <i>Nat Med</i> 1, no. 3 (1995): 201-3.
307	Eagle, K. S., G. R. Chalmers, D. O. Clary, and F. H. Gage . "Axonal Regeneration and Limited Functional Recovery Following Hippocampal Deafferentation." <i>J Comp Neurol</i> 363, no. 3 (1995): 377-88.
306	Chen, K. S., E. Masliah, M. Mallory, and F. H. Gage . "Synaptic Loss in Cognitively Impaired Aged Rats Is Ameliorated by Chronic Human Nerve Growth Factor Infusion." <i>Neuroscience</i> 68, no. 1 (1995): 19-27.
305	Chen, K. S., and F. H. Gage . "Somatic Gene Transfer of Ngf to the Aged Brain: Behavioral and Morphological Amelioration." <i>J Neurosci</i> 15, no. 4 (1995): 2819-25.
304	Chalmers, G. R., L. J. Fisher, K. Nijjima, P. H. Patterson, and F. H. Gage . "Adrenal Chromaffin Cells Transdifferentiate in Response to Basic Fibroblast Growth Factor and Show Directed Outgrowth to a Nerve Growth Factor Source in Vivo." <i>Exp Neurol</i> 133, no. 1 (1995): 32-42.
303	Beutler, A. S., M. S. Banck, F. W. Bach, F. H. Gage , F. Porreca, E. J. Bilsky, and T. L. Yaksh. "Retrovirus-Mediated Expression of an Artificial Beta-Endorphin Precursor in Primary Fibroblasts." <i>J Neurochem</i> 64, no. 2 (1995): 475-81.
302	Aubert, I., J. L. Ridet, and F. H. Gage . "Regeneration in the Adult Mammalian Cns: Guided by Development." <i>Curr Opin Neurobiol</i> 5, no. 5 (1995): 625-35.
301	Tuszynski, M.H., M-C Senut, J. Ray, J. Roberts, H-S. U, and F.H. Gage. "Somatic Gene Transfer to the Adult Primate Central Nervous System: In Vitro and in Vivo Characterization of Cells Genetically Modified to Secrete Nerve Growth Factor." <i>Neurobiology of Disease</i> 1 (1994): 67-78.
300	Tuszynski, M. H., D. A. Peterson, J. Ray, A. Baird, Y. Nakahara, and F. H. Gage . "Fibroblasts Genetically Modified to Produce Nerve Growth Factor Induce Robust Neuritic Ingrowth after Grafting to the Spinal Cord." <i>Exp Neurol</i> 126, no. 1 (1994): 1-14.
299	Tuszynski, M.H., and F.H. Gage. "Neurotrophic Factors and Neuronal Loss: Potential Relevance to Alzheimer's Disease." In <i>Alzheimer Disease</i> , edited by R. Terry, R. Katzman and K.L. Bick, 25, 405-417: Raven Press Ltd., 1994.
298	Tuszynski, M. H., and F. H. Gage . "Neurotrophic Factors and Diseases of the Nervous System." <i>Ann Neurol</i> 35 Suppl (1994): S9-12.
297	Senut, M.C., L.J. Fisher, J. Ray, and F.H. Gage. "Somatic Gene Therapy in the Brain." In <i>Methods in Cell Transplantation</i> , edited by C. Ricordi, 197-214: R.G. Landes Company, 1994.
296	Ray, J., and F. H. Gage . "Spinal Cord Neuroblasts Proliferate in Response to Basic Fibroblast Growth Factor." <i>J Neurosci</i> 14, no. 6 (1994): 3548-64.
295	Peterson, D. A., C. A. Lucidi-Phillipi, K. L. Eagle, and F. H. Gage . "Perforant Path Damage Results in Progressive Neuronal Death and Somal Atrophy in Layer Ii of Entorhinal Cortex and Functional Impairment with Increasing Postdamage Age." <i>J Neurosci</i> 14, no. 11 Pt 2 (1994): 6872-85.
294	Gonzalez, A. M., L. S. Carman, M. Ong, J. Ray, F. H. Gage , C. W. Shults, and A. Baird. "Storage, Metabolism, and Processing of 125i-Fibroblast Growth Factor-2 after Intracerebral Injection." <i>Brain Res</i> 665, no. 2 (1994): 285-92.
293	Gage, F.H., K. Eagle, and M.H. Tuszynski. "Ngf Dependent Regeneration of Adult Septal Cholinergic Axons into

	Denervated Hippocampus." In <i>Life and Death in the Nervous System</i> , edited by C. Ibanez, K. Fuxe, T. Hokfelt, H. Jornvall, L. Olson and D. Ottoson, 389-397: Proceedings of the Wenner-Gren International Series, 1994.
292	Gage, F. H. "Neuronal Stem Cells: Their Characterization and Utilization." <i>Neurobiol Aging</i> 15 Suppl 2 (1994): S191.
291	Fisher, L. J., and F. H. Gage. "Intracerebral Transplantation: Basic and Clinical Applications to the Neostriatum." <i>FASEB J</i> 8, no. 8 (1994): 489-96.
290	Fagan, A. M., and F. H. Gage. "Mechanisms of Sprouting in the Adult Central Nervous System: Cellular Responses in Areas of Terminal Degeneration and Reinnervation in the Rat Hippocampus." <i>Neuroscience</i> 58, no. 4 (1994): 705-25.
289	Dekker, A. J., J. Winkler, J. Ray, L. J. Thal, and F. H. Gage. "Grafting of Nerve Growth Factor-Producing Fibroblasts Reduces Behavioral Deficits in Rats with Lesions of the Nucleus Basalis Magnocellularis." <i>Neuroscience</i> 60, no. 2 (1994): 299-309.
288	Dekker, A. J., A. M. Fagan, F. H. Gage, and L. J. Thal. "Effects of Brain-Derived Neurotrophic Factor and Nerve Growth Factor on Remaining Neurons in the Lesioned Nucleus Basalis Magnocellularis." <i>Brain Res</i> 639, no. 1 (1994): 149-55
287	Choi, D., and F. H. Gage. "Disease, Transplantation and Regeneration." <i>Curr Opin Neurobiol</i> 4, no. 5 (1994): 693-5.
286	Beeson, J. G., E. R. Shelton, H. W. Chan, and F. H. Gage. "Differential Distribution of Amyloid Protein Precursor Immunoreactivity in the Rat Brain Studied by Using Five Different Antibodies." <i>J Comp Neurol</i> 342, no. 1 (1994): 78-96.
285	Beeson, J.G., E.R. Shelton, H.W. Chan, and F.H. Gage. "Age and Damage Induced Changes in Amyloid Protein Precursor Immunohistochemistry in the Rat Brain." <i>J Comp Neurol</i> 342, no. 1 (1994): 69-77.
284	Barba, D., J. Hardin, M. Sadelain, and F. H. Gage. "Development of Anti-Tumor Immunity Following Thymidine Kinase-Mediated Killing of Experimental Brain Tumors." <i>Proc Natl Acad Sci U S A</i> 91, no. 10 (1994): 4348-52.
283	Suhr, S. T., and F. H. Gage. "Gene Therapy for Neurologic Disease." <i>Arch Neurol</i> 50, no. 11 (1993): 1252-68.
282	Shimohama, S., T. Saitoh, and F. H. Gage. "Changes in Protein Kinase C Isozymes in the Rat Hippocampal Formation Following Hippocampal Lesion." <i>Hippocampus</i> 3, no. 1 (1993): 43-55.
281	Shimohama, S., L. J. Fisher, and F. H. Gage. "Intracerebral Grafting of Genetically Modified Cells. Applications to a Rat Model of Parkinson's Disease." <i>Adv Neurol</i> 60 (1993): 744-8.
280	Schinstine, M., and F. H. Gage. "Factors Affecting Proviral Expression in Primary Cells Grafted into the Cns." <i>Res Publ Assoc Res Nerv Ment Dis</i> 71 (1993): 311-23.
279	Ray, J., D. A. Peterson, M. Schinstine, and F. H. Gage. "Proliferation, Differentiation, and Long-Term Culture of Primary Hippocampal Neurons." <i>Proc Natl Acad Sci U S A</i> 90, no. 8 (1993): 3602-6.
278	Ray, J., M.J. Kawaja, and F.H. Gage. "Production of Genetically Engineered Cells Releasing Neuro-Trophic Factors. ." In <i>Neuromethods Vol 25</i> , edited by A. Boulton, G. Baker and F. Hefti, 177-211: The Humana Press, 1993.
277	Ray, J., and F.H. Gage. "Brain Grafts, Genetic Engineering." In <i>Elsevier's Encyclopedia of Neuroscience</i> , edited by B. Smith and G. Adelman. Birkhauser Boston, 1993.
276	Ray, J. , and F.H. Gage. "Production of Genetically Modified Cells Expressing Specific Transgenes by Retroviral Vectors for Gene Therapy." <i>Journal of Tissue Culture Methods</i> 15 (1993): 108-115.
275	Nilsson, O. G., and F. H. Gage. "Anticholinergic Sensitivity in the Aging Rat Septohippocampal System as Assessed in a Spatial Memory Task." <i>Neurobiol Aging</i> 14, no. 5 (1993): 487-97.
274	Lucidi-Phillipi, C. A., and F. H. Gage. "The Neurotrophic Hypothesis and the Cholinergic Basal Forebrain Projection." <i>Prog Brain Res</i> 98 (1993): 241-9.
273	Lucidi-Phillipi, C.A., and F.H. Gage. "Functions and Applications of Neurotrophic Molecules in the Adult Central Nervous System." <i>Seminars in the Neurosciences</i> 5 (1993): 269-277.
272	Kang, U. J., L. J. Fisher, T. H. Joh, K. L. O'Malley, and F. H. Gage. "Regulation of Dopamine Production by Genetically Modified Primary Fibroblasts." <i>J Neurosci</i> 13, no. 12 (1993): 5203-11.
271	Holtzman, D. M., Y. Li, K. Chen, F. H. Gage, C. J. Epstein, and W. C. Mobley. "Nerve Growth Factor Reverses Neuronal Atrophy in a Down Syndrome Model of Age-Related Neurodegeneration." <i>Neurology</i> 43, no. 12 (1993): 2668-73.
270	Hammond, R. R., F. H. Gage, and R. D. Terry. "Alzheimer's Disease and Spirochetes; a Questionable Relationship." <i>Neuroreport</i> 4, no. 7 (1993): 840.
269	Gage, F.H. , and L.J. Fisher. "Genetically Modified Cells for Intracerebral Trans-Plantation. ." In <i>Restoration of Brain Function by Tissue Transplantation</i> , edited by O. Lindvall, 50-61: Springer-Verlag Berlin Heidelberg, 1993.

268	Gage, F. H. "Parkinson's Disease. Fetal Implants Put to the Test." <i>Nature</i> 361, no. 6411 (1993): 405-6.
267	Fisher, L. J., M. Schinstine, P. Salvaterra, A. J. Dekker, L. Thal, and F. H. Gage . "In Vivo Production and Release of Acetylcholine from Primary Fibroblasts Genetically Modified to Express Choline Acetyltransferase." <i>J Neurochem</i> 61, no. 4 (1993): 1323-32.
266	Fisher, L. J., H. K. Raymon, and F. H. Gage . "Cells Engineered to Produce Acetylcholine: Therapeutic Potential for Alzheimer's Disease." <i>Ann N Y Acad Sci</i> 695 (1993): 278-84.
265	Fisher, L. J., and F. H. Gage . "Grafting in the Mammalian Central Nervous System." <i>Physiol Rev</i> 73, no. 3 (1993): 583-616.
264	Barba, D., J. Hardin, J. Ray, and F. H. Gage . "Thymidine Kinase-Mediated Killing of Rat Brain Tumors." <i>J Neurosurg</i> 79, no. 5 (1993): 729-35.
263	Armstrong, D. M., R. Sheffield, G. Buzsaki, K. S. Chen, L. B. Hersh, B. Nearing, and F. H. Gage . "Morphologic Alterations of Choline Acetyltransferase-Positive Neurons in the Basal Forebrain of Aged Behaviorally Characterized Fisher 344 Rats." <i>Neurobiol Aging</i> 14, no. 5 (1993): 457-70.
262	Yoshida, K., M. Kakihana, L. S. Chen, M. Ong, A. Baird, and F. H. Gage . "Cytokine Regulation of Nerve Growth Factor-Mediated Cholinergic Neurotrophic Activity Synthesized by Astrocytes and Fibroblasts." <i>J Neurochem</i> 59, no. 3 (1992): 919-31.
261	Yoshida, K., and F. H. Gage . "Cooperative Regulation of Nerve Growth Factor Synthesis and Secretion in Fibroblasts and Astrocytes by Fibroblast Growth Factor and Other Cytokines." <i>Brain Res</i> 569, no. 1 (1992): 14-25.
260	Thal, L. J., E. Gilbertson, D. M. Armstrong, and F. H. Gage . "Development of the Basal Forebrain Cholinergic System: Phenotype Expression Prior to Target Innervation." <i>Neurobiol Aging</i> 13, no. 1 (1992): 67-72.
259	Schinstine, M., M. B. Rosenberg, C. Routledge-Ward, T. Friedmann, and F. H. Gage . "Effects of Choline and Quiescence on Drosophila Choline Acetyltransferase Expression and Acetylcholine Production by Transduced Rat Fibroblasts." <i>J Neurochem</i> 58, no. 6 (1992): 2019-29.
258	Ray, J., and F. H. Gage . "Gene Transfer into Established and Primary Fibroblast Cell Lines: Comparison of Transfection Methods and Promoters." <i>Biotechniques</i> 13, no. 4 (1992): 598-603.
257	Lyden, P. D., J. A. Zivin, D. R. Chabolla, M. A. Jacobs, and F. H. Gage . "Quantitative Effects of Cerebral Infarction on Spatial Learning in Rats." <i>Exp Neurol</i> 116, no. 2 (1992): 122-32.
256	Kawaja, M. D., M. B. Rosenberg, K. Yoshida, and F. H. Gage . "Somatic Gene Transfer of Nerve Growth Factor Promotes the Survival of Axotomized Septal Neurons and the Regeneration of Their Axons in Adult Rats." <i>J Neurosci</i> 12, no. 7 (1992): 2849-64.
255	Kawaja, M.D., and F.H. Gage. "Delivery of Nerve Growth Factor within the Rat Brain Using Genetically Modified Cells." In <i>Gene Transfer and Therapy in the Nervous System</i> , edited by F. H. Gage and Y. Christen, 10-19: Springer-Verlag, 1992.
254	Kawaja, M. D., and F. H. Gage . "Morphological and Neurochemical Features of Cultured Primary Skin Fibroblasts of Fischer 344 Rats Following Striatal Implantation." <i>J Comp Neurol</i> 317, no. 1 (1992): 102-16.
253	Johnson, P. A., K. Yoshida, F. H. Gage , and T. Friedmann. "Effects of Gene Transfer into Cultured Cns Neurons with a Replication-Defective Herpes Simplex Virus Type 1 Vector." <i>Brain Res Mol Brain Res</i> 12, no. 1-3 (1992): 95-102.
252	Jinnah, H.A., E.J. Hess, M.C. Wilson, F.H. Gage, and T. Friedmann. "Localization of Hypoxanthine-Guanine Phosphoribosyltransferase Mrna in the Mouse Brain by in Situ Hybridization." <i>Molecular and Cellular Neurosciences</i> 3 (1992): 64-78.
251	Jinnah, H.A., F.H. Gage, and T. Friedmann. "Gene Therapy and Neurologic Disease." In <i>The Molecular and Genetic Bases of Neurological Disease</i> , edited by R. Rosenberg, S. Prusiner, S. Dimaurio, R. Barchi and L. Kunkel, 969-976. MA: Butterworth Publishers, 1992.
250	Holtzman, D. M., Y. W. Li, S. J. DeArmond, M. P. McKinley, F. H. Gage , C. J. Epstein, and W. C. Mobley. "Mouse Model of Neurodegeneration: Atrophy of Basal Forebrain Cholinergic Neurons in Trisomy 16 Transplants." <i>Proc Natl Acad Sci U S A</i> 89, no. 4 (1992): 1383-7.
249	Holtzman, D. M., Y. Li, F. H. Gage , C. J. Epstein, and W. C. Mobley. "Neurodegeneration and Gene Dysregulation: Studies Utilizing the Mouse Trisomy 16 Model of Down Syndrome." <i>Prog Clin Biol Res</i> 379 (1992): 227-44.
248	Gage, F. H. and K. S. Chen. "Neural Transplants: Prospects for Alzheimer's Disease." <i>Curr Opin Neurol Neurosurg</i> 5, no. 1 (1992): 94-9.
247	Gage, F. H. "Repopulating the Mortal Brain with Immortal Cells." <i>Curr Biol</i> 2, no. 5 (1992): 232-4.
246	Friedmann, T., and F.H. Gage. "An Approach to the Genetic Correction of Defects and Disorders of the Central Nervous System." In <i>Principles and Practice of and Disorders of the Central Nervous System</i> , edited by R.R.

	Young and P.J. Delwaide, 202-209: Butterworth Heinemann, 1992.
245	Fischer, W., K. S. Chen, F. H. Gage , and A. Bjorklund. "Progressive Decline in Spatial Learning and Integrity of Forebrain Cholinergic Neurons in Rats During Aging." <i>Neurobiol Aging</i> 13, no. 1 (1992): 9-23.
244	Dekker, A. J., F. H. Gage , and L. J. Thal. "Delayed Treatment with Nerve Growth Factor Improves Acquisition of a Spatial Task in Rats with Lesions of the Nucleus Basalis Magnocellularis: Evaluation of the Involvement of Different Neurotransmitter Systems." <i>Neuroscience</i> 48, no. 1 (1992): 111-9.
243	Buzsaki, G., and F. H. Gage . "Fetal Brain Tissue Grafts Modulate Neuronal Excitability in a Chronic Model of Epilepsy." <i>Epilepsy Res Suppl</i> 8 (1992): 271-81.
242	Yoshida, K., and F. H. Gage . "Fibroblast Growth Factors Stimulate Nerve Growth Factor Synthesis and Secretion by Astrocytes." <i>Brain Res</i> 538, no. 1 (1991): 118-26.
241	Wamsley, J.K., T.M. Dawson, V.L. Dawson, M.A. Hunt, L.J. Fisher, and F.H. Gage. "Reversal of Nigrostriatal-Lesion Induced Receptor Alterations by Grafting of Fetal Mesencephalic Dopaminergic Neurons." In <i>Neuroreceptor Mechanisms in Brain</i> , edited by S. Kito, T. Segawa and R.W. Olsen. New York: Plenum Press, 1991.
240	Wamsley, J. K., T. M. Dawson, V. L. Dawson, M. A. Hunt, L. J. Fisher, and F. H. Gage . "Reversal of Nigrostriatal-Lesion-Induced Receptor Alterations by Grafting of Fetal Mesencephalic Dopaminergic Neurons." <i>Adv Exp Med Biol</i> 287 (1991): 221-35.
239	Tuszynski, M. H., H. Sang, K. Yoshida, and F. H. Gage . "Recombinant Human Nerve Growth Factor Infusions Prevent Cholinergic Neuronal Degeneration in the Adult Primate Brain." <i>Ann Neurol</i> 30, no. 5 (1991): 625-36.
238	Tuszynski, M. H., and F. H. Gage . "In Vivo Assay of Neuron-Specific Effects of Nerve Growth Factor." <i>Methods Enzymol</i> 198 (1991): 35-48.
237	Shults, C. W., D. T. O'Connor, A. Baird, R. Hill, C. G. Goetz, R. L. Watts, H. L. Klawans, P. M. Carvey, R. A. Bakay, F. H. Gage , and et al. "Clinical Improvement in Parkinsonian Patients Undergoing Adrenal to Caudate Transplantation Is Not Reflected by Chromogranin a or Basic Fibroblast Growth Factor in Ventricular Fluid." <i>Exp Neurol</i> 111, no. 3 (1991): 276-81.
236	Schinstine, M., M. D. Kawaja, and F. H. Gage . "Intracerebral Delivery of Growth Factors: Potential Application of Genetically Modified Fibroblasts." <i>Prog Growth Factor Res</i> 3, no. 1 (1991): 57-66.
235	Masliah, E., K. Yoshida, S. Shimohama, F. H. Gage , and T. Saitoh. "Differential Expression of Protein Kinase C Isozymes in Rat Glial Cell Cultures." <i>Brain Res</i> 549, no. 1 (1991): 106-11
234	Masliah, E., A. M. Fagan, R. D. Terry, R. DeTeresa, M. Mallory, and F. H. Gage . "Reactive Synaptogenesis Assessed by Synaptophysin Immunoreactivity Is Associated with Gap-43 in the Dentate Gyrus of the Adult Rat." <i>Exp Neurol</i> 113, no. 2 (1991): 131-42.
233	Kawaja, M. D., J. Ray, and F. H. Gage . "Employment of Fibroblasts for Gene Transfer: Applications for Grafting into the Central Nervous System." <i>Genet Eng (N Y)</i> 13 (1991): 205-20.
232	Kawaja, M. D., and F. H. Gage . "Reactive Astrocytes Are Substrates for the Growth of Adult Cns Axons in the Presence of Elevated Levels of Nerve Growth Factor." <i>Neuron</i> 7, no. 6 (1991): 1019-30.
231	Kawaja, M.D., and F.H. Gage. "Nerve Growth Factor Receptor Immunoreactivity in the Rat Septohippocampal Pathway: A Light and Electron Microscope Investigation." <i>J Comp Neurol</i> 307, no. 3 (1991): 517-29.
230	Kawaja, M. D., A. M. Fagan, B. L. Firestein, and F. H. Gage . "Intracerebral Grafting of Cultured Autologous Skin Fibroblasts into the Rat Striatum: An Assessment of Graft Size and Ultrastructure." <i>J Comp Neurol</i> 307, no. 4 (1991): 695-706.
229	Jinnah, H. A., F. H. Gage , and T. Friedmann. "Amphetamine-Induced Behavioral Phenotype in a Hypoxanthine-Guanine Phosphoribosyltransferase-Deficient Mouse Model of Lesch-Nyhan Syndrome." <i>Behav Neurosci</i> 105, no. 6 (1991): 1004-12.
228	Holtzman, D.M., Y.W. Li, F.H. Gage, S.J. DeArmond, C.J. Epstein, M.P. McKinley, and W.C. Mobley. "Modeling Cholinergic Abnormalities in Down Syndrome and Alzheimer's Disease." In <i>The Morphogenesis of Down Syndrome</i> , 189-202: Wiley-Liss, Inc., 1991.
227	Holtzman, D. M., Y. W. Li, F. H. Gage , S. J. DeArmond, C. J. Epstein, M. P. McKinley, and W. C. Mobley. "Modeling Cholinergic Abnormalities in Down Syndrome and Alzheimer's Disease." <i>Prog Clin Biol Res</i> 373 (1991): 189-202.
226	Gonzalez, A. M., D. A. Lappi, M. L. Buscaglia, L. S. Carman, F. H. Gage , and A. Baird. "Basic Fgf-Sap Mitotoxin in the Hippocampus. Specific Lethal Effect on Cells Expressing the Basic Fgf Receptor." <i>Ann N Y Acad Sci</i> 638 (1991): 442-4.
225	Gage, F. H. M. H. Tuszynski, K. S. Chen, A. M. Fagan, and G. A. Higgins. "Nerve Growth Factor Function in the Central Nervous System." <i>Curr Top Microbiol Immunol</i> 165 (1991): 71-93.

224	Gage, F. H. M. D. Kawaja, and L. J. Fisher. "Genetically Modified Cells: Applications for Intracerebral Grafting." <i>Trends Neurosci</i> 14, no. 8 (1991): 328-33.
223	Gage, F. H. U. J. Kang, and L. J. Fisher. "Intracerebral Grafting in the Dopaminergic System: Issues and Controversy." <i>Curr Opin Neurobiol</i> 1, no. 3 (1991): 414-9.
222	Gage, F. H. and L. J. Fisher. "Intracerebral Grafting: A Tool for the Neurobiologist." <i>Neuron</i> 6, no. 1 (1991): 1-12.
221	Gage, F.H. "Intracerebral Implantation of Genetically Modified Cells. ." In <i>Neuro-Degenerative Disorders: Mechanisms and Prospects for Therapy</i> , edited by D.L. Price, H. Thoenen and A.J. Aguayo, 196-214: John Wiley & Sons Ltd., 1991
220	Fisher, L. J., S. J. Young, J. M. Tepper, P. M. Groves, and F. H. Gage . "Electrophysiological Characteristics of Cells within Mesencephalon Suspension Grafts." <i>Neuroscience</i> 40, no. 1 (1991): 109-22.
219	Fisher, L. J., H. A. Jinnah, L. C. Kale, G. A. Higgins, and F. H. Gage . "Survival and Function of Intrastratially Grafted Primary Fibroblasts Genetically Modified to Produce L-Dopa." <i>Neuron</i> 6, no. 3 (1991): 371-80.
218	Fischer, W., A. Bjorklund, K. Chen, and F. H. Gage . "Ngf Improves Spatial Memory in Aged Rodents as a Function of Age." <i>J Neurosci</i> 11, no. 7 (1991): 1889-906.
217	Dekker, A. J., D. J. Langdon, F. H. Gage , and L. J. Thal. "Ngf Increases Cortical Acetylcholine Release in Rats with Lesions of the Nucleus Basalis." <i>Neuroreport</i> 2, no. 10 (1991): 577-80.
216	Dawson, T. M., V. L. Dawson, F. H. Gage , L. J. Fisher, M. A. Hunt, and J. K. Wamsley. "Functional Recovery of Supersensitive Dopamine Receptors after Intrastratial Grafts of Fetal Substantia Nigra." <i>Exp Neurol</i> 111, no. 3 (1991): 282-92
215	Dawson, T.M., V.L. Dawson, F.H. Gage, L.J. Fisher, M.A. Hunt, and J.K. Wamsley. "Downregulation of Muscarinic Receptors in the Rat Caudate-Putamen after Lesioning of the Ipsilateral Nigrostriatal Dopamine Pathway with 6-Hydroxydopamine (6-OHda): Normalization by Fetal Mesencephalic Transplants." <i>Brain Res</i> 540, no. 1-2 (1991): 145-52.
214	Chen, L. S., J. Ray, L. J. Fisher, M. D. Kawaja, M. Schinstine, U. J. Kang, and F. H. Gage . "Cellular Replacement Therapy for Neurologic Disorders: Potential of Genetically Engineered Cells." <i>J Cell Biochem</i> 45, no. 3 (1991): 252-7.
213	Carman, L. S., F. H. Gage , and C. W. Shults. "Partial Lesion of the Substantia Nigra: Relation between Extent of Lesion and Rotational Behavior." <i>Brain Res</i> 553, no. 2 (1991): 275-83.
212	Buzsaki, G., E. Masliah, L. S. Chen, Z. Horvath, R. Terry, and F. H. Gage . "Hippocampal Grafts into the Intact Brain Induce Epileptic Patterns." <i>Brain Res</i> 554, no. 1-2 (1991): 30-7.
211	Buzsaki, G., M. Hsu, C. Slamka, F. H. Gage , and Z. Horvath. "Emergence and Propagation of Interictal Spikes in the Subcortically Denervated Hippocampus." <i>Hippocampus</i> 1, no. 2 (1991): 163-80.
210	Tuszynski, M. H., H. S. U, D. G. Amaral, and F. H. Gage . "Nerve Growth Factor Infusion in the Primate Brain Reduces Lesion-Induced Cholinergic Neuronal Degeneration." <i>J Neurosci</i> 10, no. 11 (1990): 3604-14.
209	Tuszynski, M. H., and F. H. Gage . "Potential Use of Neurotrophic Agents in the Treatment of Neurodegenerative Disorders." <i>Acta Neurobiol Exp (Wars)</i> 50, no. 4-5 (1990): 311-22.
208	Tuszynski, M. H., G. Buzsaki, and F. H. Gage . "Nerve Growth Factor Infusions Combined with Fetal Hippocampal Grafts Enhance Reconstruction of the Lesioned Septohippocampal Projection." <i>Neuroscience</i> 36, no. 1 (1990): 33-44.
207	Tuszynski, M. H., D. M. Armstrong, and F. H. Gage . "Basal Forebrain Cell Loss Following Fimbria/Fornix Transection." <i>Brain Res</i> 508, no. 2 (1990): 241-8.
206	Thal, L. J., R. J. Mandel, R. D. Terry, G. Buzsaki, and F. H. Gage . "Nucleus Basalis Lesions Fail to Induce Senile Plaques in the Rat." <i>Exp Neurol</i> 108, no. 1 (1990): 88-90.
205	Shults, C. W., R. Hashimoto, R. M. Brady, and F. H. Gage . "Dopaminergic Cells Align Along Radial Glia in the Developing Mesencephalon of the Rat." <i>Neuroscience</i> 38, no. 2 (1990): 427-36.
204	Short, M. P., M. B. Rosenberg, Z. D. Ezzedine, F. H. Gage , T. Friedmann, and X. O. Breakefield. "Autocrine Differentiation of Pc12 Cells Mediated by Retroviral Vectors." <i>Dev Neurosci</i> 12, no. 1 (1990): 34-45.
203	Shimohama, S., T. Saitoh, and F. H. Gage . "Differential Expression of Protein Kinase C Isozymes in Rat Cerebellum." <i>J Chem Neuroanat</i> 3, no. 5 (1990): 367-75.
202	Schinstine, M. , and F.H. Gage. "Action of Neurotrophic Factors on Central Nervous System Neurons." In <i>Annual Reports in Medicinal Chemistry</i> , edited by J.A. Bristol: American Chemical Society, 1990.
201	Mahanthappa, N. K., F. H. Gage , and P. H. Patterson. "Adrenal Chromaffin Cells as Multipotential Neurons for Autografts." <i>Prog Brain Res</i> 82 (1990): 33-9.
200	Jinnah, H. A., F. H. Gage , and T. Friedmann. "Animal Models of Lesch-Nyhan Syndrome." <i>Brain Res Bull</i> 25, no. 3 (1990): 467-75.

199	Higgins, G. A., G. A. Oyler, R. L. Neve, K. S. Chen, and F. H. Gage . "Altered Levels of Amyloid Protein Precursor Transcripts in the Basal Forebrain of Behaviorally Impaired Aged Rats." <i>Proc Natl Acad Sci U S A</i> 87, no. 8 (1990): 3032-6.
198	Higgins, G. A., S. Koh, R. L. Neve, E. J. Mufson, K. S. Chen, and F. H. Gage . "Trophic Regulation of Basal Forebrain Gene Expression in Aging and Alzheimer's Disease." <i>Prog Brain Res</i> 86 (1990): 239-55.
197	Hellweg, R., W. Fischer, C. Hock, F. H. Gage , A. Bjorklund, and H. Thoenen. "Nerve Growth Factor Levels and Choline Acetyltransferase Activity in the Brain of Aged Rats with Spatial Memory Impairments." <i>Brain Res</i> 537, no. 1-2 (1990): 123-30.
196	Gage, F. H. M. B. Rosenberg, M. H. Tuszynski, K. Yoshida, D. M. Armstrong, R. C. Hayes, and T. Friedmann. "Gene Therapy in the Cns: Intracerebral Grafting of Genetically Modified Cells." <i>Prog Brain Res</i> 86 (1990): 205-17.
195	Gage, F. H. L. J. Fisher, H. A. Jinnah, M. B. Rosenberg, M. H. Tuszynski, and T. Friedmann. "Grafting Genetically Modified Cells to the Brain: Conceptual and Technical Issues." <i>Prog Brain Res</i> 82 (1990): 1-10.
194	Gage, F.H., K.S. Chen, M.H. Tuszynski, and A. Fagan. "Functions of Ngf on Central Cholinergic Neurons." In <i>Brain Repair</i> , edited by A.J. Aguayo and D. Ottoson. London: Macmillan Press, 1990.
193	Gage, F. H. G. Buzsaki, and D. M. Armstrong. "Ngf-Dependent Sprouting and Regeneration in the Hippocampus." <i>Prog Brain Res</i> 83 (1990): 357-70.
192	Gage, F.H. , and G. Buzsaki. "Neuronal Grafting to the Damaged Adult Hippocampal Formation." In <i>The Hippocampus - New Vistas</i> 235-253: Alan R. Liss, Inc., 1990.
191	Gage, F. H. "Intracerebral Grafting of Genetically Modified Cells Acting as Biological Pumps." <i>Trends Pharmacol Sci</i> 11, no. 11 (1990): 437-9.
190	Foster, G. A., E. Brodin, F. H. Gage , D. J. Maxwell, M. H. Roberts, and T. Sharp. "Restoration of Function to the Denervated Spinal Cord after Implantation of Embryonic 5ht- and Substance P-Containing Raphe Neurones." <i>Prog Brain Res</i> 82 (1990): 247-59.
189	Fisher, L. J., S. J. Young, P. M. Groves, and F. H. Gage . "Extracellular Properties of Cells within Mesencephalon Suspension Grafts in Rat Striatum." <i>Prog Brain Res</i> 82 (1990): 473-9.
188	Fagan, A. M., and F. H. Gage . "Cholinergic Sprouting in the Hippocampus: A Proposed Role for Il-1." <i>Exp Neurol</i> 110, no. 1 (1990): 105-20.
187	Buzsaki, G., A. Smith, S. Berger, L. J. Fisher, and F. H. Gage . "Petit Mal Epilepsy and Parkinsonian Tremor: Hypothesis of a Common Pacemaker." <i>Neuroscience</i> 36, no. 1 (1990): 1-14.
186	Buzsaki, G., L. S. Chen, and F. H. Gage . "Spatial Organization of Physiological Activity in the Hippocampal Region: Relevance to Memory Formation." <i>Prog Brain Res</i> 83 (1990): 257-68.
185	Barnett, J., P. Baecker, C. Routledge-Ward, H. Bursztyjn-Pettegrew, J. Chow, B. Nguyen, C. Bach, H. Chan, M.H. Tuszynski, K. Yoshida, R. Rubalcava, and F.H. Gage. "Human S Nerve Growth Factor Obtained from a Baculovirus Expression System Has Potent in Vitro and in Vivo Neurotrophic Activity." <i>Experimental Neurology</i> 110 (1990): 11-24.
184	Wolff, J.A., L.J. Fisher, L. Xy, H.A. Jinnah, P.J. Langlais, P.M. Iuvone, K.L. O'Malley, M.B. Rosenberg, S. Shimohama, T. Friedmann, and F.H. Gage. "Grafting Fibroblasts Genetically Modified to Produce L-Dopa in a Rat Model of Parkinson Disease." <i>Proc Natl Acad Sci U S A</i> 86 (1989): 9011-9014.
183	Tuszynski, M. H., H. A. Jinnah, and F. H. Gage . "Delivery of Neuroactive Compounds to the Brain: Potential Utility of Genetically Modified Cells." <i>Neurobiol Aging</i> 10, no. 5 (1989): 644-5; discussion 648-50.
182	Shimohama, S., M. B. Rosenberg, A. M. Fagan, J. A. Wolff, M. P. Short, X. O. Breakefield, T. Friedmann, and F. H. Gage . "Grafting Genetically Modified Cells into the Rat Brain: Characteristics of E. Coli Beta-Galactosidase as a Reporter Gene." <i>Brain Res Mol Brain Res</i> 5, no. 4 (1989): 271-8.
181	Shapiro, M. L., D. K. Simon, D. S. Olton, F. H. Gage , 3rd, O. Nilsson, and A. Bjorklund. "Intrahippocampal Grafts of Fetal Basal Forebrain Tissue Alter Place Fields in the Hippocampus of Rats with Fimbria-Fornix Lesions." <i>Neuroscience</i> 32, no. 1 (1989): 1-18.
180	Phelps, C. H., F. H. Gage , J. H. Growdon, F. Hefti, R. Harbaugh, M. V. Johnston, Z. S. Khachaturian, W. C. Mobley, D. L. Price, M. Raskind, and et al. "Potential Use of Nerve Growth Factor to Treat Alzheimer's Disease." <i>Neurobiol Aging</i> 10, no. 2 (1989): 205-7.
179	Mandel, R. J., F. H. Gage , and L. J. Thal. "Spatial Learning in Rats: Correlation with Cortical Choline Acetyltransferase and Improvement with Ngf Following Nbm Damage." <i>Exp Neurol</i> 104, no. 3 (1989): 208-17.
178	Mandel, R.J., F.H. Gage, and L.J. Thal. "Enhanced Detection of Nucleus Basalis Magnocellularis Lesion-Induced Spatial Learning Deficit in Rats by Modification of Training Regimen." <i>Behav Brain Res</i> 31, no. 3 (1989): 221-9.
177	Higgins, G. A., S. Koh, K. S. Chen, and F. H. Gage . "Ngf Induction of Ngf Receptor Gene Expression and

	Cholinergic Neuronal Hypertrophy within the Basal Forebrain of the Adult Rat." <i>Neuron</i> 3, no. 2 (1989): 247-56.
176	Gage, F. H. M. H. Tuszynski, K. S. Chen, D. Armstrong, and G. Buzsaki. "Survival, Growth and Function of Damaged Cholinergic Neurons." <i>EXS</i> 57 (1989): 259-74.
175	Gage, F.H. , A. Privat, and Y. Christen, eds. <i>Neuronal Grafting and Alzheimer's Disease: Research and Perspectives in Alzheimer's Disease</i> . Edited by Fondation Ipsen: Springer Verlag, 1989.
174	Gage, F. H. S. B. Dunnett, and A. Bjorklund. "Age-Related Impairments in Spatial Memory Are Independent of Those in Sensorimotor Skills." <i>Neurobiol Aging</i> 10, no. 4 (1989): 347-52.
173	Gage, F.H. , and G. Buzsaki. "Cns Grafting: The Potential Mechanisms of Action." In <i>Neural Regeneration Research for the Clinician</i> , edited by F. Seil and R. Alan, 6, 211-227. New York, N.Y.: Liss, Inc., 1989.
172	Gage, F.H., and G. Buzsaki. "Experimental Therapeutic Approaches: Intracerebral Grafting and Neurotrophic Factors." In <i>Alzheimer's Disease: Treatment and Long-Term Management</i> , edited by J.L. Cummings and B.L. Miller, 353-371. New York and Basel: Marcel Dekker, Inc., 1989.
171	Gage, F. H. P. Batchelor, K. S. Chen, D. Chin, G. A. Higgins, S. Koh, S. Deputy, M. B. Rosenberg, W. Fischer, and A. Bjorklund. "Ngf Receptor Reexpression and Ngf-Mediated Cholinergic Neuronal Hypertrophy in the Damaged Adult Neostriatum." <i>Neuron</i> 2, no. 2 (1989): 1177-84.
170	Foster, G. A., M. H. Roberts, L. S. Wilkinson, A. Bjorklund, F. H. Gage , T. Hokfelt, M. Schultzberg, and T. Sharp. "Structural and Functional Analysis of Raphe Neurone Implants into Denervated Rat Spinal Cord." <i>Brain Res Bull</i> 22, no. 1 (1989): 131-7.
169	Fischer, W., F. H. Gage , and A. Bjorklund. "Degenerative Changes in Forebrain Cholinergic Nuclei Correlate with Cognitive Impairments in Aged Rats." <i>Eur J Neurosci</i> 1, no. 1 (1989): 34-45.
168	Dawson, V. L., F. H. Gage , M. A. Hunt, and J. K. Wamsley. "Normalization of Subtype-Specific Muscarinic Receptor Binding in the Denervated Hippocampus by Septodiagonal Band Grafts." <i>Exp Neurol</i> 106, no. 2 (1989): 115-24.
167	Chen, K. S., M. H. Tuszynski, and F. H. Gage . "Role of Neurotrophic Factors in Alzheimer's Disease." <i>Neurobiol Aging</i> 10, no. 5 (1989): 545-6; discussion 552-3.
166	Buzsaki, G., J. Wiesner, S. J. Henriksen, and F. H. Gage . "Long-Term Potentiation of Evoked and Spontaneous Neuronal Activity in the Grafted Hippocampus." <i>Exp Brain Res</i> 76, no. 2 (1989): 401-8.
165	Buzsaki, G., G. L. Ponomareff, F. Bayardo, R. Ruiz, and F. H. Gage . "Neuronal Activity in the Subcortically Denervated Hippocampus: A Chronic Model for Epilepsy." <i>Neuroscience</i> 28, no. 3 (1989): 527-38.
164	Buzsaki, G., and F. H. Gage . "Absence of Long-Term Potentiation in the Subcortically Deafferented Dentate Gyrus." <i>Brain Res</i> 484, no. 1-2 (1989): 94-101.
163	Buzsaki, G., and F.H. Gage. "The Cholinergic Nucleus Basalis: A Key Structure in Neocortical Arousal." <i>EXS</i> 57 (1989): 159-71.
162	Buzsaki, G., R. G. Bickford, L. J. Ryan, S. Young, O. Prohaska, R. J. Mandel, and F. H. Gage . "Multisite Recording of Brain Field Potentials and Unit Activity in Freely Moving Rats." <i>J Neurosci Methods</i> 28, no. 3 (1989): 209-17.
161	Buzsaki, G., F. Bayardo, R. Miles, R. K. Wong, and F. H. Gage . "The Grafted Hippocampus: An Epileptic Focus." <i>Exp Neurol</i> 105, no. 1 (1989): 10-22.
160	Batchelor, P. E., D. M. Armstrong, S. N. Blaker, and F. H. Gage . "Nerve Growth Factor Receptor and Choline Acetyltransferase Colocalization in Neurons within the Rat Forebrain: Response to Fimbria-Fornix Transection." <i>J Comp Neurol</i> 284, no. 2 (1989): 187-204.
159	Tuszynski, M.H., and F.H. Gage. "Neural Grafting in the Neurodegenerative Diseases." <i>ISI Atlas of Science: Pharmacology</i> . 2 (1988): 229-34.
158	Rosenberg, M. B., T. Friedmann, R. C. Robertson, M. Tuszynski, J. A. Wolff, X. O. Breakefield, and F. H. Gage . "Grafting Genetically Modified Cells to the Damaged Brain: Restorative Effects of Ngf Expression." <i>Science</i> 242, no. 4885 (1988): 1575-8.
157	Gage, F. H. J. A. Wolff, M. B. Rosenberg, L. Xu, J. K. Yee, C. Shults, and T. Friedmann. "Implantation of Genetically Engineered Cells to the Brain." <i>Prog Brain Res</i> 78 (1988): 651-8.
156	Gage, F.H. , and S. Varon. "Trophic Hypothesis of Neuronal Cell Death and Survival." In <i>Brain Injury and Recovery: Theoretical and Controversial Issues</i> , edited by S. Finger, T. LeVere, C. R. Almlie and D. G. Stein, 201-214. New York: Plenum, 1988.
155	Gage, F. H. P. Olejniczak, and D. M. Armstrong. "Astrocytes Are Important for Sprouting in the Septohippocampal Circuit." <i>Exp Neurol</i> 102, no. 1 (1988): 2-13.
154	Gage, F. H. K. S. Chen, G. Buzsaki, and D. Armstrong. "Experimental Approaches to Age-Related Cognitive Impairments." <i>Neurobiol Aging</i> 9, no. 5-6 (1988): 645-55.

153	Gage, F. H. P. Brundin, R. Strecker, S. B. Dunnett, O. Isacson, and A. Bjorklund. "Intracerebral Neuronal Grafting in Experimental Animal Models of Age-Related Motor Dysfunction." <i>Ann N Y Acad Sci</i> 515 (1988): 383-94.
152	Gage, F. H. S. N. Blaker, G. E. Davis, E. Engvall, S. Varon, and M. Manthorpe. "Human Amnion Membrane Matrix as a Substratum for Axonal Regeneration in the Central Nervous System." <i>Exp Brain Res</i> 72, no. 2 (1988): 371-80.
151	Gage, F. H. D. M. Armstrong, L. R. Williams, and S. Varon. "Morphological Response of Axotomized Septal Neurons to Nerve Growth Factor." <i>J Comp Neurol</i> 269, no. 1 (1988): 147-55.
150	Foster, G.A., M. Schultzberg, F.H. Gage , A. Bjorklund, T. Hokfelt, A.C. Cuello, A.A. Verhofstad, T.J. Visser, and P.C. Emson. "Transmitter Expression and Morphological Development of Embryonic Medullary and Mesencephalic Raphe Neurons after Transplantation to the Adult Rat Central Nervous System. III. Grafts to the Striatum." <i>Exp Brain Res</i> 70, no. 2 (1988): 242-55.
149	_____. "Transmitter Expression and Morphological Development of Embryonic Medullary and Mesencephalic Raphe Neurons after Transplantation to the Adult Rat Central Nervous System. II. Grafts to the Hippocampus." <i>Exp Brain Res</i> 70, no. 2 (1988): 225-41.
148	Buzsaki, G., G. Ponomareff, F. Bayardo, T. Shaw, and F. H. Gage . "Suppression and Induction of Epileptic Activity by Neuronal Grafts." <i>Proc Natl Acad Sci U S A</i> 85, no. 23 (1988): 9327-30.
147	Buzsaki, G., and F. H. Gage . "Mechanisms of Action of Neural Grafts in the Limbic System." <i>Can J Neurol Sci</i> 15, no. 2 (1988): 99-105.
146	Buzsaki, G., T. Freund, A. Bjorklund, and F. H. Gage . "Restoration and Deterioration of Function by Brain Grafts in the Septohippocampal System." <i>Prog Brain Res</i> 78 (1988): 69-77.
145	Buzsaki, G., R. G. Bickford, G. Ponomareff, L. J. Thal, R. Mandel, and F. H. Gage . "Nucleus Basalis and Thalamic Control of Neocortical Activity in the Freely Moving Rat." <i>J Neurosci</i> 8, no. 11 (1988): 4007-26.
144	Buzsaki, G., R. G. Bickford, D. M. Armstrong, G. Ponomareff, K. S. Chen, R. Ruiz, L. J. Thal, and F. H. Gage . "Electric Activity in the Neocortex of Freely Moving Young and Aged Rats." <i>Neuroscience</i> 26, no. 3 (1988): 735-44.
143	Brundin, P., R. E. Strecker, F. H. Gage , O. Lindvall, and A. Bjorklund. "Intracerebral Transplantation of Dopamine Neurons: Understanding the Functional Role of the Mesolimbocortical Dopamine System and Developing a Therapy for Parkinson's Disease." <i>Ann N Y Acad Sci</i> 537 (1988): 148-60.
142	Blaker, S. N., G. E. Davis, M. Manthorpe, E. Engvall, S. Varon, and F. H. Gage . "Human Amnion Membrane as a Substratum for Axonal Elongation in Vitro and in Vivo." <i>Prog Brain Res</i> 78 (1988): 435-8.
141	Blaker, S. N., D. M. Armstrong, and F. H. Gage . "Cholinergic Neurons within the Rat Hippocampus: Response to Fimbria-Fornix Transection." <i>J Comp Neurol</i> 272, no. 1 (1988): 127-38.
140	Bengtsson, F., A. Nobin, B. Falck, F. H. Gage , and B. Jeppsson. "Effect of Oral Branched Chain Amino Acids on Behavior and Brain Serotonin Metabolism in Portacaval Shunted Rats." <i>World J Surg</i> 12, no. 2 (1988): 246-54.
139	Armstrong, D. M., L. B. Hersh, and F. H. Gage . "Morphologic Alterations of Cholinergic Processes in the Neocortex of Aged Rats." <i>Neurobiol Aging</i> 9, no. 2 (1988): 199-205.
138	Williams, L. R., H. L. Vahlsing, T. Lindamood, S. Varon, F. H. Gage , and M. Manthorpe. "A Small-Gauge Cannula Device for Continuous Infusion of Exogenous Agents into the Brain." <i>Exp Neurol</i> 95, no. 3 (1987): 743-54.
137	Varon, S., L.R. Williams, and F.H. Gage . "In Vivo Protection by an Exogenous Neuronotrophic Factor against Neuronal Death in Adult Rat Cns." In <i>Neuro-Plasticity: A New Therapeutic Tool in the Cns Pathology</i> , edited by R.L. Masland, 65-74. Padova: Liviana Press, 1987.
136	Varon, S., L. R. Williams, and F. H. Gage . "Exogenous Administration of Neuronotrophic Factors in Vivo Protects Central Nervous System Neurons against Axotomy Induced Degeneration." <i>Prog Brain Res</i> 71 (1987): 191-201.
135	Steinbusch, H. W., A. Beek, A. L. Frankhuyzen, J. A. Tonnaer, F. H. Gage , and A. Bjorklund. "Functional Activity of Raphe Neurons Transplanted to the Hippocampus and Caudate-Putamen. An Immunohistochemical and Neurochemical Analysis in Adult and Aged Rats." <i>Ann N Y Acad Sci</i> 495 (1987): 169-84.
134	Shults, C. W., P. Johnston, and F. H. Gage . "Comparison of Substance K-Like and Substance P-Like Fibers and Cells in the Rat Hippocampus." <i>Brain Res</i> 426, no. 2 (1987): 290-6.
133	Peterson, G. M., L. R. Williams, S. Varon, and F. H. Gage . "Loss of Gabaergic Neurons in Medial Septum after Fimbria-Fornix Transection." <i>Neurosci Lett</i> 76, no. 2 (1987): 140-4.
132	Nilsson, O. G., M. L. Shapiro, F. H. Gage , D. S. Olton, and A. Bjorklund. "Spatial Learning and Memory Following Fimbria-Fornix Transection and Grafting of Fetal Septal Neurons to the Hippocampus." <i>Exp Brain Res</i> 67, no. 1 (1987): 195-215.
131	Kesslak, J. P., C. J. Frederickson, and F. H. Gage . "Quantification of Hippocampal Noradrenaline and Zinc

	Changes after Selective Cell Destruction." <i>Exp Brain Res</i> 67, no. 1 (1987): 77-84.
130	Isacson, O., M. Pritzel, D. Dawbarn, P. Brundin, P. A. Kelly, L. Wiklund, P. C. Emson, F. H. Gage , S. B. Dunnett, and A. Bjorklund. "Striatal Neural Transplants in the Ibotenic Acid-Lesioned Rat Neostriatum. Cellular and Functional Aspects." <i>Ann N Y Acad Sci</i> 495 (1987): 537-55.
129	Isacson, O., D. Dawbarn, P. Brundin, F. H. Gage , P. C. Emson, and A. Bjorklund. "Neural Grafting in a Rat Model of Huntington's Disease: Striosomal-Like Organization of Striatal Grafts as Revealed by Acetylcholinesterase Histochemistry, Immunocytochemistry and Receptor Autoradiography." <i>Neuroscience</i> 22, no. 2 (1987): 481-97.
128	Gage, F. H. J. A. Wolff, M. B. Rosenberg, L. Xu, J. K. Yee, C. Shults, and T. Friedmann. "Grafting Genetically Modified Cells to the Brain: Possibilities for the Future." <i>Neuroscience</i> 23, no. 3 (1987): 795-807.
127	Gage, F. H. G. Buzsaki, O. Nilsson, and A. Bjorklund. "Grafts of Fetal Cholinergic Neurons to the Deafferented Hippocampus." <i>Prog Brain Res</i> 71 (1987): 335-47.
126	Gage, F. H. and A. Bjorklund. "Trophic and Growth-Regulating Mechanisms in the Central Nervous System Monitored by Intracerebral Neural Transplants." <i>Ciba Found Symp</i> 126 (1987): 143-59.
125	Gage, F.H. , and A. Bjorklund. "Denervation-Induced Enhancement of Graft Survival and Growth. A Trophic Hypothesis." <i>Ann N Y Acad Sci</i> 495 (1987): 378-95.
124	Gage, F.H. "Monoaminergic and Cholinergic Intracerebral Grafts: Use in Model Systems of Aging." In <i>Model Systems of Development and Aging of the Nervous System.</i> , edited by A. Vernadakis, 405-419: Martinus Nijhoff Publishing, 1987.
123	Fischer, W., K. Victorin, A. Bjorklund, L. R. Williams, S. Varon, and F. H. Gage . "Amelioration of Cholinergic Neuron Atrophy and Spatial Memory Impairment in Aged Rats by Nerve Growth Factor." <i>Nature</i> 329, no. 6134 (1987): 65-8.
122	Davis, G. E., S. N. Blaker, E. Engvall, S. Varon, M. Manthorpe, and F. H. Gage . "Human Amnion Membrane Serves as a Substratum for Growing Axons in Vitro and in Vivo." <i>Science</i> 236, no. 4805 (1987): 1106-9.
121	Clarke, D. J., F. H. Gage , S. B. Dunnett, O. G. Nilsson, and A. Bjorklund. "Synaptogenesis of Grafted Cholinergic Neurons." <i>Ann N Y Acad Sci</i> 495 (1987): 268-83.
120	Buzsaki, G., F. H. Gage , L. Kellenyi, and A. Bjorklund. "Behavioral Dependence of the Electrical Activity of Intracerebrally Transplanted Fetal Hippocampus." <i>Brain Res</i> 400, no. 2 (1987): 321-33.
119	Buzsaki, G., F. H. Gage , J. Czopf, and A. Bjorklund. "Restoration of Rhythmic Slow Activity (Theta) in the Subcortically Denervated Hippocampus by Fetal Cns Transplants." <i>Brain Res</i> 400, no. 2 (1987): 334-47.
118	Buzsaki, G., J. Czopf, I. Kondakor, A. Bjorklund, and F. H. Gage . "Cellular Activity of Intracerebrally Transplanted Fetal Hippocampus During Behavior." <i>Neuroscience</i> 22, no. 3 (1987): 871-83.
117	Bjorklund, A., and F.H. Gage . "Grafts of Fetal Septal Cholinergic Neurons to the Hippocampal Formation in Aged or Fimbria-Fornix Lesioned Rats." <i>Prog Brain Res</i> 72 (1987): 333-42.
116	Bjorklund, A., and F. H. Gage . "Grafts of Fetal Septal Cholinergic Neurons to the Hippocampal Formation in Aged or Fimbria-Fornix-Lesioned Rats." <i>Ann N Y Acad Sci</i> 495 (1987): 120-37.
115	Armstrong, D. M., R. D. Terry, R. M. Deteresa, G. Bruce, L. B. Hersh, and F. H. Gage . "Response of Septal Cholinergic Neurons to Axotomy." <i>J Comp Neurol</i> 264, no. 3 (1987): 421-36.
114	Armstrong, D. M., G. Bruce, L. B. Hersh, and F. H. Gage . "Development of Cholinergic Neurons in the Septal/Diagonal Band Complex of the Rat." <i>Dev Brain Res</i> 433, no. 2 (1987): 249-56.
113	Zetterstrom, T., P. Brundin, F. H. Gage , T. Sharp, O. Isacson, S. B. Dunnett, U. Ungerstedt, and A. Bjorklund. "In Vivo Measurement of Spontaneous Release and Metabolism of Dopamine from Intrastratial Nigral Grafts Using Intracerebral Dialysis." <i>Brain Res</i> 362, no. 2 (1986): 344-9.
112	Williams, L. R., S. Varon, G. M. Peterson, K. Victorin, W. Fischer, A. Bjorklund, and F. H. Gage . "Continuous Infusion of Nerve Growth Factor Prevents Basal Forebrain Neuronal Death after Fimbria Fornix Transection." <i>Proc Natl Acad Sci U S A</i> 83, no. 23 (1986): 9231-5.
111	Schultzberg, M., G. A. Foster, F. H. Gage , A. Bjorklund, and T. Hokfelt. "Coexistence During Ontogeny and Transplantation." <i>Prog Brain Res</i> 68 (1986): 129-45.
110	Lindvall, O., M. Ingvar, and F. H. Gage . "Short Term Status Epilepticus in Rats Causes Specific Behavioral Impairments Related to Substantia Nigra Necrosis." <i>Exp Brain Res</i> 64, no. 1 (1986): 143-8.
109	Kesslak, J. P., and F. H. Gage , 3rd. "Recovery of Spatial Alternation Deficits Following Selective Hippocampal Destruction with Kainic Acid." <i>Behav Neurosci</i> 100, no. 2 (1986): 280-3.
108	Gage, F. H. K. Victorin, W. Fischer, L. R. Williams, S. Varon, and A. Bjorklund. "Retrograde Cell Changes in Medial Septum and Diagonal Band Following Fimbria-Fornix Transection: Quantitative Temporal Analysis." <i>Neuroscience</i> 19, no. 1 (1986): 241-55.
107	Gage, F.H. , A. Bjorklund, O. Isacson, and P. Brundin. "Uses of Neuronal Trans-Plantation in Models of

	Neurodegenerative Diseases." In <i>Neuronal Trans-Plantation and Regeneration</i> edited by G. Das and R. Wallace, 103-124. New York: Springer-Verlag, 1986.
106	Gage, F.H. , and A. Bjorklund. "Compensatory Collateral Sprouting of Aminergic Systems in the Hippocampal Formation Following Partial Deafferentation." In <i>The Hippocampus Vol 3</i> edited by Isacson and Pribram, 33-63. New York: Plenum Press, 1986.
105	Gage, F.H. , and A. Bjorklund. "Cholinergic Septal Grafts into the Hippocampal Formation Improve Spatial Learning and Memory in Aged Rats by an Atropine-Sensitive Mechanism." <i>J Neurosci</i> 6, no. 10 (1986): 2837-47.
104	_____. "Enhanced Graft Survival in the Hippocampus Following Selective Denervation." <i>Neuroscience</i> 17, no. 1 (1986): 89-98.
103	Gage, F. H. and A. Bjorklund. "Neural Grafting in the Aged Rat Brain." <i>Annu Rev Physiol</i> 48 (1986): 447-59.
102	Clarke, D. J., F. H. Gage , O. G. Nilsson, and A. Bjorklund. "Grafted Septal Neurons Form Cholinergic Synaptic Connections in the Dentate Gyrus of Behaviorally Impaired Aged Rats." <i>J Comp Neurol</i> 252, no. 4 (1986): 483-92.
101	Clarke, D. J., F. H. Gage , and A. Bjorklund. "Formation of Cholinergic Synapses by Intrahippocampal Septal Grafts as Revealed by Choline Acetyltransferase Immunocytochemistry." <i>Brain Res</i> 369, no. 1-2 (1986): 151-62.
100	Brundin, P., O. Isacson, F. H. Gage , A. Prochiantz, and A. Bjorklund. "The Rotating 6-Hydroxydopamine-Lesioned Mouse as a Model for Assessing Functional Effects of Neuronal Grafting." <i>Brain Res</i> 366, no. 1-2 (1986): 346-9.
99	Brundin, P., O. Isacson, F. H. Gage , and A. Bjorklund. "Intrastriatal Grafting of Dopamine-Containing Neuronal Cell Suspensions: Effects of Mixing with Target or Non-Target Cells." <i>Dev Brain Res</i> 389, no. 1-2 (1986): 77-84.
98	Bjorklund, A., H. Nornes, and F. H. Gage . "Cell Suspension Grafts of Noradrenergic Locus Coeruleus Neurons in Rat Hippocampus and Spinal Cord: Reinnervation and Transmitter Turnover." <i>Neuroscience</i> 18, no. 3 (1986): 685-98.
97	Bjorklund, A., and F. H. Gage . "Transplantation of Basal Forebrain Cholinergic Neurons in the Aged Rat Brain." <i>Prog Brain Res</i> 70 (1986): 499-512.
96	Bengtsson, F., A. Nobin, B. Falck, F. H. Gage , and B. Jeppsson. "Portacaval Shunt in the Rat: Selective Alterations in Behavior and Brain Serotonin." <i>Pharmacol Biochem Behav</i> 24, no. 6 (1986): 1611-6.
95	Acsadi, G., G. Buzsaki, T. Keszthelyi, L. Kiralyfalvi, and F. H. Gage . "Effects of Confinement, Previous Experience and Hippocampal Damage on the Drl Schedule." <i>Behav Brain Res</i> 20, no. 2 (1986): 241-8.
94	Wieloch, T., O. Lindvall, P. Blomqvist, and F. H. Gage . "Evidence for Amelioration of Ischaemic Neuronal Damage in the Hippocampal Formation by Lesions of the Perforant Path." <i>Neurol Res</i> 7, no. 1 (1985): 24-6.
93	Stenevi, U., L.F. Kromer, F.H. Gage , and A. Bjorklund. "Solid Neural Graft in Intracerebral Transplantation Cavities." In <i>Transplantation in the Mammalian Cns</i> edited by A. Bjorklund and U. Stenevi, 5, 41-51. Amsterdam: Elsevier Press, 1985.
92	Shapiro, M. L., D. Simon, D. S. Olton, F. H. Gage , A. Bjorklund, and U. Stenevi. "Brain Transplants: Can They Restore Single Unit Activity in the Hippocampus?" <i>Ann N Y Acad Sci</i> 444 (1985): 536-7.
91	Segal, M., A. Bjorklund, and F.H. Gage . "Intracellular Analysis of Cholinergic Synapses between Grafted Spetal Nucleus and Host Hippocampal Pyramidal Nuerons." In <i>Transplantation in the Mammalian Cns</i> , edited by A. Bjorklund and U. Stenevi, 5, 389-401. Amsterdam: Elsevier Press, 1985.
90	Segal, M., A. Bjorklund, and F. H. Gage . "Transplanted Septal Neurons Make Viable Cholinergic Synapses with a Host Hippocampus." <i>Brain Res</i> 336, no. 2 (1985): 302-7.
89	Schultzberg, M., G.A. Foster, F.H. Gage , A. Bjorklund, and T. Hokfelt. "The Transmitter Phenotypy and Nerve Fibre Outgrowth of Peptide Neurones in Coexistence Systems Studied in Intracerebral Transplants." <i>Acta Physiol. Scand</i> 124 (1985): 542.
88	Kelly, P. A., F. H. Gage , M. Ingvar, O. Lindvall, U. Stenevi, and A. Bjorklund. "Functional Reactivation of the Deafferented Hippocampus by Embryonic Septal Grafts as Assessed by Measurements of Local Glucose Utilization." <i>Exp Brain Res</i> 58, no. 3 (1985): 570-9.
87	Isacson, O., P. Brundin, F.H. Gage , and A. Bjorklund. "Compensation of Lesion Induced Changes in Cerebral Metabolism and Behavior by Striatal Neural Implants in a Rat Model of Huntington Disease." In <i>Brain, Plasticity, Learning, and Memory</i> edited by B. Will. New York: Plenum Publishing Corp., 1985.
86	Isacson, O., P. Brundin, F. H. Gage , and A. Bjorklund. "Neural Grafting in a Rat Model of Huntington's Disease: Progressive Neurochemical Changes after Neostriatal Ibotenate Lesions and Striatal Tissue Grafting." <i>Neuroscience</i> 16, no. 4 (1985): 799-817.
85	Isacson, O., P. Brundin, D. Dawbarn, P.A.T. Kelly, F.H. Gage , P.C. Emson, and A. Bjorklund. "Striatal Grafts in the Ibotenic Acid-Lesioned Striatum." In <i>Transplantation in the Mammalian Cns</i> edited by A. Bjorklund and U. Stenevi, 5. Amsterdam: Elsevier Press, 1985.
84	Gage, F. H. U. Stenevi, T. Carlstedt, G. Foster, A. Bjorklund, and A. J. Aguayo. "Anatomical and Functional

	Consequences of Grafting Mesencephalic Neurons into a Peripheral Nerve "Bridge" Connected to the Denervated Striatum." <i>Exp Brain Res</i> 60, no. 3 (1985): 584-9.
83	Gage, F. H. P. Brundin, O. Isacson, and A. Bjorklund. "Rat Fetal Brain Tissue Grafts Survive and Innervate Host Brain Following Five Day Pregraft Tissue Storage." <i>Neurosci Lett</i> 60, no. 2 (1985): 133-7.
82	Gage, F.H. , A. Bjorklund, U. Stenevi, and S.B. Dunnett. "Grating of Embryonic Cns Tissue to the Damaged Adult Hippocampal Formation." In <i>Transplantation in the Mammalian Cns</i> , edited by U. Stenevi A. Bjorklund, 5, 559-575. Amsterdam: Elsevier Press, 1985.
81	_____. "Intracerebral Grafting in the Aged Rate Brain: Anatomical and Functional Characterization." In <i>Transplantation in the Mammalian Cns</i> edited by A. Bjorklund and U. Stenevi, 5, 575-585. Amsterdam: Elsevier Press, 1985.
80	Gage, F.H. , and A. Bjorklund. "Transplantation to the Damaged Adult Hippocampus Formation." In <i>Process of Recovery from Neural Trauma</i> , edited by Gilad, Kretzberg and Gorio, 351-360. Berlin: Springer-Verlag, 1985.
79	Foster, G. A., M. Schultzberg, F. H. Gage , A. Bjorklund, T. Hokfelt, H. Nornes, A. C. Cuello, A. A. Verhofstad, and T. J. Visser. "Transmitter Expression and Morphological Development of Embryonic Medullary and Mesencephalic Raphe Neurones after Transplantation to the Adult Rat Central Nervous System. I. Grafts to the Spinal Cord." <i>Exp Brain Res</i> 60, no. 3 (1985): 427-44
78	Foster, G.A. , A. Schultzberg, A. Bjorklund, F.H. Gage , and T. Hokfelt. "Fate of Embryonic Mesencephalic and Medulary Raphe Neurons Transplanted to the Striatum, Hippocampus or Spinal Cord of the Adult Rat: Analysis of 5-Hydroxy-Teryptamine-, Substance P- and Thyrotropin Releasing Hormone-Immunoreactive Cells." In <i>Transplantation in the Mammalian Cns</i> edited by U. Stenevi A. Bjorklund, 5, 179-191. Amsterdam: Elsevier Press, 1985.
77	Dunnett, S.B. , A. Bjorklund, F.H. Gage , and U. Stenevi. "Transplantation of Mesen-Cephalic Dopamine Neurons to the Striatum of Adult Rats." In <i>Transplantation in the Mammalian Cns</i> , edited by A. Bjorklund and U. Stenevi, 5, 451-171. Amsterdam: Elsevier Press, 1985.
76	Dunnett, S., A. Bjorklund, P. Brundin, O. Isacson, and F.H. Gage . "Transplantation of Dopamine Cell Suspensions to the Dopamine-Depleted Neostriatum." In <i>Parkinson's Disease</i> , edited by G. Stern, 1985.
75	Brundin, P., O. G. Nilsson, F. H. Gage , and A. Bjorklund. "Cyclosporin a Increases Survival of Cross-Species Intrastratial Grafts of Embryonic Dopamine-Containing Neurons." <i>Exp Brain Res</i> 60, no. 1 (1985): 204-8.
74	Brundin, P. , O. Isacson, F.H. Gage , U. Stenevi, and A. Bjorklund. "Intracerebral Grafts of Neuronal Cell Suspensions." In <i>Transplantation in the Mammalian Cns</i> edited by A. Bjorklund and U. Stenevi, 5, 51-61. Amsterdam: Elsevier Press, 1985.
73	Brundin, P., G. Barbin, O. Isacson, M. Mallat, B. Chamak, A. Prochiantz, F. H. Gage , and A. Bjorklund. "Survival of Intracerebrally Grafted Rat Dopamine Neurons Previously Cultured in Vitro." <i>Neurosci Lett</i> 61, no. 1-2 (1985): 79-84.
72	Bjorklund, A., F. H. Gage , U. Stenevi, S. B. Dunnett, and P. A. Kelly. "Intracerebral Neural Grafting in Animal Models of Aging Brain: Strategies, Rationale and Preliminary Results." <i>Dan Med Bull</i> 32 Suppl 1 (1985): 35-9.
71	Bjorklund, A., and F. H. Gage . "Neural Grafting in Animal Models of Neurodegenerative Diseases." <i>Ann N Y Acad Sci</i> 457 (1985): 53-81.
70	Bjorklund, A. , and F.H. Gage . "Neuronal Replacement after Traumatic or Age-Dependent Brain Damage: A Review of Experimental Work in Rodents." <i>International Journal of Technology Assessment in Health Care</i> (1985).
69	Bengtsson, F., F. H. Gage , B. Jeppsson, A. Nobin, and E. Rosengren. "Brain Monoamine Metabolism and Behavior in Portacaval-Shunted Rats." <i>Exp Neurol</i> 90, no. 1 (1985): 21-35.
68	Stewart, G. R., C. J. Frederickson, G. A. Howell, and F. H. Gage . "Cholinergic Denervation-Induced Increase of Chelatable Zinc in Mossy-Fiber Region of the Hippocampal Formation." <i>Brain Res</i> 290, no. 1 (1984): 43-51.
67	Isacson, O., P. Brundin, P. A. Kelly, F. H. Gage , and A. Bjorklund. "Functional Neuronal Replacement by Grafted Striatal Neurones in the Ibotenic Acid-Lesioned Rat Striatum." <i>Nature</i> 311, no. 5985 (1984): 458-60.
66	Gage, F. H. P. A. Kelly, and A. Bjorklund. "Regional Changes in Brain Glucose Metabolism Reflect Cognitive Impairments in Aged Rats." <i>J Neurosci</i> 4, no. 11 (1984): 2856-65.
65	Gage, F. H. S. B. Dunnett, and A. Bjorklund. "Spatial Learning and Motor Deficits in Aged Rats." <i>Neurobiol Aging</i> 5, no. 1 (1984): 43-8.
64	Gage, F. H. A. Bjorklund, U. Stenevi, S. B. Dunnett, and P. A. Kelly. "Intrahippocampal Septal Grafts Ameliorate Learning Impairments in Aged Rats." <i>Science</i> 225, no. 4661 (1984): 533-6.
63	Gage, F.H. , A. Bjorklund, and U. Stenevi. "Denervation Releases a Neuronal Survival Factor in Adult Rat Hippocampus." <i>Nature</i> 308, no. 5960 (1984): 637-9.

62	Gage, F. H. A. Bjorklund, and U. Stenevi. "Cells of Origin of the Ventral Cholinergic Septohippocampal Pathway Undergoing Compensatory Collateral Sprouting Following Fimbria-Fornix Transection." <i>Neurosci Lett</i> 44, no. 2 (1984): 211-6.
61	Gage, F. H. and A. Bjorklund. "Intracerebral Grafting of Neuronal Cell Suspensions into the Adult Brain." <i>Cent Nerv Syst Trauma</i> 1, no. 1 (1984): 47-56.
60	Gage, F.H. , A. Bjorklund, U. Stenevi, R.D. Schmidt, and S.B. Dunnett. "Intracerebral Grafting Od Embryonic Cholinergic Neurons in the Brain: Temporal and Spatial Features of Cell Survival and Ingrowth." In <i>Neuromodulation and Brain Function</i> , edited by G. Biggio, P.F. Spano, T. Toffano and G.L. Gess, 48, 381-89: Pergamon Press Ltd, 1984.
59	Gage, F.H. "Anatomy, Plasticity and Regeneration." In <i>5th Catecholamine Meeting: Proceedings</i> , edited by A. Dahlstrom E. Usdin, 229-230. New York: Alan R. Liss, 1984.
58	Fredrickson, C.J. , G.A. Howell, G.R. Stewart, J.P. Kesslak, and F.H. Gage . "A Possible Role of Zinc in Hippocampal Plasticity Following Cholinergic Denervation." In <i>The Neurobiology of Zinc</i> , edited by C.J. Frederickson, G.A. Howell and E.J. Kasarskis, 1. New York: A.R. Liss, 1984.
57	Evans, S. H., M. D. Chafetz, and F. H. Gage . "Taxonomic Abstraction in Psychobiology." <i>J Gen Psychol</i> 111, no. 2ND Half (1984): 209-27.
56	Dunnett, S. B., F. H. Gage , A. Bjorklund, U. Stenevi, W. C. Low, and S. D. Iversen. "Hippocampal Deafferentation: Transplant-Derived Reinnervation and Functional Recovery." <i>Acta Psychiatr Scand Suppl</i> 313 (1984): 46-56.
55	Dunnett, S. B., S. T. Bunch, F. H. Gage , and A. Bjorklund. "Dopamine-Rich Transplants in Rats with 6-OHda Lesions of the Ventral Tegmental Area. I. Effects on Spontaneous and Drug-Induced Locomotor Activity." <i>Behav Brain Res</i> 13, no. 1 (1984): 71-82.
54	Bjorklund, A. , S.B. Dunnet, F.H. Gage , and U. Stenevi. "Implantation of Suspensions of Dissociated Dopamine Neurons in the Rat Brain." In <i>5th Catecholamine Meeting: Proceedings</i> edited by E. Usdin and A. Dahlstrom. New York: Alan R. Liss, 1984.
53	Barker, D. J., A. J. Howard, and F. H. Gage . "Functional Significance of Sympathohippocampal Sprouting: Changes in Single Cell Spontaneous Activity." <i>Brain Res</i> 291, no. 2 (1984): 357-63.
52	Whipple, M. R., M. G. Reinecke, and F. H. Gage . "Inhibition of Synaptosomal Neurotransmitter Uptake by Hallucinogens." <i>J Neurochem</i> 40, no. 4 (1983): 1185-8.
51	Schmidt, R. H., A. Bjorklund, U. Stenevi, S. B. Dunnett, and F. H. Gage . "Intracerebral Grafting of Neuronal Cell Suspensions. Iii. Activity of Intrastratial Nigral Suspension Implants as Assessed by Measurements of Dopamine Synthesis and Metabolism." <i>Acta Physiol Scand Suppl</i> 522 (1983): 19-28.
50	Gage, F.H. , U. Stenevi, P. Moes, and A. Bjorklund. "Anatomical, Biochemical Andbehavioral Factors Related by Synaptogenesis of the Superior Cervical Ganglion Following Damage to the Central Nerbous System." In <i>Integrative Neurohumoral Mechanism: Physiological and Clinical Aspects</i> , edited by E. Endroczi, 51-62. Amsterdam: Elsevier North Holland Biomedical Press, 1983.
49	Gage, F.H. , S.B. Dunnett, U. Stenevi, and S.B. Dunnett. "Intracerebral Grafting in the Aged Brain." In <i>Aging of the Brain</i> , edited by W.H. Gispen and J. Taber, 125-137 Amsterdam: Elsevier Biomedical press, 1983.
48	Gage, F.H. , S.B. Dunnett, U. Stenevi, and A. Bjorklund. "Aged Rats: Recovery of Motor Impairments by Intrastratial Nigral Grafts." <i>Science</i> 221 (1983): 819-822.
47	Gage, F. H. S. B. Dunnett, P. Brundin, O. Isacson, and A. Bjorklund. "Intracerebral Grafting of Embryonic Neural Cells into the Adult Host Brain: An Overview of the Cell Suspension Method and Its Application." <i>Dev Neurosci</i> 6, no. 3 (1983): 137-51.
46	Gage, F.H. , A. Bjorklund, U. Stenevi, and S.B. Dunnett. "Functional Correlates of Compensatory Collateral Sprouting by Aminergic and Cholinergic Afferents in the Hippocampal Formation." <i>Brain Res</i> 268, no. 1 (1983): 39-47.
45	Gage, F. H. A. Bjorklund, U. Stenevi, and S. B. Dunnett. "Intracerebral Grafting of Neuronal Cell Suspensions. Viii. Survival and Growth of Implants of Nigral and Septal Cell Suspensions in Intact Brains of Aged Rats." <i>Acta Physiol Scand Suppl</i> 522 (1983): 67-75.
44	Gage, F.H. , A. Bjorklund, and U. Stenevi. "Local Regulation of Compensatory Noradrenergic Hyperactivity in the Partially Denervated Hippocampus." <i>Nature</i> 303, no. 5920 (1983): 819-21.
43	Gage, F. H. A. Bjorklund, and U. Stenevi. "Reinnervation of the Partially Deafferented Hippocampus by Compensatory Collateral Sprouting from Spared Cholinergic and Noradrenergic Afferents." <i>Brain Res</i> 268, no. 1 (1983): 27-37.
42	Chafetz, M. D., and F. H. Gage . "Pineal and Habenula Innervation Altered by Septal Lesions." <i>Brain Res Bull</i> 10,

	no. 1 (1983): 27-31.
41	Bjorklund, A., U. Stenevi, R.H. Schmidt, S. B. Dunnett, and F.H. Gage . "Intracerebral Grafting of Neuronal Cell Suspensions. Ii. Survival and Growth of Nigral Cell Suspensions Implanted in Different Brain Sites." <i>Acta Physiol Scand Suppl 522</i> (1983): 9-18.
40	Bjorklund, A., U. Stenevi, R. H. Schmidt, S. B. Dunnett, and F. H. Gage . "Intracerebral Grafting of Neuronal Cell Suspensions. I. Introduction and General Methods of Preparation." <i>Acta Physiol Scand Suppl 522</i> (1983): 1-7.
39	Bjorklund, A., F. H. Gage , U. Stenevi, and S. B. Dunnett. "Intracerebral Grafting of Neuronal Cell Suspensions. Vi. Survival and Growth of Intrahippocampal Implants of Septal Cell Suspensions." <i>Acta Physiol Scand Suppl 522</i> (1983): 49-58.
38	Bjorklund, A., F. H. Gage , R. H. Schmidt, U. Stenevi, and S. B. Dunnett. "Intracerebral Grafting of Neuronal Cell Suspensions. Vii. Recovery of Choline Acetyltransferase Activity and Acetylcholine Synthesis in the Denervated Hippocampus Reinnervated by Septal Suspension Implants." <i>Acta Physiol Scand Suppl 522</i> (1983): 59-66.
37	Turner, F. D., and F. H. Gage . "Behavioral Kinetics: Dynamics of the Unconditioned Response to Footshock." <i>Physiol Behav</i> 29, no. 5 (1982): 957-60.
36	Gage, F. H. S. B. Dunnett, A. Bjorklund, and U. Stenevi. "Functional Recovery Following Brain Damage: Conceptual Frameworks and Biological Mechanisms." <i>Scand J Psychol Suppl 1</i> (1982): 112-20.
35	Dunnett, S. B., F. H. Gage , A. Bjorklund, U. Stenevi, W. C. Low, and S. D. Iversen. "Hippocampal Deafferentation: Transplant-Derived Reinnervation and Functional Recovery." <i>Scand J Psychol Suppl 1</i> (1982): 104-11.
34	Chafetz, M. D., and F. H. Gage . "Fluorescence Measurement of Lesion-Induced Fiber Growth. I. A Microfluorometric Technique to Measure Density and Intensity of Varicosities and Fibers." <i>Brain Res</i> 247, no. 2 (1982): 209-16.
33	Chafetz, M. D., S. Evans, and F. H. Gage . "Fluorescence Measurement of Lesion-Induced Fiber Growth. Ii. Measurement of Sympathohippocampal Sprouting Using a New Microfluorometric Method." <i>Brain Res</i> 247, no. 2 (1982): 217-25.
32	Chafetz, M.D., S. Evans, and F.H. Gage . "Recovery of Function from Septal Damage and the Growth of Sympathohippocampal Fibers." <i>Physiological Psychology</i> 10, no. 4 (1982): 391-398.
31	Bjorklund, A., U. Stenevi, S. B. Dunnett, and F. H. Gage . "Cross-Species Neural Grafting in a Rat Model of Parkinson's Disease." <i>Nature</i> 298, no. 5875 (1982): 652-4.
30	Thompson, R. G., J. J. Valdes, and F. H. Gage . "Reversible Alterations in Hypothalamic Uptake of Biogenic Amines after Septal Lesions." <i>Exp Neurol</i> 74, no. 2 (1981): 356-69.
29	Gage, F. H. and J. E. Springer. "Behavioral Assessment of Norepinephrine and Serotonin Function and Interaction in the Hippocampal Formation." <i>Pharmacol Biochem Behav</i> 14, no. 6 (1981): 815-21.
28	Gage, F.H. , and S.H. Evans. "Exploratory Analysis of Deficits in Drl Performance Induced by Medial and Lateral Fornix Damage." <i>Physiological Psychology</i> 9, no. 1 (1981): 49-53.
27	Evans, S.H., J.D. Neideffer, and F.H. Gage . "Apl Functions for Interactive Data Analysis: Principal Components Analysis." <i>Behavior Research Methods and Instrumentation</i> 74 (1981): 356-369.
26	Chafetz, M. D., R. G. Thompson, S. H. Evans, and F. H. Gage . "Biochemical Specificity of Septal Hyperreactivity: A Behavioral Discrimination." <i>Behav Brain Res</i> 2, no. 3 (1981): 409-20.
25	Valdes, J. J., W. R. Cameron, S. Evans, and F. H. Gage . "Regional Brain Morphine Injections Selectively Attenuate Aspects of Septal Hyperreactivity: A Multivariate Assessment." <i>Pharmacol Biochem Behav</i> 12, no. 4 (1980): 563-72.
24	Gage, F. H. J. J. Valdes, and R. G. Thompson. "Morphine Injections into the Periaqueductal-Periventricular Gray Attenuate Septal Hyperreactivity." <i>Psychopharmacology (Berl)</i> 70, no. 1 (1980): 113-4.
23	Gage, F. H. and R. G. Thompson. "Differential Distribution of Norepinephrine and Serotonin Along the Dorsal-Ventral Axis of the Hippocampal Formation." <i>Brain Res Bull</i> 5, no. 6 (1980): 771-3.
22	Gage, F. H. D. R. Armstrong, and R. G. Thompson. "Behavioral Kinetics: A Method for Deriving Qualitative and Quantitative Changes in Sensory Responsiveness Following Septal Nuclei Damage." <i>Physiol Behav</i> 24, no. 3 (1980): 479-84.
21	Evans, S.H., J.D. Neideffer, and F.H. Gage . "Apl Functions for Interactive Data Analysis: Graphics and Labels." <i>Behavior Research Methods and Instrumentation</i> 12 (1980): 541-545.
20	Evans, S.H., and F.H. Gage . "Apl Programs for Interactive Data Analysis: Correlations and Data Entry." <i>Behavior Research Methods and Instrumentation</i> 12, no. 3 (1980): 372-375.
19	Gage, F.H. , S.H. Evans, and D.S. Olton. "A Multivariate Approach to the Analysis of Differential Reinforcement of Low Rates of Responding (Drl) Paradigm." <i>Animal Behavior and Learning</i> 7, no. 3 (1979): 323-327.

18	Evans, S.H., and F.H. Gage . "Apl Programs for Interactive Data Analysis: Basic Statistics and Histograms." <i>Behavior Research Methods and Instrumentation</i> 6 (1979): 605-606.
17	Cameron, W. R., F. H. Gage , 3rd, J. C. Hitt, and H. B. Popolow. "The Influence of the Anterodorsal Hippocampus on Feminine Sexual Behavior in Rats." <i>Behav Neural Biol</i> 27, no. 1 (1979): 72-86.
16	Babitch, J. A., F. H. Gage , and J. J. Valdes. "Effects of Phalloidin on K+-Dependent, Ca2+-Independent Neurotransmitter Efflux and K+-Facilitated, Ca2+-Dependent Neurotransmitter Release." <i>Life Sci</i> 24, no. 2 (1979): 117-24.
15	Olton, D. S., J. A. Walker, and F. H. Gage . "Hippocampal Connections and Spatial Discrimination." <i>Brain Res</i> 139, no. 2 (1978): 295-308.
14	Gage, F.H. , D.S. Olton, and C. Murphy. "Septal Hyperreactivity: A Multivariate Analysis of Neuroanatomical Correlates." <i>Physiological Psychology</i> 6, no. 3 (1978): 314-318.
13	Gage, F. H. R. G. Thompson, and J. J. Valdes. "Endogenous Norepinephrine and Serotonin within the Hippocampal Formation During the Development and Recovery from Septal Hyperreactivity." <i>Pharmacol Biochem Behav</i> 9, no. 3 (1978): 359-67.
12	Gage, F. H. D. S. Olton, and D. Bolanowski. "Activity, Reactivity, and Dominance Following Septal Lesions in Rats." <i>Behav Biol</i> 22, no. 2 (1978): 203-10.
11	Gage, F.H. , and A.F. Lieberman. "A Multivariate Analysis of Social Dominance in Children." <i>Aggressive Behavior</i> 4, no. 3 (1978): 219-230.
10	Gage, F.H. "A Multivariate Approach to the Analysis of Social Dominance." <i>Behavioral Biology</i> 23 (1978): 38-57.
9	Olton, D. S., J.A. Walker, F.H. Gage , and C.T. Johnson. "Choice Behavior of Rats Searching for Food." <i>Learning and Motivation</i> 8 (1977): 315-331.
8	Johnson, C. T., D. S. Olton, F. H. Gage , 3rd, and P. G. Jenko. "Damage to Hippocampus and Hippocampal Connections: Effects on Drl and Spontaneous Alternation." <i>J Comp Physiol Psychol</i> 91, no. 3 (1977): 508-22.
7	Olton, D.S. , and F.H. Gage . "Behavioral, Anatomical, and Biochemical Aspects of Septal Hyperreactivity." In <i>Proceedings of the First International Symposium on the Septum</i> , edited by J.F . DeFrance, 1976.
6	Jenko, P. G., F. H. Gage , 3rd, and D. S. Olton. "Time-Dependent Fornix Influence on Increased Light Aversion Induced by Septal Lesions." <i>Physiol Behav</i> 17, no. 4 (1976): 607-14.
5	Gage, F. H. and D. S. Olton. "L-Dopa Reduces Hyperreactivity Induced by Septal Lesions in Rats." <i>Behav Biol</i> 17, no. 2 (1976): 213-8.
4	Gage, F.H. , and D.S. Olton. "Hippocampal Influence on Hyperreactivity Induced by Septal Lesions." <i>Brain Res</i> 98, no. 2 (1975): 311-25.
3	Olton, D. S., and F. H. Gage , 3rd. "Role of the Fornix in the Septal Syndrome." <i>Physiol Behav</i> 13, no. 2 (1974): 269-79.
2	Woodruff, M. L., F. H. Gage , 3rd, and R. L. Isaacson. "Changes in Focal Epileptic Activity Produced by Brain-Stem Sections in the Rabbit." <i>Electroencephalogr Clin Neurophysiol</i> 35, no. 5 (1973): 475-86.
1	Isaacson, R. L., and F. H. Gage , 3rd. "Hypothalamic Stimulation and the Persistence of Epileptiform Discharges." <i>Brain Res</i> 49, no. 1 (1973): 194-9.