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Peer-reviewed research papers

1965

1. Dimroth, K., Heinrich, P.C., Schromm, K. (1965)
Benzo-1,3-dioxolumsalze
Angew. Chem. 77, 863-864 IPF 7.0

1966

2. Teuber, H.J., Heinrich, P.C., Dietrich, M. (1966)
Zur Konstitution der farblosen, dimeren 3-Hydroxybenzochinone-(1,2)
Ann. Chem. 696, 64-71
3. Dimroth, K., Heinrich, P.C. (1966)
Dialkoxy-arylcarbonium-Ionen als Alkylierungsmittel
Angew. Chem. 78, 714-715 IPF 7.0

1968

4. Heinrich, P.C., Fruton, J.S. (1968)
The action of dipeptidyl transferase as polymerase
Biochemistry 7, 3556-3565
PMID:5681465 IPF 5.1

1970

5. Heinrich., P.C., Holzer, H. (1970)
Inactivation of glutamine synthetase by adenylylation in intact cells of E.coli
Arch. Mikrobiol. 73, 97-103
PMID:4321115 IPF 1.8
6. Heinrich, P.C., Battig, F.A., Mantel, M., Holzer, H. (1970)
Formation of pyrophosphate during ATP: Glutamine synthetase adenylyl-transferase reaction in E.coli
Arch. Mikrobiol. 73, 104-110
PMID:4321114 IPF 1.8

1971

7. Heinrich, P.C., Wiss, O. (1971)
Transketolase from human erythrocytes. Purification and properties
Helv. Chim. Acta 54, 2658-2668
PMID:5141430 IPF 2.0
8. Heinrich, P.C., Wiss, O. (1971)
Subunit size of transketolase from baker's yeast
FEBS Lett. 14, 251-253
PMID:11945770 IPF 3.8
9. Heinrich, P.C., Noack, K., Wiss, O. (1971)
A circular dichroism study of transketolase from baker's yeast
Biochem. Biophys. Res. Commun. 44, 275-279
PMID:5159774 IPF 3.2

1972

10. Heinrich, P.C., Da Prada, M., Pletscher, A. (1972)
Magnesium-dependent ATP-ase in membranes of 5-hydroxy-tryptamine storage organelles
Biochem. Biophys. Res. Commun. 46, 1769-1775
PMID:4259357 IPF 3.2
11. Heinrich, P.C., Steffen, H., Janser, P., Wiss, O. (1972)
Studies on the reconstitution of apotransketolase with thiamine pyrophosphate and analogs of the coenzyme
Eur. J. Biochem. 30, 533-541
PMID:4344830 IPF 3.5
12. Heinrich, P.C., Noack, K., Wiss, O. (1972)
Chemical modification of tryptophan at the binding site of thiamine pyrophosphate in transketolase from baker's yeast
Biochem. Biophys. Res. Commun. 49, 1427-1432
PMID:4565375 IPF 3.2

1973

13. Heinrich, P.C., Adam, S., Arnold, W. (1973)
The reaction of dimethyl (2-hydroxy-5-nitrobenzyl) sulfonium bromide with N-acetyl-L-tryptophan amide
FEBS Lett. 33, 181-183
PMID:4729480 IPF 3.8
14. Heinrich, P.C., Schmidt, D. (1973)
Determination of the binding constant of thiamine disphosphate in transketolase from baker's yeast by circular dichroism titration
Experientia 29, 1226
PMID:4586175 IPF 1.6
15. Heinrich, P.C. (1973)
The number of coenzyme binding sites in transketolase from bakers's yeast
Experientia 29, 1227
PMID:4586176 IPF 1.6
16. Heinrich, P.C., Hornig, D., Wiss, O. (1973)
Autoradiographic studies on thiamine distribution in normal and thiamine-deficient rats
Int. J. Vit. Nutr. Res. 43, 174-186
PMID:4716567 IPF 0.7
17. Heinrich, P.C., Stadler, H., Weiser, H. (1973)
The effect of thiamine deficiency on the acetylcoenzyme A and acetylcholine levels in the rat brain
J. Neurochem. 21, 1273-1281
PMID:4761708 IPF 4.8

1974

18. Heinrich, P.C., Schmidt, D., Noack, K. (1974)
Energetic and spectroscopic studies on the thiamine pyrophosphate apotransketolase interaction
Eur. J. Biochem. 41, 555-561
PMID:4593967 IPF 3.5

19. Heinrich, P.C., Liske, R., Reber, K. (1974)
The interaction of native and chemically modified yeast transketolase with a specific antibody
Hoppe-Seyler's Z. Physiol. Chem. 355, 217-221
PMID:4215727 IPF 2.5
20. Oplieger, C.E., Heinrich, P.C., Olson, R.E. (1974)
A lipid-soluble antioxidant from polyallomer centrifuge tubes
J. Lipid Res. 15, 281-283
PMID:4827917 IPF 4.3
21. Heinrich, P.C., Morris, H.P., Weber, G. (1974)
Increased PRPP synthetase activity in rapidly growing hepatomas
FEBS Lett. 42, 145-148
PMID:4368812 IPF 3.8
- 1976**
22. Heinrich, P.C., Morris, H.P., Weber, G. (1976)
Behavior of transaldolase and transketolase activities in normal, neoplastic, differentiating, and regenerating liver
Cancer Res. 36, 3189-3197
PMID:10080 IPF 8.2
23. Heinrich, P.C., Raydt, G., Puschendorf, B., Jusic, M., (1976)
Subcellular distribution of histone degrading acitivities from rat liver
Eur. J. Biochem. 62, 37-43
PMID:2476 IPF 3.5
24. Weiss, E., Gross, V., Heinrich, P.C. (1976)
Changes in chromatin during the development of liver cell injury induced by galactosamine
FEBS Lett. 64, 193-196
PMID:1269752 IPF 3.8
25. Haas, R., Weiss, E., Jusic, M., Heinrich, P.C. (1976)
Limited proteolysis of the very-lysine rich histone H1 by a membrane bound proteinase from rat liver
FEBS Lett. 63, 117-119
PMID:1261673 IPF 3.8
26. Jusic, M., Seifert, S., Weiss, E., Haas, R., Heinrich, P.C. (1976)
Isolation and characterization of a membrane-bound proteinase from rat liver
Arch. Biochem. Biophys. 177, 355-363
PMID:13715 IPF 2.8
- 1977**
27. Haas, R., Nagasawa, T., Heinrich, P.C. (1977)
The localization of a proteinase within rat liver mitochondria
Biochem. Biophys. Res. Commun. 74, 1060-1065
PMID:843345 IPF 3.2
28. Gross, V., Weiss, E., Heinrich, P.C. (1977)
Comparative studies of the effects of galactosamine and actinomycin D on nuclear ribonucleoprotein particles from rat liver
Exp. Cell Res. 109, 331-339
PMID:913496 IPF 3.5

29. Northemann, W., Scheurlen, M., Gross, V., Heinrich, P.C. (1977)
Circular dichroism of ribonucleoprotein complexes from rat liver nuclei
Biochem. Biophys. Res. Commun. 76, 1130-1137
 PMID:901464 IPF 3.2
- 1978**
30. Northemann, W., Gross, V., Scheurlen, M., Heinrich, P.C. (1978)
Studies on the preparation and properties of ribonucleoprotein particles from rat liver nuclei
Biochim. Biophys. Acta 519, 406-417
 PMID:667073 IPF 2.5
31. Weiss, E., Heinrich, P.C. (1978)
The effect of inhibitors of transcription and translation on chromosomal proteins
Mol. Pharmacol. 14, 1148-1155
 PMID:732813 IPF 6.6
32. Haas, R., Heinrich, P.C. (1978)
The localization of an intracellular membrane-bound proteinase from rat liver
Eur. J. Biochem. 91, 171-178
 PMID:720335 IPF 3.5
33. Haas, R., Tesch, R., Witt, I., Heinrich, P.C. (1978)
Cleavage specificity of the serine proteinase from rat liver mitochondria
Biochem. Biophys. Res. Commun. 85, 1039-1046
 PMID:736947 IPF 3.2
- 1979**
34. Nagasawa, T., Nagasawa-Fujimori, H., Heinrich, P.C. (1979)
Hydrophobic interactions of cytochrome c oxidase. Application to the purification of the enzyme from rat liver mitochondria
Eur. J. Biochem. 94, 31-39
 PMID:220047 IPF 3.5
35. Haas, R., Heinrich, P.C. (1979)
A novel SH-type carboxypeptidase in the inner membrane of rat liver mitochondria
Eur. J. Biochem. 96, 9-15
 PMID:110590 IPF 3.5
36. Haas, R., Heinrich, P.C., Sasse, D. (1979)
Proteolytic enzymes of rat liver mitochondria. Evidence for a mast cell origin
FEBS Lett. 103, 168-171
 PMID:467646 IPF 3.8
37. Northemann, W., Seifert, H., Heinrich, P.C. (1979)
The effect of NaCl on the structure of ribonucleoprotein particles from rat liver nuclei
Hoppe-Seyler's Z. Physiol. Chem. 360, 877-888
 PMID:488913 IPF 2.5
38. Seifert, H., Scheurlen, M., Northemann W., Heinrich, P.C. (1979)
Low molecular weight RNAs as components of nuclear ribonucleoprotein particles containing heterogeneous nuclear RNA
Biochim. Biophys. Acta 564, 55-66
 PMID:534641 IPF 2.5

39. Northemann, W., Heinrich, P.C. (1979)
Proteinases as probes of the structure of rat liver ribonucleoprotein particles carrying heterogeneous nuclear RNA
Biochim. Biophys. Acta 564, 67-78
PMID:394760 IPF 2.5

40. Northemann, W., Klump, H., Heinrich, P.C. (1979)
The effect of urea on the structure of nuclear ribonucleoprotein particles from rat liver
Eur. J. Biochem. 99, 447-456
PMID:499209 IPF 3.5

1980

41. Fujimori, H., Nagasawa, T., Heinrich, P.C. (1980)
Catalytic activity and arrangement of subunit poly-peptides in rat liver cytochrome c oxidase as studied by proteolysis
Biochim. Biophys. Acta 589, 336-345
PMID:6243969 IPF 2.5
42. Schmelzer, E., Heinrich, P.C. (1980)
Synthesis of a larger precursor for the subunit IV of rat liver cytochrome c oxidase in a cell-free wheat germ System
J. Biol. Chem. 255, 7503-7506
PMID:6156937 IPF 7.4
43. Heinrich, P.C. (1980)
Synthese und Import von Polypeptiden in Mitochondrien und Chloroplasten
Biologie in unserer Zeit 10, 129-135
44. Northemann, W., Schmelzer E., Heinrich, P.C. (1980)
Characterization of 20S and 40S nonpolysomal cytoplasmic messenger ribonucleoprotein particles from rat liver
Eur. J. Biochem. 112, 451-459
PMID:6161813 IPF 3.5

1981

45. Kühn, B., Alonso, A., Heinrich, P.C. (1981)
The effect of D-galactosamine and actinomycin D on polysomes and mRNA levels in rat liver
Mol. Pharmacol. 19, 103-108
PMID:7207455 IPF 6.6
46. Heinrich, P.C., Northemann, W. (1981)
The structure of ribonucleoprotein particles from rat liver nuclei
Mol. Biol. Rep. 7, 15-24
PMID:7019668 IPF 2.9
47. Northemann, W., Schmelzer, E., Heinrich, P.C. (1981)
The size and distribution of cytochrome c oxidase subunit IV mRNA between free and membrane-bound polysomes
Eur. J. Biochem. 119, 203-208
PMID:6122570 IPF 3.5

1982

48. Kühn, B., Villringer, A., Falk, H., Heinrich, P.C. (1982)
Inhibition of cell-free protein synthesis by low molecular weight RNAs from free cytoplasmic ribonucleoprotein particles
Eur. J. Biochem. 126, 181-188
PMID:6181991 IPF 3.5
49. Geiger, T., Northemann, W., Schmelzer, E., Gross, V., Gauthier, F., Heinrich, P.C. (1982)
Synthesis of α_1 -antitrypsin in rat liver hepatocytes and in a cell-free system
Eur. J. Biochem. 126, 189-195
PMID:6982162 IPF 3.5
50. Schmelzer, E., Northemann, W., Kadenbach, B., Heinrich, P.C. (1982)
Cell-free synthesis of a larger molecular weight precursor of cytochrome c oxidase subunit V from rat liver and the distribution of its mRNA between free and membrane-bound polysomes
Eur. J. Biochem. 127, 177-183
PMID:6291938 IPF 3.5
51. Weigand, K., Schmid, M., Villringer A., Birr, C., Heinrich, P.C. (1982)
Hexa- and pentapeptide extension of proalbumin: Feedback inhibition of albumin synthesis by its propeptide in isolated hepatocytes and the cell-free system
Biochemistry 21, 6053-6059
PMID:7150542 IPF 5.1
52. Gross, V., Geiger, T., Tran-Thi, T.-A., Gauthier, F., Heinrich, P.C. (1982)
Biosynthesis and secretion of α_1 -antitrypsin in primary cultures of rat hepatocytes. Characterization of differently glycosylated intracellular and extracellular forms
Eur. J. Biochem. 129, 317-323
PMID:6983958 IPF 3.5

1983

53. Gross, V., Kaiser, C., Tran-Thi, T.-A., Schmelzer, E., Witt, I., Plummer, T.H. Jr., Heinrich, P.C. (1983)
N-Terminal amino acid sequences of precursor and mature forms of α_1 -antitrypsin
FEBS Lett. 151, 201-205
PMID:6187600 IPF 3.8
54. Andus, T., Gross, V., Tran-Thi, T.-A., Heinrich, P.C. (1983)
Synthesis of α_2 -macroglobulin in rat hepatocytes and in a cell-free system
FEBS Lett. 151, 10-14
PMID:6186524 IPF 3.8
55. Villringer, A., Kühn, B., Schneider, K., Andus, T., Michels, K., Northemann, W., Krupp, G., Walckhoff, B., Gross, H.-J., Klump, H., Krol, A., Branlant, C., Heinrich, P.C. (1983)
Small cytoplasmic RNAs from rat liver mRNP particles
Mol. Biol. Rep. 9, 65-74
PMID:6193410 IPF 2.9
56. Eisenmann, A., Schmelzer, E., Northemann, W., Phillips, J., Kaiser, C., Witt, I., Decker, K., Heinrich, P.C. (1983)
Synthesis of rat liver lactate dehydrogenase and characterization of its mRNA
Eur. J. Biochem. 134, 39-45
PMID:6861761 IPF 3.5

57. Gross, V., Tran-Thi, T.-A., Vosbeck, K., Heinrich, P.C. (1983)
Effect of swainsonine on the processing of the asparagine-linked carbohydrate chains of α_1 -antitrypsin in rat hepatocytes
J. Biol. Chem. 258, 4032-4036
PMID:6403522 IPF 7.4
58. Andus, T., Gross, V., Tran-Thi, T.-A., Schreiber, G., Nagashima, M., Heinrich, P.C. (1983)
The biosynthesis of acute phase proteins in primary cultures of rat hepatocytes
Eur. J. Biochem. 133, 561-571
PMID:6602705 IPF 3.5
59. Gross, V., Andus, T., Tran-Thi, T.-A., Schwarz, R.T., Heinrich, P.C. (1983)
1-Deoxynojirimycin impairs oligosaccharide processing of α_1 -proteinase inhibitor and inhibits its secretion in primary cultures of rat hepatocytes
J. Biol. Chem. 258, 12203-12209
PMID:6226656 IPF 7.4
60. Andus, T., Gross, V., Tran-Thi, T.-A., Heinrich, P.C. (1983)
Interaction of mature, unglycosylated and cell-free synthesized rat α_1 -proteinase inhibitor with elastase
Eur. J. Biochem. 136, 253-257
PMID:6605248 IPF 3.5
61. Northemann, W., Andus, T., Gross, V., Nagashima, M., Schreiber, G., Heinrich, P.C. (1983)
Messenger RNA activities of four acute-phase proteins during inflammation
FEBS Lett. 161, 319-322
PMID:6194014 IPF 3.8
62. Northemann, W., Andus, T., Gross, V., Heinrich, P.C. (1983)
Cell-free synthesis of rat α_2 -macroglobulin and induction of its mRNA during experimental inflammation
Eur. J. Biochem. 137, 257-262
PMID:6197304 IPF 3.5
- ## 1984
63. Gross, V., Andus, T., Tran-Thi, T.-A., Bauer, J., Decker, K., Heinrich, P.C. (1984)
Induction of acute phase proteins by dexamethasone in rat hepatocyte primary cultures
Exp. Cell. Res. 151, 46-54
PMID:6199220 IPF 3.5
64. Lieser, M., Heinrich, P.C. (1984)
Polysomal and cytoplasmic mRNP particles containing 7S(L)RNA
Eur. J. Biochem. 141, 461-464
PMID:6204868 IPF 3.5
65. Budek, W., Büning, P., Heinrich, P.C. (1984)
Rat lung tissue is a site of synthesis of α_1 -proteinase inhibitor synthesis: Evidence by cell-free translation
Biochem. Biophys. Res. Commun. 122, 394-400
PMID:6146318 IPF 3.2

66. Bauer, J., Birmelin, M., Northoff, G.-H., Northemann, W., Tran-Thi, T.-A., Ueberberg, H., Decker, K., Heinrich, P.C. (1984)
Induction of rat α_2 -macroglobulin in vivo and in hepatocyte primary cultures: Synergistic action of glucocorticoids and a Kupffer cell derived factor
FEBS Lett. 177, 89-94
PMID:6209166 IPF 3.8
- 1985**
67. Weber, W., Steube, K., Gross, V., Tran-Thi, T.-A., Decker, K., Gerok, W., Heinrich, P.C. (1985)
Unglycosylated rat α_1 -proteinase inhibitor has a six-fold shorter plasma half-life than the mature glycoprotein
Biochem. Biophys. Res. Commun. 126, 630-635
PMID:3871610 IPF 3.2
68. Bauer, J., Kurdowska, A., Tran-Thi, T.-A., Budek, W., Koj, A., Decker, K., Heinrich, P.C. (1985)
Biosynthesis and secretion of α_1 -acute-phase globulin in primary cultures of rat hepatocytes
Eur. J. Biochem. 146, 347-352
PMID:2578391 IPF 3.5
69. Northemann, W., Heisig, M., Kunz, D., Heinrich, P.C. (1985)
Molecular cloning of cDNA sequences for rat α_2 -macroglobulin and measurements of its transcription during experimental inflammation
J. Biol. Chem. 260, 6200-6205
PMID:2581948 IPF 7.4
70. Gross, V., Tran-Thi, T.-A., Steube, K., McDowell, W.M., Schwarz, R.T., Decker, K., Gerok, W., Heinrich, P.C. (1985)
Secretion of high-mannose type α_2 -proteinase inhibitor and α_1 -acid glycoprotein by primary cultures of rat hepatocytes in the presence of the mannosidase I inhibitor 1-deoxymannojirimycin
Eur. J. Biochem. 150, 41-46
PMID:3160588 IPF 3.5
71. Steube, K., Gross, V., Heinrich, P.C. (1985)
Deglycosylation of α_2 -proteinase inhibitor by endo- β -N-acetylglucosaminidase F
Biochemistry 24, 5587-5592
PMID:3935164 IPF 5.1
72. Bauer, J., Weber, W., Tran-Thi, T.-A., Northoff, G.-H., Decker, K., Gerok, W., Heinrich, P.C. (1985)
Murine interleukin-1 stimulates α_2 -macroglobulin synthesis in rat hepatocyte primary cultures
FEBS Lett. 190, 271-274
PMID:2412895 IPF 3.8
- 1986**
73. Schreiber, G., Aldred, A.R., Thomas, T., Birch, H.E., Dickson, P.W., Guo-Fen, T., Heinrich, P.C., Northemann, W., Howlett, G.J., De Jong, F.A., Mitchell, A. (1986)
Levels of messenger ribonucleic acids for plasma proteins in rat liver during acute experimental inflammation
Inflammation 10, 59-66
PMID:2420720 IPF 1.6

74. Bauer, J., Tran-Thi, T.-A., Northoff, H., Hirsch, F., Schlayer, H.-J., Gerok, W., Heinrich, P.C. (1986)
The acute phase induction of α_2 -macroglobulin in rat hepatocyte primary cultures: Action of a hepatocyte-stimulating factor, triiodothyronine and dexamethasone
Eur. J. Cell Biol. 40, 86-93
PMID:2422035 IPF 2.8
75. Gross, V., Tran-Thi, T.-A., Schwarz, R.T., Elbein, A.D., Decker, K., Heinrich, P.C. (1986)
Different effects of the glucosidase inhibitors 1-deoxynojirimycin, N-methyl-1-deoxynojirimycin and castanospermine on the glycosylation of rat α_1 -proteinase inhibitor and α_1 -acid glycoprotein
Biochem. J. 236, 853-860
PMID:2947571 IPF 4.2
76. Köster, A., Heisig, M., Heinrich, P.C., Just, W. (1986)
In vitro synthesis of peroxisomal membrane polypeptides
Biochem. Biophys. Res. Commun. 137, 626-632
PMID:2425798 IPF 3.2
77. Tauber, R., Schenk, I., Josic, D., Gross, V., Heinrich, P.C., Gerok, W., Reutter, W. (1986)
Different oligosaccharide processing of the membrane-integrated and the secreted form of gp 80 in rat liver
EMBO J. 5, 2109-2114
PMID:3536485 IPF 13.5
78. Steube, K., Gross, V., Hösel, W., Tran-Thi, T.-A., Decker, K., Heinrich, P.C. (1986)
Different susceptibilities of complex-, hybrid-, and high-mannose type α_1 -proteinase inhibitor and α_1 -acid glycoprotein to endo- β N-acetylglucosaminidase F and peptide: N-glycosidase F
Glycoconjugate J. 3, 247-254 IPF 2.1
79. Kodelja, V., Heisig, M., Northemann, W., Heinrich, P.C., Zimmermann, W. (1986)
 α_2 -macroglobulin gene expression during development studied by in situ hybridization
EMBO J. 5, 3151-3156
PMID:2434324 IPF 13.5
80. Steube, K., Gross, V., Häussinger, D., Tran-Thi, T.-A., Decker, K., Gerok, W., Heinrich, P.C. (1986)
Clearance of acute-phase plasma proteins with no, high-mannose-, hybrid-, or complex type oligosaccharide side chains by the isolated perfused rat liver
Biochem. Biophys. Res. Commun. 141, 949-955
PMID:2434086 IPF 3.2

1987

81. Gross, V., Steube, K., Tran-Thi, T.-A., Häussinger, D., Decker, K., Heinrich, P.C., Gerok, W. (1987)
The role of N-glycosylation for the plasma clearance of rat liver secretory glycoproteins
Eur. J. Biochem. 162, 83-88
PMID:3816788 IPF 3.5

82. Gaskell, M.J., Heinrich, P.C., Mayer, R.J. (1987)
Mechanism of intracellular protein catabolism: Intracellular fate of microinjected in vitro translated polypeptides
Biochem. J. 241, 817-825
 PMID:3593224 IPF 4.2
83. Schweizer, M., Takabayashi, K., Geiger, T., Laux, T., Biermann, G., Buhler, J.-M., Gauthier, F., Roberts, L.M., Heinrich, P.C. (1987)
Identification and sequencing of cDNA clones for the rodent negative acute-phase protein α_1 -inhibitor 3
Eur. J. Biochem. 164, 375-381
 PMID:2436907 IPF 3.5
84. Geiger, T., Tran-Thi, T.-A., Decker, K., Heinrich, P.C. (1987)
Biosynthesis of rat α_1 -macroglobulin. Identification of an intracellular precursor
J. Biol. Chem. 262, 4973-4977
 PMID:2435722 IPF 7.4
85. Northoff, H., Andus, T., Tran-Thi, T.-A., Bauer, J., Decker, K., Kubanek, B., Heinrich, P.C. (1987)
The inflammation mediators interleukin-1 and hepatocyte-stimulating factor are differently regulated in human monocytes
Eur. J. Immunol. 17, 707-711
 PMID:2438144 IPF 6.0
86. Geiger, T., Lamry, Y., Tran-Thi, T.-A., Gauthier, F., Feldmann, G., Decker, K., Heinrich, P.C. (1987)
Biosynthesis and regulation of rat α_1 -inhibitor 3, a negative acute-phase reactant of the macroglobulin family
Biochem. J. 245, 493-500
 PMID:3499144 IPF 4.2
87. Andus, T., Heinrich, P.C., Bauer, J., Tran-Thi, T.-A., Decker, K., Männel, D., Northoff, H. (1987)
Discrimination of hepatocyte-stimulating activity from human recombinant tumor necrosis factor α
Eur. J. Immunol. 17, 1193-1197
 PMID:2441999 IPF 6.0
88. Andus, T., Ramadori, G., Heinrich, P.C., Knittel, T., Meyer zum Büschenfelde, K.-H. (1987)
Cultured Ito cells of rat liver express the α_2 -macroglobulin gene
Eur. J. Biochem. 168, 641-646
 PMID:2444437 IPF 3.5
89. Andus, T., Geiger, T., Hirano, T., Northoff, H., Ganter, U., Bauer, J., Kishimoto, T., Heinrich, P.C. (1987)
Recombinant human B cell stimulatory factor-2 (BSF2/IFN- β_2) regulates β -fibrinogen and albumin mRNA levels in Fao-9 cells
FEBS Lett. 221, 18-22
 PMID:3305075 IPF 3.8

1988

90. Fletcher, S., Thomas, T., Schreiber, G., Heinrich, P.C., Yeoh, G.C.T. (1988)
The development of rat α_2 -macroglobulin: studies in vivo and in cultured fetal rat hepatocytes
Eur. J. Biochem. 171, 703-709 IPF 3.5
PMID:2450021
91. Gross, V., Heinrich, P.C., Steube, K., Andus, T., Tran-Thi, T.-A., Decker, K., Gerok, W. (1988)
Involvement of various organs in the initial plasma clearance of differently glycosylated rat liver secretory proteins
Eur. J. Biochem. 173, 653-659 IPF 3.5
PMID:2453361
92. Andus, T., Geiger, T., Hirano, T., Kishimoto, T., Tran-Thi, T.-A., Decker, K., Heinrich, P.C. (1988)
Regulation of synthesis and secretion of major rat acute-phase proteins by recombinant human interleukin-6 (BSF-2/IL-6) in hepatocyte primary cultures
Eur. J. Biochem. 173, 287-293 IPF 3.5
PMID:2452086
93. Geiger, T., Andus, T., Klapproth, J., Northoff, H., Heinrich, P.C. (1988)
Induction of α_1 -acid glycoprotein by recombinant human interleukin-1 in rat hepatoma cells
J. Biol. Chem. 263, 7141-7146 IPF 7.4
PMID:3259230
94. Geiger, T., Andus, T., Bauer, J., Northoff, H., Ganter, U., Hirano, T., Kishimoto, T., Heinrich, P.C. (1988)
Cell-free synthesized interleukin-6 (BSF-2/IFN- β_2) exhibits hepatocyte-stimulating activity
Eur. J. Biochem. 175, 181-186 IPF 3.5
PMID:2456923
95. Andus, T., Geiger, T., Hirano, T., Kishimoto, T., Heinrich, P.C. (1988)
Action of recombinant human interleukin-6, interleukin-1 β and tumor necrosis factor α on the mRNA induction of acute-phase proteins
Eur. J. Immunol. 18, 739-746 IPF 6.0
PMID:2454192
96. Geiger, T., Andus, T., Klapproth, J., Hirano, T., Kishimoto, T., Heinrich, P.C. (1988)
Induction of rat acute-phase proteins by interleukin-6 in vivo
Eur. J. Immunol. 18, 717-721 IPF 6.0
PMID:2454191
97. Castell, J.V., Gomez-Lechon, M., David, M., Hirano, T., Kishimoto, T., Heinrich, P.C. (1988)
Recombinant human interleukin-6 (IL-6/BSF-2/HSF) regulates the synthesis of acute phase proteins in human hepatocytes
FEBS Lett. 232, 347-350 IPF 3.8
PMID:2454206

98. Castell, J.V., Geiger, T., Gross, V., Andus, T., Walter, E., Hirano, T., Kishimoto, T., Heinrich, P.C. (1988)
Plasma clearance, organ distribution and target cells of interleukin-6/hepatocyte stimulating factor in the rat
Eur. J. Biochem. 177, 357-361 IPF 3.5
PMID:3263918
99. Northemann, W., Shiels, B.R., Braciak, T.A., Hanson, R.W., Heinrich, P.C., Fey, G.H. (1988)
Structure and acute phase regulation of the rat α_2 -macroglobulin gene
Biochemistry 27, 9194-9203 IPF 5.1
PMID:2468362
- 1989**
100. Castell, J.V., Gomez-Lechon, M.J., David, M., Andus, T., Geiger, T., Trullenque, R., Fabra, R., Gerok, W., Heinrich, P.C. (1989)
Interleukin-6 is the major regulator of acute phase protein synthesis in adult human hepatocytes
FEBS Lett. 242, 237-239 IPF 3.8
PMID:2464504
101. Kunz, D., Zimmermann, R., Heisig, M., Heinrich, P.C. (1989)
Identification of the promoter sequences involved in the interleukin-6 dependent expression of the α_2 -macroglobulin gene
Nucleic Acids Res. 17, 1121,1138 IPF 4.2
PMID:2466233
102. Gross, V., Andus, T., Castell, J., vom Berg, D., Heinrich, P.C., Gerok, W. (1989)
O- and N-glycosylation lead to different molecular weight forms of human monocyte interleukin-6
FEBS Lett. 247, 323-326 IPF 3.8
PMID:2523818
103. Ludolph, D., Gross, V., Katz, N.R., Giffhorn-Katz, S., Kreisel, W., Heinrich, P.C., Gerok, W. (1989)
Effect of the alpha-glucosidase inhibitor N-hydroxyethyl-1-deoxynojirimycin (Bay M 1099) on the biosynthesis of liver secretory glycoproteins
Biochem. Pharmacol. 38, 2479-2486 IPF 2.5
PMID:2502984
104. Dahlmann, B., Kuehn, L., Kirschke, H., Wiederanders, B., Heinrich, P.C. (1989)
ATP-activated, high molecular mass proteinase-I from rat skeletal muscle is a cysteine proteinase- α_1 -macroglobulin complex
Biochim. Biophys. Acta 991, 253-262 IPF 2.5
PMID:2470410
105. Klapproth, J., Castell, J., Geiger, T., Andus, T., Heinrich, P.C. (1989)
Fate and biological action of human recombinant interleukin-1 β in the rat in vivo
Eur. J. Immunol. 19, 1485-1490 IPF 6.0
PMID:2476319

1990

106. Castell, J., Klapproth, J., Gross, V., Walter, E., Andus, T., Snyers, L., Content, J., Heinrich, P.C. (1990)
Fate of IL-6 in the rat: Involvement of skin in its catabolism
Eur. J. Biochem. 189, 113-118 IPF 3.5
PMID:2331992
107. Hauschmidt, S., Hoffmann, P., Beuscher, H.U., Dufhues, G., Heinrich, P.C., Jung, G., Bessler, W.G. (1990)
Activation of bone marrow-derived mouse macrophages by bacterial lipopeptide: Cytokine production, phagocytosis and la expression
Eur. J. Immunol. 20, 63-68 IPF 6.0
PMID:2407539
108. Rose-John, S., Schooltink, H., Lenz, D., Hipp, E., Dufhues, G., Schmitz, H., Schiel, X., Hirano, T., Kishimoto, T., Heinrich, P.C. (1990)
Studies on the structure and regulation of the human hepatic interleukin-6-receptor
Eur. J. Biochem. 190, 79-83 IPF 3.5
PMID:2163835
109. Schiel, X., Rose-John, S., Dufhues, G., Schooltink, H., Heinrich, P.C. (1990)
Microheterogeneity of human interleukin-6 synthesized by transfected NIH/3T3 cells: Comparison with human monocytes, fibroblasts, and endothelial cells
Eur. J. Immunol. 20, 883-887 IPF 6.0
PMID:2347366
110. Krüttgen, A., Rose-John, S., Möller, C., Wroblowski, B., Wollmer, A., Müllberg, J., Hirano, T., Kishimoto, T., Heinrich, P.C. (1990)
Structure-function analysis of human interleukin-6. Evidence for the involvement of the carboxy-terminus in function
FEBS Lett. 262, 323-326 IPF 3.8
PMID:2335213
111. Bender, S., Haubeck, H.-D., van de Leur, E., Dufhues, G., Schiel, X., Lauwerijns, J., Greiling, H., Heinrich, P.C. (1990)
Interleukin-1 β induces synthesis and secretion of interleukin-6 in human chondrocytes
FEBS Lett. 263, 321-324 IPF 3.8
PMID:2335234
112. Krüttgen, A., Rose-John, S., Dufhues, G., Bender, S., Lütticken, C., Freyer, P., Heinrich, P.C. (1990)
The three carboxy-terminal amino acids of human interleukin-6 are essential for its biological activity
FEBS Lett. 273, 95-98 IPF 3.8
PMID:2226871
113. Castell, J.V., Gomez-Lechon, M.J., David, M., Fabra, R., Trullenque, R., Heinrich, P.C. (1990)
Acute phase response of human hepatocytes: Regulation of acute phase protein synthesis by interleukin-6
Hepatology 12, 1179-1186 IPF 5.4
PMID:1699862

114. Gross, V., Ludolph, D., vom Berg, D., Kreisel, W., Andus, T., Katz, N., Giffhorn-Katz, S., Heinrich, P.C., Gerok, W. (1990)
Hepatocyte specific long lasting inhibition of protein N-glycosylation by D-galactosamine
Biochim. Biophys. Acta 1036, 143-150 IPF 2.5
PMID:2121278

1991

115. Rose-John, S., Hipp, E., Lenz, D., Legrès, L., Korr, H., Hirano, T., Kishimoto, T., Heinrich, P.C. (1991)
Structural and functional studies on the human interleukin-6-receptor: Binding, cross-linking, internalization and degradation of interleukin-6 by fibroblasts transfected with human IL-6-receptor-cDNA
J. Biol. Chem. 266, 3841-3846 IPF 7.4
PMID:1995637
116. Flohe, S., Heinrich, P.C., Schneider, J., Wendel, A., Flohe, L. (1991)
Time course of IL-6 and TNF α release during endotoxin-induced endotoxin tolerance in rats
Biochem. Pharmacol. 41, 1607-1614 IPF 2.5
PMID:1710458
117. Lütticken, C., Krüttgen, A., Möller, C., Heinrich, P.C., Rose-John, S. (1991)
Evidence for the importance of a positive charge and an alpha-helical structure of the C-terminus for biological activity of human IL-6
FEBS Lett. 282, 265-267 IPF 3.8
PMID:2037043
118. Schooltink, H., Stoyan, T., Lenz, D., Schmitz, H., Hirano, T., Kishimoto, T., Heinrich, P.C., Rose-John, S. (1991)
Structural and functional studies on the human hepatic IL-6-receptor: Molecular cloning and overexpression in HepG2 cells
Biochem. J. 277, 659-664 IPF 4.2
PMID:1872801
119. Klosterhalfen, B., Hörstmann-Jungemann, K., Vogel, P., Dufhues, G., Simon, B., Kalff, G., Kirkpatrick, C.J., Mittermayer, C., Heinrich, P.C. (1991)
Hemodynamic variables and plasma levels of PG I_2 , TXA $_2$ and IL-6 in a porcine model of recurrent endotoxemia
Circulatory shock 35, 237-244 IPF 1.6
PMID:1777960

1992

120. Schooltink, H., Schmitz-van de Leur, H., Heinrich, P.C., Rose-John, S. (1992)
Up-regulation of the interleukin-6-signal transducing protein (gp 130) by interleukin-6 and dexamethasone in HepG2 cells
FEBS Lett. 297, 263-265 IPF 3.8
PMID:1544406
121. Mackiewicz, A., Rose-John, S., Schooltink, H., Laciak, M., Gorny, A., Heinrich, P.C. (1992)
Soluble human interleukin-6-receptor modulates interleukin-6-dependent N-glycosylation of α_1 -protease inhibitor secreted by HepG2 cells
FEBS Lett. 306, 257-261 IPF 3.8
PMID:1321738

122. Klosterhalfen, B., Hörstmann-Jungemann, K., Vogel, P., Flohe, S., Offner, F., Kirkpatrick, C.J., Heinrich, P.C. (1992)
Time course of various inflammatory mediators during recurrent endotoxemia
Biochem. Pharmacol. 43, 2103-2109 IPF 2.5
PMID:1599496
123. Zohlnhöfer, D., Graeve, L., Rose-John, S., Schooltink, H., Dittrich, E., Heinrich, P.C. (1992)
The hepatic interleukin-6-receptor: down-regulation of the interleukin-6-binding subunit (gp80) by its ligand
FEBS Lett. 306, 219-222 IPF 3.8
PMID:1321736
124. Mackiewicz, A., Schooltink, H., Heinrich, P.C., Rose-John, S., (1992)
Complex of soluble human interleukin-6-receptor/interleukin-6 upregulates expression of acute-phase proteins
J. Immunol. 149, 2021-2027 IPF 7.4
PMID:1381393
125. Kordula, T., Gütgemann, I., Rose-John, S., Roeb, E., Osthues, A., Tschesche, H., Koj, A., Heinrich, P.C., Graeve, L. (1992)
Synthesis of tissue inhibitor of metalloproteinases-1 (TIMP-1) in human hepatoma cells (HepG2): Up-regulation by interleukin-6 and transforming growth factor β
FEBS Lett. 313, 143-147 IPF 3.8
PMID:1330702
126. Schooltink, H., Stoyan, T., Roeb, E., Heinrich, P.C., Rose-John, S. (1992)
Ciliary Neurotrophic Factor induces acute-phase protein expression in hepatocytes
FEBS Lett. 314, 280-284 IPF 3.8
PMID:1281789
127. Müllberg, J., Schooltink, H., Stoyan, T., Heinrich, P.C., Rose-John, S. (1992)
Protein kinase C activity is rate limiting for shedding of the interleukin-6 receptor
Biochem. Biophys. Res. Comm. 189, 794-800 IPF 3.2
PMID:1335247

1993

128. Wegenka, U.M., Buschmann, J., Lütticken, C., Heinrich, P.C., Horn, F. (1993)
Acute-phase response factor, a nuclear factor binding to acute-phase response elements, is rapidly activated by interleukin-6 at the posttranslational level
Mol. Cell. Biol. 13, 276-288 IPF 10.5
PMID:7678052
129. Pietzko, D., Zohlnhöfer, D., Graeve, L., Fleischer, D., Stoyan, T., Schooltink, H., Rose-John, S., Heinrich, P.C. (1993)
The hepatic interleukin-6-receptor: studies on its structure and regulation by phorbol 12-myristate 13-acetate-dexamethasone
J. Biol. Chem. 268, 4250-4258 IPF 7.4
PMID:8440709
130. Müllberg, J. Schooltink, H., Stoyan, T., Günther, M., Graeve, L., Mackiewicz, A., Heinrich, P.C., Rose-John, S. (1993)
The soluble interleukin-6-receptor is generated by shedding
Eur. J. Immunol. 23, 473-480 IPF 6.0
PMID:8436181

131. Kordula, T., Dubin, A., Schooltink, H., Koj, A., Heinrich, P.C., Rose-John, S. (1993)
Molecular cloning and expression of an intracellular serpin: Elastase inhibitor from horse leukocytes
Biochem. J. 293, 187-193 IPF 4.2
PMID:7687128
132. Van Dam, M., Müllberg, J., Schooltink, H., Stoyan, T., Graeve, L., Heinrich, P.C., Rose-John, S. (1993)
Structure-function analysis of interleukin-6 utilizing human/murine chimeric molecules: involvement of two separate domains in receptor binding
J. Biol. Chem. 268, 15285-15290 IPF 7.4
PMID:8325898
133. Stoyan, T., Michaelis, U., Schooltink, H., Van Dam, M., Rudolph, R., Heinrich, P.C., Rose-John, S. (1993)
Recombinant soluble human interleukin-6 receptor. Expression in Escherichia coli, renaturation and purification
Eur. J. Biochem. 216, 239-245 IPF 3.5
PMID:8365410
134. Wlaschek, M., Bolsen, K., Herrmann, G., Schwarz, A., Wilmroth, F., Heinrich, P.C., Goerz, G., Scharffetter-Kochanek, K. (1993)
UVA-induced autocrine stimulation of fibroblast-derived-collagenase by IL-6: a possible mechanism in dermal photodamage?
J. Invest. Dermatol. 101, 164-168 IPF 3.7
PMID:7688402
135. Müllberg, J., Dittrich, E., Graeve, L., Gerhartz, C., Yasukawa, K., Taga, T., Kishimoto, T., Heinrich, P.C., Rose-John, S., (1993)
Differential shedding of the two subunits of the interleukin-6 receptor
FEBS Lett. 332, 174-178 IPF 3.8
PMID:8405437
136. Rose-John, S., Schooltink, H., Schmitz-van De Leur, H., Müllberg, J., Heinrich, P.C., Graeve, L. (1993)
Intracellular retention of interleukin-6 abrogates signaling
J. Biol. Chem. 268, 22084-22091 IPF 7.4
PMID:8408066
137. Roeb, E., Graeve, L., Hoffmann, R., Decker, K., Edwards, D.R., Heinrich, P.C. (1993)
Regulation of tissue inhibitor of metalloproteinases-1 (TIMP-1) gene expression by cytokines and glucocorticoids in rat hepatocyte primary cultures
Hepatology 18, 1437-1442 IPF 5.4
PMID:8244270
138. Hu, Y., Dietrich, H., Herold, M., Heinrich, P.C., Wick, G. (1993)
Disturbed immuno-endocrine communication via the hypothalamo-pituitary-adrenal axis in autoimmune disease
Int. Arch. Allergy Immunol. 102, 232-241 IPF 1.3
PMID:8219776

1994

139. Lütticken, C., Wegenka, U.M., Yuan, J., Buschmann, J., Schindler, C., Ziemicke, A., Harpur, A.G., Wilks, A.F., Yasukawa, K., Taga, T., Kishimoto, T., Barbieri, G., Pellegrini, S., Sendtner, M., Heinrich, P.C., Horn, F. (1994)
Association of transcription factor APRF and protein kinase JAK1 with the interleukin-6 signal transducer gp130
Science 263, 89-92 IPF 21.9
PMID:8272872
140. Brakenhoff, J.P.J., DeHon, F.D., Fontaine, V., Tenboekel, E., Schooltink, H., Rose-John, S., Heinrich, P.C., Content, J., Aarden, L.A. (1994)
Development of a human interleukin-6 receptor antagonist
J. Biol. Chem. 269, 86-93 IPF 7.4
PMID:8276883
141. Günther, M., Haubeck, H.-D., van de Leur, E., Bläser, J., Bender, S., Gütgemann, I., Fischer, D.-C., Tschesche, H., Greiling, H., Heinrich, P.C., Graeve, L. (1994)
Transforming growth factor β_1 regulates tissue inhibitor of metalloproteinases-1 (TIMP-1) expression in differentiated human articular chondrocytes
Arthritis and Rheumatism 37, 395-405 IPF 7.2
PMID:8129795
142. Yuan, J., Wegenka, U.M., Lütticken, C., Buschmann, J., Decker, T., Schindler, C., Heinrich, P.C., Horn, F. (1994)
The signalling pathways of interleukin-6 and interferon- γ converge due to the activation of transcription factors binding to common responsive DNA elements.
Mol. Cell. Biol. 14, 1657-1668 IPF 10.5
PMID:7509445
143. Wegenka, U.M., Lütticken, C., Buschmann, J., Yuan, J., Lottspeich, F., Müller-Esterl, W., Schindler, C., Roeb, E., Heinrich, P.C., Horn, F. (1994)
The interleukin-6-activated acute-phase response factor is antigenically and functionally related to members of the signal transduction and transcription (Stat) factor family
Mol. Cell. Biol. 14, 3186-3196 IPF 10.5
PMID:8164674
144. Müllberg, J., Oberthür, W., Lottspeich F., Mehl, E., Dittrich, E., Graeve, L., Heinrich, P.C., Rose-John, S. (1994)
The soluble human interleukin-6-receptor: mutational characterization of the proteolytic cleavage site.
J. Immunol. 152, 4958-4968 IPF 7.4
PMID:8176214
145. Schoester, M., Heinrich, P.C., Graeve, L. (1994)
Regulation of interleukin-6 receptor expression by interleukin-6 in human monocytes - a reexamination
FEBS Letters 345, 131-134 IPF 3.8
PMID:8200444
146. Dittrich, E., Rose-John, S., Gerhartz, C., Müllberg, J., Stoyan, T., Yasukawa, K., Heinrich, P.C., Graeve, L. (1994)
Identification of a region within the cytoplasmic domain of the interleukin-6 signal transducer gp130 important for ligand-induced endocytosis of the IL-6 receptor
J. Biol. Chem. 269, 19014-19020 IPF 7.4
PMID:8034658

147. Gerhartz, C., Dittrich, E., Stoyan, T., Rose-John, S., Yasukawa, K., Heinrich, P.C., Graeve, L. (1994)
Biosynthesis and half-life of the interleukin-6 receptor and its signal transducer gp130
Eur. J. Biochem. 223, 265-274 IPF 3.5
PMID:8033901
148. Christ, B., Nath, A., Heinrich, P.C., Jungermann, K. (1994)
Inhibition by rhIL6 of the glucagon-dependent induction of phosphoenolpyruvate carboxykinase and of the insulin-dependent induction of glucokinase gene expression in cultured rat hepatocytes: Regulation of gene transcription and mRNA degradation.
Hepatology 20, 1577-1583 IPF 5.4
PMID:7527006
- 1995**
149. Roeb, E., Rose-John, S., Erren, A., Edwards, D.R., Matern, S., Graeve, L., Heinrich, P.C. (1995)
Tissue inhibitor of metalloproteinases-2 (TIMP-2) in rat liver cells is increased by lipopolysaccharide and prostaglandin E₂
FEBS Letters 357, 33-36 IPF 3.8
PMID:8001673
150. Horsten, U., Schmitz-van de Leur, H., Müllberg, J., Heinrich, P.C., Rose-John, S. (1995)
The membrane distal half of gp130 is responsible for the formation of a ternary complex with IL-6 and the IL-6 receptor
FEBS Lett. 360, 43-46 IPF 3.8
PMID:7875298
151. Lütticken, C., Coffer, P., Yuan, J., Schwartz, C., Caldenhoven, E., Schindler, C., Kruijer, W., Heinrich, P.C., Horn, F. (1995)
Interleukin-6-induced serine phosphorylation of transcription factor APRF: evidence for a role in interleukin-6 target gene induction
FEBS Lett. 360, 137-143 IPF 3.8
PMID:7533107
152. Guschin, D., Rogers, N., Briscoe, J., Witthuhn, B., Watling, D., Horn, F., Pellegrini, S., Yasukawa, K., Heinrich, P.C., Stark, G.R., Ihle, J.N., Kerr, I.M. (1995)
A major role for the protein tyrosine kinase JAK1 in the JAK/STAT signal transduction pathway in response to interleukin-6
EMBO J. 14, 1421-1429 IPF 13.5
PMID:7537214
153. Mackiewicz, A., Wiznerowicz, M., Roeb, E., Karczewska, A., Nowak, J., Heinrich, P.C., Rose-John, S. (1995)
Soluble interleukin-6 receptor is biologically active in vivo
Cytokine 7, 142-149 IPF 2.8
PMID:7780033
154. Thier, M., Simon, R., Krüttgen, A., Rose-John, S., Heinrich, P.C., Schröder, J.M., Weis, J. (1995)
Site-directed mutagenesis of human CNTF: Functional analysis of recombinant variants
J. Neurosci. Res. 40, 826-835 IPF 3.4
PMID:7629895

155. Mackiewicz, A., Górný, A., Laciak, M., Malicki, J., Murawa, P., Nowak, J., Wiznerowicz, M., Hawley, R.G., Heinrich, P.C., Rose-John, S. (1995)
Gene therapy of human melanoma. Immunization of patients with autologous tumor cells admixed with allogeneic melanoma cells secreting interleukin 6 and soluble interleukin 6 receptor
Hum. Gene Ther. 6, 805-811
 PMID:7548280 IPF 8.7
156. Schöbitz, B., Pezeshki, G., Pohl, T., Hemmann, U., Heinrich, P.C., Holsboer, F., Reul, J.M.H.M. (1995)
Soluble interleukin-6 receptor augments central effects of interleukin-6 in vivo
FASEB J. 9, 659-664
 PMID:7768358 IPF 13.4
157. Krüttgen, A., Grötzingler, J., Kurapkat, G., Weis, J., Simon, R., Thier, M., Schröder, M., Heinrich, P.C., Wollmer, A., Comeau, M., Müllberg, J., Rose-John, S. (1995)
Human ciliary neurotrophic factor: a structure-function analysis
Biochem. J. 309, 215-220
 PMID:7619059 IPF 4.1
158. Weiergräber, O., Hemmann, U., Erren, A., Müller-Newen, G., Schneider, J., Rose-John, S., Kurschat, P., Brakenhoff, J.P.J., Hart, M.H.L., Stabel, S., Heinrich, P.C. (1995)
Soluble human interleukin-6 receptor: Expression in insect cells, purification and characterization
Eur. J. Biochem. 234, 661-669
 PMID:8536717 IPF 3.5
159. Kurschat, P., Graeve, L., Erren, A., Gatsios, P., Rose-John, S., Roeb, E., Tschesche, H., Koj, A., Heinrich, P.C. (1995)
Expression of a biologically active murine tissue inhibitor of metalloproteinases-1 (TIMP-1) in baculovirus-infected insect cells, purification and tissue distribution in the rat
Eur. J. Biochem. 234, 485-491
 PMID:8536693 IPF 3.5
160. Wijdenes, J., Heinrich, P.C., Müller-Newen, G., Roche, C., Gu, Z.-J., Clement, C., Klein, B. (1995)
Interleukin-6 signal transducer gp130 has specific binding sites for different cytokines as determined by antagonistic and agonistic anti-gp130 monoclonal antibodies
Eur. J. Immunol. 25, 3474-3481
 PMID:8566040 IPF 6.0
161. Bugno, M., Graeve, L., Gatsios, P., Koj, A., Heinrich, P.C., Travis, J., Kordula, T. (1995)
Identification of the interleukin-6/oncostatin M response element in the rat tissue inhibitor of metalloproteinases-1 (TIMP-1) promoter
Nucleic Acids Research 23, 5041-5047
 PMID:8559663 IPF 4.2
162. Simon, R., Thier, M., Krüttgen, A., Rose-John, S., Weiergräber, O., Heinrich, P.C., Schröder, J.M., Weis, J. (1995)
Human CNTF and related cytokines: effects on DRG neurone survival
NeuroReport 7, 153-157
 PMID:8742440 IPF 2.6

1996

163. Weiergräber, O., Schneider-Mergener, J., Grötzing, J., Wollmer, A., Küster, A., Exner, M., Heinrich, P.C. (1996)
Use of immobilized synthetic peptides for the identification of contact sites between human interleukin-6 and its receptor
FEBS Lett. 379, 122-126 IPF 3.8
PMID:8635575
164. Dittrich, E., Haft, C.R., Muys, L., Heinrich, P.C., Graeve, L. (1996)
A di-leucine motif and an upstream serine in the interleukin-6 signal transducer gp130 mediate ligand-induced endocytosis and down-regulation of the IL-6 receptor
J. Biol. Chem. 271, 5487-5494 IPF 7.4
PMID:8621406
165. Müller-Newen, G., Köhne, C., Keul, R., Hemmann, U., Müller-Esterl, W., Wijdenes, J., Brakenhoff, J.P.J., Hart, M.H.L., Heinrich, P.C. (1996)
Purification and characterization of the soluble interleukin-6 receptor from human plasma and identification of an isoform generated through alternative splicing
Eur. J. Biochem. 236, 837-842 IPF 3.5
PMID:8665902
166. Gerhartz, C., Heesel, B., Sasse, J., Hemmann, U., Landgraf, C., Schneider-Mergener, J., Horn, F., Heinrich, P.C., Graeve, L. (1996)
Differential activation of acute phase response factor/STAT3 and STAT1 via the cytoplasmic domain of the interleukin 6 signal transducer gp130 I. Definition of a novel phosphotyrosine motif mediating STAT1 activation
J. Biol. Chem. 271, 12991-12998 IPF 7.4
PMID:8662591
167. Hemmann, U., Gerhartz, C., Heesel, B., Sasse, J., Kurapkat, G., Grötzing, J., Wollmer, A., Zhong, Z., Darnell, JR., J.E., Graeve, L., Heinrich, P.C., Horn, F. (1996)
Differential activation of acute phase response factor/STAT3 and STAT1 via the cytoplasmic domain of the interleukin 6 signal transducer gp130 II. Src homology SH2 domains define the specificity of STAT factor activation
J. Biol. Chem. 271, 12999-13007 IPF 7.4
PMID:8662795
168. Kalai, M., Montero-Julian, F.A., Grötzing, J., Wollmer, A., Morelle, D., Brochier, J., Rose-John, S., Heinrich, P.C., Brailly, H., Content, J. (1996)
Participation of two Ser-Ser-Phe-Tyr repeats in interleukin-6 (IL-6)-binding sites of the human IL-6 receptor
Eur. J. Biochem. 238, 714-723 IPF 3.5
PMID:8706672
169. Gatsios, P., Haubeck, H-D., van de Leur, E., Frisch, W., Apte, S., Greiling, H., Heinrich, P.C., Graeve, L. (1996)
Oncostatin M differentially regulates tissue inhibitors of metalloproteinases TIMP-1 and TIMP-3 gene expression in human synovial lining cells
Eur. J. Biochem. 241, 56-63 IPF 3.5
PMID:8898888

170. May, P., Gerhartz, C., Heesel, B., Welte, T., Doppler, W., Graeve, L., Horn, F., Heinrich, P.C. (1996)
Comparative study on the phosphotyrosine motifs of different cytokine receptors involved in STAT5 activation
FEBS Lett. 394, 221-226 IPF 3.8
PMID:8843168
171. Huppertz, C., Schwartz, C., Becker, W., Horn, F., Heinrich, P.C., Joost, H.-G. (1996)
Comparison of the effects of insulin, PDGF, interleukin-6, and interferon- γ on glucose transport in 3T3-L1 cells: lack of cross-talk between tyrosine kinase receptors and JAK/STAT pathways
Diabetologia 39, 1432-1439 IPF 4.5
PMID:8960823
172. Graeve, L., Korolenko, T.A., Hemmann, U., Weiergräber, O., Dittrich, E., Heinrich, P.C. (1996)
A complex of the soluble interleukin-6 receptor and interleukin-6 is internalized via the signal transducer gp130
FEBS Lett. 399, 131-134 IPF 3.8
PMID:8980136

1997

173. Behrmann, I., Janzen, C., Gerhartz, C., Schmitz-van de Leur, H., Hermanns, H., Heesel, B., Graeve, L., Horn, F., Tavernier, J., Heinrich, P.C. (1997)
A single STAT recruitment module in a chimeric cytokine receptor complex is sufficient for STAT activation
J. Biol. Chem. 272, 5269-5274 IPF 7.4
PMID:9030599
174. Schaper, F., Siewert, E., Gomez-Lechon, M.J., Gatsios, P., Sachs, M., Birchmeier, W., Heinrich, P.C., Castell, J. (1997)
Hepatocyte growth factor/scatter factor (HGF/SF) signals via the STAT3/APRF transcription factor in human hepatoma cells and hepatocytes
FEBS Lett. 405, 99-103 IPF 3.8
175. Lebeau, B., Montero Julian, F.A., Wijdenes, J., Müller-Newen, G., Dahmen, H., Chérel, M., Heinrich, P.C., Brailly, H., Hallet, M., Godard, A., Minvielle, S., Jacques, Y. (1997)
Reconstitution of two isoforms of the human interleukin-11 receptor and comparison of their functional properties
FEBS Lett. 407, 141-147 IPF 3.8
PMID:9166888
176. Müller-Newen, G., Pflanz, S., Hassiepen, U., Stahl, J., Wollmer, A., Heinrich, P.C., Grötzingler, J. (1997)
The signal transducer gp130: Bacterial expression, refolding and properties of the carboxy-terminal domain of the cytokine-binding module
Eur. J. Biochem. 247, 425-431 IPF 3.5
PMID:9249056

177. Sasse, J., Hemmann, U., Heesel, B., Schwartz, C., Schniertshauer, U., Landgraf, C., Schneider-Mergener, J., Heinrich, P.C., Horn, F. (1997)
Mutational analysis of acute-phase response factor (APRF)/STAT3 activation and dimerization
Mol. Cell. Biol. 17, 4677-4686 IPF 10.5
PMID:9234724
178. Horsten, U., Müller-Newen, G., Gerhartz, C., Wollmer, A., Wijdenes, J., Heinrich, P.C., Grötzinger, J. (1997)
Molecular modeling guided mutagenesis of the extracellular part of gp130 leads to the identification of contact sites in the IL-6/IL-6 receptor/gp130 complex
J. Biol. Chem. 272, 23748-23757 IPF 7.4
PMID: 9295319
179. Roeb, E., Purucker, E., Breuer, B., Nguyen, H., Heinrich, P.C., Rose-John, S., Matern, S. (1997)
TIMP expression in toxic and cholestatic liver injury in rats
J. Hepatol. 27, 535-544 IPF 2.8
PMID:9314132
180. Koshelnick, Y., Ehart, M., Hufnagl, P., Heinrich, P.C., Binder, B.R. (1997)
Urokinase receptor is associated with the components of the Jak1/STAT1 signaling pathway and leads to activation of this pathway upon receptor clustering in the human kidney epithelial tumor cell line TCL-598
J. Biol. Chem. 272, 28563-28567 IPF 7.4
PMID:9353320
181. Korolenko, T.A., Heinrich, P.C., Hemmann, U., Weiergräber, O., Dittrich, E., Graeve, L. (1997)
Endocytosis of interleukin-6 - Soluble interleukin-6 receptor complex and its intralysosomal degradation
B. Exp. Biol. Med. 124, 527-529 IPF 0.1
PMID:9471247

1998

182. Thiel, S., Behrmann, I., Dittrich, E., Muys, L., Tavernier, J., Wijdenes, J., Heinrich, P.C., Graeve, L. (1998)
Internalization of the IL-6 signal transducer gp130 does not require activation of the JAK/STAT pathway
Biochem. J. 330, 47-54 IPF 4.1
PMID:9461489
183. Kordula, T., Rydel, R.E., Brigham, E.F., Horn, F., Heinrich, P.C., Travis, J. (1998)
Oncostatin M and the interleukin-6 and soluble interleukin-6 receptor complex regulate α₁-antichymotrypsin expression in human cortical astrocytes
J. Biol. Chem. 273, 4112-4118 IPF 7.4
PMID:9461605
184. Dahmen, H., Horsten, U., Küster, A., Jacques, Y., Kerr, I.M., Ciliberto, G., Heinrich, P.C., Müller-Newen, G. (1998)
Activation of the signal transducer gp130 by interleukin-11 and interleukin-6 is mediated by similar molecular interactions
Biochem. J. 331, 695-702 IPF 4.1
PMID:9560294

185. Schiefer, J., Töpper, R., Schmidt, W., Block, F., Heinrich, P.C., Noth, J., Schwarz, M. (1998)
Expression of interleukin-6 in the rat striatum following stereotaxic injection of quinolinic acid
J. Neuroimmunol. 89, 168-176 IPF 3.1
PMID:9726839
186. Gatsios, P., Terstegen, L., Schliess, F., Häussinger, D., Kerr, I.M., Heinrich, P.C., Graeve, L. (1998)
Activation of the Janus kinase/signal transducer and activator of transcription (Jak/STAT) pathway by osmotic shock
J. Biol. Chem. 273, 22962-22968 IPF 7.4
PMID:9722518
187. Schaper, F., Gendo, C., Eck, M., Schmitz, J., Grimm, C., Anhuf, D., Kerr, I.M., Heinrich, P.C. (1998)
Activation of the protein tyrosine phosphatase SHP2 via the interleukin-6 signal transducing receptor protein gp130 requires tyrosine kinase JAK1 and limits acute-phase protein expression
Biochem. J. 335, 557-565 IPF 4.1
PMID:9794795
188. Keul, R., Heinrich, P.C., Müller-Newen, G., Muller, K., Woo, P. (1998)
A possible role for soluble IL-6 receptor in the pathogenesis of systemic onset juvenile chronic arthritis
Cytokine 10, 729-734 IPF 2.7
PMID:9770335
189. Jacques, Y., Minvielle, S., Müller-Newen, G., Heinrich, P.C., Grötzing, J., Montero-Julian, F., Brailly, H., Wilkin, J.M., Content, J. (1998)
The interleukin-11/receptor complex: rational design of agonists/antagonists and immunoassays potentially useful in human therapy
Res. Immunol. 149, 737-740 IPF 1.1-*
PMID:9851534
190. Müller-Newen, G., Küster, A., Hemmann, U., Keul, R., Horsten, U., Martens, A., Graeve, L., Wijdenes, J., Heinrich, P.C. (1998)
Soluble interleukin-6 receptor potentiates the antagonistic activity of soluble gp130 on interleukin-6 responses
J. Immunol. 161, 6347-6355 IPF 6.9
PMID:9834125
191. Mayr, S., Welte, T., Windegger, M., Lechner, J., May, P., Heinrich, P.C., Horn, F., Doppler, W. (1998)
Selective coupling of STAT factors to the mouse prolactin receptor
Eur. J. Biochem. 258, 784-793 IPF 3.3
PMID:9874248
192. Thiel, S., Dahmen, H., Martens, A., Müller-Newen, G., Schaper, F., Heinrich, P.C., Graeve, L. (1998)
Constitutive internalization and association with adaptor protein-2 of the interleukin-6 signal transducer gp130
FEBS Lett. 441, 231-234 IPF 3.8
PMID:9883890

1999

193. Kernebeck, T., Pflanz, S., Müller-Newen, G., Kurapkat, G., Scheek, R.M., Dijkstra, K., Heinrich, P.C., Wollmer, A., Grzesiek, S., Grötzinger, J. (1999)
The signal transducer gp130: Solution structure of the carboxy-terminal domain of the cytokine receptor homology region
Protein Science 8, 5-12 IPF 4.6
PMID:10210178
194. Haan, S., Hemmann, U., Haßiepen, U., Schaper, F., Schneider-Mergener, J., Wollmer, A., Heinrich, P.C., Grötzinger, J. (1999)
Characterization and binding specificity of the monomeric STAT3-SH2 domain
J. Biol. Chem. 274, 1342-1348 IPF 6.9
PMID:9880505
195. Thiel, S., Behrmann, I., Timmermann, A., Dahmen, H., Müller-Newen, G., Schaper, F., Tavernier, J., Pitard, V., Heinrich, P.C., Graeve, L. (1999)
Identification of a Leu-Ile internalization motif within the cytoplasmic domain of the leukaemia inhibitory factor receptor
Biochem. J. 339, 15-19 IPF 3.6
PMID:10085222
196. Kurth, I., Horsten, U., Pflanz, S., Dahmen, H., Küster, A., Grötzinger, J., Heinrich, P.C., Müller-Newen, G. (1999)
Activation of the signal transducer gp130 by both interleukin-6 and interleukin-11 requires two distinct binding epitopes
J. Immunol. 162, 1480-1487 IPF 6.9
PMID:9973404
197. Pflanz, S., Tacken, I., Grötzinger, J., Jacques, Y., Minvielle, S., Dahmen, H., Heinrich, P.C., Müller-Newen, G. (1999)
A fusion protein of IL-11 and soluble IL-11 receptor acts as a superagonist on cells expressing gp130
FEBS Lett. 450, 117-122 IPF 3.5
PMID:10350068
198. Kortylewski, M., Heinrich, P.C., Mackiewicz, A., Schniertshauer, U., Klingmüller, U., Nakajima, K., Hirano, T., Horn, F., Behrmann, I. (1999)
Interleukin-6- and Oncostatin M-induced growth inhibition of human A375 melanoma cells is STAT-dependent and involves upregulation of the cyclin-dependent kinase inhibitor p27/Kip1
Oncogene 18, 3742-3753 IPF 6.8
PMID:10391682
199. Banbula A., Bugno, M., Küster, A., Heinrich, P.C., Travis, J., Potempa, J. (1999)
Rapid and efficient inactivation of IL-6 gingipains, lysine- and arginine-specific proteinases from Porphyromonas gingivalis
Biochem. Biophys. Res. Comm. 261, 598-602 IPF 2.7
PMID:10441472
200. Siewert, E., Müller-Esterl, W., Starr, R., Heinrich, P.C., Schaper, F. (1999)
Different protein turnover of interleukin-6-type cytokine signalling components
Eur. J. Biochem. 265, 251-257 IPF 3.1
PMID:10491180

201. Vraetz, T., Ittel, T.H., van Mackelenbergh, M.G., Heinrich, P.C., Sieberth, H.G., Graeve, L. (1999)
Regulation of β_2 -microglobulin expression in different human cell lines by proinflammatory cytokines
Nephrol. Dial. Transplant. 14, 2137-2143 IPF 1.7
PMID:10489222
202. Fischer, D.-C., Siebertz, B., van de Leur, E., Schiwy-Bochat, K.-H., Graeve, L., Heinrich, P.C., Haubeck, H.-D. (1999)
Induction of α_1 -antitrypsin synthesis in human articular chondrocytes by interleukin-6-type cytokines - Evidence for a local acute-phase response in the joint
Arthritis & Rheumatism 42, 1936-1945 IPF 6.2
PMID:10513810
203. Bode, J., Gatsios, P., Ludwig, S., Rapp, U.R., Häussinger, D., Heinrich, P.C., Graeve, L. (1999)
The mitogen-activated protein (MAP) kinase p38 and its upstream activator MAP kinase kinase 6 are involved in the activation of signal transducer and activator of transcription by hyperosmolarity
J. Biol. Chem. 274, 30222-30227 IPF 7.0
PMID:10514514
204. Tacken, I., Dahmen, H., Boistreau, O., Minvielle, S., Jacques, Y., Grötzing, J., Küster, A., Horsten, U., Blanc, C., Montero, F., Heinrich, P.C., Müller-Newen, G. (1999)
Definition of receptor binding sites on human interleukin-11 by molecular modeling-guided mutagenesis
Eur. J. Biochem. 265, 645-655 IPF 3.1
PMID:10504396
205. Hermanns, H.M., Radtke, S., Haan, C., Schmitz-Van de Leur, H., Tavernier, J., Heinrich, P.C., Behrmann, I. (1999)
Contributions of leukemia inhibitory factor receptor and oncostatin M receptor to signal transduction in heterodimeric complexes with gp130
J. Immunol. 163, 6651-6658 IPF 6.9
PMID:10586060
206. Bode, J.G., Nimmessern, A., Schmitz, J., Schaper, F., Schmitt, M., Frisch, W., Häussinger, D., Heinrich, P.C., Graeve, L. (1999)
LPS and TNF α induce SOCS3 mRNA and inhibit IL-6-induced activation of STAT3 in macrophages
FEBS Lett. 463, 365-370 IPF 3.5
PMID:10606755
- ## 2000
207. Kurth, I., Horsten, U., Pflanz, S., Timmermann, A., Küster, A., Dahmen, H., Tacken, I., Heinrich, P.C., Müller-Newen, G. (2000)
Importance of the membrane-proximal extracellular domains for activation of the signal transducer gp130
J. Immunol. 164, 273-282 IPF 7.1
PMID:10605021
208. Schmitz, J., Dahmen, H., Grimm, C., Gendo, C., Müller-Newen, G., Heinrich, P.C., Schaper, F. (2000)
The cytoplasmic tyrosine motifs in full-length gp130 have different roles in IL-6 signal transduction
J. Immunol. 164, 848-854 IPF 7.1

209. Haan, S., Kortylewski, M., Behrmann, I., Müller-Esterl, W., Heinrich, P.C., Schaper, F. (2000)
Cytoplasmic STAT proteins associate prior to activation
Biochem. J. 345, 417-421 IPF 4.3
PMID:10642496
210. Müller-Newen, G., Küster, A., Wijdenes, J., Schaper, F., Heinrich, P.C. (2000)
Studies on the IL-6-type cytokine signal transducer gp130 reveal a novel mechanism of receptor activation by monoclonal antibodies
J. Biol. Chem. 275, 4579-4586 IPF 7.1
PMID:10671483
211. Burgermeister, E., Pessara, U., Tibes, U., Küster, A., Heinrich, P.C., Scheuer, W.V. (2000)
Inhibition of cytosolic phospholipase A2 attenuates activation of mitogen-activated protein kinases in human monocytic cells
Eur. J. Pharmacol. 388, 195-208 IPF 2.0
PMID:10675727
212. Timmermann, A., Pflanz, S., Grötzinger, J., Küster, A., Kurth, I., Pitard, V., Heinrich, P.C., Müller-Newen, G. (2000)
Different epitopes are required for gp130 activation by interleukin-6, oncostatin M and leukemia inhibitory factor
FEBS Lett. 468, 120-124 IPF 3.6
PMID:10692570
213. Schmitz, J., Weissenbach, M., Haan, S., Heinrich, P.C., Schaper, F. (2000)
SOCS 3 exerts its inhibitory function on interleukin-6 signal transduction through the SHP2 recruitment site of gp130
J. Biol. Chem. 275, 12848-12856 IPF 7.1
PMID:10777583
214. Thiel, S., Sommer, U., Kortylewski, M., Haan, C., Behrmann, I., Heinrich, P.C., Graeve, L. (2000)
Termination of IL-6-induced STAT activation is independent of receptor internalization but requires de novo protein synthesis
FEBS Lett. 470, 15-19 IPF 3.6
PMID:10722837
215. Haan, C., Hermanns, H.M., Heinrich, P.C., Behrmann, I. (2000)
A single amino acid substitution ($Trp^{666} \rightarrow Ala$) in the interbox1/2 region of the interleukin-6 signal transducer gp130 abrogates binding of Jak1, and dominantly impairs signal transduction
Biochem. J. 349, 261-266 IPF 4.3
PMID:10861237
216. Siewert, E., Bort, R., Kluge, R., Heinrich, P.C., Castell, J., Jover, R. (2000)
Hepatic cytochrome P450 down-regulation during aseptic inflammation in the mouse is interleukin-6-dependent
Hepatology 32, 49-55 IPF 5.6
PMID:10869288
217. Terstegen, L., Gatsios, P., Bode, J.G., Schaper, F., Heinrich, P.C., Graeve, L. (2000)
The inhibition of interleukin-6-dependent STAT activation by mitogen-activated protein kinase depends on tyrosine-759 in the cytoplasmic tail of gp130
J. Biol. Chem. 275, 18810-18817 IPF 7.1
PMID:10764798

218. Blanc, C., Vusio, P., Schleinkofer, K., Boisteau, O., Pflanz, S., Minvielle, S., Grötzinger, J., Müller-Newen, G., Heinrich, P.C., Jacques, Y., Montero-Julian, F.A. (2000) *Monoclonal antibodies against the human interleukin-11 receptor alpha-chain (IL-11R α) and their use in studies of human mononuclear cells*
J. Immunol. Methods 241, 43-59 IPF 1.9
PMID:10915848
219. Huss, R., Gatsios, P., Graeve, L., Lange, C., Eissner, G., Kolb, H.J., Thalmeier, K., Heinrich, P.C. (2000) *Quiescence of CD34-negative haematopoietic stem cells is mediated by downregulation of cyclin B and no Stat activation*
Cytokine 12, 1195-1204 IPF 2.0
PMID:10930296
220. Anhuf, D., Weissenbach, M., Schmitz, J., Sobota, R., Hermanns, H.M., Radtke, S., Linnemann, S., Behrmann, I., Heinrich, P.C., Schaper, F. (2000) *Signal transduction of IL-6, LIF and OSM: Structural receptor requirements for signal attenuation*
J. Immunol. 165, 2535-2543 IPF 7,1
PMID:10946280
221. Terstegen, L., Maassen, B.G., Radtke, S., Behrmann, I., Schaper, F., Heinrich, P.C., Graeve, L., Gatsios, P. (2000) *Differential inhibition of IL-6-type cytokine-induced STAT activation by PMA*
FEBS Lett. 478, 100-104 IPF 3.6
PMID:10922477
222. Martens, A.S., Bode, J.G., Dittrich, E., Heinrich, P.C., Graeve, L. (2000) *The cytoplasmic domain of the interleukin-6 receptor gp80 mediates its basolateral sorting in polarized Madin-Darby canine kidney cells*
J. Cell Sci. 113, 3593-3602 IPF 5.5
PMID:11017875
223. Rödel, B., Tavassoli, K., Karsunky, H., Schmidt, T., Bachmann, M., Schaper, F., Heinrich, P.C., Shuai, K., Elsässer, H.P., Möröy, T. (2000) *The zinc finger protein Gfi-1 can enhance STAT3 signaling by interacting with the STAT3-inhibitor PIAS3*
EMBO J. 19, 5845-5855 IPF 13.2
PMID:11060035
224. Huss, R., Weissinger, E.M., Lange, C., Graeve, L., Gatsios, P., Eissner, G., Kolb, H., Heinrich, P.C., Diebold, J. (2000) *In-vitro generated stem cell leukemia showing altered cell cycle progression with distinct signalling of the tyrosine-phosphorylated rasGAP-associated p62^{dok} protein*
J Pathol. 192, 363-372 IPF 3.3
PMID:11054720
225. Hermanns, H.M., Radtke, S., Schaper, F., Haan, C., Heinrich, P.C., Behrmann, I. (2000) *Non-redundant signal transduction of interleukin-6-type cytokines: the adapter protein Shc is specifically recruited to the oncostatin M receptor*
J. Biol. Chem. 275, 40742-40748 IPF 7.1
PMID:11016927

226. Pflanz, S., Kurth, I., Grötzing, J., Heinrich, P.C., Müller-Newen, G. (2000)
Two different epitopes of the signal transducer gp130 sequentially cooperate upon interleukin-6-induced receptor activation
J. Immunol. 165, 7042-7049 IPF 7.1
PMID:11120832
- 2001**
227. Schleinkofer, K., Dingley, A., Tacken, I., Federwisch, M., Müller-Newen, G., Heinrich, P.C., Vusio, P., Jacques, Y., Grötzing, J. (2001)
Identification of the domain in the human interleukin-11 receptor that mediates ligand binding
J. Mol. Biol. 306, 263-274 IPF 5.5
PMID:11237599
228. Zabeau, L., Van der Heyden, J., Broekaert, D., Verhee, A., Vandekerckhove, J., Wu, S-J., Chaiken, I., Heinrich, P.C., Behrmann, I., Tavernier, J. (2001)
Neutralizing monoclonal antibodies can potentiate IL-5 signaling
Eur. J. Immunol. 31, 1087-1097 IPF 5.6
PMID:11298333
229. Pflanz, S., Kernebeck, T., Giese, B., Herrmann, A., Pachta-Nick, M., Stahl, J., Wollmer, A., Heinrich, P.C., Müller-Newen, G., Grötzing, J. (2001)
Signal transducer gp130: biochemical characterization of the three membrane-proximal extracellular domains and evaluation of their oligomerization potential
Biochem. J. 356, 605-612 IPF 4.3
PMID:11368791
230. Campbell, J.S., Prichard, L., Schaper, F., Schmitz, J., Stephenson-Famy, A., Rosenfeld, M.E., Argast, G.M., Heinrich, P.C., Fausto, N. (2001)
Expression of suppressors of cytokine signaling during liver regeneration
J. Clin. Invest. 107, 1285-1292 IPF 10.9
PMID:11375418
231. Bode, J.G., Fischer, R., Häussinger, D., Graeve, L., Heinrich, P.C., Schaper, F. (2001)
The inhibitory effect of IL-1 β on IL-6 induced α_2 -macroglobulin expression is due to activation of NF- κ B
J. Immunol. 167, 1469-1481 IPF 7.1
PMID:11466367
232. Kortylewski, M., Heinrich, P.C., Kauffmann, M.E., Böhm, M., Mackiewicz, A., Behrmann, I. (2001)
Mitogen-activated protein kinases control p27/Kip1 expression and growth of human melanoma cells
Biochem. J. 357, 297-303 IPF 4.3
PMID:11415463
233. Boehm, M., Schulte, U., Funk, J.O., Raghunath, M., Behrmann, I., Kortylewski, M., Heinrich, P.C., Kues, T., Luger, T.A., Schwarz, T. (2001)
Interleukin-6-resistant melanoma cells exhibit reduced activation of STAT3 and lack of inhibition of cyclin E-associated kinase activity
J. Invest. Derm. 117, 132-140 IPF 4.7
PMID:11442760

234. Kube, D., Holtick, U., Vockerodt, M., Ahmadi, T., Haier, B., Behrmann, I., Heinrich, P.C., Diehl, V., Tesch, H. (2001)
STAT3 is constitutively activated in Hodgkin cell lines
Blood 98, 762-770
PMID:11468177 IPF 9.2
235. Strobl, B., Arulampalam, V., Is'harc, H., Newman, S., Schlaak, J.F., Watling, D., Costa-Pereira, A.P., Schaper, F., Behrmann, I., Sheehan, K.C.F., Schreiber, R.D., Horn, F., Heinrich, P.C., Kerr, I. (2001)
A completely foreign receptor can mediate an Interferon- γ -like response
EMBO J. 20, 5431-5442 IPF 14.0
PMID:11574475
236. Bode, J.G., Ludwig, S., Correia Freitas, C.A., Schaper, F., Ruhl, M., Melmed, S., Heinrich, P.C., Häussinger, D. (2001)
The MKK6/p38 mitogen-activated protein kinase pathway is capable of inducing SOCS3 gene expression and inhibits IL-6-induced transcription
Biol. Chem. 382, 1447-1453 IPF 3.4
PMID:11727828
237. Terstegen, L., Gatsios, P., Ludwig, S., Pleschka, S., Jahnens-Dechent, W., Heinrich, P.C., Graeve, L. (2001)
The vesicular stomatitis virus matrix protein inhibits gp130-dependent STAT activation
J. Immunol. 167, 5209-5216 IPF 7.1
PMID:11673534
238. Haan, C., Is'Harc, H., Hermanns, H.M., Schmitz-Van de Leur, H., Kerr, I.M., Heinrich, P.C., Groetzinger, J., Behrmann, I. (2001)
Mapping of a region within the N-terminus of Jak1 involved in cytokine receptor interaction
J. Biol. Chem. 276, 37451-37458 IPF 7.2
PMID:11468294
239. Friederichs, K., Schmitz, J., Weissenbach, M., Heinrich, P.C., Schaper, F. (2001)
Interleukin-6-induced proliferation of pre-B-cells mediated by receptor complexes lacking the SHP2/SOCS3 recruitment sites revisited
Eur. J. Biochem. 268, 6401-6407 IPF 3.3
PMID:11737194
240. En-Nia A, Reisdorff J, Stefanidis I, Floege J, Heinrich PC, Mertens PR. (2002)
Mesangial cell gelatinase A synthesis is attenuated by oscillating hyperbaric pressure.
Biochem J. Mar 15;362(Pt 3):693-700.
PMID:11879197

2002

241. Haan, C., Heinrich, P.C., Behrmann, I. (2002)
Structural requirements of the interleukin-6 signal transducer gp130 for its interaction with Janus kinase 1: the receptor is crucial for kinase activation
Biochem. J. 361, 105-111. IPF 4.3
PMID:11742534
242. Bahrenberg, G., Behrmann, I., Barthel, A., Hekermann, P., Heinrich, P.C., Joost, H.-G., Becker, W. (2002)
Identification of the critical sequence elements in the cytoplasmic domain of leptin receptor isoforms required for JAK/STAT activation by receptor heterodimers
Mol. Endocrinol. 16, 859-872. IPF 6.7
PMID:1192348

243. Radtke, S., Hermanns, H.M., Haan, C., Schmitz-van de Leur, H., Gascan, H., Heinrich, P.C., Behrmann, I. (2002)
Novel role of Janus kinase 1 in the regulation of oncostatin M receptor surface expression
J. Biol. Chem. 277, 11297-11305. IPF 7.3
PMID:11786531
244. Timmermann, A., Küster, A., Kurth, I., Heinrich, P.C., Müller-Newen, G. (2002)
A functional role of the membrane-proximal extracellular domains of the signal transducer gp130 in heterodimerization with the leukemia inhibitory factor receptor
Eur. J. Biochem. 269, 2716-2726 IPF 2.8
PMID:12047380
245. Hörtner, M., Nielsch, U., Mayr, L.M., Heinrich, P.C., Haan, S. (2002)
A new high affinity binding site for suppressor of cytokine signaling-3 on the erythropoietin receptor
Eur. J. Biochem. 269, 2516-2526 IPF 2.8
PMID:12027890
246. Greiser, J.S., Stross, C., Heinrich, P.C., Behrmann, I., Hermanns, H.M. (2002)
Oriental constraints of the gp130 intracellular juxtamembrane domain for signaling
J. Biol. Chem. 277, 26959-26965 IPF 7.3
PMID:12011064
247. Hörtner, M., Nielsch, U., Mayr, L.M., Johnston, J.A., Heinrich, P.C., Haan, S. (2002)
Suppressor of cytokine signaling-3 is recruited to the granulocyte-colony stimulating factor receptor and modulates its signal transduction
J. Immunol. 169, 1219-1227 IPF 7.1
PMID:12133942
248. En-Nia A, Reisdorff J, Stefanidis I, Floege J, Heinrich PC, Mertens PR. (2002)
Mesangial cell gelatinase A synthesis is attenuated by oscillating hyperbaric pressure.
Biochem J. 362, 693-700 IPF 4.3
PMID:11879197

2003

249. Lehmann, U., Schmitz, J., Weissenbach, M., Hörtner, M., Friederichs, K., Behrmann, I., Schneider-Mergener, J., Yoshimura, A., Neel, B.G., Heinrich, P.C., Schaper, F. (2003)
SHP2 and SOCS3 contribute to Tyr-759-dependent attenuation of interleukin-6 signaling through gp130
J. Biol. Chem. 278, 661-671 IPF 7.2
PMID:12403768
250. Kortylewski, M., Feld, F., Krüger, K.-D., Bahrenberg, G., Roth, R.A., Joost, H.-G., Heinrich, P.C., Behrmann, I., Barthel, A. (2003)
Akt modulates STAT3-mediated gene expression through a FKHR (FOXO1a)-dependent mechanism
J. Biol. Chem. 278, 5242-5249 IPF 7.3
PMID:12456685
251. Niemand, C., Nimmessgern, A., Haan, S., Fischer, P., Schaper, F., Rossaint, R., Heinrich, P.C., Müller-Newen, G. (2003)
Activation of STAT3 by IL-6 and IL-10 in primary human macrophages is differentially modulated by SOCS3
J. Immunol. 170, 3263-3272 IPF 7.1
PMID:12626585

252. Bode, J.G., Ludwig, S., Erhardt, C., Erhardt, A., Albrecht, U., Schaper, F., Heinrich, P.C., Häussinger, D. (2003)
IFN- α antagonistic activity of HCV core protein involves induction of suppressor of cytokine signaling-3
FASEB J. 17(3), 488-90 IPF 9.2
PMID:12551851
253. Ancey, C., Küster, A., Haan, S., Herrmann, A., Heinrich, P.C., Müller-Newen, G. (2003)
A fusion protein of the gp130 and IL-6Ralpha ligand-binding domains acts as a potent IL-6 inhibitor
J. Biol. Chem. 278(19), 16968-72 IPF 7.3
PMID:12646580
254. Bode, J.G., Schweigart, J., Kehrmann, J., Ehlting, C., Schaper, F., Heinrich, P.C., Häussinger, D. (2003)
TNF- α induces tyrosine-phosphorylation and recruitment of SHP2 to the gp130 signal-transducing subunit of the IL-6 receptor complex
J. Immunol. 171, 257-266. IPF 7.1
PMID:12817006
255. Behrmann, I., Wallner, S., Komyod, W., Heinrich, P.C., Buettner, R., Bosserhoff, A.K. (2003)
Characterization of methylthioadenosin phosphorylase (MTAP) expression in malignant melanoma
Am. J. Pathol. 163, 683-690 IPF 7.1
PMID:12875987
256. Qing, M., Nimmesgern, A., Heinrich, P.C., Schumacher, K., Vazquez-Jimenez, J.F., Hess, J., von Bernuth, G., Seghaye, M.-C. (2003)
The intra-hepatic synthesis of tumor necrosis factor- α related to cardiac surgery is inhibited by interleukin-10 via the JAK/STAT pathway
Crit. Care Med. 31, 2769-2775 IPF 3.5
PMID:14668613
257. May, P., Schniertshauer, U., Gerhartz, C., Horn, F., Heinrich, PC. (2003)
STAT3 plays a major role in gp130-mediated acute phase protein gene activation
Acta Biochim. Pol. 50, 595-601 IPF 0.7
PMID:14515142
258. Klein, C., Wustefeld, T., Heinrich, P.C., Streetz, K.L., Manns, M.P., Trautwein, C. (2003)
ME3738 protects from concanavalin a induced liver failure via an IL-6-dependent mechanism
Eur. J. Immunol. 33, 2251-2261 IPF 5.0
PMID:12884300
259. Haan, S., Ferguson, P., Sommer U., Hiremath, M., McVicar, D., Heinrich, P.C., Johnston J.A., Cacalano, N. (2003)
Tyrosine phosphorylation disrupts elongin C interaction and accelerates the degradation of SOCS3
J. Biol. Chem. 278, 31972-31979. IPF 7.3
PMID:12783885
260. Giese, B., Au-Yeung, C.K., Herrmann, A., Diefenbach, S., Haan, C., Küster, A., Wortmann, S., Roderburg, C., Heinrich, P.C., Behrmann, I., Müller-Newen, G. (2003)
Long-term association of the cytokine receptor gp130 and the Janus kinase Jak1 revealed by FRAP analysis
J. Biol. Chem. 278, 39205-39213 IPF 7.3
PMID:12878601

2004

261. Herrmann, A., Sommer, U., Pranada, A., Giese, B., Küster, A., Haan, S., Becker, W., Heinrich, P.C., Müller-Newen, G. (2004)
STAT3 is enriched in nuclear bodies
J. Cell. Sci. 117, 339-349 IPF 7.3
PMID:14657276
262. Kortylewski, M., Kauffmann, M.-E., Bosserhoff, A., Heinrich, P.C., Behrmann, I. (2004)
IFN- γ -mediated growth regulation of melanoma cells: involvement of STAT1-dependent and -independent signals
J. Invest. Dermatol. 122, 414-422 IPF 4.2
PMID:15009724
263. Pranada, A.L., Metz, S., Herrmann, A., Heinrich, P.C., Müller-Newen, G. (2004)
Real-time analysis of STAT3 nucleocytoplasmic shuttling
J. Biol. Chem. 279, 15114-15123 IPF 6.5
PMID:14701810
264. Fischer, P., Lehmann, U., Sobota, R.M., Schmitz, J., Niemand, C., Linnemann, S., Haan, S., Behrmann, I., Yoshimura, A., Johnston, J.A., Müller-Newen, G., Heinrich, P.C., Schaper, F. (2004)
The role of the inhibitors of interleukin-6 signal transduction SHP2 and SOCS3 for desensitization of interleukin-6 signalling
Biochem. J. 378, 449-460 IPF 4.1
PMID:14611646
265. Buk D.M., Waibel M., Braig C., Martens A.S, Heinrich P.C., Graeve L. (2004)
Polarity and lipid raft association of the components of the ciliary neurotrophic factor receptor complex in Madin-Darby canine kidney cells.
J. Cell. Sci. 117, 2063-2075 IPF 7.3
PMID:15054106
266. Ritsch A., Ebenbichler C., Naschberger E., Schgoer W., Stanzl U., Dietrich H., Heinrich P.C., Saito K., Patsch J.R. (2004)
Phage-displayed recombinant single-chain antibody fragments with high affinity for cholesteryl ester transfer protein (CETP): cDNA cloning, characterization and CETP quantification.
Clin. Chem. Lab. Med. 42, 247-255 IPF 1.5
PMID:15080555
267. Kiessling, S., Müller-Newen, G., Leeb, S.N., Schlottmann, K., Grossmann, J., Montero-Julian, F.A., Schölmerich, J., Andus, T., Buschauer, A., Heinrich, P.C., Rogler, G. (2004)
Functional expression of the interleukin-11 receptor alpha-chain and evidence of anti-apoptotic effects in human colonic epithelial cells
J. Biol. Chem. 279, 10304-10315 IPF 6.5
PMID:14701802
268. Siewert, E., Dietrich, C.G., Lammert, F., Heinrich P.C., Matern, S., Gartung, C., Geier, A. (2004)
Interleukin-6 regulates hepatic transporters during acute-phase response
Biochem. Biophys. Res. Commun. 322, 232-238 IPF 2.8
PMID:15313196

269. Behrmann I., Smyczek T., Heinrich P.C., Schmitz-Van De Leur H., Komyod W., Giese B., Muller-Newen G., Haan S., Haan C. (2004)
Jak subcellular localisation revisited: The exclusive membrane-localisation of endogenous Janus kinase 1 by cytokine receptor interaction uncovers the Jak/receptor complex to be equivalent to a receptor tyrosine kinase
J. Biol. Chem. 279, 35486-35493 IPF 6.5
PMID:15123646
270. Classen-Linke, I., Müller-Newen, G., Heinrich, P.C., Beier, H.M, von Rango, U. (2004)
The cytokine receptor gp130and its soluble form are under hormonal control in human endometrium and decidua
Mol. Hum. Reprod. 10, 495-504 IPF 3.1
PMID:15133123
271. Dreuw, A., Radtke, S., Pflanz, S., Lippok, B.E., Heinrich, P.C., Hermanns, H.M. (2004)
Characterization of the signalling capacities of the novel gp130-like cytokine receptor
J. Biol. Chem. 279, 36112-36120 IPF 6.5
PMID:15194700
272. Weissenbach, M., Clahsen, T., Weber, C., Spitzer, D., Wirth, D., Vestweber, D., Heinrich, P.C., Schaper, F. (2004)
Interleukin-6 is a direct mediator of T-cell migration
Eur. J. Immunol., 34, 2895-2906 IPF 4.5
PMID:15368306
273. Stevenson, N.J., Haan, S., McClurg, A.E., McGrattan, M.J., Armstrong, M.A., Heinrich, P.C., Johnston, J.A. (2004)
The chemoattractants, IL-8 and formyl-methionyl-leucyl-phenylalanin, regulate granulocyte colony-stimulating factor signaling by inducing suppressor of cytokine signaling-1 expression.
J. Immunol., 173, 3243-3249 IPF 6.5
PMID:15322186
274. Selander, K.S., Li, L., Watson, L., Merrell, M., Dahmen, H., Heinrich, P.C., Müller-Newen, G., Harris, K.W. (2004)
Inhibition of gp130 signaling in breast cancer blocks constitutive activation of Stat3 and inhibits in vivo malignancy
Cancer Res., 64, 6924-6933 IPF 8.6
PMID:15466183
275. Zhao, L., Hart S., Chen, G. Jr., Melenhorst, J.J., Berie, B., Ernst, M., Stewart, C., Schaper, F., Heinrich, P.C., Ullrich, A., Robinson, G.W., Hennighausen, L. (2004)
Mammary gland remodeling depends on gp130 signaling through Stat3 and MAPK
J. Biol. Chem., 279, 44093-44100 IPF 6.5
PMID:15292206
276. von Rango, U., Alfer, J., Kertschanska, S., Kemp, B., Müller-Newen, G., Heinrich, P.C., Beier, H.M., Classen-Linke, I. (2004)
Interleukin-11 expression – its significance in eutopic and ectopic human implantation
Mol. Hum. Reprod., 10, 783-792 IPF 3.1
PMID:15465850

277. Yang, X.P., Albrecht, U., Zakowski, V., Sobota, R.M., Häussinger, D., Heinrich, P.C., Ludwig, S., Bode, J.G., Schaper, F. (2004)
Dual function of interleukin-1 β for the regulation of interleukin-6-induced suppressor of cytokine signaling 3 expression
J. Biol. Chem., 279, 45279-45289 IPF 6.5
PMID:15308667
- 2005**
278. Dreuw, A., Hermanns, HM., Heise, R., Joussen, S., Rodríguez, F., Marquardt, Y., Jugert, F., Merk, HF., Heinrich, PC., Baron, JM. (2005)
Interleukin-6-type cytokines upregulate expression of multidrug resistance-associated proteins in NHEK and dermal fibroblasts
J. Invest. Dermatol., 124, 28-37 IPF 4.2
PMID:15654950
279. Clahsen, T., Lehmann, U., Stross, C., Hermanns, H.M., Volkmer-Engert, R., Schneider-Mergener, J., Heinrich, P.C., Schaper, F. (2005)
The tyrosine 974 within the LIF-R-chain of the gp130/LIF-R heteromeric receptor complex mediates negative regulation of LIF signalling
Cell. Signal., 17, 559-569 IPF 5.2
PMID:15683731
280. Komyod, W., Bauer, UM., Heinrich, PC., Haan, S., Behrmann, I. (2005)
Are STATs arginine-methylated?
J. Biol. Chem., 280, 21700-21705 IPF 6.4
PMID:15826948
281. Radtke, S., Haan, S., Jörissen, A., Hermanns, HM., Diefenbach, S., Smyczek, T., Schmitz-Van de Leur, H., Heinrich, PC., Behrmann, I., Haan, C. (2005)
The Jak1 SH2 domain does not fulfill a classical SH2 function in Jak/STAT signaling but plays a structural role for receptor interaction and up-regulation of receptor surface expression
J. Biol. Chem., 280, 25760-25768 IPF 6.4
PMID:15894543
282. Sommer, U., Schmid, C., Sobota, R.M., Lehmann, U., Stevenson, N.J., Johnston, J.A., Schaper, F., Heinrich, P.C., Haan, S. (2005)
Mechanisms of SOCS3 phosphorylation upon IL-6 stimulation: Contributions of SRC- and receptor tyrosine kinases
J. Biol. Chem., 280, 31478-31488 IPF 6.4
PMID:16000307
283. Costa-Pereira, A.P., Hermanns, H.M., Is'harc, H., Williams, T.M., Watling, D., Arulampalam, V., Newman, S.J., Heinrich, P.C., Kerr, I.M. (2005)
Signalling through a mutant IFN- γ receptor
J. Immunol., 175, 5958-5965 IPF 6.5
PMID:16237089
284. Yang, X.P., Schaper, F., Teubner, A., Lammert, F., Heinrich, P.C., Matern, S., Siewert, E. (2005)
Interleukin-6 plays a crucial role in the hepatic expression of SOCS3 during acute inflammatory processes in vivo
J. Hepatol., 43, 704-710 IPF 5.3
PMID:16040151

285. Haan, S., Keller, J.F., Behrmann, I., Heinrich, P.C., Haan, C. (2005)
Multiple reasons for an inefficient STAT1 response upon IL-6-type cytokine stimulation
Cell. Signal., 17, 1542-1550
 PMID:15935617 IPF 5.2
286. Wellbrock, C., Weisser, C., Hassel, J.C., Fischer, P., Becker, J., Vetter, C.S., Behrmann, I., Kortylewski, M., Heinrich, P.C., Schartl, M. (2005)
STAT5 contributes to interferon resistance of melanoma cells
Current Biology, 15, 1629-1639 IPF 11.9
 PMID:16169484
287. Giese, B., Roderburg, C., Sommerauer, M., Wortmann, S.B., Heinrich P.C., Müller-Newen, G. (2005)
Dimerization of the cytokine receptors gp 130 and LIFR analysed in single cells
J. Cell Sci., 118, 5129-5140 IPF 6.9
 PMID:16254248
288. Deutscher; N., Bataille, F., Hausmann, M. Kiessling, S., Müller-Newen, G., Leeb, SN., Herfarth, H., Heinrich, PC., Scholmerich, J., Rogler, G. (2005)
Functional expression of the interleukin-11 receptor alpha-chain in normal colonic epithelium and colon cancer.
Int. J. Colorectal Dis, 21, 573-581 IPF 1.6
 PMID:16292518

2006

289. Böing, I., Stross, C., Radtke, S., Lippok, BE., Heinrich, PC., Hermanns, HM. (2006)
Oncostatin M-induced activation of stress-activated Map kinases depends on tyrosine 861 in the OSM receptor and requires JAK1 but not Src kinases
Cell Signal, 18, 50-61 IPF 5.2
 PMID:15935618
290. Lehmann, U., Sommer, U., Smyczek, T., Hörtner, M., Frisch, W., Volkmer-Engert, R., Heinrich, PC., Schaper, F., Haan, S. (2006)
Determinants governing the potency of STAT3 activation via the individual STAT3-recruiting motifs of gp130
Cell Signal, 18, 40-49 IPF 5.2
 PMID:15927449
291. Radtke S., Jörissen A., Schmitz-Van de Leur H., Heinrich PC., Behrmann I. (2006)
Three dileucine-like motifs within the interbox1/2 region of the human oncostatin M receptor prevent efficient surface expression in absence of an associated Janus kinase.
J Biol Chem., 281, 4024-4034 IPF 6.4
 PMID:16286453
292. Stroß, C., Radtke, S., Clahsen, T., Gerlach, C., Volkmer-Engert, R., Schaper, F., Heinrich, PC., Hermanns, HM. (2006)
Oncostatin M receptor-mediated signal transduction is negatively regulated by suppressor of cytokine signaling (SOCS) 3 through a receptor tyrosine-independent mechanism
J Biol Chem., 281, 8458-8468 IPF 6.4
 PMID:16459330

293. Neis, MM., Peters, B., Dreuw, A., Wenzel, J., Bieber, T., Mauch, C., Krieg, T., Stanzel, S., Heinrich PC., Merk, HF., Bosio, A., Baron, JM., Hermanns, HM. (2006)
Enhanced expression levels of interleukin-31 correlate with interleukin-4 and -13 in atopic and allergic contact dermatitis
J Allergy Clin Immunol, 118, 930-937 IPF 7.7
PMID:17030248

2007

294. Metz, S., Wiesinger, M., Vogt, M., Lauks, H., Schmalzing, G., Heinrich, PC., Müller-Newen, G. (2007)
Characterization of the interleukin-6 inhibitor IL-6-RFP: Fused receptor domains act as high-affinity cytokine-binding proteins
J. Biol. Chem., 282, 1238-1248 IPF 5.9
PMID: 17085445
295. Ehlting, C., Lai, WS., Schaper, F., Brenndörfer, ED., Matthes, RJ., Heinrich, PC., Ludwig, S., Blackshear, PJ., Gaestel, M., Häussinger, D., Bode, JG. (2007)
Regulation of suppressor of cytokine signaling 3 mRNA stability by TNF-alpha involves activation of the MKK6/p38MAPK/MK2 cascade
J. Immunol., 178, 2813-26 IPF 6.4
PMID: 17312125
296. Komyod, W., Böhm, M., Metze, D., Heinrich, PC., Behrmann, I. (2007)
Constitutive suppressor of cytokine signaling 3 expression confers a growth advantage to a human melanoma cell line
Molecular Cancer Research, 5, 271-81 IPF 5.4
PMID:17374732
297. Herrmann, A., Vogt, M., Mönnigmann, M., Clahsen, T., Sommer, U., Haan, S., Poli, V., Heinrich, PC., Müller-Newen, G. (2007)
Nucleocytoplasmic shuttling of persistently activated STAT3
J. Cell Sci., 120, 3249-3261 IPF 6.9
PMID:17726064
298. Albrecht, U., Yang, X., Asselta, R., Keitel, V., Tenchini, ML., Ludwig, S., Heinrich, PC., Häussinger, D., Schaper, F., Bode, JG. (2007)
Activation of NF-kappaB by IL-1 β blocks interleukin-6-induced sustained STAT3 activation and STAT3-dependent gene expression of the human gamma-fibrinogen gene
Cell Signal, 19, 1866 - 1878
PMID:17543500
299. Kreis, S., Munz, GA., Haan, S., Heinrich, PC., Behrmann, I. (2007)
Cell density-dependent increase in constitutive STAT3 activity in melanoma cells is mediated by Janus kinases
Mol. Cancer Res., 5, 1331-1341
PMID:18171991

2008

300. Haan, S., Margue, C., Engrand, A., Rolvering, C., Schmitz-van-de-Leur, H., Heinrich, PC., Behrmann, I., Haan, C. (2008)
Dual role of the Jak1 FERM- and kinase-domains in cytokine receptor binding and in stimulation-dependent Jak activation
J Immunol, 180, 998-1007
PMID:18178840

301. Sobota, RM., Müller, PJ., Heinrich, PC., Schaper, F. (2008)
Prostaglandin E1 inhibits IL-6-induced MCP-1 expression by interfering specifically in IL-6-dependent ERK1/2- but not STAT3 activation
Biochem J, 412, 65-72
PMID:18271757
302. Metz, S., Naeth, G., Heinrich, PC. Müller-Newen, G. (2008)
Novel inhibitors for murine and human leukemia inhibitory factor based on fused soluble receptors
J Biol Chem, 283, 5985-5995
PMID:18174171
303. Hintzen, C., Evers, C., Lippok, BE., Volkmer, R., Heinrich, PC., Radtke, S., Hermanns, HM. (2008)
BOX2 region of the oncostatin M receptor determines specificity for recruitment of Janus kinases and STAT5 activation
J Biol Chem, 283, 19465-19477
PMID:18430728
304. Sobota, RM., Müller, PJ., Khouri, C., Ullrich, A. Poli, V., Noguchi, T., Heinrich, PC, Schaper, F. (2008)
SHPS-1/SIRP1alpha contributes to interleukin-6 signalling
Cell Signal., 20, 1385-1391
PMID:18450421
305. Heise, R., Neis, MM., Marquardt, Y., Joussen, S., Dreuw, A., Heinrich, PC., Merk, HF., Hermanns, HM., Baron, JM. (2008)
IL-31 receptor alpha expression in epidermal keratinocytes is modulated by cell differentiation and interferon-gamma
J Invest Dermatol, 2008 June 26 [Epub ahead of print]
PMID:18580959
306. Hintzen, C., Haan, C., Tuckermann, JP., Heinrich, PC., Hermanns, HM. (2008)
Oncostatin M-induced and constitutive activation of the JAK2/STAT5/CIS pathway suppresses CCL1, but not CCL7 and CCL8, chemokine expression
J. Immunol., 181, 7341-7349
PMID:18981157

2009

307. Hintzen, C., Quaiser, S., Pap, T., Heinrich, PC., Hermanns, H. (2009)
Induction of CCL13 expression in synovial fibroblasts underlines the significant role of oncostatin M in rheumatoid arthritis
Arthritis and Rheumatism, 60, 1932-1943
PMID:19565514
308. Wiesinger, MY., Haan, S., Wueller, S., Kauffmann, M-E., Recker, T., Kuester, A., Heinrich, PC., Müller- Newen, G. (2009)
Development of an IL-6 inhibitor based on the functional analysis of murine IL-6Ralpha
Chemistry and Biology, 16, 783-794
PMID:19635415
309. Bender, H., Wiesinger, MY., Nordhoff, C., Schoenherr, C., Ludwig, S., Weiskirchen, R., Kato, N., Heinrich, PC., Haan, S. (2009)
Interleukin-27 displays interferon-gamma-like functions in human hepatoma cells and hepatocytes
Hepatology, 50, 585-591
PMID:19582813

310. Haan, C., Kroy, DC., Wueller, S., Sommer, U., Nöcker, T., Rolvering, C., Behrmann, I., Heinrich, PC. and Haan, S. (2009)
An unusual insertion in Janus kinase 2 is crucial for kinase activity and differentially affects cytokine responses
J. Immunol., 182, 2969-2977
PMID:19234192

2010

311. Radtke, S., , Wueller, S., Yang, XP., Lippok, BE., Mütze, B., Mais, C., Schmitz-van-de-Leur, H., Bode, JG., Gaestel, M., Heinrich, PC., Behrmann, I., Schaper, F., Hermanns, HM. (2010)
Cross- Regulation of Cytokine signalling: Pro- inflammatory cytokines restrict through receptor internalisation and degradation
J. Cell Sci., 123, 947-959
PMID:20200229

Reviews

- R1. Heinrich, P.C., Holzer, H. (1975)
Regulationsmechanismen von Enzymen des Kohlenhydratstoffwechsels
Int. Symp. über Zucker und Zuckeraustauschstoffe, München 1974
Nutr. Metabol. 18 (Suppl. 1), 13-29
PMID:170565
- R2. Heinrich, P.C., Gross, V., Northemann, W., Scheurlen, M. (1978)
The structure and function of nuclear ribonucleoprotein complexes
Rev. Physiol. Biochem. Pharmacol. 81, 101-134
PMID:347552
- R3. Holzer, H., Heinrich, P.C. (1980)
Control of proteolysis
Ann. Rev. Biochem. 49, 63-91
PMID:6996569
- R4. Heinrich, P.C. (1982)
Proteolytic processing of polypeptides during the biosynthesis of subcellular structures
Rev. Physiol. Biochem. Pharmacol. 93, 116-187
PMID:7048487
- R5. Andus, T., Castell, J.V., Heinrich, P.C. (1989)
Interleukin-6 and the acute phase response
Experimental Medicine 7, 37-43
- R6. Andus, T., Heinrich, P.C., Castell, J.V., Gerok, W. (1989)
Interleukin-6: Ein Schlüsselhormon der Akutphase-Reaktion
Deutsche Medizinische Wochenschrift 44, 1710-1716
PMID:2509187
- R7. Heinrich, P.C., Castell, J.V., Andus, T. (1990)
Interleukin-6 and the acute phase response
Biochem. J. 265, 621-636
PMID:1689567
- R8. Andus, T., Gerok, W., Heinrich, P.C. (1990)
Interleukin-6 and protein metabolism
Nutrition Clin. Metabolism 4, 39-58
- R9. Gerok, W., Blum, H.E., Offensperger, W., Andus, T., Gross, V., Heinrich, P.C. (1991)
Hepatologie: Neue Forschungsergebnisse in ihrer Bedeutung für das Verständnis von Leberkrankheiten
Naturwissenschaften 78, 241-249
PMID:1717853
- R10. Graeve, L., Baumann, M., Heinrich, P.C. (1993)
Interleukin-6 in autoimmune diseases
The Clinical Investigator 71, 664-671
PMID:8219666

- R11. Rose-John, S., Heinrich, P.C. (1994)
Soluble receptors for cytokines and growth factors: Generation and biological function
Biochem. J. 300, 281-290
PMID:8002928
- R12. Müller-Newen, G., Köhne, C., Heinrich, PC. (1996)
Soluble receptors for cytokines and growth factors
Int. Arch. Allergy Immunol. 111, 99-106
PMID:8859217
- R13. Heinrich, P.C., Behrmann, I., Müller-Newen, G., Schaper, F., Graeve, L. (1998)
IL-6-type cytokine signalling through the gp130/Jak/STAT pathway
Biochem. J. 334, 297-314
PMID:9716487
- R14. Kortylewski, M., Heinrich, P.C., Mackiewicz, A., Behrmann, I. (2001)
Cytokine-mediated growth inhibition of human melanoma cells
Adv. Exp. Med. Biol. 495, 169-72.
PMID:11774562
- R15. Heinrich, P.C., Behrmann, I., Haan, S., Hermanns, H.M., Müller-Newen, G., Schaper, F. (2003)
Principles of IL-6-type cytokine signalling and its regulation
Biochem. J. 374, 1-20
PMID:12773095
- R16. Müller-Newen, G., Haan, S., Heinrich, PC. (2003)
Fusionierte lösliche Rezeptoren als hochaktive Zytokin-Inhibitoren
Biospektrum, Sonderausgabe, Spektrum Akademischer Verlag GmbH, 9. Jg, 480-483
- R17. Hermanns, H.M., Müller-Newen, G., Heinrich, P.C., Haan, S. (2005)
Bow to your partner for signaling
Nat. Struct. Mol. Biol., 12, 476-478
PMID:15933731
- R18. Bode J.G., Albrecht U., Häussinger D., Heinrich P.C., Schaper F. (2011)
Hepatic acute phase proteins – regulation by IL-6- and IL-1-type cytokines involving STAT3 and its crosstalk with NF-κB-dependent signalling
Eur. J. Cell Biol., 91, 496-505
PMID:22093287

Book chapters/ proceedings

- H1. Holzer, H., Mecke, D., Liess, K., Heilmeyer, L., Ebner, E., Gancedo, C., Schutt, H., Battig, F.A., Heinrich, P.C., Wolf, D. (1970)
Enzyme-catalyzed chemical modification of glutamine synthetase from E.coli
In: **Metabolic Regulation and Enzyme Action** (A. Sols and S. Grisola, eds.) Vol. 19, pp. 171-177, Academic Press, London, New York
- H2. Holzer, H., Schutt, H., Heinrich, P.C. (1972)
Inactivation of glutamine synthetase in intact E.coli cells
In: **Metabolic Interconversion of Enzymes** (O. Wieland, E. Helmreich, H. Holzer, eds.), pp. 245-252, Springer Verlag
- H3. Weber, G., Trevisani, A., Heinrich, P.C. (1974)
Operation of pleiotropic control in hormonal regulation and in neoplasia
Adv. Enzyme Regul. 12, 11-41
PMID:4376891
- H4. Heinrich, P.C. (1975)
Coenzyme-Apoenzyme Interactions: Studies on the binding of thiamine diphosphate to apotransketolase
In: **Environmental Effects on Molecular Structure and Properties** (B. Pullmann, ed.), pp. 485-503, D. Reidel Publishing Company, Dordrecht
- H5. Heinrich, P.C., Haas, R., Sasse, D. (1979)
Localization and some properties of a proteinase and a carboxypeptidase from rat liver
In: **30th Mosbacher Colloquium on Biological Functions of Proteinases** (H. Holzer and H. Tschesche, eds.), pp. 120-127
- H6. Heinrich, P.C., Schmelzer, E., Nagasawa, T. (1981)
Precursor processing in the biosynthesis of rat liver cytochrome c oxidase
In: **Metabolic Interconversion of Enzymes** (O. Wieland, E. Helmreich, H. Holzer, eds.), pp. 228-238, Springer Verlag, Heidelberg
- H7. Heinrich, P.C., Northemann, W., Schmelzer, E. (1981)
Proteolytic precursor processing in the biosynthesis of mitochondria
Acta Biol. Med. Germ. 40, 1451-1463
PMID:6123210
- H8. Heinrich, P.C., Schmelzer, E., Northemann, W., Kaiser, C., Witt, I. (1982)
Rat liver cytochrome c oxidase subunits IV and V: Cell-free synthesis as larger molecular weight precursors, mRNA sizes and sites of synthesis
In: **Cell Function and Differentiation**, Part B, pp. 149-159, Alan R. Liss, Inc., New York
PMID:6187019
- H9. Andus, T., Gross, V., Northemann, W., Tran-Thi, T.-A., Heinrich, P.C. (1983)
Rat plasma inhibitors: The biosynthesis of α_1 -proteinase inhibitor and α_2 -macroglobulin
In: **Proteinase Inhibitors: Medical and Biological Aspects** (N. Katunuma, H. Holzer, H. Umezawa, eds.), pp. 243-250, Japan Sci. Soc. Tokyo, Springer Verlag, Berlin

- H10. Schneider, K., Northemann, W., Schmelzer, E., Gross, V., Heinrich, P.C. (1983)
Immunological methods for the detection of proteins synthesized in rat hepatocytes, in cell-free systems, and in E.coli transformed with recombinant DNA
In: **Modern Methods in Protein Chemistry** (H. Tschesche, ed.), pp. 163-185, Walter de Gruyter, Berlin - New York
- H11. Northemann, W., Heisig, M., Kunz, D., Bauer, J., Birmelin, M., Tran-Thi, T.-A., Decker, K., Heinrich, P.C. (1985)
Biosynthesis of rat α_2 -macroglobulin
Biochem. Soc. Transact. 13, 285-288
PMID:2410311
- H12. Northemann, W., Heisig, M., Kunz, D., Hanson, R.W., Heinrich, P.C. (1985)
Regulation of rat α_2 -macroglobulin gene activity
In: **Protides of the Biological Fluids** (H. Peeters, ed.) Colloquium 33, pp. 165-168, Pergamon Press, New York
- H13. Gross, V., Geiger, T., Tran-Thi, T.-A., Heinrich, P.C. (1986)
Biosynthesis and secretion of the proteinase inhibitor α_1 -antitrypsin in hepatocyte primary cultures
Ciência Biológica (Portugal) Vol. 11, pp. 55-60
- H14. Steube, K., Andus, T., Gross, V., Weber, W., Tran-Thi, T.-A., Heinrich, P.C. (1986)
The effect of glycosylation of α_1 -antitrypsin on its biological activity and clearance from rat plasma
Ciência Biológica (Portugal) Vol. 11, pp. 61-67
- H15. Heisig, M., Geiger, T., Andus, T., Northemann, W., Kunz, D., Heinrich, P.C. (1986)
Regulation of α_2 -macroglobulin during acute inflammation
Ciência Biológica (Portugal) Vol. 11, pp. 69-74
- H16. Geiger, T., Andus, T., Kunz, D., Heisig, M., Northoff, H., Bauer, J., Tran-Thi, T.-A., Decker, K., Heinrich, P.C. (1987)
Induction of acute-phase protein synthesis: Studies on the regulation of rat α_2 -macroglobulin in vivo and in hepatocyte primary cultures
In: **Modulation of Liver Cell Expression** (W. Reutter, P.C. Heinrich, H. Popper, D. Keppler, I.M. Arias, L. Landmann, eds.), pp. 343-355, MTP Press Limited, Lancaster, Boston, The Hague, Dordrecht
- H17. Northoff, H., Andus, T., Geiger, T., Bauer, J., Männel, D., Hirano, T., Kishimoto, T., Heinrich, P.C. (1988)
Induction of the acute-phase response in rat hepatocyte/hepatoma cells: Effects of different mediators
In: **Monokines and other non-lymphocytic cytokines** (M.C. Powanda, J.J. Oppenheim, M.J. Kluger, C.A. Dinarello, eds.), pp. 35-38, Alan R. Liss, New York
- H18. Kishimoto, T., Hirano, T., Taga, T., Yamazaki, K., Matsuda, T., Tang, B., Muraguchi, A., Horii, Y., Kawanishi, Y., Hirata, Y., Yawata, Y., Yasukawa, K., Watanabe, Y., Shimizu, M., Heinrich, P.C., Kawano, M. (1988)
A new cytokine, BSF2/IL-6 and its receptor
In: **B Cell Development**, pp. 157-171, Alan R. Liss, New York

- H19. Gross, V., Steube, K., Tran-Thi, T.-A., Gerok, W., Heinrich, P.C. (1988)
Role of N-glycosylation for the plasma clearance of rat liver secretory glycoproteins
Biochem. Soc. Transactions 17, 21-23
PMID:2469608
- H20. Geiger, T., Andus, T., Kunz, D., Heisig, M., Bauer, J., Northoff, N., Gauthier, F., Tran-Thi, T.-A., Decker, K., Heinrich, P.C. (1988)
Regulation of proteinase activity by high molecular weight inhibitors: Biosynthesis of rat α -macroglobulins
In: **Advances in Experimental Medicine and Biology 240; Proteases II: Potential Role in Health and Disease** (W.H. Hörl, A. Heidland, eds.), pp. 183-190. Plenum Press, New York and London
PMID:2469303
- H21. Andus, T., Northoff, H., Bauer, J., Ganter, U., Männel, D., Tran-Thi, T.-A., Decker, K., Heinrich, P.C. (1988)
Induction of the proteinase inhibitor α_2 -macroglobulin in rat hepatocytes by a monocyte-derived factor
Advances in Experimental Medicine and Biology 240; Proteases II: Potential Role in Health and Disease (W.H. Hörl, A. Heidland, eds.), pp. 191-198. Plenum Press, New York and London
PMID: 2469304
- H22. Heinrich, P.C. (1988)
Obituary Tsunehiko Katsunuma (1935 - 1987)
Tokai J. Exp. Clin. Med. 13, 253
- H23. Andus, T., Geiger, T., Klapproth, J., Kunz, D., Heisig, M., Castell, J., Heinrich, P.C. (1988)
Regulation of rat α_2 -macroglobulin gene expression by interleukin-6 (BSF-2/HSF)
Proceedings of the Symposium "Biology of Acute Phase Reactant Proteins", Tokai University European Center, Copenhagen, 17. - 18. März 1988
Tokai J. Exp. Clin. Med. 13, 265-276
PMID:2483766
- H24. Gross, V., Steube, K., Tran-Thi, T.-A., Weber, W., Häussinger, D., Decker, K., Gerok, W., Heinrich, P.C. (1989)
Effect of swainsonine on the glycosylation, secretion, function and plasma half-life of rat α_1 -antitrypsin
Swainsonine and Related Glycosidase Inhibitors (L.F. James, A.D. Elbein, R.J. Molyneux, C.D. Warren, eds.), pp. 231-243. Iowa State University Press, Ames
- H25. Castell, J.V., Andus, T., Geiger, T., Gomez-Lechon, M., David, M., Klapproth, J., Hirano, T., Kishimoto, T., Heinrich, P.C. (1989)
Interleukin-6 is the major regulator of acute phase protein synthesis in rat and man
Adv. in Immunopharmacology 4 (J.W. Hadden, F. Spreafico, Y. Yamamura, K.F. Austen, P. Dukor, K. Masek, eds.), pp. 191-201. Pergamon Press, Oxford, New York
- H26. Castell, J.V., Andus, T., Kunz, D., Heinrich, P.C. (1989)
Interleukin-6: The major regulator of acute phase protein synthesis in man and rat
Ann. N.Y. Acad. Sci. USA 557, 87-101
PMID:2472097

- H27. Gross, V., Heinrich, P.C., vom Berg, D., Steube, K., Tran-Thi, T.-A., Decker, K., Gerok, W. (1989)
Circulatory life time and organ distribution of differently glycosylated forms (unglycosylated, high-mannose type, hybride type, complex type) of rat alpha-1-acid glycoprotein
Alpha1-Acid Glycoprotein: Genetics, Biochemistry, Physiological Functions, and Pharmacology (P. Baumann, C.B. Eap, W.E. Müller, J.-P. Tillement, eds.), pp. 231-234. Alan R. Liss, Inc., New York
PMID:2780631
- H28. Heinrich, P.C., Dufhues, G., Flohe, S., Horn, F., Krause, E., Krüttgen, A., Legres, L., Lenz, D., Lütticken, C., Schooltink, H., Stoyan, T., Conradt, H.S., Rose-John, S. (1991)
Interleukin-6, its hepatic receptor and the acute phase response of the liver
42nd Mosbacher Colloquium on "Molecular Aspects of Inflammation" (H. Sies, L. Flohé, G. Zimmer, eds) pp. 129-145 Springer-Verlag, Berlin - Heidelberg - New York
- H29. Krause, E., Wegenka, U., Möller, C., Horn, F., Heinrich, P.C. (1992)
Gene expression of the high molecular weight proteinase inhibitor α_2 -macroglobulin
IIIrd International Symposium on "Proteinase inhibitors and biological control", Brdo, Slovenia, Yugoslavia, 23. - 27. Juni 1991
Biol. Chem. Hoppe-Seyler, **373**, 509-515
PMID:1381187
- H30. Heinrich, P.C., Dufhues, G., Graeve, L., Krüttgen, A., Pietzko, D., Mackiewicz, A., Lütticken, C., Schooltink, H., Stoyan, T., van Dam, M., Zohlnhöfer, D., Rose-John, S. (1992)
Studies on the structure and function of IL-6 and its hepatic receptor
IL-6: Physiopathology and clinical potentials (M. Revel, ed.), Serono Symposia Publications 88, pp. 63-74, Raven Press, New York
- H31. Kordula, T., Rose-John, S., Heinrich, P.C., Koj, A. (1992)
Interferon- β regulates α_2 -macroglobulin and α_1 -antichymotrypsin expression on the pretranslational level in HepG2 cells
Folia Histochem. Cytophiol. 30, 147-150
PMID:1284664
- H32. Heinrich, P.C., Rose-John, S. (1993)
Interleukin-6
The Natural Immune System: Humoral Factors
Oxford University Press, (E. Sim ed.), pp. 47-63
- H33. Rose-John, S., Heinrich, P.C. (1993)
Interleukin-6-receptor
Acute phase proteins: Molecular Biology, Biochemistry, Clinical Application
(Mackiewicz, A., Kushner, I., and Baumann, H., eds.), CRC Press, Boca Raton, pp. 343-361
- H34. Horn, F., Wegenka, U.M., Heinrich, P.C., (1993)
Regulation of the α_2 -macroglobulin gene
Acute phase proteins: Molecular Biology, Biochemistry, Clinical Application
(Mackiewicz, A., Kushner, I., and Baumann, H., eds.), CRC Press, Boca Raton, pp. 443-465
- H35. Legrès, L.G., Pochon, F., Baray, M., Heinrich, P.C., Delain, E. (1994)
Human α_2 -macroglobulin as a cytokine-binding plasma protein. A study with rh-interleukin-1 β and rh-interleukin-6
Ann. N.Y. Acad. Sci. USA 737, 439-443
PMID:7524417

- H36. Horn, F., Wegenka, U.M., Lütticken, C., Yuan, J., Roeb, E., Boers, W., Buschmann, J., Heinrich, P.C. (1994)
Regulation of α_2 -macroglobulin gene expression by interleukin-6. Biology of α_2 -macroglobulin, its receptor, and related proteins
Ann. N.Y. Acad. Sci. USA 737, 308-323
PMID:7524404
- H37. Weis, J., Krüttgen, A., Thier, M., Simon, R., Schröder, J.M., Heinrich, P.C., Rose-John, S. (1995)
Struktur-Funktions-Analyse von CNTF: Verwandtschaft mit IL-6
67. Jahrestagung der Deutschen Gesellschaft für Neurologie,
Verhandlungen der Deutschen Gesellschaft für Neurologie 8, Metabolische Erkrankungen des ZNS, 46-48
- H38. Horn, F., Lütticken, C., Wegenka, U., Yuan, J., Heinrich, P.C. (1995)
L-6 signal transduction from the plasma membrane to the nucleus
Falk Symposium No. 78 on "Cytokines and the liver", 14-28
(W. Gerok, K. Decker, T. Andus, V. Gross eds.) Kluwer Academic Publishers, London
- H39. Heinrich, P.C., Graeve, L., Rose-John, S., Schneider-Mergener, J., Dittrich, E., Erren, A., Gerhartz, C., Hemmann, U., Lütticken, C., Wegenka, U., Weiergräber, O., Horn, F. (1995)
Membrane-bound and soluble interleukin-6 receptor: Studies on structure, regulation of expression, and signal transduction
Ann. N.Y. Acad. Sci. USA 762, 222-237
PMID:7545364
- H40. Mackiewicz, A., Wiznerowicz, M., Roeb, E., Nowak, J., Pawłowski, T., Baumann, H., Heinrich, P.C., Rose-John, S. (1995)
Interleukin-6-type cytokines and their receptors for gene therapy of melanoma
Ann. N.Y. Acad. Sci. USA 762, 361-374
PMID:7668537
- H41. Dittrich, E., Gerhartz, C., Rose-John, S., Müllberg, J., Stoyan, T., Heinrich, P.C., Graeve, L. (1995)
A region within the cytoplasmic domain of the interleukin-6 signal transducer gp130 important for ligand-induced endocytosis of the IL-6 receptor
Ann. N.Y. Acad. Sci. USA 762, 410-412
PMID:7668544
- H42. Heinrich, P.C., Graeve, L. (1995)
Definition und Eigenschaften inflammatorischer Zytokine
Entzündung (Grundlagen - Klinik - Therapie)
Ullstein Mosby, (R. Dargel ed.), 70
- H43. Heinrich, P.C., Graeve, L. (1995)
Interleukin-1 (IL-1)
Entzündung (Grundlagen - Klinik - Therapie)
Ullstein Mosby, (R. Dargel ed.), 70-73
- H44. Heinrich, P.C., Graeve, L. (1995)
Interleukin-6 (IL-6)
Entzündung (Grundlagen - Klinik - Therapie)
Ullstein Mosby, (R. Dargel ed.), 73-75

- H45. Heinrich, P.C., Graeve, L. (1995)
Interleukin-8 (IL-8)
Entzündung (Grundlagen - Klinik - Therapie)
Ullstein Mosby, (R. Dargel ed.), 75
- H46. Heinrich, P.C., Graeve, L. (1995)
Interferon- γ
Entzündung (Grundlagen - Klinik - Therapie)
Ullstein Mosby, (R. Dargel ed.), 76-77
- H47. Heinrich, P.C., Graeve, L. (1995)
Transforming Growth Factor β
Entzündung (Grundlagen - Klinik - Therapie)
Ullstein Mosby, (R. Dargel ed.), 77-83
- H48. Müller-Newen, G., Köhne, C., Weiergräber, O. Küster, A., Jakobs, S., Rose-John, S., Brem, G., Kluge, R., Heinrich, P.C. (1995)
Studien zur physiologischen Funktion des löslichen Interleukin-6-Rezeptors
Versuchstiere - Qualitätssicherung in Humanmedizin und biologischer Forschung
(Hrsg. W. Küpper)
33. Wissenschaftliche Tagung der Gesellschaft für Versuchstierkunde GV-SOLAS
Medizin. Fakultät der RWTH Aachen, 11. - 14. September 1995
- H49. 4h (15:00-19:00) *JAKs, STATs and signal transduction in response to the interferons and other cytokines*
Phil. Trans. R. Soc. Lond. B 351, 167-171
PMID:8650263
- H50. Mackiewicz, A., Kapcinska, M., Laciak, M., Malicki, J., Murawa, P., Nowak, J., Sibilska, E., Wiznerowicz, M., Breborowicz, D., Lange, A., Hawley, R.G., HEINRICH, P.C., ROSE-JOHN, S. (1996)
Human Melanoma gene therapy: from animal studies to clinical trials
biotechnologia
Polish - Japan Issue 4 (35) 1996, 42-54
- H51. Nowak, J., Januszkevicz, D., Kowalczyk, D., Mazurek, J., Laciak, M., Malicki, J., Murawa, P., Wiznerowicz, M., Heinrich, P.C., Rose-John, S., Mackiewicz, A. (1996)
Immune response against genetically modified tumour cells
biotechnologia
Polish - Japan Issue 4 (35) 1996, 55-67
- H52. Heinrich, P.C., Horn, F., Graeve, L., Dittrich, E., Kerr, I., Müller-Newen, G., Grötzinger, J., Wollmer, A. (1998)
Interleukin-6 and related cytokines: Effect on the acute phase reaction
Proceedings of the Annual Meeting of the European Academy of Nutritional Sciences
(EANS): "Frontiers in Nutrition Research"
Z Ernährungswiss 37, 43-49
PMID: 9558728
- H53. Heinrich, P.C., Behrmann, I., Graeve, L., Grötzinger, J., Haan, S., Horn, F., Horsten, U., Kerr, I., May, P., Müller-Newen, G., Terstegen, L., Thiel, S. (1998)
Molekulare Mechanismen der Entzündung: Signaltransduktion von Interleukin-6-Typ-Zytokinen über den Jak/STAT-Weg
Nieren- und Hochdruckkrankheiten 3, 123-131

- H54. Heinrich, P.C., Behrmann, I., Graeve, L., Grötzingen, J., Haan, S., Horn, F., Horsten, U., Kerr, I., May, P., Müller-Newen, G., Schaper, F., Terstegen, L., Thiel, S. (1998)
The acute-phase response of the liver: molecular mechanism of IL-6 signalling from the plasma membrane to the nucleus
Proceedings of the International Falk Workshop (Part IV of the Liver Week Freiburg 1997)
 Kluwer Academic Publishers, (D. Häussinger/P.C. Heinrich eds.), 55-71
- H55. Martens, A., Heinrich, P.C. (1998)
Molekulare Mechanismen der Entzündung - Molecular mechanism of inflammation
BIOforum 11/98 21, 684-688
- H56. Müller-Newen, G., Timmermann, A., Küster, A., Heinrich, P.C., Nothdurft, L., Buse, G., Steffens, G.C.M. (1999)
Biologische Funktionalisierung der Oberfläche degradierbarer Biomaterialien durch kovalente Kopplung von Proteinen
Werkstoffwoche '98, Band IV, Symposium 4: Werkstoffe für die Medizintechnik
 (Hrsg.: H. Planck u. H. Stallforth), pp. 167-170
- H57. Heinrich, P.C., Behrmann, I., Bode, J.G., Gatsios, P., Graeve, L., Hermanns, H., Müller-Newen, G., Nimmesgern, A., Pflanz, S., Radtke, S., Schaper, F., Schmitz, J., Siewert, E., Terstegen, L., Thiel, S., Weissenbach, M. (2000)
Termination and modulation of IL-6-type cytokine signalling through the gp130/Jak/STAT pathway
Falk Symposium No. 113 on "Cytokines and cell homeostasis in the gastrointestinal tract", 206-228 (eds.: Andus, T., Rogler, G., Schlottmann, K., Frick, E., Adler, G., Zeitz, M., Schmiegel, W., Schölmerich J.) Kluwer Academic Publishers, London
- H58. Heinrich, P.C., Bode, H., Decker, M., Graeve, L., Martens, A., Müller-Newen, G., Pflanz, S., Schaper, F., Schmitz J. (2001)
Termination and modulation of IL-6-type cytokine signaling
"Progress in Basic and Clinical Immunology", pp 153-160, (A. Mackiewicz et al. eds),
 Book series: ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY: Volume 495
 Kluwer Academic/Plenum Publishers, New York
 PMID:11774560
- H59. Kortylewski, M., Heinrich, P.C., Mackiewicz, A., Behrmann, I. (2001)
Cytokine-mediated growth inhibition of human melanoma cells.
"Progress in Basic and Clinical Immunology", pp. 169-172, (A. Mackiewicz et al. eds),
 Book series: ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY: Volume 495
 Kluwer Academic/Plenum Publishers, New York
 PMID:11774562
- H60. Bode, J.G., Heinrich, P.C. (2001)
Interleukin-6 signaling during the acute phase response of the liver
The Liver. Biology and Pathobiology Fourth Edition, chapter 40, pp. 565-580
 (eds. Arias et al.) Lippincott Williams & Wilkins, Philadelphia
- H61. Heinrich, P.C., Bode, J.G., Graeve, L., Haan, S., Martens, A., Müller-Newen, G., Nimmesgern, A., Schaper, F., Schmitz, J., Siewert, E. (2001)
IL-6-type cytokines and signaling in inflammation
"Biomarkers of Disease" – An evidence-based Approach
 Part 4: Biomarkers of liver disease and dysfunction, pp. 256-262
 (eds. Trull et al.), Cambridge University Press

- H62. Heinrich, P.C., Barthel, A., Behrmann, I., Feld, F., Grötzing, J., Haan, C., Hermanns, H.M., Joost, H-G., Kerr, I.M., Kortylewski, M., Lehmann, U., Müller-Newen, G., Radtke, S., Roth, R., Schaper, F., Timmermann, A. (2001)
Regulation of Interleukin-6-type cytokine signaling
Falk Symposium No. 125 on "Cytokines in Liver Injury and Repair"
Section VI: Polymorphisms of cytokines and signalling, pp. 221-237
(eds.: Gressner A. M., Heinrich, P. C., Matern S.) Kluwer Academic Publishers, London
- H63. Heinrich, P. C., Behrmann, I., Haan, S., Hermanns, H. M., Müller-Newen, G., Schaper, F. (2003)
Structural bases of receptor-JAK-STAT interactions
Signal Transducers and Activators of Transcription (STATs): Activation and Biology, chapter 4, pp. 43-53
(P. B. Sehgal, D. E. Levy and T. Hirano, eds)
Kluwer Academic Publishers, Dordrecht / Boston / London
- H64. Heinrich, P. C. (2009)
IL-6 in a nutshell
Interleukin-6-Inhibition bei Rheumatoider Arthritis, chapter 1, pp. 11-21
(A. Rubbert-Roth, ed)
Uni-Med, Bremen / London / Boston

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Monographs

- M1. Heinrich, P.C. (1963)
Grundbegriffe und Gesetze der Atomphysik
Oscar Spohr Verlag, Wuppertal-Elberfeld (Taschenbuch)
- M2. Heinrich, P.C. (1966)
Darstellung und Reaktionen von substituierten 1,3-Dioxoliumsalzen
Dissertationsschrift, Marburg
- M3. Heinrich, P.C. (1974)
Studien zur Chemie, Physiologie und Pathologie der Transketolase
Habilitationsschrift, Freiburg

Educational books

- L 1 Heinrich, P.C., Schaper, F., Timmermann, A., Martens, A., Lehmann, U.
 Kapitel 28: Endokrine Gewebe II: Zytokine, S. 814-835
 In: **Löffler/Petrides** (Hrsg.): **Biochemie und Pathobiochemie, 7. Auflage (2003)**
 Springer-Verlag Berlin-Heidelberg-New York-Tokyo, ISBN 3-540-42295-1
- L 2 Heinrich , P.C., Haan, S., Hermanns, H.M., Müller-Newen, G., Schaper, F.
 Kapitel 25: Kommunikation zwischen Zellen: Signalmoleküle, Rezeptoren und
 Signaltransduktion, S. 755-808
 In: **Löffler/Petrides/Heinrich** (Hrsg.): **Biochemie und Pathobiochemie, 8. Auflage (2007)**
 Springer-Verlag Berlin-Heidelberg-New York-Tokyo, ISBN 978-3-540-32680-9
- L3 Peter C. Heinrich
 Kapitel 1: Ohne Wasser kein Leben, S. 3-13
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L4 Hans-Georg Koch, Jan Brix, Peter C. Heinrich
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 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L5 Gerhard Müller-Newen, Peter C. Heinrich, Heike M. Hermanns, Fred Schaper
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 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L6 Peter C. Heinrich, Serge Haan, Heike M. Hermanns, Gerhard Müller-Newen, Fred Schaper
 Kapitel 34: Mediatoren, S.407-410
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L7 Peter C. Heinrich, Serge Haan, Heike M. Hermanns, Gerhard Müller-Newen, Fred Schaper
 Kapitel 35: Rezeptoren und ihre Signaltransduktion, S.411-441
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L8 Peter C. Heinrich, Hans-Georg Koch, Jan Brix
 Kapitel 43: Zellzyklus – Koordination der Zellteilung, S.535-544
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)

- L9 Hans-Georg Koch, Jan Brix, Peter C. Heinrich
 Kapitel 44: Replikation – Die Verdopplung der DNA, S.545-558
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L10 Hans-Georg Koch, Jan Brix, Peter C. Heinrich
 Kapitel 45: DNA-Mutationen und ihre Reparatur, S.559-566
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L11 Jan Brix, Hans-Georg Koch, Peter C. Heinrich
 Kapitel 46: Transkription und Prozessierung der RNA, S.567-587
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L12 Jan Brix, Hans-Georg Koch, Peter C. Heinrich
 Kapitel 47: Regulation der Transkription – Aktivierung und Inaktivierung der Genexpression
 S.588-599
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L13 Peter C. Heinrich, Hans-Georg Koch, Jan Brix
 Kapitel 51: Apoptose – Der programmierte Zelltod, S.633-637
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L14 Jan Brix, Peter C. Heinrich, Hans-Georg Koch, Georg Löffler
 Kapitel 54: Gentechnik, S. 660-678
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)
- L15 Jan Brix, Peter C. Heinrich, Hans-Georg Koch, Georg Löffler
 Kapitel 55: Gentechnik in höheren Organismen – Transgene Tiere und Gentherapie
 S.679-684
 In: **Heinrich/ Müller/ Graeve** (Hrsg.): **Biochemie und Pathobiochemie, 9. Auflage (2014)**
 Springer-Verlag Berlin- Heidelberg, ISBN 13 978-3 -642-17971-6; ISBN: 978-3 -
 642-17972 -3 (e Book)

Organization of Conferences

- T1 87. Konferenz der Gesellschaft für Biologische Chemie
" α_2 -Macroglobulin and Related Plasma Proteins"
Aachen, 24. - 27. Oktober, **1990**
- T2 Symposium on "**Molecular Biology and Biological Functions of Growth Factors**"
München, 6. - 8. Mai, **1992**
- T3 Symposium on "**Cytokine and growth factor signaling**"
Eur. J. Clin. Chem. Clin. Biochem. 1995, **33**, A109-A113
Leipzig, 25. April, **1995**
- T4 Erstes Affinity Sensor Anwendertreffen in Deutschland
Universitätsklinikum Aachen, Institut für Biochemie
Aachen, 1. - 2. Juli **1996**
- T5 1st International Symposium on "**Cytokines, signaling and the Jak/STAT pathway**"
Universitätsklinikum Aachen, Institut für Biochemie
Aachen, 4. - 5. Oktober **1996**
- T6 Zweites Affinity Sensor Anwendertreffen in Deutschland
Klinikum der RWTH Aachen, Institut für Biochemie
Aachen, 1. Juli **1997**
- T7 International Falk Workshop "**Signaling in the liver**"
Part IV of the Liver Week Freiburg 1997, Organisatoren Häussinger - Heinrich
Freiburg, 6. Oktober **1997**
- T8 2nd International Symposium on "**Cytokine signaling**"
Universitätsklinikum Aachen, Institut für Biochemie
Aachen, 23.-25. März **2000**
- T9 Falk Symposium No 125 "**Cytokines and liver injury and repair**"
Fortschritte in Gastroenterologie und Hepatologie (Teil II),
Organisatoren Gressner – Heinrich – Matern
Hannover, 30. September – 01. Oktober **2001**
- T10 3rd International Symposium on "**Cytokine signaling**"
Universitätsklinikum Aachen, Institut für Biochemie
Aachen, 3. – 5. Oktober **2002**
- T11 Symposium on "**Infection, Inflammation and Oncology**" – A BioRiver Initiative
Organisatoren Heinrich (Aachen), Krieg (Köln), Haas (Düsseldorf), Knolle (Bonn)
Köln, 4. – 5. Juli **2003**
- T12 4th International Symposium on "**Cytokine signaling**"
Universitätsklinikum Aachen, Institut für Biochemie
Aachen, 19. – 20. März **2004**
- T13 5th International Symposium on "**Cytokine Signalling**"
Universitätsklinikum Aachen, Institut für Biochemie
Aachen, 29. - 31. März **2007**

Public Relations

- PR 1 "Entzündungsmediatoren", Ärzte Zeitung Nr. 180, Seite 12 vom 15.10.1986
- PR 2 "Science" über das Hormon, Aachener Volkszeitung vom 22.01.1994
- PR 3 "Aachener Mediziner unter den Spitzenforschern, Zehn Professoren des Klinikums sind im 'Who's who' der Ärzteschaft verzeichnet", Aachener Nachrichten vom 10.08.1995
- PR 4 "Viel Neues aus der Welt der Medizin; Klinikum: Vortragsvielfalt für den interessierten Laien", Aachener Nachrichten vom 24.10.1996
- PR 5 "Zwei kluge Frauen forschen mit großem Erfolg; 'Tag der Medizin': Bei Promotionsfeier zwei Preise verliehen", Aachener Nachrichten vom 24.10.1996
- PR 6 "Entzündungen bieten Forschern noch viel Stoff, Im neuen medizinischen Sonderforschungsbereich der RWTH arbeiten über 50 Wissenschaftler an neuen Therapien", Aachener Nachrichten vom 15.09.1999
- PR 7 Stellungnahme von Prof. Heinrich zur Schließung der Vorklinik an der RWTH Aachen
Reflex, Zeitschrift für Aachener Medizinstudenten (Sonderausgabe)
Oktober 2000
- PR 8 „Note Sechs für Forschung am Aachener Klinikum – ‚Unterdurchschnittlich‘ –
Wissenschaftsrat stellt Standort in Frage“
Aachener Zeitung, 21.11.2002
- PR 9 „TH Aachen nimmt Kritik ‚sehr ernst‘“
Aachener Nachrichten, 22.11.2002
- PR10 „TH-Medizin ist ein Jumbo auf der Startbahn, Hochschule und Fakultät nehmen die Kritik des Wissenschaftsrates ernst – Motto: Umsteigen auf die Forschung“
Aachener Zeitung, November 2002
- PR11 "Es muß zu einem ständigen Dialog zwischen Professoren und Studenten kommen"
Interview mit Prof. Dr. med., Dr. rer.nat. Henning M. Beier
Reflex, Zeitschrift für Aachener Medizinstudenten,
Dezember 2000
- PR12 "Wenn die Entgiftungsfabrik des Körpers protestiert", Professor Siegfried Matern erforscht Gründe für Lebererkrankungen
Aachener Zeitung, 23.01.2001
- PR13 "Entzündung heilt und kann den Tod bringen"
Sonderforschungsbereich der RWTH klärt molekulare Prozesse auf
Interview mit Prof. Heinrich
Aachener Nachrichten, 21.02.2001

- PR14 "Wie das Immunsystem Eindringlinge abwehrt"
Aachener Nachrichten, 21.02.2001
- PR15 "Entzündung ist eine raffinierte Erfindung"
RWTH-Forscher klären die effiziente Körperantwort auf schädliche Einflüsse auf
Aachener Zeitung, 05.05.2001
- PR16 "Was hat sich in den letzten Jahren in der Biochemie in Bezug auf die Evaluation der Lehre verändert?"
Interview Prof. Heinrich
Reflex, Zeitschrift für Aachener Medizinstudenten,
Mai 2001
- PR17 "Signaltransduktionskaskaden als Targets für die Entwicklung neuer Medikamente"
„RWTH-Themen“ 2 | 2002 – Life Sciences
- PR18 "Der Rattenfänger von Hameln und Zytokine -
Vom Segen und Fluch der Zytokine – Chancen für die Therapie schwerer Erkrankungen"
Peter C. Heinrich, Albert L. Pranada
„RWTH-Themen“ 2 | 2002 – Life Sciences
ISSN-Nr. 0179-079X
- PR19 "An den Unis fehlen die Käuze und Querdenker"
Podiumsdiskussion des Fraunhofer Instituts für Lasertechnik
im Rahmen des Aachener Kolloquiums für Lasertechnik AKL '02 zum Thema
„Kunst und Wissenschaft im Spannungsfeld zwischen Methodik und Intuition“
Aachener Nachrichten, 20.09.2002
- PR20 "Signale im Körper"
Entzündungsforscher tagen in Aachen
Aachener Nachrichten, 02.10.2002
- PR21 TIK Technik im Klartext
Newsletter für Schülerzeitungsredaktionen (2004)
- PR22 "Hoffnung für Millionen,
In Aachen hat die Forschung rund um gefährliche Entzündungen Weltniveau"
Purelations kommunikationsmanagement
UKA plus, April 2004
- PR23 „Leuchtende Proteine“
Zellbiologie ist Nanotechnologie in Perfektion
Heinrich, PC, Müller-Newen, G.
RWTH Themen „Molecular Science for life“ 2005, 2:20-22
- PR24 „Allergien auf dem Vormarsch“
Interleukin-31, ein neuer Botenstoff bei der Vermittlung allergischer Ekzemreaktionen
Drews, A., Heinrich, PC., Hermanns, HM., Institut für Biochemie und
Baron, JM., Merk, HF., Neis, MM., Hautklinik des Universitätsklinikums Aachen
RWTH Themen „Molecular Science for life“ 2005, 2:24-25

- PR25 „Neue Behandlungsmöglichkeiten chronischer Entzündungen: Eine Herausforderung für Mediziner und Biochemiker“
Floege, J., Müller-Newen, G., Heinrich, PC. (2007)
RWTH Themen
- PR26 „Peter Heinrich, Pfadfinder der Biochemie“ und „Ein Forscherleben für unsere entzündlichen Seiten“
Aachener Nachrichten, Region Rhein-Maas, 4. April 2007; Aachener Zeitung, 4. April 2007
(Im Rahmen des 5. Cytokine-Signalling Symposiums in Aachen 29.-31. März 2007)
- PR27 „Wie kommunizieren Zellen bei Entzündungen?“
RWTH Themen zur Tagung des SFB 542 an der RWTH Aachen (2007)

Extra muros collaborative research

- Ab1. Eilers A., Baccarini M., Horn F., Hipskind RA., Schindler C., Decker T. (**1994**)
A factor induced by differentiation signals in cells of the macrophage lineage binds to the gamma interferon activation site
Mol. Cell. Biol. 14, 1364-1373
- A2 Caldenhoven E., Coffer P., Yuan J., van de Stolpe A., Horn F., Kruijer W., van der Saag P. (**1994**)
Stimulation of the human intercellular adhesion molecule-1 promoter by interleukin-6 and interferon-gamma involves binding of distinct factors to a palindromic response element
J. Biol. Chem. 269, 21146-21154
- Ab3. Rothman P., Kreider B., Azam M., Levy D.E., Wegenka U.M., Eilers A., Decker T., Horn F., Kashleva H., Ihle J., Schindler C. (**1994**)
Cytokines signal through tyrosine phosphorylation of a family of related transcription factors
57-468
- Ab4. Ehlers, M., Grötzingen, J., DeHon, F.D., Müllberg, J., Brakenhoff, J.P.J., Liu, J., Wollmer, A., Rose-John, S. (**1994**)
Identification of two novel regions of human IL-6 responsible for receptor binding and signal transduction
J. Immunol. 153, 1744-1753
- Ab5. Coffer P., Lütticken C., van Puijenbroek A., Klop-de Jonge M., Horn F., Kruijer W. (**1995**)
Transcriptional regulation of the junB promoter: analysis of STAT-mediated signal transduction
Oncogene 10, 985-994
- Ab6. Haug K., Warnstedt M., Alekov AK., Sander T., Ramirez A., Poser B., Maljevic S., Hebeisen S., Kubisch C., Rebstock J., Horvath S., Hallmann K., Dullinger JS., Rau B., Haverkamp F., Beyenburg S., Schulz H., Janz D., Giese B., Müller-Newen G., Propping P., Elger CE., Fahlke C., Lerche H., Heils A. (**2003**)
Mutations in CLCN2 encoding a voltage-gated chloride channel are associated with idiopathic generalized epilepsies
Nat. Genet. 33, 527-532
- Ab7. Müller-Newen G. (**2003**)
The cytokine receptor gp130: faithfully promiscuous.
Sci. STKE. 2003(201):PE40. Review
- Ab8. Schiffer R., Neis M., Holler D., Rodriguez F., Geier A., Gartung C., Lammert F., Drew A., Zwadlo-Klarwasser G., Merk H., Jugert F., Baron JM. (**2003**)
Active influx transport is mediated by members of the organic anion transporting polypeptide family in human epidermal keratinocytes.
J. Invest. Dermatol., 120,285-91 IPF 4.2
- Ab9. de Graaf K., Hekerman P., Spelten O., Herrmann A., Packman LC., Bussow K., Mueller-Newen G., Becker W. (**2004**)
Characterization of cyclin L2, a novel cyclin with an arginine-serine-rich domain: phosphorylation by DYRK1A and colocalization with splicing factors.
J. Biol. Chem. 279, 4612-4624

- Ab10. Hebeisen S., Biela A., Giese B., Mueller-Newen G., Hidalgo P., Fahlke C. **(2004)**
The role of the carboxyl terminus in ClC chloride channel function.
J. Biol. Chem. 279, 13140-13147
- Ab11. Kruger T., Benke D., Eitner F., Lang A., Wirtz M., Hamilton-Williams EE., Engel D., Giese B., Mueller-Newen G., Floege J., Kurts C. **(2004)**
Identification and functional characterization of dendritic cells in the healthy murine kidney and in experimental glomerulonephritis.
J. Am. Soc. Nephrol. 15, 613-21
- Ab12. de Graaf, K., Hekerman, P., Spelten, O., Herrmann, A., Packman, LC., Büssow, K., Müller-Newen, G., Becker, W. **(2004)**
Characterization of Cyclin L2, a Novel Cyclin with an Arginine/Serine-rich Domain
J Biol Chem. 279, 4612-4624
- Ab13. Abuzahra F., Heise R., Joussen S., Drew A., Merk H., Zwadlo-Klarwasser G., Baron JM. **(2004)**
Adjuvant interferon alfa treatment for patients with malignant melanoma stimulates transporter proteins associated with antigen processing and proteasome activator 28.
Lancet Oncol., 5, 250
- Ab14. Samorski M., Müller-Newen G., Büchs J. **(2005)**
Quasi-continuous combined scattered light and fluorescence measurements: A novel measurement technique for shaken microtiter plates.
Biotechnol. Bioeng., 92, 61-68
- Ab15. Baron JM., Heise R., Blaner WS, Neis M., Joussen S., Drew A., Marquardt Y, Saurat JH., Merk HF., Bickers DR., Jugert FK. **(2005)**
Retinoic acid and its 4-oxo metabolites are functionally active in human skin cells in vitro.
J. Invest. Dermatol., 125, 143-153