

BIBLIOGRAPHY

Reviewed Articles

Kretz, R., Tomamichel, F. and Gasser, M. (1977) Ultraviolett-Photographie. Blüten mit Bienenaugen gesehen. Photographie 1/12: 24-27.

Kretz, R. (1979) A behavioural analysis of colour vision in the ant *Cataglyphis bicolor* (Formicidae, Hymenoptera). J. Comp. Physiol. 131: 217-233.

Kretz, R., Ishida, A.T. and Stell, W.K. (1982) Ratfish retina - Intracellular recordings and HRP injections in an isolated, superfused all-rod retina. Vision Res. 22: 857-861.

Kretz, R., Shapiro, E. and Kandel, E. (1982) Post-tetanic potentiation at an identified synapse in *Aplysia* is correlated with a Ca^{2+} -activated K^+ current in the presynaptic neuron: Evidence for Ca^{2+} accumulation. Proc. Natl. Acad. Sci. USA 79: 5430-5434.

Stell, W.K., Kretz, R. and Lightfoot, D.O. (1982) Horizontal cell connectivity in goldfish. In: The S-potential. Eds. B.D. Drujan & M. Laufer, Alan R. Liss, Inc., New York. pp. 51-75.

Kretz, R. (1984) Local cobalt injection: A method to discriminate presynaptic axonal from postsynaptic neuronal activity. J. Neurosci. Meth. 11: 129-135.

Kretz, R., Shapiro, E., Connor, J. and Kandel, E. (1984) Posttetanic potentiation, presynaptic inhibition, and the modulation of the free Ca^{++} level in the presynaptic terminals. Exp. Brain Res. Suppl. 9: 240-283.

Norton, T.T., Rager, G. and Kretz, R. (1985) ON and OFF regions in layer IV of striate cortex. Brain Res. 327: 319-323.

Kretz, R., Shapiro, E., Bailey, C.H. and Kandel, E.R. (1986) Histamine as a putative transmitter of presynaptic inhibition: Effect onto the Ca^{++} channel in *Aplysia* neurons. In: Calcium, neuronal function and transmitter release. Eds. R. Rahamimoff and Sir B. Katz, Martinus Nijhoff Publishing, Boston. pp. 85-86.

Kretz, R., Shapiro, E. and Kandel, E.R. (1986) Presynaptic inhibition produced by an identified presynaptic inhibitory neuron. I. Physiological mechanisms. J. Neurophysiol. 55: 113-130.

Kretz, R., Shapiro, E., Bailey, C.H., Chen, M. and Kandel, E.R. (1986) Presynaptic inhibition produced by an identified presynaptic inhibitory neuron. II. Conductance changes caused by histamine. J. Neurophysiol. 55: 131-146.

Connor, J.A., Kretz, R. and Shapiro, E. (1986) Calcium levels measured in a presynaptic neurone of *Aplysia* under conditions that modulate transmitter release. J. Physiol. 375: 625-642.

Kretz, R., Rager, G. and Norton, T.T. (1986) Laminar organization of ON and OFF regions and ocular dominance in the striate cortex of the tree shrew (*Tupaia belangeri*). J. Comp. Neurol. 251: 135-145.

Foelix, R.F., Kretz, R. and Rager, G. (1987) Structure and postnatal development of photoreceptors and their synapses in the retina of the tree shrew (*Tupaia belangeri*). Cell Tissue Res. 247: 287-297.

Saini, K., Kretz, R. and Rager, G. (1987) Classes of neurons in relation to the laminar organization of the lateral geniculate nucleus in the tree shrew, *Tupaia belangeri*. J. Comp. Neurol. 259: 31-47.

Pritzel, M., Kretz, R. and Rager, G. (1988) Callosal projections between areas 17 in the adult tree shrew (*Tupaia belangeri*). Exp. Brain Res. 72: 481-493.

Kretz, R. and Rager, G. (1990) Postnatal development of interhemispheric connections of the primary visual cortex in *Tupaia*. Verh. Anat. Ges. 83 (Anat. Anz. Suppl. 166): 185-186.

Kretz, R. and Rager, G. (1990) Reciprocal heterotopic callosal connections between the two striate areas in *Tupaia*. Exp. Brain Res. 82: 271-278.

Ungersböck, A., Kretz, R. and Rager, G. (1991) Synaptogenesis in the primary visual cortex of the tree shrew (*Tupaia belangeri*). J. Comp. Neurol. 308: 491-504.

Kretz, R. and Rager, G. (1992) Postnatal development of area 17 callosal connections in *Tupaia*. J. Comp. Neurol. 326: 217-228.

Flügge, G., Fuchs, E. and Kretz, R. (1993) Postnatal development of ³H-rauwolscine binding sites in the dorsal lateral geniculate nucleus and the striate cortex of the tree shrew (*Tupaia belangeri*). Anat. Embryol. 187: 99-106.

Bosking, W.H., Kretz, R., Pucak, M.L. and Fitzpatrick, D. (2000) Functional specificity of callosal connections in tree shrew striate cortex. J. Neurosci. 20(6): 2346-2359.

Lehmann, C., Herdener, M., Esposito, F., Hubl, D., di Salle, F., Scheffler, K., Bach, D.R., Federspiel, A., Kretz, R., Dierks, T. and Seifritz, E. (2006) Differential patterns of multisensory interactions in core and belt areas of human auditory cortex. Neuroimage 31(1): 294-300.

Drenhaus, U., Rager, G., Eggli, P. and Kretz, R. (2006) On the postnatal development of the striate cortex (V1) in the tree shrew (*Tupaia belangeri*). Europ. J. Neurosci. 24 (2): 479-490.

Lehmann, C., Herdener M., Schneider, P., Federspiel, A., Bach, D.R., Esposito, F., di Salle, F., Scheffler, K., Kretz, R., Dierks, T. and Seifritz, E. (2007) Dissociated lateralization of transient and sustained blood oxygen level-dependent signal components in human primary auditory cortex. Neuroimage 34(4): 1637-1642.

Poveda, A. and Kretz, R. (2009) c-Fos expression in the visual system of the tree shrew (*Tupaia belangeri*). *J. Chem. Neuroanatomy* 37: 214-228.

Veit, J., Bhattacharyya, A., Kretz, R. and Rainer, G. (2011) Neural response dynamics of spiking and local field potential activity depend on CRT monitor refresh rate in the tree shrew primary visual cortex. *J. Neurophysiol.* 106(5): 2303-2313.

Petruzziello, F., Fouillen, L., Wadensten, H., Kretz, R., Andren, PE., Rainer, G. and Zhang, X. (2012) Extensive characterization of *Tupaia belangeri* neuropeptidome using an integrated mass spectrometric approach. *J. Proteome Res.* 11(2): 886-896.

Ranc, V., Petruzziello, F., Kretz, R., Argandona, E.G., Zhang, X. and Rainer, G. (2012) Broad characterization of endogenous peptides in the tree shrew visual system. *J. Proteomics* 75(9): 2526-2535.

Bhattacharyya, A., Biessmann, F., Veit, J., Kretz, R. and Rainer, G. (2012) Functional and laminar dissociations between muscarinic and nicotinic cholinergic neuromodulation in the tree shrew primary visual cortex. *Eur. J. Neurosci.* 35(8):1270-1280.

Falasca, S., Petruzziello, F., Kretz, R., Rainer, G. and Zhang, X. (2012) Analysis of Multiple Quaternary Ammonium Compounds in the Brain Using Tandem Capillary Column Separation and High Resolution Mass Spectrometric Detection. *J. Chromatogr. A.* 1241: 46-51.

Fouillen, L., Petruzziello, F., Veit, J., Bhattacharyya, A., Kretz, R., Rainer, G. and Zhang, X. (2013) Neuropeptide alterations in the tree shrew hypothalamus during volatile anesthesia. *J. Proteomics* 80: 311-319.

Albéri, L., Lintas, A., Kretz, R., Schwaller, B. and Villa, A.E.P. (2013) The calcium-binding protein parvalbumin modulates the firing 1 properties of the reticular thalamic nucleus bursting neurons. *J. Neurophysiol.* 109: 2827-2841.

Bhattacharyya, A., Veit, J., Kretz, R., Bondar, I. and Rainer, G. (2013) Basal forebrain activation controls contrast sensitivity in primary visual cortex. *BMC Neuroscience* 2013 14:55.

Veit, J., Bhattacharyya, A., Kretz, R. and Rainer, G. (2013) On the Relation between Receptive Field Structure and Stimulus Selectivity in the Tree Shrew Primary Visual Cortex. *Cerebral Cortex* 24(10): 2761-71.

Falasca, S., Ranc, V., Petruzziello, F., Khani, A., Kretz, R., Zhang, X. and Rainer, G. (2014) Altered neurochemical levels in the rat brain following chronic nicotine treatment. *J. Chem. Neuroanat. Sep*; 59-60: 29-35.

Brai, E., Marathe, S., Zentilin, L., Giacca, M., Nimpf, J., Kretz, R., Scotti, A. and Alberi, L. (2014) Notch1 activity in the olfactory bulb is odour-dependent and contributes to olfactory behaviour. *Europ. J. Neurosci. Sep* 19.

Non-reviewed Articles

Kretz, R. (1974) John Lubbock, ein grosser Biologe des vergangenen Jahrhunderts. Neue Zürcher Zeitung, Forschung und Technik: Nr. 441.

Kretz, R. (1975) Verhaltensgenetik. Neue Zürcher Zeitung, Forschung und Technik: Nr. 150.

Kretz, R. (1976) Blütenökologie. Neue Zürcher Zeitung, Forschung und Technik: Nr. 144.

Kretz, R. (1980) Neurobiologie der Netzhaut. Neue Zürcher Zeitung, Forschung und Technik: Nr. 133.

Kretz, R. (1981) Wie Nervensignale übertragen werden. Bestätigung der Ein-Vesikel-Theorie. Neue Zürcher Zeitung, Forschung und Technik: Nr. 82.

Kretz, R. (1993) Lernen auf molekularer Ebene. Universitas Friburgensis 3: 21-24.

Kretz, R. (1993) Sehen: Das visuelle System. Universitas Friburgensis 3: 25-26.

Kretz, R. (1995) Lernen und Moleküle. Universitas Friburgensis 3: 42-44.

Kretz, R. (1996) Geheimnis des Kurz- und Langzeitgedächtnisses: Lernen und Moleküle. SMM 46: 98-101.

Books

Kretz, R. (1973) Verhaltensphysiologische Bestimmung der spektralen Empfindlichkeit bei *Cataglyphis bicolor* FABR. (Formicidae, Hymenoptera). Diplomarbeit, Universität Zürich.

Kretz, R. (1977) Verhaltensphysiologische Analyse des Farbensehens der Ameise *Cataglyphis bicolor* (Formicidae, Hymenoptera). Dissertation, Universität Zürich.

Kretz, R. (1987) Neural mechanisms underlying short-term synaptic plasticity: Ca²⁺ current modulation and intracellular Ca²⁺ accumulation. Habilitation thesis.

Abstracts

Kretz, R. (1977) Verhaltensversuche zum Farbensehen der Ameise *Cataglyphis bicolor* (Formicidae, Hymenoptera). Verh. Dtsch. Zool. Ges. 1977: 237.

Kretz, R., Shapiro, E. and Kandel, E. (1980) Specific ionic currents underlying post-tetanic potentiation in *Aplysia*. Soc. Neurosci. Abstr. 6: 602.

Kretz, R., Shapiro, E. and Kandel, E. (1981) Direct evidence that Ca^{++} accumulation mediates post-tetanic potentiation in *Aplysia*. Soc. Neurosci. Abstr. 7: 836.

Kretz, R., Shapiro, E. and Kandel, E. (1982) Post-tetanic potentiation in *Aplysia*: Direct evidence for Ca^{++} accumulation. Neurosci. Suppl. 7: 122.

Shapiro, E., Kretz, R. and Kandel, E. (1982) Specific synaptic current underlying presynaptic inhibition in *Aplysia*. Neurosci. Suppl. 7: 191.

Kretz, R., Shapiro, E. and Kandel, E. (1982) Presynaptic Ca^{++} accumulation mediates post-tetanic potentiation in *Aplysia*. Neurosci. Lett. Suppl. 10: 273.

Kretz, R., Rager, G. and Norton, T. (1983) Functional organization of the tree shrew striate cortex. Experientia 39: 636-637.

Norton, T.T., Kretz, R. and Rager, G. (1983) ON and OFF regions in layer IV of the tree shrew striate cortex. Invest. Ophthalmol. Vis. Sci. Suppl. 24: 265.

Bailey, C.H., Chen, M., Kretz, R. and Shapiro, E. (1983) Morphology and pharmacology of presynaptic inhibition mediated by putative histaminergic neurons in *Aplysia*. Soc. Neurosci. Abstr. 9: 1025.

Shapiro, E., Connor, J. and Kretz, R. (1983) Presynaptic Ca^{++} accumulation is the mechanism of post-tetanic potentiation in *Aplysia*: Evidence from the Ca^{++} -indicator dye arsenazo III. Soc. Neurosci. Abstr. 9: 1051.

Kretz, R., Rager, G. and Norton, T. (1984) Functional architecture of the striate cortex in *Tupaia*. Acta Anat. 120: 243.

Kretz, R., Pritzel, M. and Rager, G. (1984) Callosal projections of primary visual cortex in *Tupaia*. Experientia 40: 595.

Kretz, R., Shapiro, E., Bailey, C.H. and Kandel, E. (1984) Histamine as a putative transmitter of presynaptic inhibition: Effect onto the Ca^{++} channel in *Aplysia* neurons. In: International Union of Physiological Sciences Abstract Book: p. 126.

Kretz, R., Rager, G. and Norton, T. (1984) Lamination of the striate cortex in *Tupaia*: ON and OFF regions. In: International Union of Physiological Sciences Abstract Book: p. 231.

Rager, G., Pritzel, M. and Kretz, R. (1984) Interhemispheric connections of area 17 in adult tree shrews (*Tupaia belangeri*). Soc. Neurosci. Abstr. 10: 801.

Foelix, R., Kretz, R. and Rager, G. (1985) Postnatal development of the retina in the tree shrew (*Tupaia belangeri*). Experientia 41: 774.

Saini, K., Kretz, R. and Rager, G. (1985) Classes of neurons in the dorsal lateral geniculate nucleus of the tree shrew, *Tupaia belangeri*. Experientia 41: 776.

Kretz, R., Pritzel, M. and Rager, G. (1985) Area 17 callosal projections in the adult tree shrew (*Tupaia belangeri*). *Experientia* 41: 1216-1217.

Foelix, R., Kretz, R. and Rager, G. (1986) Postnatal development of photoreceptors in the retina of *Tupaia belangeri*. *Acta Anat.* 125: 280.

Kretz, R., Saini, K. and Rager, G. (1987) ON and OFF channels in the geniculostriate pathway of *Tupaia*: A single-unit study. *Acta Anat.* 128: 341.

Kretz, R. and Rager, G. (1987) Postnatal development of area 17 callosal connections in *Tupaia belangeri*. *Experientia* 43: 652.

Kretz, R. and Rager, G. (1987) Interhemispheric connections of area 17 in *Tupaia belangeri*: Postnatal Development. In: *New frontiers in brain research*. Eds. N. Elsner & O. Creutzfeldt, Thieme Verlag, Stuttgart. No. 175.

Kretz, R. and Rager, G. (1988) ON and OFF lamination in the retino-geniculo-striate pathway of *Tupaia*: A parametric study. *Experientia* 44: A71.

Drenhaus, U., Rager, G. and Kretz, R. (1988) On the formation of alternating tiers in the optic chiasm of the chick embryo. *Europ. J. Neurosci. Suppl.* 1: 36.

Kretz, R. and Rager, G. (1988) Postnatal development of interhemispheric connections of the primary visual cortex in *Tupaia*. *Anat. Ges. Abstr.* Vol. 83: 148.

Shapiro, E. and Kretz, R. (1988) The effects of membrane potential and activity pattern on presynaptic function. In: *Cell and molecular neurobiology of Aplysia*. Cold Spring Harbor, New York: p. 18.

Saini, K., Kretz, R. and Rager, G. (1989) Development of lamination in the lateral geniculate nucleus of *Tupaia*. *Experientia* 45: A11.

Kretz, R. and Rager, G. (1989) Reciprocal heterotopic callosal projections in area 17 of *Tupaia belangeri*. *Experientia* 45: A13.

Kretz, R., Saini, K. and Rager, G. (1989) Spectral interactions in the visual system of *Tupaia*. *Experientia* 45: A14.

Kretz, R. and Rager, G. (1989) Visual system of the tree shrew: Reciprocal heterotopic callosal connections. In: *Dynamics and plasticity in neuronal systems*. Eds. N. Elsner & W. Singer, Thieme Verlag, Stuttgart. No. 343.

Kretz, R., Saini, K. and Rager, G. (1989) Visual system of the tree shrew: Spectral interactions. In: *Dynamics and plasticity in neuronal systems*. Eds. N. Elsner & W. Singer, Thieme Verlag, Stuttgart. No. 344.

Ungersböck, A., Kretz, R. and Rager, G. (1990) Development of synapses in area 17 of the tree shrew, *Tupaia belangeri*. *Acta Anat.* 137: 292.

Kretz, R. and Rager, G. (1990) Histochemical localization of cytochrome oxidase activity in the visual cortex of *Tupaia belangeri*: Selective inactivation of the ON and OFF retinal inputs. In: Brain - Perception - Cognition. Eds. N. Elsner & G. Roth, Thieme Verlag, Stuttgart. No. 254.

Kretz, R., Frei, B. and Rager, G. (1991) Cytochrome oxidase activity in the striate cortex of *Tupaia*. *Acta Anat.* 140: 196.

Simeonova, S., Kretz, R. and Rager, G. (1991) Lageentwicklung des primären visuellen Cortex bei *Tupaia*. *Acta Anat.* 140: 199.

Kretz, R., Nay, P., Ettlín, D. and Rager, G. (1992) Topography of retinogeniculate fibres in tree shrews. *Experientia* 48: A87.

Kretz, R., Nay, P. and Rager, G. (1992) Topographic organization of the retinogeniculate fiber pathway in the tree shrew. In: Rhythmogenesis in neurons and networks. Eds. N. Elsner & D.W. Richter, Thieme Verlag, Stuttgart. No. 474.

Kretz, R., Nay, P. and Rager, G. (1992) The dorsal lateral geniculate nucleus and its connections to the parabigeminal nucleus in *Tupaia*. In: Rhythmogenesis in neurons and networks. Eds. N. Elsner & D.W. Richter, Thieme Verlag, Stuttgart. No. 475.

Kretz, R., Nay, P. and Rager, G. (1992) Laminar organization of the geniculostriate projection in the tree shrew. In: Rhythmogenesis in neurons and networks. Eds. N. Elsner & D.W. Richter, Thieme Verlag, Stuttgart. No. 476.

Kretz, R., Nay, P. and Rager, G. (1992) The dorsal lateral geniculate nucleus and its connections in *Tupaia*. *Acta Anat.* 145: 446.

Kretz, R., Nay, P. and Rager, G. (1992) Topographic organization of the retinogeniculate pathway in *Tupaia*. *Acta Anat.* 145: 447.

Kretz, R., Nay, P. and Rager, G. (1993) Structural organization of the geniculostriate pathway in the tree shrew. *Experientia* 49: A79.

Kretz, R. and Rager, G. (1994) Topographic organization of the parabigeminal nucleus in *Tupaia*. In: Annual Meeting of the Society of Anatomy, Histology and Embryology Abstract Book: No. 9.

Kretz, R. and Rager, G. (1995) The parabigeminal nucleus: Topographic organization in *Tupaia*. In: Second Swiss Poster Meeting on Basic and Clinical Neuroscience Abstract Book: No. 51.

Kretz, R., Mooser, F. and Rager, G. (1995) Callosal connections in *Tupaia*: Functional aspects. In: Göttingen Neurobiology Report 1995. Eds. N. Elsner and R. Menzel, Thieme Verlag, Stuttgart. No. 497.

Rager, G. and Kretz, R. (1995) Parabigeminal nucleus in *Tupaia*: Topographic organization. In: Göttingen Neurobiology Report 1995. Eds. N. Elsner and R. Menzel, Thieme Verlag, Stuttgart. No. 498.

Kretz, R. and Rager, G. (1995) The parabigeminal nucleus and its topographic organization. *Experientia* 51: A82.

Kretz, R., Mooser, F., and Rager, G. (1995) Functional consequences of visual callosal connections in *Tupaia*. *Experientia* 51: A83.

Kretz, R., Mooser, F. and Rager, G. (1995) Functional aspects of callosal connections in *Tupaia*. In: Annual Meeting of the Society of Anatomy, Histology and Embryology Abstract Book: No. 6.

Kretz, R., Mooser, F. and Rager, G. (1996) Functional aspects of callosal connections in tree shrews. In: Third Swiss Poster Meeting on Basic and Clinical Neuro-science Abstract Book: No. 06.12.

Lingenhoele, J.G., Bankoul, S., Kretz, R. and Rager, G. (1996) Organization of retinal fibers on the anterior pole of the optic tectum in the chick: A ^{14}C -Deoxy-glucose and tracer study. In: Third Swiss Poster Meeting on Basic and Clinical Neuroscience Abstract Book: No. 06.19.

Kretz, R., Mooser, F. and Rager, G. (1996) Functional aspects of callosal connections in *Tupaia belangeri*. *Europ. J. Physiol. Suppl.* 431: R58.

Mooser, F., Kretz, R. and Rager, G. (1996) Functional aspects of callosal connections in the tree shrew. *Experientia* 52: A71.

Lingenhoele, J.G., Bankoul, S., Kretz, R. and Rager, G. (1996) Retinal fiber organization on the anterior pole of the optic tectum in the chick: A ^{14}C -Deoxy-glucose and tracer study. *Experientia* 52: A72.

Kretz, R., Mooser, F. and Rager, G. (1996) Reversible inactivation of callosal connections in *Tupaia belangeri*. In: The 2nd Meeting of European Neuroscience Abstract Book: No. 56.26, p. 104.

Mooser, F., Kretz, R. and Rager, G. (1996) Transcallosal circuitry revealed by cryoblocking in the tree shrew. In: Annual Meeting of the Society of Anatomy, Histology and Embryology Abstract Book.

Mooser, F., Kretz, R. and Rager, G. (1997) Callosal connections revealed by cryoblocking in the tree shrew (*Tupaia belangeri*). In: Second Annual Meeting of the Swiss Society for Neuroscience Abstract Book: No. 06.08.

Kretz, R., Bosking, W.H. and Fitzpatrick, D. (1998) Ipsilateral visual field representation in *Tupaia* striate cortex: Optical imaging and electrophysiology. In: Göttingen Neurobiology Report 1998. Eds. N. Elsner and R. Wehner, Thieme Verlag, Stuttgart. No. 479.

Mooser, F., Kretz, R. and Rager, G. (1998) Functional properties of callosal neurons in the tree shrew (*Tupaia belangeri*). *Europ. J. Neurosci.* 10; Suppl. 10, 233.

- Kretz, R., Bosking, W.H. and Fitzpatrick, D. (1998) Ipsilateral visual field representation in *Tupaia* striate cortex. In: Annual Meeting of the Society of Anatomy, Histology and Embryology Abstract Book.
- Bosking, W.H., Kretz, R. and Fitzpatrick, D. (1998) Ipsilateral visual field representation and visuotopic specificity of callosal connections in tree shrew striate cortex. Soc. Neurosci. Abstr. 24: 1755.
- Kretz, R., Bosking, W.H. and Fitzpatrick, D. (1999) Ipsilateral visual field representation in V1. In: Fourth Annual Meeting of the Swiss Society for Neuroscience Abstract Book: No. 08.14.
- Brügger, B. and Kretz, R. (2001) Of satellites and microscopes. In: Annual Meeting of the Society of Anatomy, Histology and Embryology Abstract Book.
- Brügger, B. and Kretz, R. (2002) Location of the central area determined on the basis of the blood vessel pattern in the retinal wholemount preparation of *Tupaia belangeri*. In: Annual Meeting of the Swiss Society for Neuroscience Abstract Book: No. E-3, p. 31.
- Kretz, R. (2002) Gibt es eine Repräsentation des ipsilateralen Gesichtsfeldes in V1? In: Annual Meeting of the Society of Anatomy, Histology and Embryology Abstract Book p. 5.
- Kretz, R., Bosking, W.H. and Fitzpatrick, D. (2002) Ipsilateral visual field representation in V1 of the tree shrew. In: Annual Meeting of the Society of Anatomy, Histology and Embryology Abstract Book p. 16.
- Kretz, R., Drenhaus, U., and Rager, G. (2004) Developmental alterations of the optic tectum influence the precision of the retinotectal projection in the chick embryo. In: Annual Meeting of the Swiss Society for Neuroscience Abstract Book: No. A-47, p. 16.
- Drenhaus, U., Kretz, R., and Rager, G. (2004) Specificity and precision of the chick retinotectal projection during the period of developmental alterations of the optic tectum. In: Annual Meeting of the Union of the Swiss Societies for Experimental Biology Abstract Book: No. P-075, p. 59.
- Kretz, R., Eggli, P., Rager, G., and Drenhaus, U. (2005) Postnatal development of the primary visual cortex in the tree shrew (*Tupaia belangeri*). In: Annual Meeting of the Swiss Society for Neuroscience and the Union of the Swiss Societies for Experimental Biology Abstract Book: No. P160, p. 134.
- Lehmann, C., Herdener, M., Esposito, F., Hubl, D., Di Salle, F., Scheffler, K., Bach, D., Kretz, R., Dierks, T., and Seifritz, E. (2005) Hierarchical modulation of cross-modal interaction in human auditory cortex. Annual Workshop of the BENEFR program in Neuroscience, universities of Fribourg and Bern.
- Drenhaus, U., Kretz, R., Rager, G., and Eggli, P. (2005) Developmental changes of the area striata in the tree shrew (*Tupaia belangeri*): 3-dimensional reconstructions.

In: 6. Kongress „Facetten der modernen Anthropologie“ der Gesellschaft für Anthropologie, Abstract Book, p. 23.

Drenhaus, U., Eggli, P., Rager, G., and Kretz, R. (2005) The topographic spreading of area striata in tree shrews (*Tupaia belangeri*) from birth to maturity. In: Annual Meeting of the Society of Anatomy, Histology and Embryology Abstract Book p. 28.

Kretz, R., Rager, G. and Drenhaus, U. (2006) On the maturation of the tree shrew striate cortex in relation to its visuotopic organization. In: Annual Meeting of the Swiss Society for Neuroscience and the Swiss Society for Neuroradiology Abstract Book: No. A2, p. 23.

Lehmann, C., Herdener, M., Schneider, P., Federspiel, A., Bach, D., Esposito, F., Di Salle, F., Scheffler, K., Kretz, R., Dierks, T., and Seifritz, E. (2006) Dissociated lateralization of transient and sustained blood oxygen level-dependent signal components in human primary auditory cortex. . In: Annual Meeting of the Swiss Society for Neuroscience and the Swiss Society for Neuroradiology Abstract Book: No. I15, p. 77.