Curriculum Vitae December 16, 2011

Peter L. Strick

DEGREES: B.A., University of Pennsylvania, 1968
Ph.D., University of Pennsylvania, 1972

PRESENT POSITION:

Senior Research Career Scientist, Research Service, Pittsburgh VA Medical Center
Distinguished Professor of Neurobiology, University of Pittsburgh School of Medicine
Endowed Chair in Systems Neuroscience
Co-Director, Center for the Neural Basis of Cognition (CNBC),
Director, Systems Neuroscience Institute
Professor, Departments of Neurological Surgery, Physical Medicine & Rehabilitation, and Psychiatry

BIOGRAPHICAL:

Date of Birth: August 10, 1946
Place of Birth: Philadelphia, PA
Marital Status: Married: Lisa Wilson Strick
Children: Benjamin Wilson Strick, 3/3/76
Eli Peter Strick, 12/8/77

TRAINING AND POSITIONS HELD:

1968 - B.A., University of Pennsylvania, Philadelphia PA, Biology
1972 - Ph.D., University of Pennsylvania, Philadelphia PA, Anatomy
1968-72 - Predoctoral NIH Training Fellow at University of Pennsylvania, Department of Anatomy (Advisors: Dr. William W. Chambers, Dr. Peter Hand and Dr. Peter Sterling)

1972-74 - Staff Fellow in Laboratory of Neurophysiology, National Institute of Mental Health, Bethesda MD, (Lab Chief: Dr. Edward V. Evarts)
1974-76 - Senior Staff Fellow in Laboratory of Neurophysiology, National Institute of Mental Health, Bethesda MD (Lab Chief: Dr. Edward V. Evarts)

1976-82 - Staff Neurophysiologist, VA Medical Center, Syracuse NY
1976-79 - Assistant Professor in Department of Neurosurgery, Assistant Professor in Department of Physiology, SUNY-Upstate Medical Center, Syracuse NY
1979-82 - Associate Professor in Department of Neurosurgery, Associate Professor in Department of Physiology, SUNY-Upstate Medical Center, Syracuse NY
1982-99 - Professor in Department of Neurosurgery, Professor in Department of Physiology, SUNY-Health Science Center @ Syracuse, Syracuse NY
1982-87 - Associate Research Career Scientist, VA Medical Center, Syracuse NY
1987 - Research Career Scientist, VA Medical Center, Syracuse NY

(Cont'd.)

TRAINING AND POSITIONS HELD (Cont'd):

1987,88 - Visiting Professor, Department of Anatomy, Cambridge University (Sponsor: Dr. H.G.J.M. Kuypers), July-Sept.; Nov.-Jan.

1988-99 - Appointed, George W. Perkins, III Memorial Professorship in Neurosurgery, SUNY-Health Science Center @ Syracuse, Syracuse NY

1993-94 - Visiting Professor, Department of Physiology & MRI Center, University of Minnesota, Minneapolis MN

1994-96 - Acting President, Central New York Research Corporation, Syracuse NY
1997-98 - Interim Director, Neuroscience Program, SUNY-Health Science Center @ Syracuse, Syracuse NY

2000 - - Co-Director, Center for the Neural Basis of Cognition, University of Pittsburgh, Pittsburgh, PA
2000 - - Professor, Departments of Neurobiology (primary appointment), Neurological Surgery and Psychiatry (secondary), University of Pittsburgh School of Medicine, Pittsburgh, PA
2001-03 - Interim Chair, Department of Neurobiology, University of Pittsburgh School of Medicine, Pittsburgh, PA
2001-03 - Interim Co-Director, Center for Neuroscience at the University of Pittsburgh, Pittsburgh, PA
2001-06 - Co-Director of the Brain Imaging Research Center, University of Pittsburgh, Pittsburgh, PA
2006 - - Adjunct Professor (with Advising Privileges), Department of Biological Sciences, Carnegie Mellon University, Pittsburgh, PA
2007- Director, Systems Neuroscience Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA
2008- - Professor, Department of Physical Medicine and Rehabilitation (secondary appointment), University of Pittsburgh School of Medicine, Pittsburgh, PA
2009- - Endowed Chair in Systems Neuroscience in the University of Pittsburgh School of Medicine, Pittsburgh, PA.
2010- - Director, Neuroscience Imaging Center, University of Pittsburgh, PA
2011- - Distinguished Professor of Neurobiology, University of Pittsburgh, PA

HONORS:

C.J. Herrick Award from the American Association of Anatomists, 1979
Superior Performance Award from the Veterans Administration, annually since 1981
Associate Research Career Scientist Award from the Veterans Administration, 1982
Appointed, Neurology B Study Section, Division of Research Grants, NIH, 1982-86
Javits Neuroscience Investigator Award, 1986
Research Career Scientist Award, Veterans Administration, 1987,1994, 2001, 2008-
Grass Traveling Scientist, Mississippi Chapt. Soc. for Neuroscience, Jackson MS, 1991
Established Investigator Award, NARSAD, 1995-1996
Editor-in-Chief, Journal of Neurophysiology, July, 1995-1998, 1998-2002

HONORS (Cont'd):

Hans Kuypers Memorial Lecture, Queens Square, April 24, 1996
Elected, Scientific Councilor, Society for Neuroscience, 1996-2000
President's Award for Excellence and Leadership in Research, SUNY-HSC, 1996
Elected, Treasurer, Society for Neuroscience, 1998-2000
Editor, Trends in Neuroscience & Trends in Cognitive Science, Combined Special Issues on the Cerebellum, Sept. 1998
Frederick A. King Lecture, Yerkes Primate Center & Emory Univ., Dec. 10, 1998
Elected, Fellow, American Association for the Advancement of Science, 1999
Grass Traveling Scientist, Queens University Chapter Society for Neuroscience, 2002
Heller Lecture, Hebrew University, Jerusalem, October 25, 2002
Elected, Associate, Neuroscience Research Program, La Jolla, 2003
Editor, Cerebral Cortex (Systems Neuroscience and Neurophysiology section), 2003-
Grass Traveling Scientist, Indiana University Chapter Society for Neuroscience, 2004
Elected, Fellow, American Academy of Arts and Sciences, 2004
Bidwell Lecture, MIT, April 11, 2006
Notter Lecture, University of Rochester, November 16, 2006
Elected, Member, International Neuropsychology Symposium, 2007
Appointed, Sensorimotor Integration Study Section, CSR, NIH, 2007-2011
Appointed, Endowed Chair in Systems Neuroscience, University of Pittsburgh School of Medicine, Pittsburgh, PA, 2009
Appointed, Distinguished Professor of Neurobiology, University of Pittsburgh School of Medicine, Pittsburgh, PA, 2011

SCIENTIFIC SOCIETY AFFILIATIONS:

1. American Association for the Advancement of Science
2. American Association of Anatomists
3. The Cajal Club
4. Society for Neuroscience
5. American Physiological Society
6. International Neuropsychology Symposium

EDITORIAL BOARDS:

Journal of Neurophysiology, 1983-86; Section Editor, 1986-95; Editor-in-Chief, 1995-2002
Journal of Neuroscience, 1988-1994
Critical Reviews in Neurobiology, 1996-
Cerebral Cortex, 1998-2003; Senior Editor, 2003-
BrainMap Database/Journal, 2001-
The Cerebellum, 2001-
Current Opinion in Neurobiology, 2007-
Journal of Comparative Neurology, 2008-
Frontiers in Systems Neuroscience, Section Editor, 2009-

CURRENT RESEARCH GRANT SUPPORT:

1. VA Research Service: Principal Investigator, *"Central Control of Movement,"* 1976-81; 1981-86; 1986-89; 1989-1995; 1995-2000, 2000-2005, 2006-2009, 2010-2013.

2. USPHS-NIH 1 R01 NS24328: Principal Investigator, *"Premotor Areas in the Frontal Lobe,"* 1986-93 (Javits Award); 1994-1998; 2000-2005, 2006-2011, 2011-2016.

3. USPHS-NIH R01 MH56661: Principal Investigator, *"Basal Ganglia, Cerebellum and Higher Cortical Function,"* 1996-2001, 2002-2007, 2008-2013.

4. USPHS-NINDS P01 NS044393, Grafton, S., Principal Investigator; "Spatial and Temporal Scales of Motor Sequence Learning," Principal Investigator Proj. 1, Strick, Peter L.: *"Sequence Learning in Motor Cortical Areas"* 2010-2015.

5. USPHS-NCRR P40 RR018604: Biomedical Technology Resource Center Grant: Principal Investigator, *"National Center for Experimental Neuroanatomy with Neurotropic Viruses,"* 2004-2010, 2010-2016.

6. USPHS-NINDS P30 NS076405-01: Principal Investigator, *"Center for Neuroscience Research in Non-human Primates (CNRN)"*, 2011-2016, priority score: 34 (06-22-11).

STUDENT RESEARCH TRAINING:

Medical Students:

1. Peter Waters: Summer Fellow, Dept. of Neurosurgery, SUNY-Upstate Medical Center, June 1978
2. Daniel Galyon: Summer Fellow, Dept. of Neurosurgery, SUNY-Upstate Medical Center, June-Sept. 1981
3. Ray Stedwell: Summer Fellow, Dept. of Physiology, SUNY-Upstate Medical Center, June-Sept. 1982
4. Timothy J. Greenan: Research Fellowship (1 year between 2nd and 3rd years of medical school), Depts. of Neurosurgery and Physiology, SUNY-Upstate Medical Center, July 1983.
5. David Levinthal, M.D., Ph.D.: Research Rotation, University of Pittsburgh Medical School, March 2007 - June 2007.

Graduate Students:

1. Carol Pappas: Physiology Graduate Program, Dept. of Physiology, Sept. 1977 - Jan. 1981, awarded M.D. & Ph.D.
2. Paul Orioli: Physiology Graduate Program, Dept. of Physiology, Sept. 1983 - May 1989, awarded M.D. & M.S.
3. Ming Teh Lu: Neuroscience Graduate Program, Dept. of Physiology, Sept. 1986 - May 1993, awarded M.S.
4. Sanqiang He: Neuroscience Graduate Program, Dept. of Physiology, June 1988 - May 1992, awarded Ph.D.
5. Gregory Bortoff: Physiology Graduate Program, Dept. of Physiology, Sept. 1989 - July 1992, awarded M.D./Ph.D.
6. Frank A. Middleton: Neuroscience Graduate Program, Dept. of Physiology, May 1993 - 1998, awarded Ph.D.
7. Eric Cohen: Neuroscience Graduate Program, Dept. of Physiology, Oct. 1995 - transferred to another program Sept. 1997.
8. Roberta M. Kelly: Neuroscience Graduate Program, Dept. of Physiology, Sept. 1995 - 2000, awarded Ph.D.
9. Kara Pensenstadler: Bioengineering Graduate Program, Sept. 2002 - 2007, awarded M.S.
10. Andreea Bostan: Center for Neuroscience at the University of Pittsburgh, Aug., 2007 -
11. James Myers: Center for Neuroscience at the University of Pittsburgh, Aug., 2009-

Residents (*Fellowship Supported, P.L.S., Project Director):

1.* Julius D. Zant, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Upstate Medical Center, Oct. 1976 - June 1978.
2. Kamel Muakkassa, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Upstate Medical Center, June 1978 - July 1979.
3.* David Cawthon, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Upstate Medical Center, July 1978 - July 1979.
4. Gerry Schell, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Upstate Medical Center, Jan. 1982 - July 1983.

5. Daniel D. Galyon, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Upstate Medical Center, July 1983 - June 1985.
6. David C. Primrose, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Upstate Medical Center, July 1983 - June 1985.
7. Anthony M. Martino, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Health Science Center @ Syracuse, April 1985 - June 1986.
8.* Kenneth D. Hutchins, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Health Science Center @ Syracuse, July 1985 - June 1987.
9.* James W. Holsapple, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Health Science Center @ Syracuse, July 1987 - June 1990.
10.* Mark C. Zemanick, M.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Health Science Center @ Syracuse, July 1988 - June 1990.
11.* Cherylon Yarosh, M.D., Ph.D.: Resident in Neurosurgery, Dept. of Neurosurgery, SUNY-Health Science Center @ Syracuse, August 1994 - July 1996.
12.* Janine Simmons, M.D., Ph.D.: Resident in Psychiatry, Dept. of Psychiatry, Univ. of Pittsburgh, Jan. 1, 2001 - July 2001
13. John Y. Lee, M.D.: Resident in Neurological Surgery, Dept. of Neurological Surgery, University of Pittsburgh, July. 1, 2001 - April 2002.
14.* Keith Coffman, M.D.: Resident in Pediatric Neurology, University of Pittsburgh, Jan. 2005 -
15.* David Levinthal, M.D., Ph.D.: Resident in Internal Medicine, University of Pittsburgh, June 2008 -

Postdoctoral Fellows

1. Hajime Mushiake, M.D./Ph.D., from Dept. of Physiol., Tohoku Univ., Sendai, Japan
2. John Hoover, Ph.D., from Dept. of Physiology, SUNY-HSC @ Syr., Syracuse NY
3.* Nathalie Picard, Ph.D., from Dept. of Physiology, University of Montreal, Montreal, Canada (MRC Fellowship, Canada)
4.* Robert A. West, Ph.D., from Dept. of Neurobiology and Physiology, Northwestern University, Evanston IL., Sept. 1993- (N.R.S.A. Fellowship, NIH)
5.* Stephen Helms Tillery, Ph.D., from Dept. of Physiology, Univ. of Minn., Minneapolis MN, July 1994-1998 (NARSAD Young Investigator Award)
6. Yoshiya Matsuzaka, M.D./Ph.D., from Dept. of Physiology, Tohoku University, Sendai, Japan, May 1996-2000
7. Shinji Kakei, M.D./Ph.D., from Dept. of Physiology, Tokyo Medical and Dental School, Tokyo, Japan, August 1996-2000
8.* Jean-Alban Rathelot, Ph.D., from Dept. of Physiology, Centre de recherche “Cerveau et Cognition”, CNRS, Faculte de medecine de Rangueil, Toulouse, France, 1998-
9. Dottie M. Clower, Ph.D., from Neuroscience Program, Emory University, Atlanta, Georgia, 1999-2002
10. William T. Clower, Ph.D., from Neuroscience Program, Emory University, Atlanta, Georgia, 1999-2001
11. Dalila Akkal, Ph.D., from Laboratory of Neurophysiology, CNRS UMR 5543 in Bordeaux, France, 1999-2005

12.* Eiji Hoshi, M.D., Ph.D., from Dept. of Physiology, Tohoku University, Sendai, Japan, Sept. 2002-2005 (Human Frontiers in Science Fellowship)
13.* Kenji Yamamoto, M.D., Ph.D, from Neuroscience Research Institute, National Institute of AIST, Tsukuba, Japan, 2003-2007
14. Charlotte Taylor, Ph.D., from Princeton University, 2004-2005.
15. Foteini Delis, Ph.D., from Univ of Patras, Greece, 2004-2008
16. Machiko Obayashi, Ph.D., from Tokyo Univ., Japan, 2004- (Japan Society Fellowship)
17. Michelle Morrow, Ph.D., from Northwestern University, Chicago, IL, 2005- (NIH NRSA, NARSAD Fellowship)
18. Kenneth Reinert, Ph.D., from University of Minnesota, Minneapolis, MN, 2007-
19. Takahiro Ishikawa, Ph.D., from Tohoku University, Sendai, Japan, 2007-2010
20. Darcy Griffin, Ph.D., from Univ. of Kansas, Kansas City, 2009- (NIH-NRSA)

COMMITTEE RESPONSIBILITIES:

National/International:

Appointed to Neurology B Study Section, Division of Research Grants, NIH, 1982-1986
Appointed to Program Committee, Winter Conference on Brain Research, 1989-1992
Appointed to Publications Committee, Society for Neuroscience, 1989-1993
Appointed to Nominating Committee of the Cajal Club, American Association of Anatomists, 1990-1991
Elected to Organizing Committee, Winter Conference on Brain Research, 1991-1995
VA Research Scientist Evaluation and Eligibility Committee, 1991-1994
Conference Co-Chairman and Program Chair, Neural Control of Movement Society, 1991-2007
Appointed to Animals in Research Committee, Society for Neuroscience, 1993-1998
Appointed to Program Committee, Society for Neuroscience, 1994-1998
Ad Hoc Reviewer, NIMH Board of Scientific Councilors, Lab. of Cell Biology, May 1995
Appointed Member-at-Large for the AAAS Neuroscience Section, May 1995 - Feb. 1999
Appointed to Committee to Select Grass Lecturer, Society for Neuroscience, 1996-1998
Elected, Scientific Councilor, Society for Neuroscience, 1996-2000
Appointed to Public Information Committee, Society for Neuroscience, 1997-2000
Elected, Treasurer, Society for Neuroscience, 1998-2000
Appointed Member of the Advisory Council, International Association for the Study of Attention and Performance, 1999-
Appointed to Publications Committee, Society for Neuroscience, 1999-2002, Deputy Chair, 2001, Chair, 2002-2005
Elected, Member of the Electorate Nominating Committee of the Section on Neuroscience (V), AAAS, Feb. 21, 2001 - Feb. 17, 2004; Chair, 2003-2004
President and Conference Chair, Neural Control of Movement Society, 2007-
Appointed to NIH Sensorimotor Integration (SMI) Study Section, 2007-
Appointed to Audit Committee, Society for Neuroscience, 2008-2011

External Advisory Boards:

External Advisory Committee for Department of Neurobiology, Barrow Neurological Institute, 1993-1998
Scientific External Advisory Committee, Magnetic Resonance Research Imaging Center, University of Minnesota, NCRR Center Grant, K. Ugurbil, P.I.: 1994-1995; 2002-
External Advisory Committee, Magnetic Resonance Center, Med. College of Wisc., Prog. Proj. Grant, J. Hyde, P.I., 1993-; Chair 2001-
National Scientific Advisory Committee, Washington Regional Primate Center, 1995-
External Review Committee, Neuroscience Graduate Program, University of Conn., 2001
External Advisory Committee, "Functional and Physiological MR Imaging of the Brain," Univ. of Illnois, K. Thulborn, P.I., 2002-2007
Technology Advisory Committee, Pittsburgh Life Sciences Greenhouse (PLSG), 2002-
Appointed to International Advisory Board, Canadian Action and Perception Network, 2008-
Appointed to External Technical Review Committee, Center for Neuroscience and Regenerative Medicine, Uniform Services University, 2009-

SUNY-HSC @ Syracuse College of Medicine:

Educational Policies Committee, 1977-1979
Electives Subcommittee, 1978-1980
1st and 2nd Year Curriculum Subcommittee, 1978-1979
Faculty Appointments and Promotions Committee, 1984-1990
Committee for the Humane Use of Animals, 1986-1993
Neuroscience Graduate Program, Admissions Com., 1985-1999 (Chairman, 1985-1988)
Executive Committee, Center for Neuroscience, 1992-1993; 1997-1999
Search Committee, Provost, 1995
Chair, Search Committee, Director of Neuroscience Program, 1997

University of Pittsburgh:

Search Committee, Chair of Neurology, Sept. 2000
Non-Human Primate Steering Committee, Sept. 2000-
Advisory Committee, Pittsburgh NMR Center for Biomedical Research, 2000-
Pitt Med Advisory Board, Aug. 2001-
Co-Director, Brain Imaging Research Center, 2001- 2007
Executive Board of the Pittsburgh Development Center, Oct. 2001-
Executive Committee, School of Medicine, 2001-2003
Health Sciences Research Advisory Committee, 2001-
Internal Advisory Committee, Alzheimer's Disease Research Center, 2001-
Search Committee, Chair of Neurology, 2001
Executive Committee, Pittsburgh Institute of Neurodegenerative Disease, March, 2002-
Advisory Group, Translational Neuroscience Program, Dept. of Psychiatry, 2003-
Award Committee, Dickson Prize in Medicine, 2007-

Search Committee, Chair of Neurosurgery, 2007, 2009
Search Committee, Chair of Neurology, 2008
Search Committee, Chair of Psychiatry, 2008
Search Committee, Chair of Radiology, 2008

Veterans Administration Medical Center, Syracuse:

Project Review and Human Studies Subcommittee, 1977-1980
Animal Care Subcommittee, 1977-1989; Chairman, 1988-1989
Budget Subcommittee, 1979-1981; 1986-1999
Research and Development Committee, 1980-1983; 1985-1987; 1990-1992; 1994-1996; 1998-2000 (Chairman: 1985-1987; 1991-1992)
Biohazard Committee, 1994-1999
Central New York Research Corp., Acting President/Special Advisor, 1994-1996, 1996-1999

Veterans Administration Medical Center, Pittsburgh:

Research and Development Committee, 2000-2003
Scientific Review Subcommittee of the R/D committee, 2003-2006

TEACHING RESPONSIBILITIES: (Formal Courses)

SUNY-HSC @ Syracuse College of Medicine:

1. Neuroscience Course: SUNY-HSC@Syracuse, Medical School and Neuroscience Graduate Program. Lectures, laboratories and seminars on human motor control, motor cortex, cerebellum, basal ganglia and descending motor pathways, 1976-2000
2. Motor Systems Course: SUNY-HSC@Syracuse, Neuroscience Graduate Program and Dept. of Physiology. Lectures and seminars, 1977-2000
3. Neuroscience Concepts: SUNY-HSC@Syracuse, Resident Training Program, Dept. of Neurosurgery. Lectures and seminars, 1976-2000
4. Topics in Neuroscience: SUNY-HSC@Syracuse, Neuroscience Graduate Program. Lectures and seminars, 1981-2000
5. Neuroscience Colloquium: SUNY-HSC@Syracuse, Neuroscience Graduate Program. Lectures and seminars, 1986-2000
6. Neuroscience Course: SUNY-HSC@Syracuse, College of Health Related Professions. Lectures on human motor control, motor cortex, cerebellum, basal ganglia and descending motor pathways, 1995-2000
7. Issues and Principles in Science: SUNY-HSC@Syracuse, Graduate School of Arts and Sciences. Ethics of Publishing, 1995-2000

University of Pittsburgh:

1. Systems Neuroscience: Graduate Program Center for Neuroscience at the University of Pittsburgh. Lectures (4) on human motor control, motor cortex, cerebellum, basal ganglia and descending motor pathways, 2002-
2. Medical Neuroscience: University of Pittsburgh Medical School, MSII Lectures (4) on human motor control, motor cortex, cerebellum, basal ganglia and descending motor pathways, 2003-2005
3. Ethics in Science and Publishing: Center for the Neural Basis of Cognition, Lecturer and Discussion Leader, 2001-
4. Ethics Over Lunch: University of Pittsburgh, Graduate Program, Discussion Leader, 2002-
5. Cognitive Neuroscience: Graduate Program Center for Neuroscience at the University of Pittsburgh. Lecture- Functional Architecture of the Basal Ganglia, 2006-
6. Engineering in Medicine and Biology sSeminar Series: Graduate program in BioEngineering. Lecture: "Macro-architecture of basal ganglia and cerebellar loops with the cerebral cortex," 2008-

COMMUNITY ACTIVITIES:

Elected to Board - Bernice Wright Co-Operative Nursery School, 1980-1982
Elected to Board - Southeast University Neighbors Association, 1981-1983
Elected President of Board - Southeast University Neighbors Association, 1982-1983
Elected Co-Vice President of Board - Ed Smith Elementary School PTO, 1984-1986
Parents Advisory Council, Syracuse City School System, 1984-1990
Research Advisory Board, Pittsburgh Chapter of the National Parkinson's Foundation, 2001-

PUBLICATIONS:

1. Strick, P.L.: Cortical projections of the feline thalamic nucleus ventralis lateralis. Brain Res. 20: 130-134, 1970.

2. Strick, P.L., Hand, P.J. and Morrison, A.R.: Organization of thalamic projections to the motor cortex of the cat. In: Corticothalamic Projections and Sensorimotor Activities, T. Frigyesi, E. Rinvik and M.D. Yahr (Eds.), Raven Press, New York, 1972 (pp. 115-124).

3. Strick, P.L.: Light microscopic analysis of the cortical projection of the thalamic ventrolateral nucleus in the cat. Brain Res. 55: 1-24, 1973.

4. Strick, P.L. and Sterling, P.: Synaptic termination of the ventrolateral nucleus of the thalamus in the cat motor cortex. A light and electron microscope study. J. Comp. Neurol. 153: 77-106, 1974.

5. DeLong, M.R. and Strick, P.L.: Relation of basal ganglia, cerebellum, and motor cortex units to ramp and ballistic limb movements. Brain Res. 71: 327-335, 1974.

6. Strick, P.L.: Multiple sources of thalamic input to the primate motor cortex. Brain Res. 88: 372-377, 1975.

7. Kim, C.C. and Strick, P.L.: Critical factors influencing the demonstration of horseradish peroxidase retrograde axonal transport. Brain Res. 103: 356-361, 1976.

8. Strick, P.L.: Anatomical analysis of ventrolateral thalamic input to the primate motor cortex arm area. J. Neurophysiol. 39: 1020-1031, 1976.

9. Strick, P.L.: Activity of ventrolateral thalamic neurons during movement. J. Neurophysiol. 39: 1032-1044, 1976.

10. Strick, P.L., Burke, R.E., Kanda, K. and Kim, C.C.: Differences between alpha and gamma motoneurons labeled with horseradish peroxidase by retrograde transport. Brain Res. 113: 582-588, 1976.

11. Burke, R.E., Strick, P.L., Kanda, K., Kim, C.C. and Walmsley, B.: The anatomy of the medial gastrocnemius and soleus motor nuclei in the cat spinal cord. J. Neurophysiol. 40: 667-680, 1977.

12. Strick, P.L.: Cerebellar involvement in "volitional" muscle responses to load changes. In: Progress in Clinical Neurophysiology, 4: Cerebral Motor Control in Man: Long Loop Mechanisms, J.E. Desmedt (Ed.), Basel Karger, 1978 (pp. 85-93).

13. Strick, P.L. and Preston, J.B.: Multiple motor representation in the primate motor cortex. Brain Res. 154: 366-371, 1978.

14. Strick, P.L. and Preston, J.B.: Sorting of somatosensory afferent information in primate motor cortex. Brain Res. 156: 364-368, 1978.

15. Strick, P.L. and Preston, J.B.: Multiple representations in the motor cortex: A new concept of input-output organization for the forearm representation. In: Integration in the Nervous System, H. Asanuma and V.J. Wilson (Eds.), Igaku-Shoin Ltd., Tokyo, 1978 (pp. 205-222).

16. Strick, P.L. and Kim, C.C.: Input to primate motor cortex from posterior parietal cortex (area 5). I. Demonstration by retrograde transport. Brain Res. 157: 325-330, 1978.

17. Zarzecki, P., Strick, P.L. and Asanuma, H.: Input to primate motor cortex from posterior parietal cortex (area 5). II. Identification by antidromic activation. Brain Res. 157: 325-330, 1978.

18. Strick, P.L.: Control of peripheral input to the dentate nucleus by motor preparation. In: Developments in Neuroscience, 6: Cerebro-cerebellar Interactions, J. Massion and K. Sasaki (Eds.), Elsevier, Amsterdam, 1979 (pp. 185-201).

19. Strick, P.L.: Motor preparation: Influence on peripheral afferent input to motor cortex and cerebellum. Acta Neurol. Scand. Suppl. 73, 1979.

20. Pappas, C.L. and Strick, P.L.: Double representation of the distal forelimb in the cat motor cortex. Brain Res. 167: 412-416, 1979.

21. Muakkassa, K.F. and Strick, P.L.: Frontal lobe inputs to primate motor cortex: Evidence for four somatotopically organized "premotor" areas. Brain Res. 177: 176-182, 1979.

22. Waters, P. and Strick, P.L.: Influence of 'Strategy' on muscle activity during ballistic movements. Brain Res. 207: 189-194, 1981.

23. Pappas, C.L. and Strick, P.L.: Physiological demonstration of multiple representation in the forelimb region of the cat motor cortex. J. Comp. Neurol. 200: 481-490, 1981.

24. Pappas, C.L. and Strick, P.L.: Anatomical demonstration of multiple representation in the forelimb region of the cat motor cortex. J. Comp. Neurol. 200: 491-500, 1981.

25. Strick, P.L.: Motor preparation: Influence on peripheral feedback to motor cortex and cerebellum. In: Changing Concepts in the Nervous System, A.R. Morrison and P.L. Strick (Eds.), Academic Press, New York, 1981 (pp. 79-91).

26. Strick, P.L. and Preston, J.B.: Two representations of the hand in area 4 of a primate. I. Motor output organization. J. Neurophysiol. 48: 139-149, 1982.

27. Strick, P.L. and Preston, J.B.: Two representations of the hand in area 4 of a primate. II. Somatosensory input organization. J. Neurophysiol. 48: 150-159, 1982.

28. Strick, P.L. and Preston, J.B.: A new concept of input-output organization of primate motor cortex. In: Advances in Neurology, 39: Motor Control Mechanisms in Health and Disease,, J.E. Desmedt (Ed.), 1983 (pp. 321-329).

29. Strick, P.L.: The influence of motor preparation on the response of cerebellar neurons to limb displacements. J. Neurosci. 3: 2007-2020, 1983.

30. Schell, G.R. and Strick, P.L.: The origin of thalamic inputs to the arcuate premotor and supplementary motor areas. J. Neurosci. 4: 539-560, 1984.

31. Wise, S.P. and Strick, P.L.: Anatomical and physiological organization of the non-primary motor cortex. Trends in Neurosci. 7: 442-446, 1984.

32. Strick, P.L.: The cerebellum. Invited review of, The Cerebellum and Neural Control by M. Ito. Science 229: 547, 1985.

33. Strick, P.L.: How do the basal ganglia and cerebellum gain access to the cortical motor areas? Behav. Brain Res. 18: 107-123, 1985.

34. Greenan, T.J. and Strick, P.L.: Do thalamic regions which project to rostral primate motor cortex receive spinothalamic input? Brain Res. 362: 384-388, 1986.

35. Alexander, G.E., DeLong, M.R. and Strick, P.L.: Parallel organization of functionally segregated circuits linking basal ganglia and cortex. Ann. Rev. Neurosci. 9: 357-381, 1986.

36. Hoffman, D.S. and Strick, P.L.: Activity of wrist muscles during step-tracking movements in different directions. Brain Res. 367: 287-291, 1986.

37. Strick, P.L.: The organization of thalamic inputs to the 'premotor' areas. In: Progress in Brain Research, Vol. 64, H.-J. Freund, U. Buttner, B. Cohen and J. Noth (Eds.), 1986 (pp. 99-109).

38. Hoffman, D.S. and Strick, P.L.: Step-tracking movements of the wrist in humans. I. Kinematic analysis. J. Neurosci. 6: 3309-3318, 1986.

39. Martino, A.M. and Strick, P.L.: Corticospinal projections originate from the arcuate premotor area. Brain Res. 404: 307-312, 1987.

40. Strick, P.L.: Anatomical organization of multiple motor areas in the frontal lobe: Implications for recovery of function. In: Advances in Neurology, Vol. 47, S.G. Waxman (Ed.), Raven Press, New York, 1988 (pp. 293-312).

41. Hutchins, K.D., Martino, A.M. and Strick, P.L.: Corticospinal projections from the medial wall of the hemisphere. Exp. Brain Res. 71: 667-672, 1988.

42. Ugolini, G., Kuypers, H.G.J.M. and Strick, P.L.: Transneuronal transfer of Herpes Virus from peripheral nerves to cortex and brainstem. Science 243: 89-91, 1989.

43. Dum, R.P. and Strick, P.L.: Corticospinal projections from the motor areas in the frontal lobe. In: Taniguchi Symposia on Brain Sciences No. 12, Neural Programming, M. Ito (Ed.), Japan Sci. Soc. Press, Tokyo, 1989 (pp. 49-63).

44. Orioli, P.J. and Strick, P.L.: Cerebellar connections with the motor cortex and the arcuate premotor area: An analysis employing retrograde transneuronal transport of WGA-HRP. J. Comp. Neurol. 288: 612-626, 1989.

45. Hoffman, D.S. and Strick, P.L.: Force requirements and patterns of muscle activity. Behav. Brain Sci. 12: 221-224, 1989.

46. Hoffman, D.S. and Strick, P.L.: Step-tracking movements of the wrist in humans. II. EMG analysis. J. Neurosci. 10: 142-152, 1990.

47. Dum, R.P. and Strick, P.L.: Premotor areas: Nodal points for parallel efferent systems involved in the central control of movement. In: Motor Control: Concepts and Issues, D.R. Humphrey and H.-J. Freund (Eds.), John Wiley & Sons Ltd., London, 1991 (pp. 383-397).

48. Dum, R.P. and Strick, P.L.: The origin of corticospinal projections from the premotor areas in the frontal lobe. J. Neurosci. 11: 667-689, 1991.

49. Holsapple, J.W., Preston, J.B. and Strick, P.L.: The origin of thalamic inputs to the 'hand' representation in the primary motor cortex. J. Neurosci. 11: 2644-2654, 1991.

50. Zemanick, M.C., Strick, P.L. and Dix, R.D.: Transneuronal transport of herpes simplex virus type 1 in the primate motor system: Transport direction is strain dependent. Proc. Natl. Acad. Sci. 88: 8048-8051, 1991.

51. Dum, R.P. and Strick, P.L.: Medial wall motor areas and skeletomotor control. Current Opinion in Neurobiology 2: 836-839, 1992.

52. Strick, P.L. and Card, J.P.: Transneuronal mapping of neural circuits with alpha herpesviruses. In: Experimental Neuroanatomy: A Practical Approach, J.P. Bolam (Ed.), Oxford University Press, Oxford, 1992 (pp. 81-101).

53. Hoover, J.E. and Strick, P.L.: Multiple output channels in the basal ganglia. Science 259: 819-821, 1993.

54. He, S.-Q., Dum, R.P. and Strick, P.L.: Topographic organization of corticospinal projections from the frontal lobe: Motor areas on the lateral surface of the hemisphere. J. Neurosci. 13: 952-980, 1993.

55. Dum, R.P. and Strick, P.L.: Cingulate Motor Areas. In: Neurobiology of Cingulate Cortex and Limbic Thalamus, B.A. Vogt and M. Gabriel (Eds.), Birkhauser, Boston, 1993 (pp. 415-441).

56. Strick, P.L., Hoover, J.E. and Mushiake, H.: Evidence for "output channels" in the basal ganglia and cerebellum. In: Role of the Cerebellum and Basal Ganglia in Voluntary Movement, N. Mano, I. Hamada and M.R. DeLong (Eds.), Elsevier, 1993 (pp. 171-180).

57. Bortoff, G.A. and Strick, P.L.: Corticospinal terminations in two new-world primates: Further evidence that corticomotoneuronal connections provide part of the neural substrate for manual dexterity. J. Neurosci. 13: 5105-5118, 1993.

58. Hoffman, D.S. and Strick, P.L.: Step-tracking movements of the wrist. III. Influence of changes in load on patterns of muscle activity. J. Neurosci. 13: 5212-5227, 1993.

59. Mushiake, H. and Strick, P.L.: Preferential activity of dentate neurons during limb movements guided by vision. J. Neurophysiol. 70: 2660-2664, 1993.

60. Lu, M.-T., Preston, J.B. and Strick, P.L.: Interconnections between the prefrontal cortex and the premotor areas in the frontal lobe. J. Comp. Neurol. 341: 375-392, 1994.

61. Lynch, J.C., Hoover, J.E. and Strick, P.L.: Input to the primate frontal eye field from the substantia nigra, superior colliculus, and dentate nucleus demonstrated by transneuronal transport. Exp. Brain Res. 100: 181-186, 1994.

62. Kim, S-G., Ugurbil, K. and Strick, P.L.: Activation of a cerebellar output nucleus during cognitive processing. Science 265: 949-951, 1994.

63. Middleton, F.A. and Strick, P.L.: Anatomical evidence for cerebellar and basal ganglia involvement in higher cognitive function. Science 266: 458-461, 1994.

64. He, S.-Q., Dum, R.P. and Strick, P.L.: Topographic organization of corticospinal projections from the frontal lobe: Motor areas on the medial surface of the hemisphere. J. Neurosci. 15: 3284-3306, 1995.

65. Strick, P.L., Dum, R.P. and Picard, N.: Macro-organization of the circuits connecting the basal ganglia with the cortical motor areas. In: Models of Information Processing in the Basal Ganglia, J.C. Houk, J.L. Davis and D.G. Beiser (Eds.), MIT Press, Cambridge MA, 1995 (pp. 117-130).

66. Hoffman, D.S. and Strick, P.L.: Effects of a primary motor cortex lesion on step-tracking movements of the wrist. J. Neurophysiol. 73: 891-895, 1995.

67. Strick, P.L., Dum, R.P. and Mushiake, H.: Basal ganglia 'loops' with the cerebral cortex. In: Functions of the Cortico-Basal Ganglia Loop, M. Kimura and A.M. Graybiel (Eds.), Springer-Verlag, Tokyo, 1995 (pp. 106-124).

68. Mushiake, H. and Strick, P.L.: Pallidal neuron activity during sequential arm movements. J. Neurophysiol. 74: 2754-2758, 1995.

69. Dum, R.P. and Strick, P.L.: The corticospinal system: A structural framework for the central control of movement. In: Handbook of Physiology, Section 12: Exercise: Regulation and Integration of Multiple Systems, L.B. Rowell and J.T. Shepherd (Eds.), Oxford University Press, New York, 1996 (pp. 217-254).

70. Picard, N. and Strick, P.L.: Motor areas of the medial wall: A review of their location and functional activation. Cerebral Cortex 6: 342-353, 1996.

71. Middleton, F.A. and Strick, P.L.: The temporal lobe is a target of output from the basal ganglia. Proc. Natl. Acad. Sci. 93: 8683-8687, 1996.

72. Dum, R.P. and Strick, P.L.: Spinal cord terminations of the medial wall motor areas in macaque monkeys. J. Neurosci. 16: 6513-6525, 1996.

73. Middelton, F.A. and Strick, P.L.: Basal ganglia and cerebellar output influences non-motor function. Molecular Psychiatry 1:429-433, 1996.

74. Middleton, F.A. and Strick, P.L.: New concepts regarding the organization of basal ganglia and cerebellar ouput. In: Integrative and Molecular Approach to Brain Function, M. Ito and Y. Miyashita (Eds.), Elsevier Science, 1996 (pp. 253-271).

75. Middleton, F.A. and Strick, P.L.: New concepts about the organization of basal ganglia output. In: Advances in Neurology. 74: The Basal Ganglia and New Surgical Approaches for Parkinson's Disease, J.A. Obeso, M.R. DeLong, C. Ohye and C.D. Marsden (Eds.), Lippincott-Raven, Philadelphia, 1997 (pp. 57-68).

76. Middleton, F.A. and Strick, P.L.: Dentate output channels: Motor and cognitive components. In: Progress in Brain Research. 114: The Cerebellum from Structure to Control, C.I. De Zeeuw, P. Strata and J. Voogd (Eds.), Elsevier, Amsterdam, 1997 (pp. 553-566).

77. Picard, N. and Strick, P.L.: Activation on the medial wall during remembered sequences of reaching movements in monkeys. J. Neurophysiol. 77: 2197-2201, 1997.

78. Middleton, F.A. and Strick, P.L.: Cerebellar output channels. In: Intl. Review of Neurobiology. 41: The Cerebellum and Cognition, J. Schmahmann (Ed.), Academic Press, San Diego, 1997 (pp. 61-82).

79. Pfann, K.D., Hoffman, D.S., Gottlieb, G.L., Strick, P.L., and Corcos, D.M.: Common principles underlying the control of rapid, single degree-of-freedom movements at different joints. Exp. Brain Res. 118: 35-51, 1998.

80. Middleton, F.A. and Strick, P.L.: The cerebellum: An overview. Trends in Neurosci. 21: 367-369, 1998.

81. Middleton, F.A. and Strick, P.L.: Cerebellar output: Motor and cognitive channels. Trends in Cognit. Sci. 2: 348-354, 1998.

82. Strick, P.L., Dum, R.P. and Picard, N.: Motor areas on the medial wall of the hemisphere. Novartis Found. Symp. 218: 64-75, 1998.

83. Hoover, J.E. and Strick, P.L.: The organization of cerebellar and basal ganglia outputs to primary motor cortex as revealed by retrograde transneuronal transport of herpes simplex virus type 1. J. Neurosci. 19: 1446-1463, 1999.

84. Hoffman, D.S. and Strick, P.L.: Step-tracking movements of the wrist. IV. Muscle activity associated with movements in different directions. J. Neurophysiol. 81: 319-33, 1999.

85. Strick, P.L.. and Middleton, F.A.: The basal ganglia. In: The MIT Encyclopedia of the Cognitive Sciences. R. Wilson, F. Keil (Eds), MIT Press, Cambridge, 1999 (pp. 67-70).

86. Kakei, S., Hoffman, D.S. and Strick, P.L.: Muscle and movement representation in the primary motor cortex. Science 285: 2136-2139, 1999.

87. Middleton, F.A. and Strick, P.L.: Basal ganglia and cerebellar loops: motor and cognitive circuits. Brain Res. Reviews 31: 236-250, 2000.

88. Middleton, F.A. and Strick, P.L.: Basal ganglia output and cognition: Evidence from anatomical, behavioral and clinical studies. Brain and Cognition 42: 183-200, 2000.

89. Gregory H, Erhard, P., Kassubek, J., Helms-Tillery, A.K., Naeve-Velguth, S., Strupp, J.P., Strick, P.L., Ugurbil, K.: A functional magnetic resonance imaging study of the role of left posterior superior temporal gyrus in speech production: implications for the explanation of conduction aphasia. Neuroscience Letters 287: 156-160, 2000.

90. Middleton, F.A. and Strick, P.L.: A revised neuroanatomy of frontal subcortical circuits. In: Frontal-Subcortical Circuits in Psychiatry and Neurology, D.G. Lichter and J.L. Cummings (Eds,). Guilford Publ., NY, 2000 (pp 44-58).

91. Kelly, R.M. and Strick, P.L.: Rabies as a transneuronal tracer of circuits in the central nervous system. J. Neurosci. Methods 103: 63-71, 2000.

92. Middleton, F.A. and Strick, P.L. : Cerebellar ‘projections’ to the prefrontal cortex of the primate. J. Neurosci. 21: 700-712, 2001.

93. Pimenta, A.F., Strick, P.L. and Levitt, P.R.: A novel proteoglycan epitope is expressed in functionally discrete patterns in primate cortical and subcortical regions. J. Comp. Neurol. 430: 369-388, 2001.

94. Clower, D.M., West, R.A., Lynch, J.C. and Strick, P.L.: The inferior parietal lobule is the target of output from the superior colliculus, hippocampus and cerebellum. J. Neurosci. 21: 6283–6291, 2001.

95. Kakei, S., Hoffman, D.S. and Strick, P.L.: Direction of action is represented in the ventral premotor cortex. Nature Neurosci. 4: 1020-1025, 2001.

96. Picard, N. and Strick, P.L.: Imaging the premotor areas. Cur. Opin. Neurobiol. 11: 663-672, 2001.

97. Strick, P.L.: Stimulating research in motor cortex. Nature Neurosci. 5: 714-715, 2002.

98. Middleton, F.A. and Strick, P.L.: Basal ganglia 'projections' to the prefrontal cortex. Cerebral Cortex 12: 926-935, 2002.

99. Dum, R.P. and Strick, P.L.: Motor Areas in the Frontal Lobe of the Primate. Physiology and Behavior 77: 677-682, 2002.

100. Dum, R.P., Li, C. and Strick, P.L.: Motor and Non-Motor Domains in the Monkey Dentate. Ann. N.Y. Acad. Sci. 978: 289-301, 2002.

101. Dum, R.P. and Strick, P.L.: An Unfolded Map of the Cerebellar Dentate Nucleus and its Projections to the Cerebral Cortex. J. Neurophysiol. 89: 634-639, 2003.

102. Kakei, S, Hoffman, DS, Strick, PL: Sensorimotor transformations in cortical motor areas. Neurosci Res. 46: 1-10, 2003.

103. Picard, N. and Strick, P.L.: Activation of the Supplementary Motor Area (SMA) During Performance of Visually-guided Movements. Cerebral Cortex, 13: 977-986, 2003.

104. Kelly, R.M and Strick, P.L.: Cerebellar 'Loops' with Motor Cortex and Prefrontal Cortex of a Non-human Primate. J. Neurosci., 23: 8432-8444, 2003.

105. Kelly, R.M and Strick, P.L.: Macro-architecture of basal ganglia loops with the cerebral cortex: Use of rabies virus to reveal multisynaptic circuits. Progress in Brain Research 143, Chapter 42: 449-459, 2004.

106. Yarosh, C.A., Hoffman, D.S. and Strick, P.L.: Deficits in movements of the wrist ipsilateral to a stroke in hemiparetic subjects. J. Neurophysiol., 92: 3276–3285, 2004.

107. Dum, R.P. and Strick, P.L.: Motor areas in the frontal lobe: the anatomical substrate for the central control of movement. In: "Motor Cortex in Voluntary Movements", E. Vaadia and A. Riehle, Eds., CRC Press LLC, 2005 (pgs. 3-47).

108. Clower, D.M., Dum, R.P. and Strick, P.L.: Basal ganglia and cerebellar inputs to "AIP." Cereb. Cortex 15: 913-920, 2005.

109. Dum, R.P. and Strick, P.L.: Frontal lobe inputs to the digit representations in the motor areas on the lateral surface of the hemisphere. J. Neurosci. 25: 1375-86, 2005.

110. Taber, K.H., Strick, P.L., and Hurley, R.A.: Rabies and the cerebellum: new methods for tracing circuits in the brain. J Neuropsychiatry Clin Neurosci. 17: 133-139, 2005.

111. Hoshi, E., Tremblay, L., Feger, J., Carras,, P.L. and Strick, P.L.: The cerebellum "communicates" with the basal ganglia. Nat. Neurosci. 8:1491-1493, 2005.

112. Dum, R.P. and Strick, P.L.: Cerebellar Networks and Autism: An Anatomical Hypothesis. In: "Neurobiology of Autism in the Post-Genomic Era." S.O. Moldin and J.L.R. Rubenstein, Eds. CRC LLC Press. 2006 (pgs. 155-174).

113. Rathelot, J-A. and Strick, P.L.: "Muscle" representation in the primary motor cortex. An anatomical perspective. Proc. Natl. Acad. Sci. 103: 8257-8262, 2006. PMCID: PMC1461407

114. Yamamoto, K., Hoffman, D.S. and Strick, P.L.: Rapid and Long-lasting Plasticity of Input-Output Mapping. J. Neurophysiol. 96: 2797-2801, 2006.

115. Matsuzaka, Y., Picard, N. and Strick, P.L.: Skill representation in the primary motor cortex as a consequence of long-term practice. J. Neurophysiol., 97: 1819–1832, 2007.

116. Akkal, D., Dum, R.P and Strick, P.L.: Supplementary motor area and presupplementary motor area: targets of basal ganglia and cerebellar output. J. Neurosci. 27: 10659-10673, 2007.

117. Ting JA, D'Souza A, Yamamoto K, Yoshioka T, Hoffman D, Kakei S, Sergio L, Kalaska J, Kawato M, Strick P, and Schaal S.: Variational Bayesian least squares: an application to brain-machine interface data. Neural Netw. 21: 1112-1131, 2008. PMCID: PMC2622433

118. Rathelot, J.-A. and Strick, P.L.: Subdivisions of primary motor cortex based on cortico-motoneuronal cells. Proc. Natl. Acad. Sci. 106: 918-923, 2009. PMCID: PMC2621250

119. Strick, P.L., Dum, R.P. and Fiez, J.: Cerebellum and non-motor function. Annu. Rev. Neurosci. 32: 413-434, 2009.

120. Dum, R.P., Levinthal, D.J. and Strick, P.L.: The spinothalamic system targets motor and sensory areas in the cerebral cortex of monkeys. J. Neurosci. 29: 14223-35, 2009. PMCID: PMC2796243 [Available on 2010/5/11]

121. Phillips, K.A., Sobieski C.A., Gilbert, V.R., Chiappini-Williamson, C., Sherwood, C.C., and Strick, P.L.: The development of the basal ganglia in Capuchin monkeys (Cebus apella). Brain Res. 2010 [Epub ahead of print] PubMed PMID: 20227397.

122. Bostan, A.C., Dum, R.P. and Strick, P.L.: The basal ganglia communicate with the cerebellum. Proc. Natl. Acad. Sci. 107: 8452-6, 2010. Epub 2010 Apr 19. PubMed PMID: 20404184.

123. Bostan, A.C. and Strick, P.L.: The cerebellum and basal ganglia are interconnected. Neuropsychol. Rev. 20: 261-70., 2010. Epub 2010 Sep 3. PubMed PMID: 20811947.

124. Coffman, K.A., Dum, R.P. and Strick, P.L.: Cerebellar vermis is a target of projections from the motor areas of the cerebral cortex. Proc. Natl. Acad. Sci USA., 2011 Sep 12. [Epub ahead of print] PubMed PMID: 21911381.

125 Rünger, D., Ashby, F. G., Picard, N., & Strick, P. L.: Response-mode shifts during sequence learning of macaque monkeys. Psychological Research. 2011 doi:10.1007/s00426-011- 0402-z.

126. Strick, P.L. and Card, J.P.: Viral Transneuronal Tracing Technology: Defining the Synaptic Organization of Neural Circuits. In: eLS 2011, John Wiley & Sons, Ltd: Chichester http://www.els.net/ [DOI: 10.1002/9780470015902.a0022359].

127. Levinthal, D.J and Strick, P.L.: The motor cortex communicates with the kidney. *Under review*.

ABSTRACTS:

1. Strick, P.L.: Experimental study of thalamocortical projections from the nuclei ventralis lateralis (VL) and ventralis anterior (VA). Anat. Rec. 166: 384, 1970.

2. Strick, P.L.: Functional zones in the cat ventrolateral thalamus. Proc. 1st Ann. Mtg. Soc. Neurosci., 1971, p. 122.

3. Strick, P.L.: Termination of thalamic afferents in the cat motor cortex. Proc. 3rd Ann. Mtg. Soc. Neurosci., 1973, p. 243.

4. DeLong, M.R. and Strick, P.L.: Activity of basal ganglia, motor cortex, and cerebellar neurons during slow and rapid limb movements. Proc. 3rd Ann. Mtg. Soc. Neurosci., 1973, p. 187.

5. Strick, P.L.: Activity of neurons in the ventrolateral nucleus of the thalamus in relation to learned movement in the monkey. Proc. 4th Ann. Mtg. Soc. Neurosci., 1974, p. 442.

6. Strick, P.L., Burke, R.E., Kanda, K. and Kim, C.C.: Tracing spinal neurons projecting to the ventral horn using retrograde transport: Possible last-order interneurons to medial gastrocnemius motoneurons. Proc. 5th Ann. Mtg. Soc. Neurosci., 1975, p. 170.

7. Strick, P.L.: Cerebellar neuron response to imposed limb displacement: Dependence of short latency dentate activity on intended movement. Proc. 6th Ann. Mtg. Soc. Neurosci., 1976, p. 533.

8. Burke, R.E., Kanda, K., Walmsley, B., Strick, P.L. and Kim, C.C.: Anatomy of the medial gastrocnemius and soleus motor nuclei in the cat. Proc. 6th Ann. Mtg. Soc. Neurosci., 1976, p. 971.

9. Strick, P.L.: Thalamic input to the motor cortex. Anat. Rec. 187: 781, 1977.

10. Strick, P.L.: Peripheral input to the dentate nucleus: Control by motor preparation. Proc. XXVII Int. Cong. Physiol., 1977.

11. Strick, P.L., Zarzecki, P. and Asanuma, H.: Input to primate motor cortex from posterior parietal cortex. Proc. 7th Ann. Mtg. Soc. Neurosci., 1977.

12. Strick, P.L. and Preston, J.B.: Multiple representation in the primate motor cortex. A new concept of input-output organization for the representation of distal forelimb. Proc. 8th Ann. Mtg. Soc. Neurosci., 1978.

13. Zant, J.B. and Strick, P.L.: The cells of origin of interhemispheric connections in the primate motor cortex. Proc. 8th Ann. Mtg. Soc. Neurosci., 1978.

14. Strick, P.L.: Motor preparation: Influence on peripheral afferent input to motor cortex and cerebellum. 6th Int. Cong. Electromyography, 1979, p. 49.

15. Pappas, C.L. and Strick, P.L.: Double representation of the distal forelimb in cat motor cortex: Anatomical and physiological demonstration. Proc. 9th Ann. Mtg. Soc. Neurosci., 1979.

16. Muakkassa, K.F. and Strick, P.L.: Frontal lobe input to primate motor cortex. Proc. 9th Ann. Mtg. Soc. Neurosci., 1979.

17. Strick, P.L., Pappas, C.L. and Zant, J.B.: Multiple representations in the arm area of the motor cortex: Anatomical evidence in the cat and monkey. Proc. of the Cajal Club, 1980.

18. Hoffman, D.S. and Strick, P.L.: How is the direction of a ballistic wrist movement programmed? Proc. 10th Ann. Mtg. Soc. Neurosci., 1980.

19. Hoffman, D.S. and Strick, P.L.: Trajectories of ballistic wrist movements can be altered by modifying antagonist muscle activity. Proc. 11th Ann. Mtg. Soc. Neurosci., 1981, p. 479.

20. Pappas, C.L. and Strick, P.L.: Survival time profoundly affects the laminar distribution of HRP labeled neurons in cerebral cortex. Proc. 11th Ann. Mtg. Soc. Neurosci., 1981, p. 415.

21. Hoffman, D.S. and Strick, P.L.: Evidence that antagonist muscle activity is centrally generated. Proc. 12th Ann. Mtg. Soc. Neurosci., 1982, p. 733.

22. Schell, G.R. and Strick, P.L.: Origin of thalamic input to the supplementary and arcuate premotor areas. Proc. 13th Ann. Mtg. Soc. Neurosci., 1983.

23. Hoffman, D.S. and Strick, P.L.: Controlled variables in step-tracking movements of the wrist. Proc. 14th Ann. Mtg. Soc. Neurosci., 1984.

24. Strick, P.L. and Preston, J.B.: Frontal lobe inputs to the caudal hand representation of the primate motor cortex. Proc. 14th Ann. Mtg. Soc. Neurosci., 1984.

27. Primrose, D.C. and Strick, P.L.: The organization of interconnections between the premotor areas in the primate frontal lobe and the arm area of the primary motor cortex. Soc. Neurosci. Abstr. 11: 1274, 1985.

28. Galyon, D.D. and Strick, P.L.: Multiple and differential projections from the parietal lobe to the premotor areas of the primate. Soc. Neurosci. Abstr. 11: 1274, 1985.

29. Martino, A.M. and Strick, P.L.: Organization of corticospinal projections to the cervical spinal cord of macaques: Multiple systems from the frontal and parietal lobes. Soc. Neurosci. Abstr. 12: 1986.

30. Dum, R.P. and Strick, P.L.: Organization of corticospinal projections in the macaque: Extent of projections from the parietal lobe. Soc. Neurosci. Abstr. 13: 1987.

31. Hoffman, D.S. and Strick, P.L.: Patterns of agonist muscle activity in monkeys trained to perform wrist movements in different directions. Soc. Neurosci. Abstr. 13: 1987.

32. Hutchins, K.D. and Strick, P.L.: Origin of corticospinal projections to the ipsilateral spinal cord. Soc. Neurosci. Abstr. 13: 1987.

33. Kuypers, H.G.J.M., Strick, P.L. and Ugolini, G.: Transneuronal labelling by means of Herpes Simplex Virus I in mice and rats. J. Physiol. 401: 44P, 1988.

34. Ugolini, G., Kuypers, H.G.J.M. and Strick, P.L.: Transneuronal transfer of Herpes Simplex Virus Type 1 (HSV 1) from peripheral forelimb nerves of rats to the cells of origin of descending cortical and brainstem pathways. European Neurosci. Assn., 1988.

35. Hoffman, D.S. and Strick, P.L.: Patterns of activity in wrist extensors depend on forearm position. Soc. Neurosci. Abstr. 14: 952, 1988.

36. Dum, R.P. and Strick, P.L.: Origin and density of corticospinal (CST) projections from the premotor areas of macaques. Soc. Neurosci. Abstr. 14: 821, 1988.

37. He, S.Q., Dum, R.P. and Strick, P.L.: Premotor areas on the medial wall of the hemisphere: Corticospinal projections to cervical and lumbosacral cord. Soc. Neurosci. Abstr. 15: 282, 1989.

38. Holsapple, J.W. and Strick, P.L.: Premotor areas on the medial wall of the hemisphere: Input from ventrolateral thalamus. Soc. Neurosci. Abstr. 15: 282, 1989.

39. Zemanick, M.C., Strick, P.L. and Dix, R.D.: Transneuronal transport of HSV1 from the primary motor cortex of primates. Soc. Neurosci. Abstr. 15: 659, 1989.

40. Guimaraes, A., Strick, P.L. and Levitt, P.: Molecular specification of primate cortical neurons revealed by monoclonal antibodies. Soc. Neurosci. Abstr. 16: 240, 1990.

41. He, S.Q., Dum, R.P. and Strick, P.L.: Premotor areas: Corticospinal projections to upper and lower cervical spinal cord. Soc. Neurosci. Abstr. 16: 241, 1990.

42. Lu, M.T. and Strick, P.L.: Prefrontal connections with the premotor areas. Soc. Neurosci. Abstr. 16: 241, 1990.

43. Holsapple, J.W., Preston, J.B. and Strick, P.L.: Origin of thalamic inputs to the 'hand' representation in the primary motor cortex. Soc. Neurosci. Abstr. 16: 425, 1990.

44. Zemanick, M.C. and Strick, P.L.: Retrograde and anterograde transneuronal transport of HSV1 in the primate motor system. Soc. Neurosci. Abstr. 16: 425, 1990.

45. Bortoff, G.A. and Strick, P.L.: Termination of corticospinal efferents within the cervical cord of new world primates. Soc. Neurosci. Abstr. 16: 729, 1990.

46. Hoffman, D.S., Stiles, M.R. and Strick, P.L.: Force requirements determine the pattern of agonist modulation. Soc. Neurosci. Abstr. 16: 1089, 1990.

47. Holsapple, J.W. and Strick, P.L.: Pattern of projections from the premotor areas on the medial wall of the hemisphere to the primary motor cortex. Soc. Neurosci. Abstr. 17: 1020, 1991.

48. Hoover, J.E. and Strick, P.L.: Transneuronal transport of HSV-1 from the primary motor cortex and the SMA: Evidence for separate 'motor' circuits within the basal ganglia. Soc. Neurosci. Abstr. 17: 453, 1991.

49. Lynch, J.C., Hoover, J.E. and Strick, P.L.: The primate frontal eye field is the target of neural signals from the substantia nigra, superior colliculus, and dentate nucleus. Soc. Neurosci. Abstr. 18: 855, 1992.

50. Hahm, J-O., Huerta, M.F., Strick, P.L., Danielsson, I. and Pons, T.P.: Parallel cortical pathways for the control of movement. Soc. Neurosci. Abstr. 18: 216, 1992.

51. Hoover, J.E. and Strick, P.L.: Cerebello- and pallido-thalamocortical projections to the primary motor cortex: Body maps. Soc. Neurosci. Abstr. 18: 309, 1992.

52. Mushiake, H. and Strick, P.L.: Activity of dentate neurons during sequential movements. Soc. Neurosci. Abstr. 18: 1046, 1992.

53. Lynch, J.C., Hoover, J.E. and Strick, P.L.: Morphology and spatial distribution of superior colliculus neurons labeled by frontal eye field injections in monkey. Invest. Ophthal. & Visual Sci. 34: 1137, 1993.

54. Dum, R.P. and Strick, P.L.: Supplementary motor area (SMA) input to the cervical cord. Soc. Neurosci. Abstr. 19: 1210, 1993.

55. Hoffman, D.S. and Strick, P.L.: A lesion in primary motor cortex causes wrist movements to be misdirected. Soc. Neurosci. Abstr. 19: 1207, 1993.

56. Hoover, J.E. and Strick, P.L.: Retrograde transneuronal transport of HSV-1 from primary motor cortex to cerebellar deep nuclei and purkinje cells. Soc. Neurosci. Abstr. 19: 1590, 1993.

57. Mushiake, H. and Strick, P.L.: Activity of pallidal neurons during sequential movements. Soc. Neurosci. Abstr. 19: 1584, 1993.

58. Middleton, F.A. and Strick, P.L.: Prefrontal cortex is the target of output from the basal ganglia and cerebellum. Soc. Neurosci. Abstr. 20: 1749, 1994.

59. Ugurbil, K., Kim, S.-G, Andersen, P. and Strick, P.L.: Functional activation of cerebellar output during cognitive processing. Soc. Neurosci. Abstr. 20: 20, 1994.

60. Picard, N. and Strick, P.L.: 2-deoxy-glucose (2DG) uptake in the medial wall motor areas of behaving monkeys. Soc. Neurosci. Abstr. 20: 986, 1994.

61. Dum, R.P. and Strick, P.L.: Spinal cord projections from the caudal cingulate motor areas. Soc. Neurosci. Abstr. 21: 411, 1995.

62. Middleton, F.A. and Strick, P.L.: Anatomical basis for basal ganglia involvement in working memory. Soc. Neurosci. Abstr. 21: 676, 1995.

63. Picard, N. and Strick, P.L.: Differential involvement of M1 and a premotor area in a motor task. Soc. Neurosci. Abstr. 21: 2077, 1995.

64. Mushiake, H. and Strick, P.L.: Cerebellar and pallidal activity during instructed delay periods. Soc. Neurosci. Abstr. 21: 411, 1995.

65. Hickok, G., Clark, K., Erhard, P., Helms-Tillery, K, Naeve-Velguth, S., Adriany, G, Hu, X., Tomaso, H., Bellugi, U., Strick, P.L., and Ugurbil, K.: Effect of modality on the neural organization for language: An fMRI study of sign language production. Soc. Neurosci. Abstr. 21: 694, 1995.

66. Dum, R.P. and Strick, P.L.: Spinal cord terminations of the medial wall motor areas. Soc. Neurosci. Abstr. 22: 1084, 1996.

67. Middleton, F.A. and Strick, P.L.: Inferotemporal cortex is the target of basal ganglia output. Soc. Neurosci. Abstr. 22: 412, 1996.

68. Picard, N. and Strick, P.L.: Comparison of 2DG uptake in medial wall motor areas during performance of visually-guided and remembered sequences of movements. Soc. Neurosci. Abstr. 22: 2025, 1996.

69. West, R.A. and Strick, P.L.: Organizational features of the dentato-thalamo-cortical projection. Soc. Neurosci. Abstr. 22: 1631, 1996.

70. Yarosh, C.A., Hoffman, D.S. and Strick, P.L.: Deficits in distal movements in the limb ipsilateral to a stroke in hemiparetic subjects. Soc. Neurosci. Abstr. 22: 2041, 1996.

71. Pimenta, A.F., Strick, P.L. and Levitt, P.: Specification of cortical and subcortical population of neurons revealed by monoclonal antibody 8B3. Soc. Neurosci. Abstr. 22: 1632, 1996.

72. Dum, R.P. and Strick, P.L.: Cortical inputs to the digit representations in the primary motor cortex and the dorsal premotor area of the cebus monkey. Soc. Neurosci. Abstr. 23: 1274, 1997.

73. Kakei, S., Hoffman, D.S. and Strick, P.L.: Muscle activity is cosine-tuned with direction of wrist movement. Soc. Neurosci. Abstr. 23: 2096, 1997.

74. Hoffman, D.S. and Strick, P.L.: Spatio-temporal patterns of muscle activity for wrist movements in different directions. Soc. Neurosci. Abstr. 23: 2097, 1997.

75. Kelly, R.M. and Strick, P.L.: Retrograde transneuronal transport of rabies virus through cerebello-thalamocortical circuits of primates. Soc. Neurosci. Abstr. 23: 1828, 1997.

76. West, R A , Lynch, J C and Strick, P L : Superior colliculus inputs to the lateral intraparietal area (lip) in the monkey. Soc. Neurosci. Abstr. 24: 418, 1998.

77. Straube-West, K. T., Walsh, T. J., Strick, P.L. and Levitt, P.: Changes in gene expression in rat hippocampus following training in a spatial learning task as revealed by subtraction differential display. Soc. Neurosci. Abstr. 24: 1688, 1998.

78. Dum, R.P. and Strick, P.L.: Thalamic inputs to the lateral premotor areas and the primary motor cortex of the cebus monkey. Soc. Neurosci. Abstr. 24: 1637, 1998.

79. Middleton, F.A. and Strick, P.L.: Basal ganglia and cerebellar 'inputs' to dorsal and lateral prefrontal cortex. Soc. Neurosci. Abstr. 24: 664, 1998.

80. Matsuzaka, Y., Picard, N. and Strick, P.L.: Motor sequence learning in monkeys. Soc. Neurosci. Abstr. 24: 174, 1998.

81. Kelly, R.M. and Strick, P.L.: Cerebro-cerebellar 'loops' are closed. Soc. Neurosci. Abstr. 24: 1407, 1998.

82. Kakei, S., Hoffman, D.S. and Strick, P.L.: Coordinate frames for wrist movements. Soc. Neurosci. Abstr. 24: 2108, 1998.

83. Picard, N. and Strick, P.L. : Context-dependent activation of arm M1 of the monkey in a sequential movement task. Soc. Neurosci. Abstr. 24: 405, 1998.

84. Dum, R.P. and Strick, P.L.: Pallidal and cerebellar inputs to the digit representations of the dorsal and ventral premotor areas (PMd and PMv). Soc. Neurosci. Abstr. 25: 1925, 1999.

85. Kakei, S., Hoffman, D.S. and Strick, P.L.: Muscle and movement representation in the primary motor cortex (M1). Soc. Neurosci. Abstr. 25: 385, 1999.

86. Kelly, R.M. and Strick, P.L.: Retrograde transneuronal transport of rabies virus through basal ganglia-thalamocortical circuits of primates. Soc. Neurosci. Abstr. 25: 1925, 1999.

87. Picard, N., Hoffman, D.S. and Strick, P.L.: Ipsilateral M1 is not involved in long term recovery of distal arm movements after a contralateral M1 lesion. Soc. Neurosci. Abstr. 25: 386, 1999.

88. Rathelot, J.-A. and Strick, P.L.: Transneuronal transport of rabies virus from a forelimb muscle to red nucleus and cerebral cortex. Soc. Neurosci. Abstr. 25: 110, 1999.

89. West, R.A., Lynch, J.C. and Strick, P.L.: The inferior parietal lobule is the target of output from the superior colliculus, cerebellum and hippocampus. Soc. Neurosci. Abstr. 25: 1402, 1999.

90. Clower, W.T., Hoffman, D.S. and Strick, P.L.: Intrinsic vs. extrinsic coordinate representation in PMd, PMv, and M1. Soc. Neurosci. Abstr. 26: 958, 2000.

91. Kakei, S., Hoffman, D.S. and Strick, P.L.: Spatially-tuned movement representation in the ventral premotor cortex. Soc. Neurosci. Abstr. 26: 958, 2000.

92. Kelly, R.M. and Strick, P.L.: A ventral portion of the putamen participates in an 'open' loop with M1. Soc. Neurosci. Abstr. 26: 964, 2000.

93. Matsuzaka, Y., Picard, N. and Strick, P.L.: Activity of M1 neurons associated with over-practiced sequential movements. Soc. Neurosci. Abstr. 26: 1483, 2000.

94. Picard, N., Matsuzaka, Y. and Strick, P.L.: Focal zones of activation in M1 associated with learned and random sequences of movements. Soc. Neurosci. Abstr. 26: 1483, 2000.

95. Rathelot, J.-A. and Strick, P.L.: Anatomical evidence that Area 3a has monosynaptic connections with hand motoneurons. Soc. Neurosci. Abstr. 26: 1483, 2000.

96. Akkal, D., Dum, R.P. and Strick, P.L.: Cerebellar and pallidal inputs to the supplementary motor area (SMA). Soc. Neurosci. Abstr. 27: 825.4, 2001.

97. Clower, D.M., Dum, R.P. and Strick, P.L.: Area 7b of parietal cortex is the target of topographical output from the dentate nucleus of the cerebellum. Soc. Neurosci. Abstr. 27: 65.9, 2001.

98. Picard, N., Matsuzaka, Y., and Strick, P.L.: Disparity between functional activation and neural activity in M1 of trained monkeys. Soc. Neurosci. Abstr. 27: 932.6, 2001.

99. Behseta, S., Matsuzaka, Y., Picard, N., Kass, R.E. and Strick, P.L.: Muscle - like activity of m1 neurons during multi - joint movements. Program No. 61.13. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

100. Katz, J.A., Hoffman, D.S. and Strick, P.L.: Trajectory constraints in multi - directional wrist movements. Program No. 767.2. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

101. Picard, N. and Strick, P.L.: Cerebro - cerebellar activation during motor tasks. Program No. 462.15. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

102. Akkal, D., Dum, R.P., Strick, P.L.: Cerebellar and basal ganglia inputs to the pre - supplementary motor area (PreSMA). Program No. 462.14. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

103. Dum, R.P. and Strick, P.L.: Functional topography in the dentate nucleus of the cerebellum. Program No. 462.13. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

104. Li, C., Dum, R.P. and Strick, P.L.: Immunoreactivity for monoclonal antibody 8b3 parallels the functional organization of the dentate nucleus. Program No. 462.12. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

105. Rathelot, J.A., Dum, R.P. and Strick, P.L.: Interpositus and dentate control over hand movements. Program No. 462.11. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

106. Clower, D.M., Dum, R.P. and Strick, P.L.: Substantia nigra pars reticulata provides input to area 7b of parietal cortex. Program No. 460.1. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

107. Slovin, H., Strick, P., Hildesheim, R, and Girnvald, A.: Voltage sensitive dye imaging in the motor cortex. I. Intra - and intercortical connectivity revealed by microstimulation in the awake monkey. Program No. 554.8. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

108. Strick, P., Grinvald, A., Hildesheim, R. and Slovin, H.: Voltage sensitive dye imaging in the motor cortex. II. cortical correlates of Go/No - Go delayed response task in the behaving monkey. Program No. 918.8. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

109. Akkal, D., Dum, R.P. and Strick, P.L.: Calbindin D - 28K immunoreactivity reflects the topograpic organization of motor and non - motor output channels in the globus pallidus. Program No. 601.4. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

110. Dum, R.P. and Strick, P.L.: Differences in the cortical inputs to the digit representations in the dorsal and ventral premotor areas of the cebus monkey. Program No. 918.3. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

111. Rathelot, J.A. and Strick, P.L.: Representation of single digit muscles in the primary motor cortex (M1) . Program No. 708.5. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

112. Yamamoto, Y., Hoffman, D.S. and Strick, P.L.: Visuo - motor adaptation generalizes across wrist postures. Program No. 822.18. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

113. Picard, N. and Strick, P.L.: Preferential activation of the motor region of the dentate nucleus for visually guided reaching movements. Program No. 535.9. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004.

114. Dum, R.P., Akkal, D. and Strick, P.L.: The dorsal premotor area (PMd) and the Pre-PMd area are the target of basal ganglia and cerebellar output in the cebus monkey. Program No. 535.12. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004.

115. Rathelot, J.-A. and Strick, P.L.: Multiple hand areas in the frontal lobe. Program No. 878.14. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004.

116. Hoshi, E., Tremblay, L., Feger, J., Carras,, P.L. and Strick, P.L.: The cerebellum "communicates" with the basal ganglia. Program No. 754.23. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004.

117. Tsunoda, Y., Matsui, W., Takuwa, H., Iijima, T., Hoffman, D.S., Strick, P.L. and Kakei, S.: Coordinate frames of cerebellar purkinje cell activities for goal-directed movements. Program No. 536.11. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004.

118. Yamamoto, K., Hoffman, D.S. and Strick, P.L.: Coordinate frame for adaptation during visuo-motor rotation. Program No. 872.18. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004.

119. Yamamoto, K., Hoffman, D.S. and Strick, P.L. Long - lasting retention of visuo - motor adaptation. Program No. 181.23. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005.

120. Picard, N., Matsuzaka,Y. and Strick, P.L.: Comparison of single neuron activity and 2DG uptake in M1 of trained monkeys. Program No. 980.21. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005.

121. Tsunoda, Y., Matsui, W., Takuwa, H., Iijima, T., Hoffman, D.S., Strick, P.L. and Kakei, S.: Coordinate frames of mossy fiber activities for wrist motor control. Program No. 297.7. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005.

122. Dum, R.P and Strick, P.L.: Parietal lobe inputs to the digit representations in the primary motor cortex and the lateral premotor areas of the cebus monkey. Program No. 981.5. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005.

123. Billig, I. and Strick, P.L.: Can one mix cholera toxin with rabies virus in tracing experiments?. Program No. 694.2/PP82. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006.

124. Delis, F., Dum, R.P. and Strick, P.L.: The cerebellar nuclei project to the whisker-barrel cortex. Program No. 740.18. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006.

125. Levinthal, DJ, Dum, R.P. and Strick, P.L.: Spinothalamic projections to the cerebral cortex of the monkey. Program No. 141.3. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006.

126. Morrow, M.M, Carras, P., Feger, J., Tremblay, L. and Strick, P.L.: Functional topography within "limbic" cortico-basal ganglia circuits. Program No. 450.7. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006.

127. Picard, N., Matsuzaka, Y. and Strick, P.L.: M1 activity related to movement sequence during skilled performance. Program No. 657.2. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006.

128. Rathelot, J. and Strick, P.L.: The rostral and caudal zones of the primary motor cortex: differential projections upon hand motoneurons. Program No. 806.16. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006.

129. Hayashi, T., Ohbayashi,M., Wang, P., Carras, P.L., Dum, R.P., Kim, S. -G., Strick, P.L.: Coherent spontaneous fluctuation of BOLD fMRI signals in the motor cortex of anesthetized monkeys. Program No. 81.3. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007.

130. Picard, N, and Strick, P.L.: Robust motor habits induced by extensive practice. Program No. 206.9. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007.

131. Simpkins, K.L., Reinert, K.C., P. L. Strick, P.L.: Optical imaging of movement-related activity in the PMd and M1 using flavoprotein autofluorescence. Program No. 92.13. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007.

132. Rathelot, J. -A., Strick, P.L.: Two representations of the arm in the primary motor cortex of macaques. Program No. 292.18. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007.

133. Billig, I. and Strick, P.l.: Evidence that the two types of abducens motoneurons are controlled by distinct regions of the frontal eye field. Program No. 398.1. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007.

134. Ohbayashi, M, Picard, N. and Strick, P.L.: Effect of reversible inactivation of dorsal premotor cortex on sequential movements. Program No. 427.16. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007.

135. Ting,J.-A, D'Souza, A., Yamamoto, K., Yoshioka, T., Hoffman, D.S., Kakei, S., Sergio, L., Kalaska, J., Kawato, M., Strick, P.L., and Schaal, S.: Using variational Bayesian least squares for EMG data prediction from M1 and premotor cortex neural firing. Program No. 511.1. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007.

136. Tsunoda,Y., Matsui, W., Takuwa, H., Hoffman, D.S., Strick, P.L., and Kakei, S.: The cerebellar complex spikes encode wrist movements in intrinsic coordinate frames. Program No. 512.24. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007.

137. Dum, R.P., Levinthal, D.J. and Strick, P.L.: The cingulate motor areas are a target of the spinothalamic system. Program No. 369.16. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online.

138. Isikawa, T., Hoffman, D.S. and Strick, P.L.: Intrinsic movement representation in the dorsal premotor cortex. Program No. 182.25. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online.

139. Morrow, M.M., Hoshi, E., Carras, P, Feger, L., Tremblay, L. and Strick, P.L.: Cortical input to behaviorally characterized sites in GPe. Program No. 472.2. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online.

140. Picard, N. and Strick, P.L.: Functional dissociation of the monkey Pre-SMA and SMA in visually-guided tasks. Program No. 182.7. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008, Online.

141. Reinert, K.C. and Strick, P.L.: Optical imaging of movement-related activity in the PMd and M1 using flavoprotein autofluorescence. Program No. 182.9. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online.

142. Coffman, K.A. and Strick, P.L.: The primary motor cortex is a source of input to the posterior vermis. Program No. 367.26. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

143. Ohbayashi, M., Picard, N. And Strick, P.L.: PMd is not essential for visually-guided sequential movements. Program No. 463.17. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

144. Sobieski, C.A., Gilbert, V.R., Chiappini-Williamson, C., Sherwood, C.C., Strick, P.L. and Phillips, K.A.: The development of the basal ganglia in capuchin monkeys (Cebus apella). Program No. 464.18. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

145. Bostan, A.C., Dum, R.P. and Strick, P.L.: The basal ganglia communicate with the cerebellum. Program No. 661.6. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

146. Billig, I. and Strick, P.L.: Anatomical evidence for overlap of oculomotor and skeletomotor control systems in the cerebral cortex. Program No. 851.3. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

147. Rathelot, J.-A. and Strick, P.L.: Direct thalamic input to corticomotoneuronal cells. Program No. 863.1. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

148. Reinert, K.C and Strick, P.L.: Evidence for a modular organization in M1 and PMd based on patches of activation during reaching movements. Program No. 83.5. 2010 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2010. Online.

149. Rathelot, J-A and Strick, P.L.: Last-order interneurons innervating forelimb motoneurons in the spinal cord of the monkey. Program No. 494.30. 2010 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2010. Online

150. Rünger, D., Picard, N., Strick, P.L. and Ashby, F.G.: Component processes in skilled motor performance]. Program No. 606.3. 2010 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2010. Online.

151. Levinthal, D.J. and Strick, P.L.: Visceral representation in the rat primary motor cortex. Program No. 694.15. 2010 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2010. Online.

152. Billig, I. and Strick, P.L.: Evidence for oculomotor control in a medial wall motor area. Program No. 778.15. 2010 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2010. Online.

153. Galgiani, J.E., Billig, I. and Strick, P.L.: Regions of the cerebellar vermis are the target of input from multiple cortical areas. Program No. 101.08.2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.

154. Ohbayashi, M., Picard, N. and Strick, P.L.: Preferential activity in monkey dorsal premotor cortex for internally generated sequences of movements. Program No. 591.15.2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.

155. Morrow, M.M., Hoshi, E., Feger, J., Tremblay, L. and Strick, P.L.: Topography of cortical inputs from the medial wall of the hemisphere to GPe: An anatomy of basal ganglia dysfunction. Program No. 811.08.2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.

156. Rathelot, J.A. and Strick, P.L.: Anatomical evidence for a “command function” in posterior parietal cortex. Program No. 815.04.2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.

157. Ishikawa, T., Tomatsu, S., Tsunoda, Y., Lee, J., Hoffman, D.S., Strick, P.L. and Kakei, S.: Modulation of simple spike activities of cerebellar Purkinje cells for step-tracking movement of the wrist. Program No. 921.11.2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.