

LIST OF PUBLICATIONS

BENGT FALCK, MD, PhD
Professor of Histology

1. Falck, B. Occurrence of cholesterol and formation of oestrogen in the infantile rat ovary. *Acta Endocrinologica* 1953, 12: 115-122.
2. Falck, B., N.-Å. Hillarp and B. Högberg. Content and intracellular distribution of adenosinetriphosphate in cow adrenal medulla. *Acta physiol.scand.* 1956, 36: 360-375.
3. Falck, B., and N.-Å. Hillarp. Localization of acid phosphatase in the adrenal medullary cell. *Acta Endocrinologica* 1956, 22: 95-106.
4. Falck, B. Site of Production of Oestrogen in the Ovary of the Rat. *Nature* 1959, 184: 1082.
5. Falck, B. Site of production of oestrogen in rat ovary as studied in microtransplants. *Acta physiol.scand. suppl.* 163, 1959, 47: 1-101 (Thesis).
6. Falck, B., N.-Å. Hillarp and A. Torp. A new type of chromaffin cells probably storing dopamine. *Nature* 1959, 183: 267-268.
7. Falck, B., and N.-Å. Hillarp. A note on the chromaffin reaction. *J. Histochem. Cytochem.* 1959, 7: 147
8. Falck, B., and N.-Å. Hillarp. On the cellular localization of catecholamines in the brain. *Acta anat.* 1959, 33: 277-279.
9. Falck, B., N.-Å. Hillarp and A. Torp. Some observations on the histology and histochemistry of the chromaffin cells probably storing dopamine. *J. Histochem. Cytochem.* 1959, 7: 323-328.
10. Bertler, Å., B. Falck, N.-Å. Hillarp, E. Rosengren and A. Torp. Dopamine and chromaffin cells. *Acta physiol.scand.* 1959, 47: 251-258.
11. Falck, B., N.-Å. Hillarp and G. Thieme. A simple device for long-lasting, continuous injections into animals. *Acta physiol.scand.* 1959, 47: 259-261.
12. Falck, B., and N.-Å. Hillarp. Undersökningar över äggstockarnas hormonbildning. *Riksföreningen mot Cancer Årsbok 1957-1959*, p. 245-247.
13. Falck, B., K. Menander and O. Nordanstedt. Intra-ovarian mechanisms in HCG-induced oestrogen secretion. *Lunds Universitets Årsskrift, N.F. avd. 2, bd. 56. Nr. 16.*
14. Carlsson, A., B. Falck, N.-Å. Hillarp, G. Thieme and A. Torp. A new histochemical method for visualization of tissue catechol amines. *Med. exp.* 1961, 4: 123-125.
15. Falck, B., K. Menander and O. Nordanstedt. Androgen secretion by the rat ovary. *Nature* 1962, 193: 593-594.
16. Falck, B., N.-Å. Hillarp, G. Thieme and A. Torp. Fluorescence of catechol amines and related compounds condensed with formaldehyde. *J. Histochem. Cytochem.* 1962. 10: 348-354.
- 17a. Falck, B., and A. Torp. A fluorescence method for histochemical demonstration of

noradrenaline in the adrenal medulla. *Med. exp.* 1961, 5: 429-432.

17b. Falck, B., and A. Torp. A method for the histochemical demonstration of noradrenaline in nervous tissue. *Acta Neurol. scand.* 1962, 38 suppl.1, 51-52.

18. Falck, B., and A. Torp. New evidence for the localization of noradrenaline in adrenergic nerve terminals. *Med. exp.* 1962, 6: 169-172.

19. Carlsson, A., B. Falck, N.-Å. Hillarp and A. Torp. Histochemical localization at the cellular level of hypothalamic noradrenaline. *Acta physiol. scand.* 1962, 54: 385.

20. Falck, B. Histochemical localization of monoamines in tissues. Reports from the third Scandinavian conference on cell research 1962, p. 27.

21. Carlsson, A., B. Falck and N.-Å. Hillarp. Histochemical localization at the cellular level of catecholamines in the brain. Reports from the third Scandinavian conference on cell research 1962, p. 20.

22. Falck, B. Observations on the possibilities of the cellular localization of monoamines by a fluorescence method. *Acta physiol. scand.* 1962, 56: suppl. 197 1-25.

23. Carlsson, A., B. Falck and N.-A. Hillarp. Cellular localization of brain monoamines. *Acta physiol.scand.* 1962, 56: suppl. 196 1-28.

24. Falck, B., and B. Hellman. Evidence for the presence of biogenic amines in pancreatic islets. *Experientia* 1963, 19: 139-142.

25. Dahl, E., B. Falck, M. Lindqvist and C. v. Mecklenburg. Monoamines in mollusc neurones. *Kungl. Fysiografiska Sällskapetets i Lund Förhandlingar* 1962. Bd 32, nr. 8 p. 89-92.

26. Falck, B., J. Häggendal and Ch. Owman. The localization of adrenaline in adrenergic nerves in the frog. *Quart. J. Exp. Physiol.* 1963, 48: 253-257

27. Falck, B., and H. Rorsman. Observations on the adrenergic innervation of the skin. *Experientia* 1963, 19: 205-208.

28. Dahl, E., B. Falck, C. v. Mecklenburg, H. Myhrberg and E. Rosengren. Neuronal localization of dopamine and 5-hydroxytryptamine in some mollusca. *Z. Zellforschung* 1966, 71: 489-498.

29. Dahl, E., B. Falck, C. v. Mecklenburg and H. Myhrberg. An adrenergic nervous system in sea anemones. *Quart. J. Micr. Sci.* 1963, 104: 531-534.

30. Fahlén, G., B. Falck and E. Rosengren. Monoamines in the swimbladder of *Gadus callarias* and *Salmo irideus*. *Acta physiol.scand.* 1965, 64: 119-126.

31. Falck, B., and B. Hellman. A fluorescent reaction for monoamines in the insulin producing cells of the guinea-pig: *Acta Endocrinologica* 1964, 45: 133-138.

32. Falck, B., Ch. Owman and N. O. Sjöstrand. Peripherally located adrenergic neurons in the vas deferens and the seminal vesicle of the guinea-pig. *Experientia* 1965, 21: 98-100.

33. Falck, B., and H. Möller: Catechol amines of the skin treated with organic solvents and

ultraviolet light. *Acta dermat.-venerol.* 1963, 43: 480-484.

34. Falck, B., T. Nystedt, E. Rosengren and J. Stenflo. Dopamine and mast cells in ruminants. *Acta Pharmacol. et toxicol.* 1964, 21: 51-58.

35. Dahl, E., B. Ehinger, B. Falck, C. v. Mecklenburg, H. Myhrberg and E. Rosengren. On the monoamine storing cells in the heart of *Lampetra fluviatilis* and *L. planeri* (Cyclostomata). *Gen. and Comp. Endocrinol.* 1971, 17: 241-246.

36. Enemar, A., B. Falck and R. Håkanson. Observations on the appearance of noradrenaline in the sympathetic nervous system of the chick embryo. *Develop. Biology* 1965, 11: 268-283.

37. Bertler, Å., B. Falck and Ch. Owman. Cellular localization of 5-hydroxytryptamine in the rat pineal gland. *Kungl. Fysiografiska Sällskapetets i Lund förhandlingar* 1963, Bd 33, nr. 2: 13-16.

38. Bertler, Å., B. Falck and Ch. Owman. Studies on the 5-hydroxytryptamine stores in the pineal gland of rat. *Acta physiol.scand.* 1964, 63: suppl. 239, 1-18.

39. Falck, B., B. Larsson, C.v. Mecklenburg, E. Rosengren and K. Svenaeus. On the presence of a second specific cell system in the mammalian thyroid gland. *Acta physiol.scand.* 1964, 62: 491-492.

40. Falck, B. Cellular localization of monoamines. *Progress in Brain Research* 1964, 8: 28-44.

41. Carlsson, A., B. Falck, K. Fuxe and N.-A. Hillarp. Cellular localization of monoamines in spinal cord. *Acta physiol.scand.* 1964, 60: 112-119.

42. Dahl, E., B. Falck, C.v. Mecklenburg and H. Myhrberg. Adrenergic sensory neurons in invertebrates. *Gen. and Comp. Endocrinol.* 1963, 3.

43. Owman, Ch., and B. Falck. Localization of neuronal monoamines at the cellular level. *Proc. Second Int. Pharmacol. Meeting. Prague 1963, Pergamon Press, Oxford* 1965, 3: 165-183.

44. Cegrell, L., B. Falck and B. Hellman. Monoaminergic mechanisms in the endocrine pancreas. " The Structure and Metabolism of the Pancreatic Islets " *Proceeding of the 3th Int. Symposium, Sthlm Aug. 1963. Pergamon Press, 1964, p. 429-435.*

45. Bertler, Å., B. Falck and C.v. Mecklenburg. Monoaminergic mechanisms in special ependymic areas in the rainbow trout, *Salmo irideus* L. *Gen. and Comp. Endocrinol.* 1963, 6: 685 (abstr.)

46. Bertler, A., B. Falck and E. Rosengren. The direct demonstration of a barrier mechanism in the brain capillaries. *Acta Pharmacol. et toxicol.*, 1963, 20: 317-321.

47. Falck, B., G.I. Mchedlishvili and Ch. Owman. Histochemical demonstration of adrenergic nerves in cortex-pia of rabbit. *Acta Pharmacol. et toxicol.* 1965, 23: 133-142.

48. Bertler, Å., B. Falck, C.G. Gottfries, L. Ljunggren and E. Rosengren. Some observations on adrenergic connections between mesencephalon and cerebral hemispheres. *Acta Pharmacol. et toxicol.* 1964, 21: 283-289.

49. Falck, B., and Ch. Owman. A detailed description of the fluorescence method for the cellular localization of biogenic monoamines. *Acta Universitatis Lundensis, sectio II* 1965 No 7, 1-23.

50. Falck, B., G.I. Mchedlishvili and Ch. Owman. The adrenergic structures of pial arteries and their relations with the cerebral cortex. *Bull. EKFP. Biol.* 1965, 59: 98-104.
51. Enemar, A., and B. Falck. On the presence of adrenergic nerves in the pars intermedia of frog *Rana temporaria*. *Gen. and Comp. Endocrinol.* 1965, 5: 577-583.
52. Falck, B., S. Jacobson, H. Olivecrona and H. Rorsman. Pigmented nevi and malignant melanomas as studied with a specific fluorescence method. *Science* 1965, 149: 439-440.
53. Falck, B., and Ch. Owman. Histochemistry of monoaminergic mechanisms in peripheral neurons. Paper presented at the Symposium on Mechanisms of Release of Biogenic Amines. Sthlm febr. 1965. Pergamon Press, Oxford 1966, p. 59-72.
54. Falck, B., S. Jacobson. H. Olivecrona and H. Rorsman. Specific fluorescence in pigmented nevi and malignant melanomas. *Riksföreningen mot Cancer Årsbok 1963-1965*, 4: 95-98.
55. Baumgarten, H.G., B. Falck, A.F. Holstein, Ch. Owman and T. Owman. Adrenergic innervation of the human testis, epididymis, ductus deferens and prostate: A fluorescence microscopical and fluorimetric study. *Z. Zellforschung* 1968, 90: 81-95.
56. Ehinger, B., and B. Falck. Noradrenaline and cholinesterases in concomitant nerve fibres in the rat iris. *Life Sciences* 1965, 4: 2097-2100.
57. Bertler, Å., B. Falck, Ch. Owman and E. Rosengren. The localization of monoaminergic blood-brain barrier mechanisms. *Pharmacological Review*, 1966, 18: 369-385.
58. Falck, B., Ch. Owman and E. Rosengren: Changes in rat pineal stores of 5-hydroxytryptamine after inhibition of its synthesis or break-down. *Acta physiol. scand.* 1966, 67: 300-305.
59. Falck, B., S. Jacobson, H. Olivecrona, G. Olsen, H. Rorsman and E. Rosengren. Determination of catecholamines, 5-hydroxytryptamine, and 3,4-dihydroxyphenylalanine (DOPA) in human malignant melanomas. *Acta Derm.-Venerol.* 1966, 46: 65-67.
60. Ehinger, B., B. Falck, H. Persson, A.-M. Rosengren and E. Rosengren. Choline acetylase activity in the normal and denervated cat iris. *Life Science* 1966, 5: 481-483.
61. Falck, B., C.v. Mecklenburg, H. Myhrberg and H. Persson. Studies on adrenergic and cholinergic receptors in the isolated hearts of *Lampetra fluviatilis* (Cyclostomata) and *Pleuronectes platessa* (Teleostei). *Acta physiol.scand.* 1966, 68: 64-71.
62. Enemar, A., B. Falck and F.C. Iturriza. Adrenergic nerves in the pars intermedia of the pituitary in the toad, *Bufo Arenarum*. *Z. Zellforschung*, 1967, 77: 325-330.
63. Falck, B., and Ch. Owman. 5-hydroxytryptamine and related amines in endocrine cell systems. *Advances in Pharmacology*, Ed.: S. Garattini and P.A. Shore, Academic Press, London and N.Y. 1968, 6: part A, 211-231.
64. Ehinger, B., B. Falck and H. Persson. Hexamethonium potentiates noradrenaline-induced contractions in the feline dilatator pupillae. *J. of Pharmacy and Pharmacology* 1967, 19: 555-557.
65. Ehinger, B., and B. Falck. Concomitant adrenergic and parasympathetic fibres in the rat iris. *Acta physiol. scand.* 1966, 67: 201-207.

66. Falck, B., S. Jacobsson, H. Olivecrona and H. Rorsman. Fluorescent Dopa Reaction of Nevi and Melanomas. *Arch. of Dermatology* 1966, 94: 363-369.
67. Olivecrona, H., B. Falck, S. Jacobson och H. Rorsman. Fluorescensmikroskopiska undersökningar av pigmenterade nevi och maligna melanom. *Nordisk Medicin* 1966, 75: 318.
68. Ehinger, B., B. Falck and B. Sporrang. Adrenergic fibres to the heart and to peripheral vessels. *Symp.electr.Activ.Innerv.Blood Vessels*, Cambridge 1966, *Bibl. anat.*, vol. 8, pp 35-45 (Karger, Basel/New York 1966)
69. Falck, B., S. Jacobsson, H. Olivecrona, H. Rorsman, A.-M. Rosengren and E. Rosengren. On the occurrence of catechol derivatives in malignant melanomas. *Communications from the Department of Anatomy, University of Lund Sweden*, 1966, No 5 p. 1-8
70. Cegrell, L., B. Falck and E. Rosengren. On the occurrence of catechol derivatives in the guinea-pig pancreas. *Communications from the Department of Anatomy, University of Lund Sweden*, 1966, No 4.
71. Dahl, E., B. Falck och Ch. Owman. Biogena monoaminer i djurvärlden. *Svensk Naturvetenskap* 1967, p. 209-214.
72. Alm, P., B. Ehinger and B. Falck. L-Dopa turnover in the mouse pancreas. *Life Sciences* 1967, 6: 913-917.
73. Ehinger, B., B. Falck and H. Persson. Function of cholinergic nerve fibres in the cat iris dilator. *Acta physiol.scand.* 1968, 72: 139-147.
74. Ehinger, B., B. Falck and E. Rosengren. Adrenergic Denervation of the Eye by Unilateral Cervical Sympathectomy. *Albrecht v. Graefes Arch. klin. exp. Ophthal.* 1969, 177: 206-211.
75. Falck, B., O. Ljungberg and E. Rosengren. On the occurrence of monoamines and related substances in familial medullary thyroid carcinoma with pheochromocytoma. *Acta pathol. microbiol.* 1968, 74: 1-10.
76. Cegrell, L., B. Falck and A.-M. Rosengren. Dopamine and 5-hydroxytryptamine in the guinea-pig pancreas. *Life Sciences* 1967, 6: 2483-2489.
77. Björklund, A., B. Falck and E. Rosengren. Monoamines in the pituitary gland of the pig. *Life Sciences* 1967, 6: 2103-2110.
78. Alm, P., L. Cegrell, B. Ehinger and B. Falck. Remarkable adrenergic nerves in the exocrine pancreas. *Z. Zellforschung* 1967, 83: 178-186.
79. Baumgarten, H.-G., B. Ehinger and B. Falck. Microspectrofluorimetric differentiation between primary and secondary catecholamines in tissues. *Life Sciences* 1967, 6: 2465-2468.
80. Falck, B., R. Håkanson, Ch. Owman and N.-O. Sjöberg. Monoamine-storing cells of the enterochromaffin type in gastrointestinal tract of human fetus. *Acta physiol. scand.* 1967, 71: 403-404.
81. Björklund, A., B. Ehinger and B. Falck. A possibility for differentiating dopamine from nor-adrenaline in tissue sections by microspectrofluorometry. *Acta physiol. scand.* 1968, 72: 253-254.

82. Falck, B., and Ch. Owman. Fluorescence histochemistry of monoamines with special regard to studies of blood-brain barrier mechanisms In: "Neurophatology: Methods and Diagnosis", Editor: C.G. Tedesc 1970. Little, Brown and Comp. Inc. p. 385-400.
83. Cegrell, L., B. Falck and A.-M. Rosengren. Catechol derivatives in the skin of young mice. *Acta Universitatis Lundensis* 1967, Sectio II, No. 30, p. 1-5
84. Falck, B., K. C. Nielsen and Ch. Owman. Adrenergic innervation of the pial circulation. *Scand. J. Lab. and Clin. Invest.* 1968, suppl. 102, VI:B, p. 96 and presented at the Symposium Correlation of Blood Supply with Metabolism and Function " Tbilisi, USSR, May 1968, 96-98.
85. Björklund, A., B. Ehinger and B. Falck. A method for differentiating dopamine from noradrenaline in tissue section by microspectrofluorometry. *J. Histochem. Cytochem.* 1968, 16: 263-270.
86. Björklund, A., A. Enemar and B. Falck. Monoamines in the hypothalamo-hypophysial system of the mouse with special reference to the ontogenetic aspects. *Z. Zellforschung* 1968, 89: 590-607.
87. Björklund, A., B. Falck and L. Ljunggren. Monoamines in the bird median eminence. Failure of cocaine to block the accumulation of exogenous amines. *Z. Zellforschung* 1968, 89: 193-200.
88. Ehinger, B., B. Falck and H.E. Myhrberg. Biogenic Monoamines in *Hirudo Medicinalis*. *Histochemie* 1968, 15: 140-149.
89. Cegrell, L., B. Falck and E. Rosengren. Monoamines in the pig pancreas with special reference to the endocrine part. In: L. Cegrell: The occurrence of biogenic monoamines in the mammalian endocrine pancreas. *Acta physiol.scand.* 1968, suppl.314 p. 8-13.
90. Cegrell, L., and B. Falck. The development of monoamine containing cells in guinea-pig pancreas. In: L. Cegrell: The occurrence of biogenic monoamines in the mammalian endocrine pancreas, *Acta physiol.scand.* 1968, suppl.314 p. 24-34.
91. Alm, P., B. Ehinger and B. Falck. Histochemical studies on the metabolism of L-dopa and some related substances in the exocrine pancreas. *Acta physiol.scand.* 1969, 76: 106-120.
92. Ehinger, B., B. Falck and B. Sporrang. Possible Axo-Axonal Synapses between Peripheral Adrenergic and Cholinergic Nerve Terminals. *Z. Zellforschung* 1970, 107: 508-521.
93. Björklund, A., and B. Falck. Histochemical Characterization of a Tryptamine-Like Substance Stored in Cells of the Mammalian Adenohypophysis. *Acta physiol.scand.* 1969, 77: 475-489.
94. Ehinger, B., B. Falck, H. Persson and B. Sporrang. Adrenergic and cholinesterase-containing neurons of the heart. *Histochemie* 1968, 16: 197-205.
95. Falck, B., Ch. Owman, E. Rosengren and N.-O. Sjöberg. Persisting high level of transmitter in uterine short adrenergic neurons following prolonged treatment with 17 β -estradiol. *Acta Endocrinologica* 1969, 62: 77-81.
96. Ehinger, B., B. Falck, S. Jacobsson and H. Rorsman. Formaldehyde-induced fluorescence of intranuclear bodies in melanoma cells. Read at the Simposio Dermatologico, Bari, april 26, 1968

Brit. J. Derm. 1968, 80: 115-118.

97. Braak, H., H.G. Baumgarten und B. Falck. 5-hydroxytryptamine im Gehirn der Eidechse (*Lacerta viridis* und *Lacerta muralis*). Z. Zellforschung 1968, 90: 161-185.

98. Falck, B., Ch. Owman, E. Rosengren and N.-O. Sjöberg. Reduction by Progesterone of the Estrogen-induced increase in Transmitter Level of the Short Adrenergic Neurons Innervating the Uterus, Endocrinology 1969, 84: 958-959.

99. Björklund, A., L. Cegrell, B. Falck, M. Ritzen and E. Rosengren. Dopamine-containing cells in sympathetic ganglia. Acta physiol.scand. 1970, 78: 334-338.

100. Björklund, A., and B. Falck. Pituitary monoamines of the cat with special reference to the presence of an unidentified monoamine--like substance in the adenohypophysis. Z. Zellforschung 1969, 93: 254-264.

101. Björklund, A., and B. Falck. An improvement of the histochemical fluorescence method for monoamines. Observations on varying extractability of fluorophores in different nerve fibres. J. Histochem. Cytochem. 1968, 16: 717-720.

102. Baumgarten, H.G., B. Falck and W. Lange. Adrenergic Nerves in the Corpora Caverosa Penis of Some Mammals. Z. Zellforschung 1969, 95: 58-67.

103. Björklund, A., B. Falck and R. Håkanson. An improved formaldehyde condensation reaction for the detection of catecholamines on a silica gel thin layer. J. Chromatography 1969, 40: 186-187.

104. Cegrell, L., and B. Falck: A Catecholamine Storage in the Pancreatic A₂-Cells of Owl Monkey (*Aotes Trivirgatus*). Z. Zellforschung 1969, 94: 530-533.

105. Ehinger, B., B. Falck and A. M. Laties. Adrenergic Neurons in Teleost Retina. Z.Zellforschung 1969, 97: 285-297.

106. Cegrell, L., B. Falck and A.-M. Rosengren: Catechol and Indole Derivatives in a Transplantable Islet-Cell Tumour of the Golden Hamster. Acta physiol.scand. 1969, 77 23-27.

107. Cegrell, L., B. Falck and A.-M. Rosengren. Extraction of dopa from the integument of pigmented animals. Acta physiol.scand. 1970, 78: 65-69.

108. Björklund, A., B. Falck and R. Håkanson. Histochemical demonstration of tryptamine. Properties of the formaldehyde-induced fluorophores of tryptamine and related indole compounds in models. Acta physiol.scand. 1968, suppl. 318 p. 1-31.

109. Björklund, A., B. Ehinger and B. Falck. Microspectrofluorometry of Dopamine and Noradrenaline in Tissue Sections. In: Third Int. Congress of Histochemistry and Cytochemistry, New York, N.Y. Aug. 18-22 1968, Springer Verlag N.Y. p. 21

110. Ehinger, B., and B. Falck. Fluorescence Microscopical Demonstration of 5-Hydroxydopamine in Adrenergic Nerves. Histochemie 1969, 18: 1-7.

111. Ehinger, B., and B. Falck. Innervation of Iridic Melanophores. Z. Zellforschung 1970 105: 538-542.

112. Ehinger, B., and B. Falck. Uptake of Some Catecholamines and their Precursors into

- Neurons of the Rat Ciliary Ganglion. *Acta physiol. scand.* 1-970, 78: 132-141.
113. Falck, B., L. Ljunggren and L. Nordgren. Diencephalic catecholamines in chick and pigeon. *Life Sciences* 1969, 8: 889-893.
114. Ehinger, B., B. Falck and U. Stenevi. Adrenergic and non-adrenergic valvular nerves of the heart. *Experientia* 1969, 25: 742-743.
115. Ehinger, B., B. Falck and U. Stenevi. Rapid demonstration of adrenergic nerves in tissue sections. *J. of Histochem. Cytochem.* 1969, 17: 351-353.
116. Falck, B., J. Müntzing and A.-M. Rosengren. Adrenergic nerves to the dermal melanophores of the rainbow trout, *Salmo Gairdneri*. *Z. Zellforschung* 1969, 99: 430-434.
117. Björklund, A., B. Falck and U. Stenevi. Histochemical identification of a new central monoamine neuron system. In: Abstracts VII Meeting of the Nordic society for cell research, Gothenburg, Sweden June 7-10 1971, p. 3.
118. Björklund, A., B. Falck and A. Nobin. Failure of Neonatally Administered Reserpine to Affect the Hypothalamic Catecholamine in the Adult Rat. *Endocrinology*, 1969, 85: 788-790.
119. Falck, B., L. Nordgren and E. Rosengren. Effect of Haloperidol on monoamines in brain and heart. *Int. J. Neuropharmac.* 1969, 8: 631-634.
120. Ehinger, B., and B. Falck. Adrenergic Retinal Neurons of Some New World Monkeys. *Z. Zellforschung* 1969, 100: 364-375.
121. Ehinger, B., and B. Falck. Morphological and Pharmacohistochemical Characteristics of Adrenergic Retinal Neurons of Some Mammals. *Albrecht v. Graefes Arch. klin. exp. ophtal.* 1969, 178: 295-305.
122. Björklund, A., B. Falck, F. Hromek, Ch. Owman and K. West. Identification and terminal distribution of the tubero-hypophyseal monoamine fibre systems in the rat by means of stereotaxic and microspectro-fluorimetric techniques. *Brain Research* 1970, 17: 1-23.
123. Alm, P., B. Ehinger, B. Falck and L. Nordgren. Effects of reserpine and prenylamine on the L-dopa turnover in the rat exocrine pancreas. *Europ. J. of Pharmacology*, 1971, 16: 192-200. *Eller Communic. Dpt Anat?*
124. Cegrell, L., B. Falck and A.-M. Rosengren. Dopa-decarboxylase and Monoamine Oxidase Activities in a Transplantable Islet Cell Tumour of the Golden Hamster. *Experientia* 1969, 25: 969-970.
- 125a. Bartosik, J and Falck, B. Cytochrome-derived Birbeck granules are endocytic organelles. *Third International Workshop on Langerhans cells.* 1991.
- 125b. Falck, B., Andersson, L., Bendsoe, N. and Mikulowska, A. Induction of massive fluid uptake into human epidermal Langerhans cells. *Third International Workshop on Langerhans cells.* 1991.
126. Baumgarten, H.G., B. Falck and H. Wartenberg. Adrenergic neurons in the spinal cord of the pike (*Esox Lucius*) and their relation to the caudal neurosecretory system. *Z. Zellforschung* 1970, 107: 479-498.
127. Ehinger, B., B. Falck, H. Persson, A.-M. Rosengren and B. Sporrang. Acetylcholine in

adrenergic terminals of the cat iris. *J. Physiol.* 1970, 209: 557-565.

128. Björklund, A., B. Falck, F. Hromek and Ch. Owman. An enzymic barrier mechanism for monoamine precursors in the newly forming brain capillaries following electrolytic or mechanical lesions. *J. of Neurochem.* 1969, 16: 1605-1608.

129. Falck, B., K. C. Nielsen, Ch. Owman, H. Persson and B. Sporrang. Adrenergic mechanisms in the development of hypothermic ventricular fibrillation in the isolated perfused heart of the cat. *Europ. J. of Pharmacology* 1972, 17: 66-74.

130. Björklund, A., B. Falck and R. Håkanson. Microspectrofluorometric Characterization of Catecholamines and Indolamines on Silica Gel Thin Layer after Formaldehyde Condensation. *Anal. Biochem.* 1970, 35: 264-276.

131. Björklund, A., B. Falck and U. Stenevi. Classification of monoamine neurons in the rat mesencephalon: distribution of a new monoamine neurone system. *Brain Research* 1971, 32: 1-17.

132. Björklund, A., B. Falck and N. Klemm. Microspectrofluorimetric and Chemical Investigation of Catecholamine-Containing Structures in the Thoracic Ganglia of Trichoptera (Insecta) *J. Insect Physiol.* 1970, 16: 1147-1154.

133. Falck, B., S. Jacobsson, H. Olivecrona, H. Rorsman, A.M. Rosengren and E. Rosengren. Dopa in melanin producing cells. *Giornale Italiano di Dermatologia Minerva Dermatologica* 1969, 44-110, 493-496.

134. Björklund, A., B. Falck and R. Håkansson. Comparison of formaldehyde gas and Prochazka reagents for the detection of biogenic monoamines by thin-layer chromatography. *J. Chromatography* 1970, 47: 530-536.

135. Björklund, A., B. Falck and U. Stenevi. On the possible existence of a new intraneuronal monoamine in the spinal cord of the rat. *J. Pharmacology and Exp. Therap.* 1970, 175: 525-532.

136. Ehinger, B., and B. Falck. Cellular Uptake of Some Amino Acids and Amines in Vitro into Rabbit and Monkey Anterior Eye Segment Preparations. *Exp. Eye Research* 1970, 10: 352-359.

137. Björklund, A., B. Falck and Ch. Owman. Fluorescence microscopic and microspectrofluorometric techniques for the cellular localization and characterization of biogenic amines. In: S.A. Berson (ed): *Methods in Investigative and Diagnostic Endocrinology*. Vol. 1: J.E. Rail and I.J. Kopin (eds.): *The Thyroid and Biogenic Amines*. North-Holland Publ. Comp. Amsterdam 1972, p. 318-368.

138. Björklund, A., B. Falck and Ulf Stenevi. Microspectrofluorometric characterization of monoamines in the central nervous system: Evidence for a new neuronal monoamine-like compound. In: O. Eränkö, Ed: *Progress in Brain Research*, 1971, 34: 63-73.

139. Ehinger, B., and B. Falck. Autoradiography of some suspected neurotransmitter substances: GABA glycine, glutamic acid, histamine, dopamine, and L-DOPA. *Brain Research* 1971, 33: 157-172.

140. Agrup, G., B. Falck and H. Rorsman. Formaldehyde-induced fluorescence of epidermal melanocytes after a single dose of ultraviolet irradiation. *Acta Dermatovener* 1971, 51: 353-357.

141. Agrup, G., B. Falck, H. Olivecrona and H. Rorsman. Formaldehyde-induced fluorescence of epidermal melanocytes of Caucasian and negro skin. *Acta Dermatovener* 1971, 51: 350-352.
142. Björklund, A., B. Ehinger, and B. Falck: Analysis of fluorescence excitation peak ratios for the cellular identification of noradrenaline, dopamine or their mixtures. *J. Histochem. Cytochem.* 1972, 20: 56-64.
143. Björklund, A., B. Falck, S. Jacobsson, H. Rorsman, A.-M. Rosengren and E. Rosengren. Cysteinyl Dopa in Human Malignant Melanoma. *Acta Dermatovener* 1972, 52: 357-360.
144. Dahlqvist, I., B. Falck, S. Jacobson, H. Rorsman, A.-M. Rosengren and E. Rosengren. 5-S-Cysteinyl-dopa in the urine of melanoma patient. A preliminary report. *Comm. Dept. Anatomy, Univ. Lund, Sweden* 1972, No 7.
145. Axelsson, S., A. Björklund, B. Falck, O. Lindvall and L.-Å. Svensson. Glyoxylic Acid Condensation: A New Fluorescence Method for the Histochemical Demonstration of Biogenic Monoamines. *Acta physiol.scand.* 1973, 87: 57-62.
146. Björklund, A., B. Falck, O. Lindvall and L.-Å. Svensson. New aspects on reaction mechanisms in the formaldehyde fluorescence method for monoamines, *J. Histochem. Cytochem.* 1973, 21: 17-25.
147. Agrup, G., B. Falck, B.-M. Kennedy, H. Rorsman, A.-M. Rosengren and E. Rosengren. Dopa and 5-S-Cysteinyl-dopa in the urine in healthy humans. *Acta Dermatovener* 1973, 53: 453-454.
148. Agrup, G., B. Falck, S. Jacobson, H. Rorsman, A.-M. Rosengren and E. Rosengren. 5-S-Cysteinyl-dopa in melanomas of Caucasians. *Acta Dermatovener* 1974, 54: 21-22.
149. Björklund, A., and B. Falck. Cytofluorometry of biogenic monoamines in the Falck-Hillarp method. Structural identification by spectral analysis. In: *Fluorescence Techniques in Cell Biology*. Ed.: A.A. Thayer and M. Sernetz. Springer Verlag 1973, p. 171-181.
150. Owman, Ch., L. Edvinsson, B. Falck, K.C. Nielsen. Amine Mechanisms in Brain Vessels, with Particular Regard to Autonomic Innervation and Blood-Brain Barrier. In: *"Pathology of Cerebral Microcirculation"* ed.: J. Cervos-Navarro, Walter de Gruyter o Co., Berlin 1974, p.184-199.
151. Falck, B., S. Gårdmark, G. Nybell, Ch. Owman, E. Rosengren and N.-O. Sjöberg. Ovarian Influence on the Content of Norepinephrine Transmitter in Guinea-pig and Rat Uterus. *Endocrinology*, 1974, 94: 1475-1479.
152. Walles, B., L. Edvinsson, B. Falck, G. Nybell, Ch. Owman, N.-O. Sjöberg and K.-G. Svensson. Modifications of ovarian and follicular contractility by amines. A mechanism involved in ovulation? *Europ. J. Obstet. Gynec. Reprod. Biol.*, 1974, 4/1 Supplement, p. 103-107.
153. Lindvall, O., A. Björklund and B. Falck: Glyoxylic acid condensation. A new fluorescence histochemical method for sensitive and detailed tracing of central catecholamine neurons. *Frontiers in Catecholamine Research*, 1973, pp. 683-687.
154. Lombard-Des Gouttes, M.-N., B. Falck, Ch. Owman, E. Rosengren N.-O. Sjöberg and B. Walles. On the question of content and distribution of amines in the rat testis during development. *Endocrinology*, 1974, 95: 1746-1749.

155. Björklund, A., B. Falck, A. Nobin and U. Stenevi. Organization of the dopamine and noradrenaline innervations of the median eminence-pituitary region in the rat. In: "Neurosecretion - The Final Neuroendocrine Pathway VI International Symposium on Neurosecretion, London 1973. Springer Verlag 1974, p. 209-222.
156. Agrup, G., B. Falck, B.-M. Kennedy, H. Rorsman, A.-M. Rosengren and E. Rosengren. Formation of cysteinyl-dopa from glutathionyl-dopa in melanoma. *Acta Dermatovener* 1975, 55: 1-3.
157. Agrup, G., T. Andersson, B. Falck, K. Persson, H. Rorsman, A.-M. Rosengren and E. Rosengren. 5-S-cysteinyl-dopa in the plasma of melanoma patients and the renal clearance of this amino acid. *Acta Dermatovener* 1975, 55: 5-6.
158. Agrup, G., B. Falck, K. Fyge, H. Rorsman, A.-M. Rosengren and E. Rosengren. Excretion of 5-S-cysteinyl-dopa in the urine of healthy subjects. *Acta Dermatovener* 1975, 55: 7-9.
159. Einer-Jensen, N., L. Edvinsson, B. Falck, Ch. Owman, N.-O. Sjöberg and B. Walles. Measurement of endometrial blood flow in guinea-pig uterus by clearance of intraluminally applied xenon: Effects of oophorectomy, estrogen treatment and pregnancy. *Acta physiol.scand.* 1975, 93: 97-103.
160. Alm, P., B. Falck, Ch. Owman, N.-O. Sjöberg and G. Thorbert. Reduced level of uterine norepinephrine transmitter during HCG-induced pseudopregnancy in the rabbit. *Endocrinology* 1975, 96: 819-822.
161. Walles, B., L. Edvinsson, B. Falck, Ch. Owman, N.-O. Sjöberg and K.G. Svensson. Evidence for a neuromuscular mechanism involved in the contractility of the ovarian follicular wall: Fluorescence and electron microscopy and effects of tyramine on follicle strips. *Biology of Reproduction* 1975, 12: 239-248.
162. Owman, Ch. and B. Falck. Functional approach to the histochemistry of catecholamines in peripheral sympathetic nerves. In: "Golgi Centennial Symposium. Proceedings". Ed.: M. Santini, Raven Press, N.Y. 1975, p. 415-436.
163. Björklund, A., B. Falck, O. Lindvall. Microspectrofluorometric analysis of cellular monoamines after formaldehyde or glyoxylic acid condensation. In: "Methods in Brain Research" Ed.: P.B. Bradley. John Wiley and Sons, London 1975. p. 249-294.
164. Falck, B., S. Ingemansson, A. Nobin and E. Rosengren. The adrenergic innervation of the human liver. *Acta Endocr.* 1975, Suppl. 139 p. 181.
165. Lindvall, O., A. Björklund, B. Falck and L.-Å. Svensson. New principles for microspectrofluorometric differentiation between dopa, dopamine and noradrenaline. *J. Histochem. Cytochem.* 1975, 23: 697-701.
166. Hardebo, J.-E., L. Edvinsson, B. Falck, Ch. Owman, E. Rosengren, U. Stenevi and N.-A. Svendgaard. The blood-brain barrier for amines and their precursor amino acids. In: "Blood Flow and Metabolism in the Brain." Ed.: A.M. Harper, W.B. Jennett, J.D. Miller and J. O. Rowan. Churchill Livingstone, Edinburgh 1975, p. 3.8 - 3.9
167. Lindvall, O., A. Björklund, B. Falck and L.-Å. Svensson. Combined formaldehyde and glyoxylic acid reactions. 1. New possibilities for microspectrofluorometric differentiation between phenylethylamines, indolethylamine and their precursor amino acids. *Histochemistry* 1975, 46: 27-52.

168. Falck, B. Transmitter signals in neuron systems – fluorescence visualization of amines. In: "Biological Signals" Publ, by Kungl. Fysiografiska Sällskapet of Lund, Sweden 1975, p. 13-21.
169. Agrup, G., M. Bengtsson, B. Falck, K. Persson, H. Rorsman, A.-M. Rosengren and E. Rosengren. Demonstration of 3-methoxy-tyrosine in the urine of melanoma patients. *Acta Dermatovener* 1976, 56: 27-31.
170. Falck, B., G. Agrup, S. Jacobsson, H. Rorsman, E. Rosengren, K. Sackner and M. Ögren. Uptake of L-dopa and functionally related aromatic amino acids into the Langerhans cells. *J. Invest. Derm.* 1976, 66: 265.
171. Hardebo, J.E., L. Edvinsson, B. Falck, M. Lindvall, Ch. Owman, E. Rosengren and N.-A. Svendgaard. Experimental models for histochemical and chemical studies of the enzymatic blood-brain barrier for amine precursors. In: "The Cerebral Vessel Wall" ED.: J. Cervós-Navarro et.al. Raven Press New York. 1976 p. 233-244.
172. Ingemansson, S., S. Axelsson, S. Bengmark, B. Falck, A. Lunderquist and A. Nobin. Tarmvenskateterisering med serotoninbestämning vid lokalisation av carcinoider. *Svensk Kirurgi* 1975, 32: No 2.
173. Owman, Ch., B. Falck, E.D.B. Johansson, E. Rosengren, N.-O. Sjöberg, B. Sporrang, K.-G. Svensson and B. Walles. Autonomic nerves and related amine receptors mediating motor activity in the oviduct of monkey and man. A histochemical, chemical and pharmacological study. In: "Ovum Transport and Fertility Regulation", Eds: M.J.K. Harper, C.J. Pauerstein, C.E. Adams, E.M. Coutinho, H.B. Croxatto and D.M. Paton. Scriptor, Copenhagen. 1976 p. 256-275.
174. Lorén, I., A. Björklund, B. Falck and O. Lindvall. An improved histofluorescence procedure for freeze-dried paraffin-embedded tissue based on combined formaldehyde-glyoxylic acid perfusion with high magnesium content and acid pH. *Histochemistry* 1976, 49: 177-192.
175. Björklund, A., S. Axelsson and B. Falck. Intraneuronal indolamines in the central nervous system. *Advanc. Biochem. Psychopharmacol.* 1976, 15: 87-94.
176. Agrup, G., B. Falck, C. Hansson, H. Rorsman, A.-M. Rosengren and E. Rosengren. Metabolism of 5-S-cysteinyl-dopa by o-methylation. *Acta Dermatovener (Stockholm)* 1977, 57: 309-312.
177. Agrup, G., P. Agrup, T. Andersson, B. Falck, J.-A. Hansson, S. Jacobsson, H. Rorsman, E. Rosengren and A.-M. Rosengren. 5-S-cysteinyl-dopa in the urine of melanoma patients. *Acta Dermatovener Stockholm* 1977, 57: 113-116.
178. Edvinsson, L., B. Falck and Ch. Owman. Possibilities for a cholinergic action on smooth musculature and on sympathetic axons in brain vessels mediated by muscarinic and nicotinic receptors. *J. Pharmacol. Exp. Ther.* 1977, 200: 117-126.
179. Falck, B., C. Hansson, B.-M. Kennedy and E. Rosengren. Conjugated catechol derivatives in a transplantable islet cell tumour of the golden hamster. *Acta physiol. scand.* 1977, 99: 217-224.
180. Agrup, G., B. Falck, H. Rorsman, A.-M. Rosengren and E. Rosengren. Glutathionedopa in malignant melanoma. *Acta Dermatovener (Stockholm)* 1977, 57: 221-222.
181. Rorsman, H., G. Agrup, B. Falck, A.-M. Rosengren and E. Rosengren. Exposure to sunlight and urinary excretion of 5-S-cysteinyl-dopa. *Pigment Cell* 1976, 2: 284-289.

182. Agrup, G., A. Björklund, B. Falck, S. Jacobsson, O. Lindvall, H. Rorsman and E. Rosengren. Fluorescence histochemical demonstration of dopa thioethers by condensation with gaseous formaldehyde. *Histochemistry* 1977, 52: 179-186.
183. Sporrang, B., B. Ehinger, B. Falck, and H. Persson. Distribution and interrelations of adrenergic and cholinesterase-containing nerve terminals within the different parts of the heart. 10th Int.Cong.Anat., Tokyo, 1975, p. 41.
184. Agrup, G., Falck, B., Rorsman, H., Rosengren, A.-M. and Rosengren, E. Intracellular distribution of dopa and 5-S-cysteinyl-dopa in Harding-Passey melanoma. *Acta Dermatovener (Stockholm)* 1977, 57: 313-315.
185. Elofsson, R., Falck, B., Lindvall, O and Myhrberg, H. Evidence for new catecholamines or related amino acids in some invertebrate sensory neurons. *Cell Tiss. Res.* 1977, 182: 525-536.
186. Falck, B., Jacobsson, S., Lindvall, O and Nietsche, U-B. On the occurrence of cysteinyl-dopa and dopa in melanocytes and benign nevi cells. *Scand J Plast Reconstr Surg.* 1976, 10: 185-188.
187. Lorén, I., Björklund, A., Falck, B., and Lindvall, O. The use of magnesium ions for sensitive visualization of catecholamines and serotonin in the CNS. *Acta Physiol Scand Suppl.* 452, p. 15-18, 1977.
188. Nobin, A., Falck, B., Ingemansson, S., Järhult, J., and Rosengren, E. Organization and function of the sympathetic innervation of human liver. *Acta Physiol Scand Suppl.* 452, p. 103-106, 1977.
189. Nobin, A., Falck, B., Ingemansson, S., and Rosengren, E. Det sympatiska nervsystemets morfologi och funktion i lever hos människa. *Svensk Kirurgi.* 33: 179-180, 1976.
190. Nobin, A., Falck, B., Ingemansson, S., Järhult, J., and Rosengren, E. The sympathetic innervation of the liver in man; Possible role in blood glucose regulation. *EUSRBM.* 9: Suppl. 1, 172: 1977.
191. Sjöborg, S., Axelsson, S., Falck, B., and Thorgeirsson, A. Studier av Langerhanska celler vid kontaktallergiskt ekzem och occlusionsbehandling. *Hygiea.* 86: 1977.
192. Walles, B., Falck, B., Owman, Ch., and Sjöberg, N-O. Characterization of autonomic receptors in the smooth musculature of human Graafian follicle. *Biology of reproduction.* 1977, 17: 423-431.
193. Klemm, N., and Falck, B. Monoamines in the pars intercerebralis-corpora cardiaca complex of locusts. *Gen. Comp. Endocrinol.* 1978, 34: 180-192.
194. Sjöborg, S., Axelsson, S., Falck, B., Jacobsson, S., and Ringberg, A. A new method for the visualization of the epidermal Langerhans cell and its application on normal and allergic skin. *Acta Dermatovener (Stockholm)* 1978, 79: 23-30.
195. Axelsson, S., Elofsson, R., Falck, B., and Sjöborg, S. In vitro uptake of L-DOPA and catecholamines into the epidermal Langerhans cell. *Acta Dermatovener (Stockholm)* 1978, 79: 31-35.
196. Nobin, A., Baumgarten, H.G., Falck, B., Ingemansson, S., Moghimzadeh, E., and

Rosengren, E. Organization of the Sympathetic Innervation in Liver Tissue from Monkey and Man. *Cell Tiss. Res.* 1978, 195: 371-380.

197. Järhult, J., Falck, B., Ingemansson, S. and Nobin, A. The Functional Importance of Sympathetic Nerves to the Liver and Endocrine Pancreas. *Annals of Surgery*, 1979, 189: 96-100.

198. Hardebo, J.E., Falck, B., Owman, Ch., and Rosengren E. Studies on the enzymatic blood-brain barrier: Quantitative measurements of DOPA decarboxylase in the wall of microvessels as related to the parenchyma in various CNS regions. *Acta physiol.scand.* 1979, 105: 453-460.

199. Owman, Ch., Edvinsson, L., Emson, P., Falck, B., Hardebo, J.E., and Rosengren E. Decarboxylation in the microvessel wall: An enzymatic blood-brain barrier to monoamine precursors. *Acta Neurol.scand.* 1979, suppl. 72, 60: 166-167.

200. Ajelis, V., Björklund, A., Falck, B., Lindvall, O., Lorén, O., and Walles, B. Application of the aluminum-formaldehyde (ALFA) histofluorescence method for demonstration of peripheral stores of catecholamines and indolamines in freeze-dried paraffin-embedded tissue, cryostat sections and whole-mounts. *Histochemistry*, 1979, 65: 1-15.

201. Hardebo, J.E., Falck, B., and Owman Ch. A comparative study on the uptake and subsequent decarboxylation of monoamine precursors in cerebral microvessels. *Acta physiol.scand.* 1979, 107: 161-167.

202. Lorén, I., Björklund, A., Falck, B., and Lindvall, O. The aluminum-formaldehyde (ALFA) histofluorescence method for improved visualization of catecholamines and indolamines. 1. A detailed account of the methodology for central nervous tissue using paraffin, cryostat or vibratome sections. *J. Neuroscience Methods*, 1980, 2: 277-300.

203. Björklund, A., Falck, B., Lindvall, O., and Lorén, I. The aluminum-formaldehyde (ALFA) histofluorescence method for improved visualization of catecholamines and indolamines. 2. Model experiments. *J. Neuroscience Methods*, 1980 2: 301-318.

204. Lindvall, O., Björklund, A., Falck, B., and Lorén, I. New aspects on factors determining the sensitivity of the formaldehyde and glyoxylic acid fluorescence histochemical methods for monoamines. *Histochemistry*, 1980, 68: 169-181.

205. Hardebo, J.E., Emson, P.C., Falck, B., Owman, Ch., and Rosengren, E. Enzymes related to monoamine transmitter metabolism in brain microvessels. *J. Neurochemistry*, 1980, 35: 1388-1393.

206. Elofsson, R., Falck, B., and Sjöborg, S. The ultrastructure of normal epidermis with special reference to the Langerhans cells. *J. Cutan Pathol.* 1981, 8: 154-155.

207. Falck, B., Elofsson, R., and Sjöborg, S. The epidermal Langerhans cell in contact allergic dermatitis - An activated cell. A combined fluorescence and electron microscopic study. *J. Cutan Pathol.* 1981, 8: 155.

208. Lindvall, O., Björklund, A., Falck, B., and Loren, I. Recent developments in aldehyde-induced monoamine fluorescence: the aluminum-formaldehyde (ALFA) method applied to immature and adult central nervous tissue. *Histochem J.* 1981 13: 583-598.

209. Falck, B., Andersson, A., Elofson, R., and Sjöborg, S. New views on epidermis and its Langerhans cells in the normal state and in contact dermatitis. *Acta Dermatovener.* 1981 suppl. 99. 61: 3-27.

210. Elofsson, R., Andersson, A., Falck, B., and Sjöborg, S. Evidence for endocytotic mechanisms in the epidermal Langerhans cells. *Acta Dermatovener.* 1981 suppl. 99, 61: 29-39.
211. Andersson, A., Sjöborg, S., Elofsson, R., and Falck, B. The epidermal indeterminate cell - a special celltype? *Acta Dermatovener.* 1981 suppl. 99, 61: 41-48.
212. Elofsson, R., Andersson, A., Falck, B., and Sjöborg, S. The human epidermal melanocyte - a ciliated cell. *Acta dermatovener.* 1981 suppl. 99, 61: 49-52.
213. Lindvall, O., Björklund, A., Falck, B., Lorén, I., and Svensson, L.-Å. New fluorophore-forming reactions for histochemical visualization of N-acetylated and tertiary indolamines using glyoxylic acid, aluminum-formaldehyde and trifluoroacetic acid anhydride as reagents. *Histochemistry*, 1981, 72: 523-543.
214. Lindvall, O., Björklund, A. and Falck, B. Fluorescence microscopy of biogenic monoamines. In: *Methods in Neurobiology*, Vol. 2. Ed.: Robert Lahue. Plenum Press 1981, p. 365-451.
215. Falck, B., A. Björklund and O. Lindvall. Recent progress in aldehyde fluorescence histochemistry. *Brain Research Bulletin* 1982, 9: 3-10.
216. Nobin, A., S. Axelsson, B. Falck, S. Ingemansson, A. Lunderquist, H. Mårtensson, and W. Reichardt. Selective mesenteric vein catheterization and plasma serotonin determination in patients with carcinoid tumors. *World J. Surg.* 1983, 2: 223-229.
217. Falck, B., S. Axelsson and J. Bartosik. Langerhans granula - bildning och konstruktion. Abstract Nordisk Dermatologkongress, Oslo, 1983 p. 87.
218. Elofsson, R., A. Andersson, B. Falck and S. Sjöborg. The ciliated human keratinocyte. *J. of Ultrastructure Research* 1984, 87: 212-220.
219. Falck, B., A. Andersson and J. Bartosik. New ultrastructural aspects on epidermis and its Langerhans cells. *Int. Workshop on Dendritic and Langerhans cells in immunoregulation*, Oslo 1984.
220. Falck, B., A. Andersson and J. Bartosik. Some new ultrastructural aspects on human epidermis and its Langerhans cells. *Scand. J. Immunol.* 1985, 21: 409-416.
221. Bengtsson, F., A. Nobin, B. Falck, F.H. Gage and B. Jeppsson. Portacaval shunt in the rat: selective alterations in behavior and brain serotonin. *Pharmacology Biochemistry & Behavior*, 1986, 24: 1611-1616.
222. Bugge, M., F. Bengtsson, A. Nobin, T. Holmin, B. Jeppsson, B. Hultberg, B. Falck and P. Herlin. Amino acid and indolamines in the brain after infusion of branched-chain amino acids to rats with liver ischemia. *J. of Parenteral and Enteral Nutrition*, 1986, 10: 474-478.
223. Falck, B. Cellulära och subcellulära reaktioner i epidermis vid arbetsmiljöbetingade eksem. Diagnostik och patofysiologisk betydelse. Arbetsmiljöfondens sammanfattningar nr 1043, 1987
224. Bengtsson, F., A. Nobin, B. Falck, F. H. Gage and B. Jeppsson. Effect of oral branched chain amino acids on behavior and brain serotonin metabolism in portacaval shunted rats. *World J. Surg.*, 1988, 12: 246-254

225. Bengtsson, F., M. Bugge, A. Brun, B. Falck, K.G. Henriksson and A. Nobin. The impact of time after portacaval shunt in the rat on behavior, brain serotonin, and brain and muscle histology. *J. Neurological Sciences*, 1988, 83: 109-122.
226. Bartosik, J., A. Andersson, S. Axelsson, B. Falck and A. Ringberg. Direct evidence for the cytomembrane derivation of Birbeck granules: the membrane-sandwich effect. *Acta Derm Venereol* 1985, 65: 157-160.
227. Bartosik J., Lamm C.J. and Falck B. Quantification of Birbeck granules in human epidermal Langerhans cells and the indeterminate cell revisited. XIth International. Congress of Electron Microscopy, Kyoto, Japan, Aug. 31-Sep. 7, 1986.
228. Andersson A., Bartosik J., Falck B., Mikulowska A. Cytomembrane-sandwiching in human epidermal Langerhans' cells: a novel reaction to an irritant. 2nd Workshop on Langerhans Cells. Lyon, France, 1988.
229. Mikulowska, A., A. Andersson, J. Bartosik, and B Falck. Cytomembrane-sandwiching in human epidermal Langerhans cells: a novel reaction to an irritant. *Acta Derm Venereol* 1988, 68: 254-256.
230. Mikulowska, A., J. Bartosik, A. Andersson, A. Björnberg and B. Falck. Microfocussed distribution of reactive events in the epidermal Langerhans cell system. In: *The Langerhans Cell*. Ed. J. Thivolet., D. Schmitt. Colloque INSERM/John Libbey Eurotext Ltd. 1988, 172: 285-292.
231. Andersson. A., J. Bartosik, N. Bendsoe., A. Malmström, A. Mikulowska, K. Warfvinge and B. Falck. Formation and unzipping of Birbeck granules in vitro. In: *The Langerhans Cell*. Ed. J. Thivolet, D. Schmitt. Colloque INSERM/John Libbey Eurotext Ltd. 1988, 172: 185-191.
232. Warfvinge, K., A. Mikulowska., Bekassy, A. Andersson, and B., Falck. The intercellular space in human stratified epithelia. In: K. Warfvinge, Thesis, Lund 1989 45-50.
233. Warfvinge, K., A. Mikulowska, and B. Falck. Modification of an L-dopa histofluorescence method reveals the existence of functionally different Langerhans cells in human epidermis. In: K. Warfvinge, Thesis, Lund 1989. 77-81 and *Acta Derm Venereol* (Stockh) 1991, 71: 429-430.
234. Falck B., Andersson L., Andersson A., Bartosik J., Bendsoe N., Björnberg A., Mikulowska A. and Warfvinge K. Experimentally induced formation and vesiculation of Birbeck granules in human epidermal Langerhans cells. "ESDR-JSID-SID TRICONTINENTAL MEETING" Washington D.C 1989.
235. Warfvinge K, Mikulowska A, Falck B. Functionally Different Langerhans' Cells in Human Epidermis. *Acta Derm Venereol* (Stockh) 1991, 71: 429-430.
236. Bartosik J, Lamm C J, Falck B. Quantification of Birbeck's Granules in Human Langerhans' Cells. *Acta Derm Venereol* (Stockh) 1991, 71: 209-213.
237. Falck B, Andersson A, Mikulowska A, Ronquist. G. α -amino-n-butyric Acid Methyl Ester Induces Concentrative Uptake of L-dopa in Human Langerhans' Cells Normally not Operative for L-dopa Transport. *Acta Derm Venereol* (Stockh) 1993, 73: 197-199.
238. Mikulowska A and Falck B. Distributional changes of Langerhans cells in human skin during irritant contact dermatitis. *Arch Dermatol Res*. 1994, 286: 429-433.

239. Mikulowska A, Ohlsson L, Boketoft Å, Andersson A, Falck B. Immunocytochemical detection of the carbohydrate antigen, Sialyl Lewis^x, in normal human skin and during irritant contact dermatitis. *Exp Dermatol* 1994, 3: 199-203.
240. Falck B, Bendsoe N, Ronquist G. Human epidermal Langerhans cells (LC) operate under anaerobic conditions and possess a unique proton/amino acid counter transport system. *J Invest Dermatol.* 1997, 109: 256.
241. Falck B, Bendsoe N, Ronquist G. New mechanisms for amino acid influx into human epidermal Langerhans cells: L-dopa/proton counter transport system. *Experimental Dermatology* 2003, 12: 602-609.
242. Ronquist G, Andersson A, Bendsoe N, Falck B. Human epidermal energy metabolism is functionally anaerobic. *Experimental Dermatology* 2003, 12: 572-579.
243. Falck B, Bendsoe N, Ronquist G. Mediated exodus of L-dopa from human epidermal Langerhans cells. *Amino Acids* 2004, 26: 133-138.