



Curriculum Vitae

Personal information Heidi Foth

Work experience

1. Employer: University of Mainz
 - Start date: 071981
 - End date: 061985
 - Position: Research fellow
 - Activities: work of Dissertation (benzo(a)pyrene metabolism in rat lung and liver) tutorial work with students
 - Country: Germany
2. Employer: University of Goettingen
 - Start date: 071985
 - End date: 121991
 - Position: senior scientist
 - Activities: work on grand thesis (Habilitation) xenobiotic metabolism in lung teaching of students in pharmacology
 - Country: Germany
3. Employer: University of Goettingen
 - Start date: 011992
 - End date: 091995
 - Position: Associate Professor
 - Activities: Leader of Research laboratory, Tutor for Research fellows Teaching (Pharmacology) for Students of medicine
 - Country: Germany
4. Employer: University of Halle Wittenberg
 - Start date: 101995
 - End date: 102021
 - Position: Director of Institute
 - Activities: Research on lung cell models teaching in pharmacology and toxicology Environmental Toxicology committee work in environmental toxicology
 - Country: Germany

Education and training

1. Subject: University of Mainz
 - Start date: 031976
 - End date: 061981
 - Qualification: Dental Medicine
 - Organisation: Staatsexamen Zahnmedizin (Exam of the State Dental Medicine) Approbation Dental Medicine
 - Country: Germany
2. Subject: German Society of Experimental and Clinical Pharmacology and Toxicology
 - Start date: 071981
 - End date: 031986
 - Qualification: Fachtoxikologe DGPT
 - Organisation: German Certified Expert in Toxicology (DGPT) European Registered Expert in Toxicology ERT (1998)
 - Country: Germany

Additional information

Publications

Publications 1. Klaus E, Foth H, Kahl R, Kahl GF (1982) Similar level of metabolic activation of benzo(a)pyrene in perfused rat lung and liver and protection of lung by liver in a combined perfusion system. *Biochem Biophys. Res Commun* 105, 596_602 2. Foth H, Molliere M, Kahl R, Jähnchen E, Kahl GF (1984) Covalent binding of benzo(a)pyrene in perfused rat lung following systemic and intratracheal administration. *Drug Metabolism and Disposition* Vol 12, (6): 760_766 3. Kahl GF, Molliere M, Philipp P, Kahl R, Foth H (1984) Activating and detoxifying metabolism of benzo(a)pyrene in the isolated perfused rat lung: in Problems of inhalatory toxicity studies (P Grossdanoff, R Bass, U Hackenberg, D Henschler Hj Klimsch Eds) BGA Schriften 5, 343_357 4. Michaelis HC, Foth H, Kahl GF (1987) Determination of 5-fluoro-2'-deoxyuridine in human plasma by high performance liquid chromatography with pre column fluorimetric derivatization. *J. Chromatogr* 416, 176_182 5. Molliere M, Foth H, Kahl R, Kahl GF (1987) Comparison of benzo(a)pyrene metabolism in isolated perfused rat lung and liver. *Arch Tox* 60, 270_277 6. Rüdell U, Foth H, Kahl GF (1987) Eightfold induction of nicotine elimination in perfused rat liver by pretreatment with phenobarbital. *Biochem Biophys res Commun* 148, 192_198 7. Foth H, Kahl R, Kahl GF (1988) Pharmacokinetics of low dose of benzo(a)pyrene in the rat. *Food Chem Toxicol* 26, 45_51 8. Foth H, Rüdell U, Ritter G, Kahl GF (1988) Inhibitory effect of nicotine on benzo(a)pyrene elimination and marked pulmonary metabolism of nicotine in isolated perfused rat lung. *Klin Wschr* 66, Supl XI, 98_104 9. Michaelis HC, Geng W, Kahl GF, Foth H (1990) Sensitive determination of bupivacaine in human plasma by high performance liquid chromatography. *J. Chromatogr.* 527, 201_207 10. Foth H, Kunellis E, Müseler T, Kahl GF (1990) Nonlinear elimination kinetics of 5-fluoro-2'-deoxyuridine in isolated perfused rat liver and hepatocytes. *J Pharmacol Exp Ther* 254, 427_432 11. Foth H, Hellkamp J, Kunellis E, Kahl GF (1990) pulmonary elimination and metabolism of 5-fluoro-2'-deoxyuridine in isolated perfused rat lung and liver and lung slices. *Drug Metab Disp* 18, 1011_1017 12. Foth H, Rauschecker H, Willenbrock C, Michaelis HC, Horst F, Voth E, Musch E, Loos U, Kahl GF (1990) Comparison of leakage measurement using 99mTc-labeled red blood cells and peripheral melphalan determination in hyperthermic isolation perfusion of the extremities. In: *Progress in Regional Cancer Therapy* (R Jakesz, H. Rainer Eds) Springer Heidelberg 266_261 13.

Foth H, Walther UJ, Kahl GF (1990) Increased hepatic nicotine elimination after phenobarbital induction in the conscious rat. *Toxicol Appl Pharmacol* 105, 382_392 14. Foth H, Kunellis E, Müseler T, Kahl, GF (1990) Nonlinear elimination kinetics of 5-fluoro-2'-deoxyuridine in isolated perfused rat liver and isolated hepatocytes. *Journal of Pharmacology and Experimental Therapeutics* Vol 254, (2): 427_432 15. Foth H, Heilkamp J, Kunellis E, Müseler T, Kahl GF (1990) Pulmonary elimination and metabolism of 5-fluoro-2'-deoxyuridine in isolated perfused rat lung and lung slices. *Drug Metabolism and Disposition* Vol 18, (6): 1011_1017 16. Foth H, Walther UJ, Looschen H, Kahl GF (1990) Extrahepatic compared with hepatic metabolism of nicotine in the rat. In: *Effects of nicotine on biological systems* (Adlkofer F, Thureau K Eds) *Advances in Pharmacological Sciences*, Birkhäuser, Basel, Boston, Berlin 83_87 17. Frijus-Plessen N, Michaelis HC, Foth H, Kahl GF (1990) Determination of 3'-azido-3'-deoxythymidine, 2',3'-dideoxycytidine, 3'-fluoro-3'-deoxythymidine and 2',3'-dideoxyinosine in biological samples by high performance liquid chromatography. *J. Chromatogr* 534, 101_107 18. Schächer M, Foth H, Schlüter H, Kahl R (1991) Oxidation of Tris to one carbon compounds in radical producing model system, in microsomes, in hepatocytes and in rats. *Free Radical Res Commun* 11, 339_347 19. Foth H, Looschen H, Neurath H, Kahl GF (1991) Nicotine metabolism in isolated perfused lung and liver in phenobarbital- and benzoflavone-treated rats. *Arch Toxicol* 65: 68_72 20. Rauschecker HF, Foth H, Michaelis HC, Horst F, Gatzemeier W, Willenbrock C, Voth E, Kahl GF (1991) Kinetics of melphalan leakage during hyperthermic isolation perfusion in melanoma of the limb. *Cancer Chemother Pharmacol* 27, 379_384 21. Foth H, Aubrecht J, Höhne M, Walther UJ, Kahl GF (1992) Increased cotinine elimination and cotinine_N-oxide formation by phenobarbital induction in rat and mouse. *Clin Invest* 70, 175_181 22. Foth H, Geng WP, Vetterlein F (1995) Pulmonary uptake of bupivacaine in isolated perfused rat lung. *Naunyn-Schmiedeberg's Arch Pharmacol* 351: 99_106 23. Foth H (1995) Role of the lung in accumulation and metabolism of xenobiotic compounds implications for chemically induced toxicity. *Crit Rev Toxicol*. 1995, 25(2):165_205. 24. Geng WP, Ebke M, Foth H (1995) Prilocaine elimination by isolated perfused rat lung and liver. *Naunyn-Schmiedeberg's Arch Pharmacol* 351: 93_98 25. Kietzmann D, Foth H, Geng W P, Rathgeber J, Gundert-Remy U, Kettler D (1995) Transpulmonary disposition of prilocaine, mepivacaine and bupivacaine in humans in the course of epidural anaesthesia. *Acta Anaesthesiol Scand* 39: 885_890 26. Hirsch-Ernst K, Ziemann Ch, Schmitz-Salue Ch, Foth H, Kahl GF (1995) Modulation of P-Glycoprotein and mdr1b mRNA Expression by growth factors in primary rat hepatocyte culture. *Biochem Biophys Research Comm* 1, Vol 215, 179_185 27. Foth H, Schröder B, Kraus JP, Hering FB, Ensink M, Hellige G (1996) Myocardial extraction of bupivacaine in anaesthetized sheep and by hearts of sheep and rats in vitro. *British J Anaesthesia* 77: 257_264 28. Schrader E, Hirsch-Ernst KI, Scholz ER, Richter E, Kahl GF, Foth H (1997) Xenobiotic metabolism in lung and content of cytochrome P 450 2B1 in alveolar type II cells. *FASEB J*, 11: A185 29. Schrader E, Richter E, Schulze J, Hirsch-Ernst KI, Kahl GF, Foth H (1997) Metabolism of NNK, a tobacco-specific nitrosamine, in isolated rat lung and liver. *N_S ARCH PHARMACOL*, 355: Suppl, R 136 30. Ziemann C, Hirsch-Ernst KI, Foth H, Kahl GF (1997) Modulation of P-glycoprotein expression and mdr1 transport activity by reactive oxygen species in primary rat hepatocyte cultures. *N_S ARCH PHARMACOL*, 355: Suppl, R 143 31. Bock KW, Degen GH, Foth H, Kahl R, Kappüs H, Neumann HG, Oesch F, Schulte-Hermann R (1998) Ozone-position of the Advisory Commission of the Toxicology Section of the German Society for Experimental and Clinical Pharmacology. *Pneumologie* 1998 Jun., 52: 358_365 32. Hirsch-Ernst KI, Ziemann C, Foth H, Kozián D, Schmitz-Salue C, Kahl GF (1998) Induction of mdr1b mRNA and P-glycoprotein expression by tumor necrosis factor alpha in primary rat hepatocyte cultures. *J CELL PHYSIOL*, 176: 506_515 33. Hüttner E, Nikolova T, Foth H (1998) Genotoxic effects in humans after an accidental vinyl chloride exposure. *N_S ARCH PHARMACOL*, 357: suppl, R 141 34. Lichtblau C, Montag C, Müller A, Stamm A, Steinwachs MR, Foth H (1998) Zelluläre Kinetik von 5-Fluor-2'-desosoxuridin und Azidothymidin in Hepatozyten und Tumorzellen. *Z GASTROENTEROL*, 36: 67 35. Schrader E, Hirsch-Ernst KI, Kahl GF, Foth H (1998) CYP2B1 expression and metabolic activation of 4-(methylnitrosamino)-1-(pyridyl)-1-butanone in lung and alveolar type II cells. 12th International Symposium on Microsomes and Drug Oxidations, Montpellier, France, July 20_24 1998, Montpellier France: A345 36. Schrader E, Hirsch-Ernst KI, Richter E, Foth H (1998) Hepatischer Metabolismus von 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanon (NNK). *Z GASTROENTEROL*, 36: 73 37. Schrader E, Hirsch-Ernst KI, Richter E, Foth H (1998) Metabolism of 4-(methyl-nitrosamino)-1-(3-pyridyl)-1-butanone (NNK) in isolated rat lung and liver. *N_S ARCH PHARMACOL*, 357: 336_343 38. Schrader E, Röhrdanz E, Hirsch-Ernst KI, Kahl R, Kahl GF, Foth H (1998) Alteration in expression of xenobiotic metabolizing enzymes and of catalase during primary rat alveolar type II cell culture. *N_S ARCH PHARMACOL*, 357: Suppl, R 135 39. Schrader E, Stock TW, Hirsch KI, Foth H (1998) Short-term culture of rat alveolar type II (AII) cells - a useful model for metabolic investigations on chemically induced carcinogenesis in the lung. *N_S ARCH PHARMACOL*, 358: Suppl, R 536 40. Schulze J, Schrader E, Foth H, Kahl GF, Richter E (1998) Effect of nicotine or cotinine on metabolism of 4-methylnitrosamino-1-(3-pyridyl)-1-butanone (NNK) in isolated rat lung and liver. *N_S ARCH PHARMACOL*, 357: 344_350 41. Wolff I, Bauer S, Schmidt R, Foth H (1998) Toxicological characterization of complex mixtures. *N_S ARCH PHARMACOL*, 357: Suppl, R 125 42. Ziemann C, Foth H, Kahl GF, Hirsch-Ernst KI (1998) Modulation der mdr1b mRNA Expression durch reaktive Sauerstoffspezies und durch den Cyclooxygenase-2 Inhibitor NS 398 in Primärkulturen von Rattenhepatozyten. *Z GASTROENTEROL*, 36: 57 43. Becker R, Hüttner E, Nikolova T, Wolff I, Foth H (1999) Cytogenetic monitoring of a human population after an accidental vinyl chloride exposure. *Schriftenreihe der deutschen Geologischen Gesellschaft*, 9: 12 44. Foth H (1999) Speichelsekretion und Arzneimittel beim alten Menschen. *ZAHNÄRZTL MITT*, 22: 50_56 45. Foth H (1999) Krankmachende Umwelt. *SCIENTIA HALENSIS*, 99: 18_19 46. Foth H, Schrader E, Rachidi A, Stock TW, Hirsch-Ernst KI, Kahl GF (1999) Isolated perfused lung and primary culture of lung cells are useful models in investigation of lung-specific drug metabolism. *Therapeutic Drug Monitoring*, 21: No.4 47. Foth H, Schrader E, Rachidi A, Stock TW, Hirsch-Ernst KI, Kahl GF (1999) Expression of cytochrome P 450 enzymes in human bronchial epithelium and primary cultures of rat lung cells. *TOXICOL LETT*, 109: Suppl 1, 47 48. Runge DM, Runge D, Foth H, Strom SC, Michalopoulos GK (1999) STAT 1alpha/1b, STAT 3 and STAT 5: expression and association with c-MET and EGF-receptor in long-term cultures of human hepatocytes. *BIOCHEM BIOPH RES CO*, 265: 376_381 49. Runge DM, Runge D, Foth H, Strom SC, Michalopoulos GK (1999) STAT1a/1b, STAT3 and STAT5: association with c-MET and EGF-receptor, activation and dimerization in long-term cultures of human hepatocytes. *BIOCHEM BIOPH RES CO*, 265: 376_381 50. Schrader E, Hirsch-Ernst KI, Kahl GF, Foth H (1999) Metabolism of 4-(methyl-nitrosamino)-1-(3-pyridyl)-1-butanone (NNK) in primary cultured rat alveolar type II cells. *N_S ARCH PHARMACOL*, 359: Suppl, R 611 51. Schrader E, Klauinck G, Jorritsma U, Neurath H, Hirsch-Ernst KI, Kahl GF, Foth H (1999) High-performance liquid chromatographic method for simultaneous determination of (1-methyl-14C) caffeine and its eight major metabolites in rat urine. *J of Chromatography*, 726: 195_201 52. Stock TW, Müller P, Wolff I, Bahn H, Foth H (1999) Normal Human Bronchial epithelial cells as a tool to monitor genotoxic effects of complex mixtures. *N_S ARCH PHARMACOL*, 359: Suppl, R 693 53. Wolff I, Bauer S, Müller P, Stock TW, Pelzing M, Foth H (1999) Toxicological characterization of complex mixtures from plasma etching processes. *Schriftenreihe der deutschen Geologischen Gesellschaft*, 9: 155 54. Wolff I, Müller P, Stock TW, Bauer S, Foth H (1999) Genotoxic activity of complex mixtures in solid waste from plasma etching in lymphocytes bronchial cells and hepatocytes. *TOXICOL LETT*, 109: Suppl 1, 47 55. Wolff I, Müller P, Stock TW, Bauer S, Foth H (1999) Generation of DNA single-strand breaks by complex mixtures. *N_S ARCH PHARMACOL*, 359: Suppl, R 666 56. Jorritsma U, Schrader E, Klauinck G, Kapitulnik J, Hirsch-Ernst KI, Kahl GF, Foth H (2000) Monitoring of cytochrome P 450 1A activity by determination of the urinary pattern of caffeine metabolites in wistar and hyperbilirubinemic Gunn rats. *TOXICOLOGY*, 144: 229_236 57. Köhler C, Runge DM, Foth H, Fleig WE, Strom SC, Michalopoulos GK, Runge D (2000) P-Glykoprotein und MRP (Multidrug Resistance-associated Protein) Expression in serumfreien Langzeitkulturen humaner Hepatozyten. *Z GASTROENTEROL*, 38: 104 58. Köhler C, Runge DM, Foth H, May U, Fleig WE, Strom SC, Michalopoulos GK, Runge D (2000) Regulation of P-Glycoprotein and MRP (multidrug resistance-associated protein) by cytochrome P450 inducers in serum-free cultures of human hepatocytes. *Falk Workshop* 27_28.01 in Köln, 2: 1 59. Köhler C, Weidauer E, Runge DM, Lehmann T, Röhrdanz E, Tran Thi QH, Kahl R, Foth H (2000) Oxidative stress alters expression of P-glycoprotein and multidrug resistance-associated protein, but not antioxidant enzymes in lung tumor cell lines. *N_S ARCH PHARMACOL*, 361: Suppl, R 163 60. Lehmann T, Köhler C, Runge DM, Foth H (2000) Expression of multidrug resistance proteins and CYP2E1 in serum-free cultured human bronchial epithelial cells. *TOXICOL LETT*, 116: (Suppl.1), 47(175) 61. Lehmann T, Weidauer E, Röhrdanz E, Tran Thi QH, Kahl R, Foth H (2000) Influence of paraquat and hydrogen peroxide to antioxidant enzymes (cat, MNSOD) and mdr1b in rat alveolar type II pneumocytes. *N_S ARCH PHARMACOL*, 361: Suppl, R 142 62. Müller P, Wolff I, Bauer S, Stock TW, Foth H (2000) Assessment of DNA damage induced by complex mixtures of halogenated hydrocarbons using the alkaline comet assay. *TOXICOL LETT*, 116: (Suppl.1), 36(136) 63. Mueller SP, Krivokuca M, Rohrbach S, Darmer D, Foth H, Holtz J (2000) Age-specific myocardial decompensation under chronic NO-synthesis expression in rats is prevented by application of insulin-like

growth factor_1. CIRCULATION, 102: 134-64. Runge DM, Runge D, Foth H, Strom SC, Michalopoulos GK (2000) EGF_receptors and MET: Cross_talk between the two growth factor receptors mediated by STAT_proteins in human hepatocytes. Falk Workshop 27_28.01 in Köln, 3: 1-65. Runge DM, Runge D, Foth H, Strom SC, Michalopoulos GK (2000) EGF_Rezeptor und MET: Cross_talk der Rezeptoren vermittelt durch STAT_Proteine. Z GASTROENTEROL, 38: 95-66. Runge DM, Runge D, Foth H, Strom SC, Michalopoulos GK (2000) Activation of STAT proteins by HGF and EGF in human hepatocytes. J HEPATOL, 32: Suppl, 2: 67. Runge DM, Runge D, Foth H, Strom SC, Michalopoulos GK (2000) EGF_Rezeptor und MET: cross_talk between the two growth factor receptors mediated by STAT proteins in human hepatocytes. FASEB J, 14: A 722-68. Runge DM, Runge D, Hofmann S, Decker C, Silber RE, Foth H (2000) Activation of acute phase response by Ethanol but not Dichloromethane in primary cultures of human bronchial epithelial cells. TOXICOL LETT, 116: (Suppl.1), 46(170) 69. Runge DM, Stock TW, Beer Stolz D, Taege C, Runge D, Hofmann S, Silber RE, Holzhausen HJ, Foth H (2000) Acute phase response and activation of hepatocyte growth factor after ethanol and dichloromethane treatment of normal human bronchial epithelial cells in culture. N_S ARCH PHARMACOL, 361: Suppl, R 161-70. Runge D, Runge DM, Köhler C, Lehmann T, Jäger D, May U, Foth H, Dorko H, Strom SC, Michalopoulos GK, Fleig WE (2000) Expression of membrane transporter and cytochrome P450 proteins in serum_free long_term human hepatocyte cultures. FASEB J, 14: A 183-71. Schrader E, Hirsch_Ernst KI, Scholz E, Kahl GF, Foth H (2000) Metabolism of 4_(methylnitrosamino)_1_(3_pyridyl)_1_butanone (NNK) in primary cultured rat alveolar type II cells. DRUG METAB DISPOS, 28: 180-185-72. Schrader E, Hirsch_Ernst KI, Scholz E, Kahl GF, Foth H (2000) Metabolism of 4_(Methylnitrosamino)_1_(3_pyridyl)_1_butanone (NNK) in primary cultures of rat alveolar type II cells. DRUG METAB DISPOS, 28: 180-185-73. Wolff I, Becker R, Hüttner E, Nikolova T, Foth H (2000) Cytogenetic monitoring of a human population after an accidental vinyl chloride exposure. N_S ARCH PHARMACOL, 361: Suppl, R 176-74. Becher R, Nikolova T, Wolff I, Lovell D, Hüttner E, Foth H (2001) Frequency of HPRT mutants in humans exposed to vinyl chloride via an environmental accident. MUTAT RES, 494: 87-96-75. Becher R, Nikolova T, Wolff I, Lovell D, Hüttner E, Foth H (2001) Frequency of HPRT mutants in humans exposed to vinyl chloride via environmental accident. MUTAT RES_GEN TOX EN, 494: 87-96-76. Foth H (2001) Toxisches Potential von Praxischemikalien. DTSCH ZAHNÄRZTEKALENDER, 1: 21-30-77. Helle S, Kahl R, Schrenk D, Foth H (2001) DGPT Information Network Toxicology (INT). N_S ARCH PHARMACOL, 363: Suppl, R 173-78. Lehmann T, Köhler C, Stehfest E, Stock T, Foth H (2001) Expression of MRP1 in human lung cells and effect of promoters of oxygen radicals. TOXICOL LETT, 123: (Suppl.1) 130(481) 79. Lehmann T, Köhler C, Weidauer E, Foth H (2001) Expression of multidrug_resistance (MRP) associated protein in normal human lung. N_S ARCH PHARMACOL, 363: Suppl, R 161-80. Lehmann T, Köhler C, Weidauer E, Taege C, Foth H (2001) Expression of MRP1 and related transporters in human lung cells in culture. TOXICOLOGY, 167: 59-72-81. Müller P, Wolff I, Bauer S, Stock TW, Foth H (2001) Increased rates of micronuclei in cultured human lymphocytes following the treatment with a complex mixture of perhalogenated hydrocarbons. N_S ARCH PHARMACOL, 363: Suppl, R 149-82. Müller SP, Brömme HJ, Rothe M, Foth H, Holtz J (2001) Tissue distribution of coenzyme Q10 in senescent rats after subcutaneous application of nanodispersed Q10. N_S ARCH PHARMACOL, 363: Suppl, R 162-83. Müller SP, Brömme HJ, Rothe M, Foth H, Holtz J (2001) Gewebsgehalt von Coenzym Q10 in alternden Ratten nach subcutaner Applikation einer Q10 Nanodispersion. N_S ARCH PHARMACOL, 4: 363-84. Renniecke A, Lehmann T, Müller SP, Foth H (2001) Expression of multidrug_resistance transporters in hepatocytes and lung cells treated with Ubiquinone (CoQ10) nanodispersion and hydrogen peroxide. N_S ARCH PHARMACOL, 363: Suppl, R 161-85. Runge DM, Stock TW, Lehmann T, Taege C, Bernauer U, Beer Stolz D, Hofmann S, Foth H (2001) Expression of Cytochrome P_450 2E1 in normal bronchial epithelial cells and activation by ethanol in culture. ARCH TOXICOL, 75: 335-345-86. Stock TW, Müller P, Lehmann T, Hofmann SH, Foth H, Silber RE (2001) Activity, morphology and utility of primary normal human bronchial epithelial cells cultured from resection material. THORAC CARDIOV SURG, 2001: FP12-87. Weidauer E, Mörke H, Foth H, Brömme HJ (2001) Transition metals are not necessary for the anaerobic formation of hydroxyl radicals by paraquat monocation and hydrogen peroxide. TOXICOL LETT, 123: 139-88. Weidauer E, Roehrdanz E, Foth H (2001) Comparison of lung cells with respect to antioxidative enzymes after paraquat and hydrogen peroxide. TOXICOL LETT, 123: (Suppl.1) 138(511) 89. Foth H, Lehmann T, Stehfest E, Taege C, Hammer A, Hofmann S (2002) Stability of MRP and LRP expression in human lung cells in culture. TOXICOL LETT, 135: Suppl.1, 27-90. Jäger D, Holtz J, Redpath NT, Müller SP, Pönicke K, Heinroth_Hoffmann I, Werdan K, Müller_Werdan U (2002) The ageing heart: influence of cellular and tissue ageing on total content and distribution of the variants of elongation factor_2. MECH AGEING DEV, 123: 1305-1319-91. Kuhlmann O, Hofmann S, Müller SP, Weiss M (2002) Effect of rutin and cinchonine on the pharmacokinetics of idarubicin in the isolated perfused rat lung. EUR J PHARM SCI, 17: 66-92. Lehmann T, Stehfest E, Taege C, Hammer A, Hofmann S, Foth H (2002) Variation of Individual Expression of MRP and LRP in Primary Human Lung Cells in Culture. N_S ARCH PHARMACOL, 365: Suppl, R150-93. Müller P, Wolff I, Stock TW, Bauer S, Foth H (2002) Screening toward Genotoxic Effects of Halogenated Hydrocarbons. N_S ARCH PHARMACOL, 365: Suppl, R137-94. Müller SP, Holtz J, Foth H (2002) Effects of coenzyme Q10 on pulmonary function _ A study with an isolated rat lung perfusions model. N_S ARCH PHARMACOL, 365: 515-95. Stehfest E, Lehmann T, Köhler C, Foth H (2002) Expression and Modulation of/by Glutathione in Human Lung Cells. N_S ARCH PHARMACOL, 365: Suppl, R150-96. Stehfest E, Torky A, Lehmann T, Foth H (2002) MRP expression and modulation of/by Glutathione in human lung cells. TOXICOL LETT, 135: Suppl.1, 273-97. Torky AW, Köhler C, Olausson B, Foth H (2002) A Non_Invasive Fluorescence Assay for Uptake and Efflux of MDR and MRP Substrates. N_S ARCH PHARMACOL, 365: Suppl, R151-98. Weidauer E, Mörke W, Foth H, Brömme HJ (2002) Does the anaerobic formation of hydroxyl radicals by paraquat monocation radicals and hydrogen peroxide require the presence of transition metals? ARCH TOXICOL, 76: 89-95-99. Kahl R, Degen G, Foth H, Kramer PJ, Lilienblum W, Schrenk D, Schulz T, Schweinfurth H (2003) Comments from the advisory commission for toxicology section of the German association for experimental and clinical pharmacology and toxicology (DGPT) on the possible health dangers of di(2_ethylhexyl)phthalate (DEHP) from medical products in neonatal intensive care units. Umweltmedizin in Forschung und Praxis, 8: 25-30-100. Bolt HM, Foth H, Hengstler JG, Degen GH (2004) Carcinogenicity categorization of chemicals_new aspects to be considered in a European perspective. TOXICOL LETT, 151: 29-41-101. Foth H (2004) Editorial. TOXICOLOGY, 205: 141-2-102. Lerche I, Foth H (2004) Quantitative risks of death and sickness from toxic contamination. 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Projects

Professional experience concerns metabolism of tobacco smoke constituents, kinetics of am-ide type local anaesthetics in lung and heart, kinetics and metabolism of cytostatics drugs (fluorinated pyrimidines), activity and regulation of ABC transporters of the MDR and MRP family in lung, clinical toxicology (University of Göttingen, service unit clinical toxicology analyses and advising), environmental health, toxicity and effects of metals, response of primary human lung cells to metal stress, expression and function of PARP-1 in primary human lung cells and primary human lung cell cultures (dry-wet; 3D configuration) and effects of nanoscaled particles in human lung cell cultures (dry-wet; 3D configuration)

Memberships

National activities as Commissions (member) comprises Committee on Drug Safety (Federal Institute for Drugs and Medical Devices BfArM, Commission C (homeopathic drugs), Commission D (anthroposophic medicine), advisory committee on chemicals (BUA, GDCh) and since 09-2015 chair of the working group carcinogens and mutagens (AK-CM) in the subcommittee on hazard risk management (UA III) of the Committee on Hazardous Substances (AGS). She was member of the Advisory Council on the Environment (SRU) of the Federal Republic of Germany (2004-2016).

Heidi Foth was President (2004-2006; 2007-2009; 2009-2010) of German Society of Toxicology - President (2005 and 2008)/Vicepresident (2004-2009) of German Society for Experimental and Clinical Pharmacology and Toxicology and member of the executive committee of the European Societies of Toxicology, EUROTOX (member of EC, chair of SC Education). She was member (treasurer) of the EC of International Union of Toxicological Societies (IUTOX) 2010-2013, and 2013-2016.

Other Relevant Information