Curriculum Vitae

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October 2015

ACADEMIC TRAINING:

1979 Ph.D.	Boston University, Boston, MA (Anatomy)
1976 M.A.	Boston University, Boston, MA (Anatomy)
1972 M.A.	Princeton University, Princeton, NJ (Romance Languages)
1969 B.A.	Wellesley College, Wellesley, MA (French)

POSTDOCTORAL TRAINING:

1980-1982	Research Associate, Dept. of Ophthalmology, Med. Univ. of S.C., Charleston, S.C.
1979-1980	Research Fellow, Dept. of Neurology, Children's Hosp. Med. Center and Harvard Med. Sch., Boston, MA
1978-1979	Postdoctoral Fellow, Div. of Biology, Caltech, Pasadena, CA

ACADEMIC APPOINTMENTS:

2012-	Research Professor, Dept. Anatomy & Neurobiology, Boston Univ. Sch. Medicine
2012-	Research Affiliate, Brain and Cognitive Sci., MIT, Boston, MA
2009-	Visiting Professor, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
2009-2012	Senior RIKEN Research Scholar, RIKEN-MIT Center for Neural Circuit Genetics, Picower Institute, MIT, Cambridge, MA
2008-2009	Adjunct Professor, Nat'l. Inst. for Physiological Sciences (NIPS), Okazaki, Japan
2006-2008	Adjunct Professor, Saitama University (Grad. Sch. Of Science and Engineering), Saitama, Japan
2000-2010	Lab Head, Brain Science Inst., RIKEN, Wako, JP (Adjunct:Oct.2009-April 2010)
1996-1999	Director, Neuroscience Interdisciplinary Grad. Program, Univ. of Iowa, Iowa City, IA
1994-2000	Professor, Dept. Neurology, Univ. of Iowa, Iowa City, IA (Adjunct, 2000-)
1992-2000	Member, Program in Neuroscience, Univ. of Iowa, Iowa City, IA
1991-1994	Assoc. Professor, Dept. of Neurology and Carver Investigator in Neuroscience, Univ. of Iowa, Iowa City, IA
1988-1991	Assist. Prof. Dept. of Anatomy, Boston Univ., Boston, MA (Adjunct, 1983-1988)
1986-1988	Associate Scientist, Schepens Eye Research Inst., Boston, MA
1983-1986	Research Fellow, Dept. of Neurology, MGH and Harvard Medical Sch., Boston, MA
1983-1986	Senior Scientist, Southard Lab. of Neuropath., E.K. Shriver Center, Waltham, MA

HOSPITAL APPOINTMENTS:

N.A.

HONORS:

1991	Carver Investigator in Neuroscience (Univ. Iowa)
1969	Woodrow Wilson Fellow
1969	Princeton National Fellow

LICENSES AND CERTIFICATION:

N.A.

DEPARTMENTAL AND UNIVERSITY COMMITTEES:

2014-	Member, Graduate Student Qualifying Exam, Dept. Anatomy&Neurobiology, BUSM

2001, 2004	Member, Summer School Committee, RIKEN BSI
1996-1999	Neuroscience Graduate Admissions Committee (Univ. of Iowa)
1996-1999	Neuroscience Graduate Qualifying Exam Committee (Univ. of Iowa)
1996-1999	Neuroscience Graduate Curriculum Committee (Univ. of Iowa)
1994-1996	Animal Care Committee (Univ. of Iowa)

TEACHING EXPERIENCE AND RESPONSIBILITIES:

2014, 2016	AN 724 Advanced Human Neuroanatomy (Course Director: R.J. Rushmore)
2013-2015	Limbic System (Basic Neuroscience Survey Course GMS BN 777)
2012	Sheep Brain Dissection "Discover Freshman Pre-orientation Program" (MIT)
2012	"Educational Unit": Navigating the myelin-stained mouse brain, http://www.brainarchitecture.org/educational-units (Mitra Lab website, CSHL)
2010, 2011	CSHL Workshop: Circuits and Connectivity (co-organizer with Partha Mitra and Menno Witter), lectures and practicum (survival surgery)
2009	Guest lecturer 9.691 (MIT) "Introduction to Connectomics" (Sebastian Seung)
2008, 2009	Graduate lectures, NIPS (Okazaki, Japan)
2006, 2007	BSI Tutorial
2006, 2007	RIKEN-BSI Retreat, neuroanatomy overview
2007, 2008	Saitama Univ. lecture series for undergraduates (5 sessions)
2000, 2007	RIKEN BSI Summer School
1998, 1999	Topics in Systems Neuroscience (132:335), and Neuroscience Seminar (132:265), Univ. of Iowa
1992-1994, 1997-1999	Medical Neuroscience Lecturer and Lab Instructor, Univ. of Iowa
1989-90	Neuroscience and Histology Lab Instructor, Dept. of Anatomy, BUSM
1983-84	Neuroscience Lab Instructor, Boston Univ. Sch. Medicine
1980-83	Neuroanatomy Instructor, Medical Univ. of South Carolina
1977-78	Neuroscience Lab Instructor, Boston Univ. Sch. Medicine

MAJOR MENTORING ACTIVITIES:

Postdoctoral Fellows and Research Associates supervised (RIKEN BSI and, pre-2000, Univ. Iowa)

2009 (5/09-8/09)	Michele Pignatelli: Visiting Fellow (EPFL); now postdoctoral fellow, Tonegawa Lab (Picower Inst., MIT)
2007-2009	Tohru Kurotani: Postdoctoral Fellow, now Senior Scientist, ERATO (JP), Dr. Okanoya team
2007-2009	Atsuko Miyashita: Postdoctoral Fellow, now Assist. Prof. ,Yokohama (JP)
2007-2008	Elena Borra: predoctoral intern (Univ. Parma), now Assoc. Prof. Univ. Parma
2004-2007	Ryohei Tomioka: Instructor, Kumamoto Univ. (JP)
2003-2006	Kosuke Imura: Assistant Prof. , Yokohama (JP)
2003-2007	Toshio Miyashita: Instructor, Nat'l. Inst. Physiological Science
2001-2008	Noritaka Ichinohe: Research Scientist, now Director, Dept. of Ultrastructural Research, National Institute of Neuroscience, Kodaira, Japan
2000-2004	Hisayuki Ojima: Research Scientist, now Senior Scientist, Tokyo Medical and Dental Univ., Graduate School of Medical and Dental Sciences (JP)
2000-2004	Yongmei Zhong: Professor, Fudan University, Shanghai
1999-2002	Hongbin Li: Postdoctoral Fellow (and unknown)
1998-2000	Song-Lin Ding: Postdoctoral Fellow, now Staff Member, Allen Brain Inst., Seattle
1996-1998	Bryan Wellman: Neurosurgery Resident, now private practice
1993-1994	Changjun Shi: Postdoctoral Fellow (and unknown)

Master Students (MAMS)
2015 - Amy Zhang
2015 - Daniel Lee
Summer Research (2015)
Gregory Lorraine (2nd year Med. Student)

Thesis committees

2014	Member, Thesis Committee: Shaun Patel; Teresa Guillamon-Vivancos (Anatomy&Neurobiology, BUSM)
2014	External member: Parul Kaushal (All India Institute of Medical Sciences)
2012 (April)	External member: Vadim Pinskiy, Dept. Biomedical Engineering, SUNY at Stonybrook
2011 (Dec.)	External Member: Zi Wei Zhang, School of Optometry, Univ. of Montreal
1992-1999	University of Iowa: Sonia Witte (Dept. of Physiology), Ann Nicolson (Dept. of Biology), Ai Li (Neuroscience), Yonhua Tai (Anatomy and Cell Biol.), Jean Augustinack (Anatomy and Cell Biol.), Josef Parvizi (Neuroscience)

Undergraduate Research Supervisor:

2000-2009	9 summer interns (2 months term) RIKEN Brain Science Institute
1991-1999	12 individuals at University of Iowa (NSF Summer Fellows; and Honors Research)

MAJOR ADMINISTRATIVE RESPONSIBILITIES:

2014	Member, External Advisory Committee, Human Connectome Project (MGH)
2007	Chair, Summer School Committee, RIKEN BSI
1996-1999	Director, Neuroscience Interdisciplinary Graduate Program, Univ. of Iowa
1994-1996	Animal Care Committee, member and Chair (1996), Univ. of Iowa

Reviewer for Grant Agencies (by mail)*:* Alzheimer's Association, French National Research Agency (ANR), Human Frontier, NSF, The Wellcome Trust

Other Professional Activities:

Reviewer for Journals: Brain Structure and Function, Cerebral Cortex, European Journal of Neuroscience, Journal of Comparative Neurology, Journal of Neuroscience, Neuroscience, Neuron, Neuroimage, PLOS One, Frontiers in Neuroscience

2011	Podcast interview, by Paul Verschure (Cognitive Science Network) http://itunes.apple.com/us/podcast/convergent-science-network/id396952186
2003-2009	Faculty of 1000

PROFESSIONAL SOCIETIES: MEMBERSHIPS, OFFICES, AND COMMITTEE ASSIGNMENTS

SOCIETY FOR NEUROSCIENCE

EDITORIAL BOARDS:

2014-	Editor ("Axons and Brain Architecture," Elsevier, publication date: fall 2015)
2012-	Associate Editor, Journal Comparative Neurology
2002-12	Editorial Board, Journal Comparative Neurology
2008-	Associate Editor, Frontiers in Neuroanatomy
2006-09	Editorial Board, Neuroscience Research
1996-99	Editorial Board, Visual Neuroscience
1996	Co-editor (with Drs. J. Kaas and A. Peters): "Extrastriate Visual Cortex of Primates; Cerebral Cortex Volume 12 (Plenum Press, New York)

1994	Co-editor (with Dr. A. Peters): "Primary Visual Cortex of Primates;" Cerebral Cortex Volume 10 (Plenum Press, New York)
1993	Guest editor, Cerebral Cortex 3(5*)* ("Local Cortical Circuits," Oxford Univ. Press)

MAJOR COMMITTEE ASSIGNMENTS:

Federal Government

N.A.

Private/Foundation

N.A.

Study Sections

2013	NSF Career Panel (P140092)
1995-1999	Member, Cognitive Functional Neuroscience (NIMH); reconstituted as Integrative, Functional, and Cognitive Neuroscience (IFCN-8)
1998-1999	Chairperson, IFCN- 8
1996	Member, SEP (NIMH): "Innovative Approaches to Microscopic Tract-Tracing"
1994-1996	NSF Panel Member (Sensory Systems)

State:

N.A.

Current Other Support:

2014-2017	1U01 MH105971 "Towards Quantitative Cell-type Based Characterization of the Whole Mouse Brain" (PI: Pavel Osten, CSHL)
2015-2017	1R21 MH106796 "Visualizing Cortical Microstructures by Optical Coherence Tomography (OCT)"
2015-2017	1R21 MH107456 "Regional Diversity of Cortical White Matter Neurons in Adult and Infant Rhesus Monkey"

Pending Support:

Past Other Support:

(pre-2000 budget amounts are only partially accessible)

2009-2012	PI: Susumu Tonegawa, RIKEN-MIT Center for Neural Circuit Genetics
2000-2010	PI: Kathleen Rockland, annual budget, RIKEN Brain Science Institute (estimate: $1 million per year)
1991-2001	NS19632, PI: Antonio Damasio, Anatomical Substrates of Complex Behavior (Project 6; Rockland and Van Hoesen, NINDS)
1999-2000	T32NS007421, PI: Kathleen Rockland Neuroscience Training Program (transferred to Dr. Dan Tranel, because of move to Japan)
1995-2001	R01MH053598, PI: Kathleen Rockland, Microcircuitry of Pulvinar and Neocortical Connections (direct costs, 5 years: $576,321 (as per summary statement);1999: $140,847)
1995-2000	NSF IBN 9421970, PI: Kathleen Rockland, Microcircuitry of Cortical Networks ($265,000: total amount)
1991-1994	Roy J. Carver Charitable Trust, PI: Kathleen Rockland
1986-1995	R01EY007058, PI: Kathleen Rockland, Periodic Extrinsic Connections in Visual Cortex (direct costs, 4 years: $545,473; 1993: $138,291)
1983-1986	R01EY007058, PI: Kathleen Rockland, Periodic Intrinsic Connections in Visual Cortex
1980-1982	PI: J.S. Lund, South Carolina State Research Funds
1978-1980	NRSA 7F32 EY05323 (NIH postdoctoral award), Caltech

Invited Lectures and Presentations (recent)

2009	German-Japanese Workshop: Computational and Systems Neurosci. (Berlin)
2010 (April)	Stanford Inst. for Neuro-Innovation and Translational Neurosciences
2011 (May)	Computations in Neocortical Circuits (Janelia Farm, May 2011)
2011 (July)	Network Architecture of Brain Structure and Function (KITP, July 2011)
2011 (Dec.)	Sch. of Optometry, Univ. of Montreal
2012 (August)	Parietal Cortex "Meet-in" CSHL
2013 (February)	European Winter Conference in Brain Research (Brides-les-Bains)
2013 (Sept.)	International Sym. on non-Human Primate Cognition, Behavior, Evolution (Ouro-Prieto, Brazil)
2014 (April)	Computational and Systems Neuroscience, Juelich (Germany)

Bibliography

ORIGINAL, PEER REVIEWED ARTICLES (SELECTED FROM 103 PUBMED):

1. **Rockland, K.S.** About Connections. Frontiers Neuroanatomy 2015; 9:61.
2. Kim, Y., Venkataraju, K.U., Pradhan, K., Mende, C., Taranda, J., Turaga, S.C., Arganda-Carreras, I., Ng, L., Mawrylycz, M.J., **Rockland, K.S**., Seung, H.S., and Osten, P. Mapping social behavior-induced brain activation at cellular resolution in the mouse. Cell Rep. 2015; 10: 292-305.
3. **Rockland, K.S.** Zinc-positive and zinc-negative connections of the claustrum. Frontiers Syst. Neurosci. 2014; 8: 37.
4. Watakabe, A., Ohsawa, S., Ichinohe, N., **Rockland, K.S**., and Yamamori, T. Characterization of claustral neurons by comparative gene expression profiling and dye-injection analyses. Frontiers Syst. Neurosci. 2014; 8: 98.
5. **Rockland, K.S.** Zinc-positive and zinc-negative connections of the claustrum. Frontiers. Syst. Neurosci. 2014; 8:37.
6. **Rockland, K.S**. Collateral branching of long-distance cortical projections in monkey. Journal Comparative Neurology 2013; 521: 4112-2123.
7. Kurotani, T., Miyashita, T., Wintzer, M., Konishi, T., Sakai, K., Ichinohe, N., and **Rockland, K.S.** Pyramidal neurons in the superficial layers of rat retrosplenial cortex exhibit a late-spiking firing property. Brain Structure Function 2013; 218: 239-254.
8. Laramee, M.E., **Rockland, K.S.**, Prince, S., Bronchti, G. and Boire, D. Principal component and cluster analysis of layer V pyramidal cells in visual and non-visual cortical areas projecting to the primary visual cortex of the mouse. Cerebral Cortex 2013; 23: 714-728.
9. Ichinohe, I., Borra, E., and **Rockland, K.S.** Distinct feedforward and intrinsic neurons in posterior inferotemporal cortes revealed by in vivo connection imaging. Sci. Rep. 2012; 2:934.
10**. Rockland, K.S**. and Nayyar, N. Association of type 1 neurons positive for NADPH-diaphorase with blood vessels in the adult monkey corpus callosum. Frontiers Neural Circuits 2012; 6:4.
11. Defelipe, J., Markram, H., and **Rockland, K.S**. The Neocortical column. Frontiers Neuroanatomy 2012*;* 6:22.
12. Papp, E., Borhegyi, Z., Tomioka, R., **Rockland, K.S.**, Mody, I. and Freund, T.F. Glutamatergic input from specific sources influences the nucleus accumbens-ventral pallidum information flow. Brain Structure Function 2012; 217: 37-48.
13. Watakabe, A., Hirokawa, J., Ichinohe, N., Ohsawa, S., Kaneko, T., **Rockland, K.S**., and Yamamori, T. Area-specific substratification of deep layer neurons in the rat cortex. Journal Comparative Neurology 2012; 520: 3553-3573.
14. Laramee, M.E., Kurotani, T., **Rockland, K.S**., Bronchti, G. and Boire, D. Indirect pathway between the primary auditory and visual cortices through layer V pyramidal neurons in V2L in mouse and the effects of bilateral enucleation. European Journal Neuroscience 2011; 34: 65-78.
15. Borra, E. and **Rockland, K.S.** Projections to early visual areas V1 and V2 in the calcarine fissure from parietal association areas in the macaque. Frontiers Neuroanatomy 2011; 5:35.

16. Banno, T., Ichinohe, N., **Rockland, K.S**. and Komatsu, H. Reciprocal connectivity of identified color-processing modules in the monkey inferior temporal cortex. Cerebral Cortex 2011; 21*:* 1295-1310.
17. Clancy, B., DeFelipe, J., Espinosa, A., Fairén, A., Jinno, S., Kanold, P., Luhmann, H.J., **Rockland, K.S**., Tamamaki, N. and Yan, X.X. Cortical GABAergic neurons: Stretching it. Remarks, main conclusions, and discussion. Frontiers Neuroanatomy 2010; 4:7.
18. DeFelipe, J., Fields, R.D., Hof, P.R., Höistad, M., Kostovic, I., Meyer, G., and **Rockland, K.S.** Cortical white matter: beyond the pale. Remarks, main conclusions, and discussion. Frontiers Neuroanatomy 2010; 4:4.
19. Ichinohe, N., Matsushita, A., Ohta, K. and **Rockland, K.S.** (2010) Pathway-specific utilization of synaptic zinc in the macaque ventral visual cortical areas. Cerebral Cortex 20:2818-2831.
20. Miyashita, T., Wintzer, M., Kurotani, T., Konishi, T., Ichinohe, N. and **Rockland, K.S.** Neurotrophin-3 is involved in the formation of apical dendritic bundles in cortical layer 2 of the rat. Cerebral Cortex. 2010; 20:229-240.
21. Fuentealba, P., Klausberger, T., Karayannis, T., Suen, W.Y., Huck, J., Tomioka, R., **Rockland, K**., Capogna, M., Studer, M., Morales, M. and Somogyi, P. Expression of COUP-TFII nuclear receptor in restricted GABAergic neuronal populations in the adult rat hippocampus. Journal Neuroscience 2010; 30:1595-1609.
22. **Rockland, K.S.** Five points on columns. Frontiers Neuroanatomy 2010; 4:22.
23. Atanur S.S., Birol I., Guryev V., Hirst M., Hummel O., Morrissey C., Behmoaras J., Fernandez-Suarez, X.M., Johnson, M.D., McLaren, W.M., Patone, G., Petretto, E., Plessy, C., **Rockland, K.S**., Rockland, C., Saar, K., Zhao, Y., Carninci, P., Flicek, P., Kurtz, T., Cuppen, E., Pravenec, M., Hubner, N., Jones, S.J., Birney, E., and Aitman, T.J. The genome sequence of the spontaneously hypertensive rat: Analysis and functional significance. Genome Research 2010; 20:791-803.
24. Borra, E., Ichinohe, N., Sato, T., Tanifuji, M., and **Rockland, K.S.** Cortical connections to area TE in monkey: hybrid modular and distributed organization. Cerebral Cortex 2010; 20: 257-270.
25. Fuentealba, P., Tomioka, R., Dalezios, Y., Marton, L.F., Studer, M., **Rockland, K**., Klausberger, T., and Somogyi, P. Rhymically active enkephalin-expressing GABAergic cells in the CA1 area of the hippocampus project to the subiculum and preferentially innervate interneurons. Journal Neuroscience 2008; 28: 10017-100022.
26. Watakabe, A., Ichinohe, N., Ohsawa, S., Hashikawa, T., Komatsu, Y., **Rockland. K.S.** and Yamamori, T. Comparative analysis of layer-specific genes in mammalian neocortex. Cerebral Cortex 2007; 17: 1918-1933.
27. Miyashita, T. and **Rockland, K.S.** GABAergic projections from the hippocampus to the retrosplenial cortex in the rat. European Journal Neuroscience 2007; 26: 1193-1204.
28. Tomioka, R. and **Rockland, K.S.** Long-distance corticocortical GABAergic neurons in the adult monkey white and gray matter. Journal Comparative Neurology 2007; 505: 526-538.
29. Miyashita, T., Ichinohe, N. and **Rockland, K.S.** Differential modes of termination of amygdalothalamic and amygdalocortical projections in the monkey. Journal Comparative Neurology 2007; 502:309-324.
30. Tomioka, R. and **Rockland, K.S.** Improved Golgi-like visualization in retrogradely projecting neurons, after EGFP-adenovirus infection in adult rat and monkey. Journal Histochemistry Cytochemistry 2006; 54: 523-535.
31. Miro-Bernie, N., Ichinohe, N., Perez-Clausell, J. and **Rockland, K.S.** Zinc-rich transient vertical modules in the rat retrosplenial cortex during postnatal development. Neuroscience 2006; 138:523-535.
32. Zhong, Y.M., Yukie, M. and **Rockland, K.S.** Distinctive morphology of hippocampal CA1 terminations in orbital and medial frontal cortex in macaque monkeys. Experimental Brain Research 2006; 169:549-553.

33. Ichinohe, N., Potapov, D. and **Rockland, K.S**. Transient synaptic zinc-positive thalamocortical terminals in the developing barrel cortex. European Journal Neuroscience 2006; 24: 1001-1010.
34. Imura, K. and **Rockland, K.S**. Long-range interneurons within the medial pulvinar nucleus of macaque monkey. Journal Comparative Neurology 2006; 498: 649-666.
35. Ichinohe, N. and **Rockland, K.S.** Distribution of synaptic zinc in the macaque amgydala. Journal Comparative Neurology 2005; 489:135-147.
36. Ichinohe, N. and **Rockland, K.S.** Zinc-enriched amygdalo- and hippocampo-cortical connections to the inferotemporal cortices in macaque monkey. Neuroscience Research 2005; 53:57-68.
37. Miyashita, T., Nishimura-Akiyoshi, S., Itohara, S. and **Rockland, K.S.** (2005) Strong expression of *NETRIN-G2* in the monkey claustrum. Neuroscience 2005; 136:487-496.
38. Zhong, Y.M., Yukie, M. and **Rockland, K.S.** Direct projections from CA1 to the superior temporal sulcus in the monkey, revealed by single axon analysis. Brain Research 2005; 1035:211-214.
39. Ichinohe, N. and **Rockland, K.S.** Region specific micromodularity in the uppermost layers in primate cerebral cortex. Cerebral Cortex 2004; 14: 1173-1184.
40. Ichinohe, N., Watakabe, A., Miyashita, T., Yamamori, T., Hashikawa, T. and **Rockland, K.S.** A voltage gated potassium channel, Kv3.1b is expressed by a subpopulation of large pyramidal neurons in layer 5 of the macaque monkey cortex. Neuroscience 2004; 129:179-185.
41. Zhong, Y.M. and **Rockland, K.S.** (2004) Connections between the anterior inferotemporal cortex (area TE) and CA1 of the hippocampus in monkey. Exper. Brain Research 2004; 155: 311-319.
42. Ichinohe, N., Fujiyama F., Kaneko, T. and **Rockland, K.S.** Honeycomb-like mosaic at the border of layers 1 and 2 in the cerebral cortex. Journal Neuroscience 2003; 23:1372-1382.
43. Ichinohe, N., Yoshihara, Y., Hashikawa, T. and **Rockland, K. S.** Developmental study of dendritic bundles in layer 1 of the rat granular retrosplenial cortex, with special reference to a cell adhesion molecule, OCAM. European Journal Neuroscience 2003; 18: 1764-1774.
44. Li, H., Fukuda, M., Tanifuji, M. and **Rockland, K.S.** Intrinsic collaterals of layer 6 Meynert cells and functional columns in primate V1. Neuroscience 2003; 120: 1061-1069.
45. **Rockland, K.S**. and Ojima, H. Multimodal convergence in calcarine visual areas. International Journal. Psychophysiology 2003; 50: 19-26.
46. Zhong, Y.M. and **Rockland, K.S.** Inferior parietal lobule (IPL) projections to anterior inferotemporal cortex (aTE) in macaque monkey. Cerebral Cortex 2003; 13: 527-540.
47. **Rockland, K.S.** Non-uniformity of extrinsic connections and columnar organization. Journal Neurocytology 2002; 31: 247-253.
48**. Rockland, K.S**. Visual cortical organization at the single axon level: a beginning. Neuroscience Research 2002; 42:155-166.
49. Elston, G. N. and **Rockland, K.S.** The Pyramidal cell of the sensorimotor cortex of the macaque monkey: phenotypic variation. Cerebral Cortex 2002; 12: 1071-1078.
50. Ichinohe, N. and **Rockland, K.S.** Parvalbumin positive dendrites co-localize with apical dendritic bundles in rat retrosplenial cortex. NeuroReport 2002; 13: 757-761.
51. Ding, S.L. and **Rockland, K.S.** (2001) Modular organization of the monkey presubiculum. Experimental Brain Research 2001; 139:255-265.
52. **Rockland, K.S**. and Knutson, T. Axon Collaterals of Meynert cells diverge over large portions of Area V1 in the macaque monkey. Journal Comparative Neurology 2001; 441:134-147.
53. **Rockland, K.S.** and Knutson, T. Feedback Connections from Area MT of the squirrel monkey to areas V1 and V2. Journal Comparative Neurology 2000; 425: 345-368.
54. Ding, S.L., **Rockland, K.S.** and Zheng, De-Shu. Parvalbumin immunoreactive Cajal-Retzius and non Cajal-Retzius neurons in layer I of different cortical regions of human newborn, Anatomy and Embryology 2000; 201:407-418.
55. Ding, S.L., Van Hoesen, G.W. and **Rockland, K.S**. Inferior parietal lobule projections to the presubiculum and neighboring ventromedial temporal cortical areas. Journal Comparative Neurology 2000; 425*:* 510-530.

56. Lin, L.-H., Sahai, A.K., **Rockland, K.S**. and Talman, W.T. The distribution of neuronal nitric oxide synthase in the nucleus tractus solitarii of the squirrel monkey. Brain Research 2000; 856:84-92.
57. Morecraft, R.J., **Rockland, K.S.** and Van Hoesen, G.W. Localization of Area Prostriata and its projection to the cingulate motor cortex in the rhesus monkey. Cerebral Cortex 2000; 10:192-203.
58. Nawrot, M., Rizzo, M., **Rockland, K.S**. and Howard, M. A transient deficit of motion perception in human. Vision Research 2000; 40: 3435-3446.
59. **Rockland, K.S**., Andresen, J., Cowie, R.J., and Robinson, D.L. Single axon analysis of pulvinocortical connections to several visual areas in the macaque Journal Comparative Neurology 1999; 406:221-250.
60. **Rockland, K.S**. and Van Hoesen, G.W. Some temporal and parietal cortical connections converge in CA1 of the primate hippocampus. Cerebral Cortex 1999; 9:232-237.
61. **Rockland, K.S.** Convergence and branching patterns of round, type 2 corticopulvinar axons. Journal Comparative Neurology 1998; 390:515-536.
62. Anderson, J.C., Binzegger, T., Martin, K.A.C. and **Rockland, K.S.** The connection from area V1 to V5. A light and electron microscopic study. Journal Neuroscience 1998;18:10525-10540.
63. Wellman, B.J. and **Rockland, K.S.** (1997) Divergent cortical connections to entorhinal cortex from area TF in the macaque monkey Journal Comparative Neurology 1997; 389:361-376.
64. **Rockland, K.S.** Two types of corticopulvinar terminations: round (type 2) and elongate (type 1 Journal Comparative Neurology 1996; 368:57-87.
65. **Rockland, K.S**. and Drash, G.W. Collateralized divergent feedback connections that target multiple cortical areas. Journal Comparative Neurology 1996; 373:529-548.
66. **Rockland, K.S.** The morphology of individual axons projecting from area V2 to MT in the macaque. Journal Comparative Neurology 1995; 355:15-26.
67. **Rockland, K.S**. Further evidence for two types of corticopulvinar neurons. NeuroReport 1994; 5:1865-1868.
68. **Rockland, K.S.** and Van Hoesen, G.W. Direct temporal-occipital feedback connections to striate cortex (V1) in the macaque monkey. Cerebral Cortex 1994; 4:300-313.
69. **Rockland, K.S.,** Saleem, K.S. and Tanaka, K. Divergent feedback connections from areas V4 and TEO in the macaque. Visual Neuroscience 1994; 11:579-600.
70. Saleem, K.S., Tanaka, K., and **Rockland, K.S.** Specific and columnar projections from area TEO to TE in the macaque inferotemporal cortex. Cerebral Cortex 1993; 3:454-464.
71. **Rockland, K.S**. Configuration, in serial reconstruction, of individual axons projecting from area V2 to V4 in the macaque monkey. Cerebral Cortex 1992; 2:353-374.
72. **Rockland, K.S.** Laminar distribution of neurons projecting from Area V1 to V2 in macaque and squirrel monkeys. Cerebral Cortex 1992; 2:38-47.
73. **Rockland, K.S.** and Virga, A. Organization of individual cortical axons projecting from area V1 (area 17) to V2 (area 18) in the macaque monkey.Visual Neuroscience 1990; 4: 11-28.
74. **Rockland, K.S.** Bistratified distribution of terminal arbors of individual axons projecting from area V1 to middle temporal area (MT) in the macaque monkey. Visual Neuroscience 1989; 3:155-170.
75. **Rockland, K.S.** and Virga, A. Terminal arbors of individual "feedback" axons projecting from area V2 to V1 in the macaque monkey: a study using immunohistochemistry of anterogradely transported *Phaseolus vulgaris* leucoagglutinin. Journal Comparative Neurology; 1989; 285:54-72.
76. **Rockland, K.S.** and Pandya, D.N. Topography of occipital lobe commissural connections in the rhesus monkey. Brain Research 1986; 365:174-179.
77. Goffinet, A. and **Rockland, K.S.** Laminar distribution of alpha-1 and beta-1 adrenoceptors in ferret visual cortex. Brain Research 1986; 333:11-17.
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