

9. REFERENCES

- 3M. 1983. Two year oral (diet) toxicity/carcinogenicity study of fluorochemical FC-143 in rats. Washington, DC: U.S. Environmental Protection Agency. Submitted to the U.S. Environmental Protection Agency under TSCA Section 8E. OTS0204926-1.
- 3M. 1999. The science of organic fluorochemistry. U.S. Environmental Protection Agency. OPPT-2002-0043-0006. <http://www.fluoridealert.org/pesticides/pfos.fr.final.docket.0006.pdf>. July 08, 2008.
- *3M. 2000. Sulfonated perfluorochemicals in the environment: Sources; dispersion, fate and effects. 3M Company submission to the U.S. Environmental Protection Agency's Administrative Record. OPPT-2002-0043-0005.
- 3M. 2001. A 28-day oral (gavage) toxicity study of T-7485 in Sprague-Dawley rats. St Paul, MN: 3M Corporate Toxicology.
- 3M. 2007a. A 5-day repeat dose oral toxicity screening study in rats with a 7-day recovery period with MTDID. St. Paul, MN: 3M Corporate Toxicology.
- 3M. 2007b. Remedial investigation report. Phase 2. Fluorochemical (FC) data assessment report for the Cottage Grove, MN site. St. Paul, MN: 3M Corporate Toxicology.
- 3M. 2008a. Information about PFOS and PFOA. 3M Company. http://solutions.3m.com/wps/portal/3M/en_US/PFOS/PFOA/. April 01, 2008.
- 3M. 2008b. Data assessment report. 3M Decatur, Alabama facility PFOA site-related environmental monitoring program. St. Paul, MN: 3M Company.
- 3M. 2008c. Screening level human exposure assessment report. 3M Decatur, Alabama facility PFOA site-related environmental monitoring program. St. Paul, MN: 3M Company.
- 3M. 2008d. Future data needs assessment report. 3M Decatur, Alabama Facility PFOA Site-Related Environmental Monitoring Program. St. Paul, MN: 3M Company.
- 3M. 2008e. U.S. locations. 3M. http://solutions.3m.com/wps/portal/3M/en_US/our/company/information/US-locations/. July 10, 2008.
- Abbott BD, Wolf CJ, Das KP, et al. 2009. Developmental toxicity of perfluorooctane sulfonate (PFOS) is not dependent on expression of peroxisome proliferator activated receptor-alpha (PPAR α) in the mouse. *Reprod Toxicol* 27(3-4):258-265.
- Abbott BD, Wolf CJ, Schmid JE, et al. 2007. Perfluorooctanoic acid (PFOA)-induced developmental toxicity in the mouse is dependent on expression of peroxisome proliferator activated receptor-alpha. *Toxicol Sci* 98(2):571-581.

* Not cited in text

9. REFERENCES

- Abbott BD, Wood CR, Watkins AM, et al. 2012. Effects of perfluorooctanoic acid (PFOA) on expression of peroxisome proliferator-activated receptors (PPAR) and nuclear receptor-regulated genes in fetal and postnatal CD-1 mouse tissues. *Reprod Toxicol* 33(4):491-505.
- Abdellatif A, Al-Tonsy AH, Awad ME, et al. 2004. Peroxisomal enzymes and δ -hydroxydeoxyguanosine in rat liver treated with perfluorooctanoic acid. *Dis Markers* 19(1):19-25.
- Abdellatif AG, Preat V, Taper HS, et al. 1991. The modulation of rat liver carcinogenesis by perfluorooctanoic acid, a peroxisome proliferator. *Toxicol Appl Pharmacol* 111:530-537.
- ACGIH. 2013. Threshold limit values for chemical substances and physical agents and biological exposure indices. Cincinnati, OH: American Conference of Governmental Industrial Hygienists.
- Adinolfi M. 1985. The development of the human blood-CSF-brain barrier. *Dev Med Child Neurol* 27(4):532-537.
- Adlercreutz H. 1995. Phytoestrogens: Epidemiology and a possible role in cancer protection. *Environ Health Perspect Suppl* 103(7):103-112.
- Agency for Toxic Substances and Disease Registry. 1989. Decision guide for identifying substance-specific data needs related to toxicological profiles; Notice. Agency for Toxic Substances and Disease Registry, Division of Toxicology. *Fed Regist* 54(174):37618-37634.
- Agency for Toxic Substances and Disease Registry. 1990. Biomarkers of organ damage or dysfunction for the renal, hepatobiliary, and immune systems. Subcommittee on Biomarkers of Organ Damage and Dysfunction. Atlanta, GA: Agency for Toxic Substances and Disease Registry.
- Agency for Toxic Substances and Disease Registry. 2005. Health consultation. 3M chemolite. Perfluorochemical releases at the 3M-Cottage Grove facility. Atlanta, GA: Agency for Toxic Substances and Disease Registry. http://www.atsdr.cdc.gov/HAC/pha/3M-CGF021805-MN/3M-CGF021805-MN_pt1.pdf. June 27, 2008.
- Agency for Toxic Substances and Disease Registry. 2008a. Public health Assessment for Perfluorochemical contamination in Lake Elmo and Oakdale, Washington County, Minnesota. EPA facility ID: MND980704738 and MND980609515 August 29, 2008. Agency for Toxic Substances and Disease Registry. <http://www.health.state.mn.us/divs/eh/hazardous/sites/washington/lakeelmo/phaelmoakdale.pdf>. November 13, 2008.
- Agency for Toxic Substances and Disease Registry. 2008b. Health consultation. PFOS detections in the city of Brainerd, Minnesota. Atlanta, GA: U.S. Department of Health and Human Services, Agency for Toxic Substances and Disease Registry.
- Ahmed DY, Abd Ellah MR. 2012. Effect of exposure to perfluorooctanoic acid on hepatic antioxidants in mice. *Comp Clin Pathol* 21(6):1643-1645.
- AIHA. 2013. Emergency response planning guidelines (ERPG). Fairfax, VA: American Industrial Hygiene Association. <https://www.aiha.org/get-involved/AIHAGuidelineFoundation/EmergencyResponsePlanningGuidelines/Pages/default.aspx>. January 08, 2014.

9. REFERENCES

- Albrecht PP, Torsell NE, Krishnan P, et al. 2013. A species difference in the peroxisome proliferator-activated receptor α -dependent response to the developmental effects of perfluorooctanoic acid. *Toxicol Sci* 131(2):568-582.
- Alexander BH, Olsen GW. 2007. Bladder cancer in perfluorooctanesulfonyl fluoride manufacturing workers. *Ann Epidemiol* 17(6):471-478.
- Alexander BH, Olsen GW, Burriss JM, et al. 2003. Mortality of employees of a perfluorooctanesulfonyl fluoride manufacturing facility. *Occup Environ Med* 60:722-729.
- Altman PL, Dittmer DS. 1974. *Biological handbooks: Biology data book*. Vol. III. 2nd ed. Bethesda, MD: Federation of American Societies for Experimental Biology, 1987-2008, 2041.
- Andersen CS, Fei C, Gamborg M, et al. 2010. Prenatal exposures to perfluorinated chemicals and anthropometric measures in infancy. *Am J Epidemiol* 172(11):1230-1237.
- Andersen CS, Fei C, Gamborg M, et al. 2013. Prenatal exposures to perfluorinated chemicals and anthropometry at 7 years of age. *Am J Epidemiol* 178(6):921-927.
- Andersen ME, Krishnan K. 1994. Relating *in vitro* to *in vivo* exposures with physiologically based tissue dosimetry and tissue response models. In: Salem H, ed. *Animal test alternatives: Refinement, reduction, replacement*. New York, NY: Marcel Dekker, Inc., 9-25.
- Andersen ME, Butenhoff JL, Chang SC, et al. 2008. Perfluoroalkyl acids and related chemistries-toxicokinetics and modes of action. *Toxicol Sci* 102(1):3-14.
- Andersen ME, Clewell HJ, Gargas ML, et al. 1987. Physiologically based pharmacokinetics and the risk assessment process for methylene chloride. *Toxicol Appl Pharmacol* 87(2):185-205.
- Andersen ME, Clewell HJ, Tan YM, et al. 2006. Pharmacokinetic modeling of saturable, renal resorption of perfluoroalkylacids in monkeys - probing the determinants of long plasma half-lives. *Toxicology* 227(1-2):156-164.
- Anderson-Mahoney P, Kotlerman J, Takhar H, et al. 2008. Self-reported health effects among community residents exposed to perfluorooctanoate. *New Solut* 18(2):129-143.
- Apelberg BJ, Goldman LR, Calafat AM, et al. 2007a. Determinants of fetal exposure to polyfluoroalkyl compounds in Baltimore, Maryland. *Environ Sci Technol* 41:3891-3897.
- Apelberg FJ, Witter FR, Herbstman JB, et al. 2007b. Cord serum concentrations of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in relation to weight and size at birth. *Environ Health Perspect* 115:1670-1676.
- Arand M, Coughtrie MWH, Burchell B, et al. 1991. Selective induction of bilirubin UDP-glucuronosyl-transferase by perfluorodecanoic acid. *Chem Biol Interact* 77:97-105.
- Armitage J, Cousins I, Buck RC, et al. 2006. Modeling global-scale fate and transport of perfluorooctanoate emitted from direct sources. *Environ Sci Technol* 40:6969-6975.

9. REFERENCES

- Austin ME, Kasturi BS, Barber M, et al. 2003. Neuroendocrine effects of perfluorooctane sulfonate in rats. *Environ Health Perspect* 111(12):1485-1489.
- Barbarossa A, Masetti R, Gazzotti T, et al. 2013. Perfluoroalkyl substances in human milk: A first survey in Italy. *Environ Int* 51:27-30.
- Barber JL, Berger U, Chaemfa C, et al. 2007. Analysis of per- and polyfluorinated alkyl substances in air samples from Northwest Europe. *J Environ Monit* 9:530-541.
- Barnes DG, Dourson M. 1988. Reference dose (RfD): Description and use in health risk assessments. *Regul Toxicol Pharmacol* 8(4):471-486.
- Barry V, Darrow LA, Klein M, et al. 2014. Early life perfluorooctanoic acid (PFOA) exposure and overweight and obesity risk in adulthood in a community with elevated exposure. *Environ Res* 132:62-69.
- Barry V, Winquist A, Steenland K. 2013. Perfluorooctanoic acid (PFOA) exposures and incident cancers among adults living near a chemical plant. *Environ Health Perspect* 121(11-12):1313-1318.
- Bartell SM, Calafat AM, Lyu C, et al. 2010. Rate of decline in serum PFOA concentrations after granular activated carbon filtration at two public water systems in Ohio and West Virginia. *Environ Health Perspect* 118(2):222-228.
- Barton CA, Butler LE, Zarzecki CJ, et al. 2006. Characterizing perfluorooctanoate in ambient air near the fence line of a manufacturing facility: Comparing modeled and monitored values. *J Air Waste Manag Assoc* 56:48-55.
- Barton CA, Kaiser MA, Russell MH. 2007. Partitioning and removal of perfluorooctanoate during rain events: The importance of physical-chemical properties. *J Environ Monit* 9:839-846.
- Begley TH, White K, Honigfort P, et al. 2005. Perfluorochemicals: Potential sources of and migration from food packaging. *Food Addit Contam* 22(10):1023-1031.
- Belisle H, Hagen DF. 1980. A method of the determination of perfluorooctanoic acid in blood and other biological samples. *Anal Biochem* 101:369-376.
- Benskin JP, De Silva AO, Martin LJ, et al. 2009. Disposition of perfluorinated acid isomers in Sprague-Dawley rats: Part 1: Single dose. *Environ Toxicol Chem* 28(3):542-554.
- Berger GS, ed. 1994. Epidemiology of endometriosis. In: *Endometriosis: Advanced management and surgical techniques*. New York, NY: Springer-Verlag, 3-7.
- Biegel LB, Hurtt ME, Frame SR, et al. 2001. Mechanisms of extrahepatic tumor induction by peroxisome proliferators in male CD rats. *Toxicol Sci* 60(1):44-55.
- Biegel LB, Liu RC, Hurtt ME, et al. 1995. Effects of ammonium perfluorooctanoate on Leydig cell function: *In vitro*, *in vivo*, and *ex vivo* studies. *Toxicol Appl Pharmacol* 134(1):18-25.
- Bilott RA. 2004. PFOA-exposed community blood sample results (for AR-226 and OPPT-2003-0012). Submitted to the U.S. Environmental Protection Agency under TSCA Section FYI. http://www.epa.gov/oppt/tsca8e/pubs/8ehq/2004/oct04/fyi_1004_01480a.pdf. May 5, 2014.

9. REFERENCES

- Bilott RA. 2005a. Perfluorochemical residential exposure data for Washington County, Minnesota. Submitted to the U.S. Environmental Protection Agency.
- Bilott RA. 2005b. Perfluorochemical residential exposure data for Washington County, Minnesota. Submitted to the U.S. Environmental Protection Agency. [http://yosemite.epa.gov/sab/sabproduct.nsf/1BF9ABCD791BDDE38525711F000156BE/\\$File/pfoa_sab_1ett-bilott_05-20-05.pdf](http://yosemite.epa.gov/sab/sabproduct.nsf/1BF9ABCD791BDDE38525711F000156BE/$File/pfoa_sab_1ett-bilott_05-20-05.pdf). May 5, 2014.
- Bischel HN, MacManus-Spencer LA, Zhang C, et al. 2011. Strong associations of short-chain perfluoroalkyl acids with serum albumin and investigation of binding mechanisms. *Environ Toxicol Chem* 30(11):2423-2430.
- Bjermo H, Darnerud PO, Pearson M, et al. 2013. Serum concentrations of perfluorinated alkyl acids and their associations with diet and personal characteristics among Swedish adults. *Mol Nutr Food Res* 57(12):2206-2215.
- Bjork JA, Wallace KB. 2009. Structure-activity relationships and human relevance for perfluoroalkyl acid-induced transcriptional activation of peroxisome proliferation in liver cell cultures. *Toxicol Sci* 111(1):89-99.
- Björklund JA, Thuresson K, de Wit CA. 2009. Perfluoroalkyl compounds (PFCs) in indoor dust: Concentrations, human exposure estimates, and sources. *Environ Sci Technol* 43(7):2276-2281.
- Bloom MS, Kannan K, Spliethoff HM, et al. 2010. Exploratory assessment of perfluorinated compounds and human thyroid function. *Physiol Behav* 99(2):240-245.
- Bogdanska J, Borg D, Sundstrom M, et al. 2011. Tissue distribution of ³⁵S-labelled perfluorooctane sulfonate in adult mice after oral exposure to a low environmentally relevant dose or a high experimental dose. *Toxicology* 284(1-3):54-62.
- Bonefeld-Jorgensen EC, Long M, Bossi R, et al. 2011. Perfluorinated compounds are related to breast cancer risk in Greenlandic Inuit: A case control study. *Environmental Health* 10:88.
- Bookstaff RC, Moore RW, Ingall GB, et al. 1990. Androgenic deficiency in male rats treated with perfluorodecanoic acid. *Toxicol Appl Pharmacol* 104:322-333.
- Borg D, Bogdanska J, Sundstrom M, et al. 2010. Tissue distribution of ³⁵S-labelled perfluorooctane sulfonate (PFOS) in C57Bl/6 mice following late gestational exposure. *Reprod Toxicol* 30(4):558-565.
- Bossi R, Riget FF, Dietz R. 2005. Temporal and spatial trends of perfluorinated compounds in ringed seal (*Phoca hispida*) from Greenland. *Environ Sci Technol* 39:7416-7422.
- Boulanger B, Peck AM, Schnoor JL, et al. 2005. Mass budget of perfluorooctane surfactants in Lake Ontario. *Environ Sci Technol* 39:74-79.
- Boulanger B, Vargo J, Schnoor JL, et al. 2004. Detection of perfluorooctane surfactants in Great Lakes water. *Environ Sci Technol* 38:4064-4070.
- Brantsaeter AL, Whitworth KW, Ydersbond TA, et al. 2013. Determinants of plasma concentration of perfluoroalkyl substances in pregnant Norwegian women. *Environ Int* 54:74-84.

9. REFERENCES

- Brewster DW, Birnbaum LS. 1989. The biochemical toxicity of perfluorodecanoic acid in the mouse is different from that of 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicol Appl Pharmacol* 99:544-554.
- Buck Louis GM, Peterson CM, Chen Z, et al. 2012. Perfluorochemicals and endometriosis. The ENDO study. *Epidemiology* 23(6):799-805.
- Buist SCN, Klaassen CD. 2004. Rat and mouse differences in gender-predominant expression of organic anion transporter (OAT1-3; SLC22A6-9) mRNA levels. *Drug Metab Dispos* 32(6):620-625.
- Burns DC, Ellis DA, Li H, et al. 2008. Experimental pK_a determination for perfluorooctanoic acid (PFOA) and the potential impact of pK_a concentration dependence on laboratory-measured phenomena and environmental modeling. *Environ Sci Technol* 42(24):9283-9288.
- Butenhoff JL, Bjork JA, Chang SC, et al. 2012a. Toxicological evaluation of ammonium perfluorobutyrate in rats: Twenty-eight-day and ninety-day oral gavage studies. *Reprod Toxicol* 33(4):513-530.
- Butenhoff JL, Chang S, Ehresman DJ, et al. 2009a. Evaluation of potential reproductive and developmental toxicity of potassium perfluorohexanesulfonate in Sprague Dawley rats. *Reprod Toxicol* 27:331-341.
- Butenhoff JL, Chang SC, Olsen GW, et al. 2012b. Chronic dietary toxicity and carcinogenicity study with potassium perfluorooctanesulfonate in Sprague Dawley rats. *Toxicology* 293(1-3):1-15.
- Butenhoff J, Costa G, Elcombe C, et al. 2002. Toxicity of ammonium perfluorooctanoate in male Cynomolgus monkeys after oral dosing for 6 months. *Toxicol Sci* 69(1):244-257.
- Butenhoff JL, Ehresman DJ, Chang SC, et al. 2009b. Gestational and lactational exposure to potassium perfluorooctanesulfonate (K+PFOS) in rats: Developmental neurotoxicity. *Reprod Toxicol* 27(3-4):319-330.
- Butenhoff JL, Kennedy GL, Frame SR, et al. 2004b. The reproductive toxicology of ammonium perfluorooctanoate (APFO) in the rat. *Toxicology* 196(1-2):95-116.
- Butenhoff JL, Kennedy GL, Hinderliter PM, et al. 2004c. Pharmacokinetics of perfluorooctanoate in Cynomolgus monkeys. *Toxicol Sci* 82:394-406.
- Butt CM, Mabury SA, Kwan M, et al. 2008. Spatial trends of perfluoroalkyl compounds in ringed seals (*Phoca hispida*) from the Canadian Arctic. *Environ Toxicol Chem* 27(3):542-553.
- Butt CM, Mabury SA, Muir DCG, et al. 2007a. Prevalence of long-chained perfluorinated carboxylates in seabirds from the Canadian Arctic between 1975 and 2004. *Environ Sci Technol* 41:3521-3528.
- Butt CM, Muir DCG, Stirling I, et al. 2007b. Rapid response of arctic ringed seals to changes in perfluoroalkyl production. *Environ Sci Technol* 41(1):42-49.
- C8 Science Panel. 2008. Community study summary. The studies at a glance. C8 Science Panel. <http://www.c8sciencepanel.org/studies.html>. August 12, 2008.

9. REFERENCES

- Calafat AM, Kuklenyik Z, Caudill SP, et al. 2006a. Perfluorochemicals in pooled serum samples from United States residents in 2001 and 2002. *Environ Sci Technol* 40:2128-2134.
- Calafat AM, Kuklenyik Z, Reidy JA, et al. 2007a. Serum concentrations of 11 polyfluoroalkyl compounds in the U.S. population: Data from the National Health and Nutrition Examination Survey (NHANES) 1999-2000. *Environ Sci Technol* 41:2237-2242.
- Calafat AM, Needham LL, Kuklenyik Z, et al. 2006b. Perfluorinated chemicals in selected residents of the American continent. *Chemosphere* 63:490-496.
- Calafat AM, Wong L, Kuklenyik Z, et al. 2007b. Polyfluoroalkyl chemicals in the U.S. population: Data from the National Health and Nutrition Examination Survey (NHANES) 2003-2004 and comparisons with NHANES 1999-2000. *Environ Health Perspect* 115:1596-1602.
- CAS. 2008. Registry. Columbus, OH: Chemical Abstracts Service. <http://stnweb.cas.org/>. March 14, 2008.
- Case MT, York RG, Christian MS. 2001. Rat and rabbit oral developmental toxicology studies with two perfluorinated compounds. *Int J Toxicol* 20(2):101-109.
- Cattley RC, DeLuca J, Elcombe C, et al. 1998. Do peroxisome proliferating compounds pose a hepatocarcinogenic hazard to humans? *Regul Toxicol Pharmacol* 27:47-60.
- CDC. 2013. Fourth national report on human exposure to environmental chemicals. Updated tables, September 2013. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention.
- CDC. 2014. Fourth national report on human exposure to environmental chemicals. Updated tables, August, 2014. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention.
- Celik A, Eke D, Ekinci SY, et al. 2013. The protective role of curcumin on perfluorooctane sulfonate-induced genotoxicity: Single cell gel electrophoresis and micronucleus test. *Food Chem Toxicol* 53:249-255.
- CEMN. 2008. CEMC focussing on ionizing surfactants. Canadian Environmental Modelling Network. <http://www.trentu.ca/academic/aminss/envmodel/cemn/NewsReports/CEMNnews200804.pdf>. June 24, 2008.
- Chan E, Burstyn I, Cherry N, et al. 2011. Perfluorinated acids and hypothyroxinemia in pregnant women. *Environ Res* 111(4):559-564.
- Chang S, Das K, Ehresman DJ, et al. 2008a. Comparative pharmacokinetics of perfluorobutyrate (PFBA) in rats, mice, monkeys, and humans and relevance to human exposure via drinking water. *Toxicol Sci* 104(1):40-53.
- Chang S, Ehresman DJ, Bjork JA, et al. 2009. Gestational and lactational exposure to potassium perfluorooctanesulfonate (K+PFOS) in rats: Toxicokinetics, thyroid hormone status, and related gene expression. *Reprod Toxicol* 27(3-4):387-399.

9. REFERENCES

- Chang S, Noker PE, Gorman GS, et al. 2012. Comparative pharmacokinetics of perfluorooctanesulfonate (PFOS) in rats, mice, and monkeys. *Reprod Toxicol* 33(4):428-440.
- Chang S, Thibodeaux JR, Eastvold ML, et al. 2008b. Thyroid hormone status and pituitary function in adult rats given oral doses of perfluorooctanesulfonate (PFOS). *Toxicology* 243:330-339.
- Château-Degat ML, Pereg D, Dallaire R, et al. 2010. Effects of perfluorooctanesulfonate exposure on plasma lipid levels in the Inuit population of Nunavik (Northern Quebec). *Environ Res* 110(7):710-717.
- ChemIDplus. 2008. Perfluoroalkyls. ChemIDplus. Bethesda, MD: U.S. National Library of Medicine. <http://sis.nlm.nih.gov/chemical.html>. July 10, 2008.
- Chen MH, Ha EH, Wen TW, et al. 2012a. Perfluorinated compounds in umbilical cord blood and adverse birth outcomes. *PLoS ONE* 7(8):e42474.
- Chen T, Zhang L, Yue JQ, et al. 2012b. Prenatal PFOS exposure induces oxidative stress and apoptosis in the lung of rat off-spring. *Reprod Toxicol* 33(4):538-545.
- Cheng J, Fujimura M, Zhao W, et al. 2013a. Neurobehavioral effects, c-Fos/Jun expression and tissue distribution in rat offspring prenatally co-exposed to MeHg and PFOA: PFOA impairs Hg retention. *Chemosphere* 91(6):758-764.
- *Cheng W, Yu Z, Feng L, et al. 2013b. Perfluorooctane sulfonate (PFOS) induced embryotoxicity and disruption of cardiogenesis. *Toxicol in Vitro* 27(5):1503-1512.
- Cheng X, Klaassen CD. 2008. Critical role of PPAR- α in perfluorooctanoic acid- and perfluorodecanoic acid-induced downregulation of Oatp uptake transporters in mouse livers. *Toxicol Sci* 106(1):37-45.
- Chengelis CP, Kirkpatrick JB, Myers NR, et al. 2009. Comparison of the toxicokinetic behavior of perfluorohexanoic acid (PFHxA) and nonafluorobutane-1-sulfonic acid (PFBS) in Cynomolgus monkeys and rats. *Reprod Toxicol* 27:400-406.
- Christensen KY, Maisonet M, Rubin C, et al. 2011. Exposure to polyfluoroalkyl chemicals during pregnancy is not associated with offspring age at menarche in a contemporary British cohort. *Environ Int* 37(1):129-135.
- Clara M, Scheffknecht C, Scharf S, et al. 2008. Emissions of perfluorinated alkylated substances (PFAS) from point sources. Identification of relevant branches. *Water Sci Technol* 58(1):59-66.
- Clewell HJ, Andersen ME. 1985. Risk assessment extrapolations and physiological modeling. *Toxicol Ind Health* 1(4):111-131.
- Conder JM, Hoke RA, De Wolf W, et al. 2008. Are PFCAs bioaccumulative? A critical review and comparison with regulatory criteria and persistent lipophilic compounds. *Environ Sci Technol* 42(4):995-1003.
- Cook JC, Murray SM, Frame SR, et al. 1992. Induction of Leydig cell adenomas by ammonium perfluorooctanoate: A possible endocrine-related mechanism. *Toxicol Appl Pharmacol* 113(2):209-217.
- Corton CJ, Lapinskas PJ, Gonzalez FJ. 2000. Central role of PPAR α in the mechanism of action of hepatocarcinogenic peroxisome proliferators. *Mutat Res* 448:139-151.

9. REFERENCES

- Costa G. 2004. Report on the meeting held on Friday 20th and Saturday 21st 2004 at the Inn at Montchanin Village (Wilmington, USA) with 3M and DuPont delegations. DuPont. Submitted to the U.S. Environmental Protection Agency. AR226-1866.
- Costa G, Sartori S, Consonni D. 2009. Thirty years of medical surveillance in perfluorooctanoic acid production workers. *J Occup Environ Med* 51(3):364-372.
- Costa LG, Aschner M, Vitalone A, et al. 2004. Developmental neuropathology of environmental agents. *Annu Rev Pharmacol Toxicol* 44:87-110.
- Cui L, Zhou QF, Liao CY, et al. 2009. Studies on the toxicological effects of PFOA and PFOS on rats using histological observation and chemical analysis. *Arch Environ Contam Toxicol* 56(2):338-349.
- Curran I, Hierlihy SL, Liston V, et al. 2008. Altered fatty acid homeostasis and related toxicologic sequelae in rats exposed to dietary potassium perfluorooctanesulfonate (PFOS). *J Toxicol Environ Health A* 71(23):1526-1541.
- Dai J, Li M, Jin Y, et al. 2006. Perfluorooctanesulfonate and perfluorooctanoate in red panda and giant panda from China. *Environ Sci Technol* 40:5647-5652.
- Daikin. 2007. Elimination of PFOA in fluorochemical products. Daikin Industries, Ltd. http://www.daikin.com/press/2007/071221/press_20071221.pdf. May 11, 2009.
- Dallaire R, Ayotte P, Pereg D, et al. 2009. Determinants of plasma concentrations of perfluorooctanesulfonate and brominated organic compounds in Nunavik Inuit adults (Canada). *Environ Sci Technol* 43(13):5130-5136.
- Darrow LA, Stein CR, Steenland K. 2013. Serum perfluorooctanoic acid and perfluorooctane sulfonate concentrations in relation to birth outcomes in the Mid-Ohio Valley, 2005-2010. *Environ Health Perspect* 121(10):1207-1213.
- Das KP, Grey BE, Zehr RD, et al. 2008. Effects of perfluorobutyrate exposure during pregnancy in the mouse. *Toxicol Sci* 105(1):173-181.
- Davis KL, Aucoin MD, Larsen BS, et al. 2007. Transport of ammonium perfluorooctanoate in environmental media near a fluoropolymer manufacturing facility. *Chemosphere* 67:2011-2019.
- D'eon JC, Mabury SA. 2007. Production of perfluorinated carboxylic acids (PFCAs) from the biotransformation of polyfluoroalkyl phosphate surfactants (PAPS): Exploring routes of human contamination. *Environ Sci Technol* 41(13):4799-4805.
- D'eon JC, Crozier PW, Furdui VI, et al. 2009. Observation of a commercial fluorinated material, the polyfluoroalkyl phosphoric acid diesters, in human sera, wastewater treatment plant sludge, and paper fibers. *Environ Sci Technol* 43(12):4589-4594.
- D'eon JC, Hurley MD, Wallington TJ, et al. 2006. Atmospheric chemistry of n-methyl perfluorobutane sulfonamidoethanol, C₄F₉SO₂N(CH₃)CH₂CH₂OH: Kinetics and mechanism of reaction with OH. *Environ Sci Technol* 40:1862-1868.

9. REFERENCES

- De Silva AO, Benskin JP, Martin LJ, et al. 2009. Disposition of perfluorinated acid isomers in Sprague-Dawley rats. Part 2: Subchronic dose. *Environ Toxicol Chem* 28(3):555-567.
- De Silva AO, Mabury SA. 2006. Isomer distribution of perfluorocarboxylates in human blood: Potential correlation to source. *Environ Sci Technol* 40:2903-2909.
- de Vos MG, Huijbregts MAJ, van den Heuvel-Greve MJ, et al. 2008. Accumulation of perfluorooctane sulfonate (PFOS) in the food chain of the Western Scheldt estuary: Comparing field measurements with kinetic modeling. *Chemosphere* 70:1766-1773.
- DeWitt JC, Copeland CB, Luebke RW. 2009. Suppression of humoral immunity by perfluorooctanoic acid is independent of elevated serum corticosterone concentration in mice. *Toxicol Sci* 109:106-112.
- Dewitt JC, Copeland CB, Strynar MJ, et al. 2008. Perfluorooctanoic acid-induced immunomodulation in adult C57BL/6J or C57BL/6N female mice. *Environ Health Perspect* 116(5):644-650.
- Dinglasan-Panlilio MJA, Mabury SA. 2006. Significant residual fluorinated alcohols present in various fluorinated materials. *Environ Sci Technol* 40:1447-1453.
- *Dixon D, Reed CE, Moore AB, et al. 2012. Histopathologic changes in the uterus, cervix and vagina of immature CD-1 mice exposed to low doses of perfluorooctanoic acid (PFOA) in a uterotrophic assay. *Reprod Toxicol* 33(4):506-512.
- DOE. 2012. Protective action criteria (PAC). Oak Ridge, TN: U.S. Department of Energy and Subcommittee on Consequence Assessment and Protective Actions (SCAPA). <http://orise.orau.gov/emi/scapa/chem-pacs-teels/default.htm>. January 08, 2014.
- Domingo JL, Ericson-Jogsten I, Perello G, et al. 2012a. Human exposure to perfluorinated compounds in Catalonia, Spain: Contribution of drinking water and fish and shellfish. *J Agric Food Chem* 60(17):4408-4415.
- Domingo JL, Jogsten IE, Eriksson U, et al. 2012b. Human dietary exposure to perfluoroalkyl substances in Catalonia, Spain. Temporal trend. *Food Chem* 135:1575-1582.
- Dong GH, Liu MM, Wang D, et al. 2011. Sub-chronic effect of perfluorooctanesulfonate (PFOS) on the balance of type 1 and type 2 cytokine in adult C57BL6 mice. *Arch Toxicol* 85(10):1235-1244.
- Dong GH, Tung KY, Tsai CH, et al. 2013. Serum polyfluoroalkyl concentrations, asthma outcomes, and immunological markers in a case-control study of Taiwanese children. *Environ Health Perspect* 121(4):507-513.
- Dong GH, Zhang YH, Zheng L, et al. 2009. Chronic effects of perfluorooctanesulfonate exposure on immunotoxicity in adult male C57BL/6 mice. *Arch Toxicol* 83(9):805-815.
- Dupont. 2008. Information on PFOA. http://repanet.de/PFOA2/en_US/index.html. April 07, 2008.
- Ehresman DJ, Froehlich JW, Olsen GW, et al. 2007. Comparison of human whole blood, plasma, and serum matrices for the determination of perfluorooctanesulfonate (PFOS), perfluorooctanoate (PFOA), and other fluorochemicals. *Environ Res* 103:176-184.

9. REFERENCES

- Ek CJ, Dziegielewska KM, Habgood MD, et al. 2012. Barriers in the developing brain and neurotoxicology. *Neurotoxicology* 33(3):586-604.
- Elcombe CR, Elcombe BM, Foster JR, et al. 2010. Hepatocellular hypertrophy and cell proliferation in Sprague-Dawley rats following dietary exposure to ammonium perfluorooctanoate occurs through increased activation of the xenosensor nuclear receptors PPAR α and CAR/PXR. *Arch Toxicol* 84(10):787-798.
- Elcombe CR, Elcombe BM, Foster JR, et al. 2012b. Evaluation of hepatic and thyroid responses in male Sprague Dawley rats for up to eighty-four days following seven days of dietary exposure to potassium perfluorooctanesulfonate. *Toxicology* 293(1-3):30-40.
- Elcombe CR, Elcombe BM, Foster JR, et al. 2012a. Hepatocellular hypertrophy and cell proliferation in Sprague-Dawley rats from dietary exposure to potassium perfluorooctanesulfonate results from increased expression of xenosensor nuclear receptors PPAR α and CAR/PXR. *Toxicology* 293(1-3):16-29.
- Eldasher LM, Wen X, Little MS, et al. 2013. Hepatic and renal Bcrp transporter expression in mice treated with perfluorooctanoic acid. *Toxicology* 306:108-113.
- Ellis DA, Martin JW, De Silva AO, et al. 2004. Degradation of fluorotelomer alcohols: A likely atmospheric source of perfluorinated carboxylic acids. *Environ Sci Technol* 27:225-3321.
- Emmett EA, Shofer FS, Zhang H, et al. 2006a. Community exposure to perfluorooctanoate: Relationships between serum concentrations and exposure sources. *J Occup Environ Med* 48:759-770.
- Emmett EA, Zhang H, Shofer FS, et al. 2006b. Community exposure to perfluorooctanoate: Relationships between serum levels and certain health parameters. *J Occup Environ Med* 48(8):771-779.
- Emmett EA, Zhang H, Shofer FS, et al. 2009. Development and successful application of a "community-first" communication model for community-based environmental health research. *J Occup Environ Hyg* 51(2):146-156.
- EPA. 1990. Interim methods for development of inhalation reference concentrations. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment, Office of Research and Development, Environmental Criteria and Assessment Office. EPA600/8-90/066A.
- EPA. 1997. Special report on environmental endocrine disruption: An effects assessment and analysis. Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. EPA630/R-96/012.
- EPA. 1998. RCRA waste minimization PBT priority chemical list. U.S. Environmental Protection Agency. Fed Regist 63 FR 60332. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2002. Perfluoroalkyl sulfonates; significant new use rule. U.S. Environmental Protection Agency. Fed Regist 67(236):72854-72867.
- EPA. 2003. National primary drinking water standards. Washington, DC: U.S. Environmental Protection Agency, Office of Ground Water and Drinking Water. EPA816/F-03/016. <http://www.epa.gov/safewater/mcl.html>. March 07, 2006.

9. REFERENCES

- EPA. 2005a. Draft risk assessment of the potential human health effects associated with exposure to perfluorooctanoic acid and its salts. U.S. Environmental Protection Agency. <http://www.epa.gov/opptintr/pfoa/pubs/pfoarisk.pdf>. June 26, 2007.
- EPA. 2005b. Toxic chemical release inventory reporting forms and instructions: Revised 2004 version. Section 313 of the Emergency Planning and Community Right-to-Know Act (Title III of the Superfund Amendments and Reauthorization Act of 1986). U.S. Environmental Protection Agency. Office of Environmental Information. EPA260B05001.
- EPA. 2005c. Guidelines for carcinogen risk assessment. Washington, DC: U.S. Environmental Protection Agency. EPA630P03001F. http://www.epa.gov/raf/publications/pdfs/CANCER_GUIDELINES_FINAL_3-25-05.PDF. December 10, 2014.
- EPA. 2006a. 2006 Edition of the drinking water standards and health advisories. Washington, DC: U.S. Environmental Protection Agency, Office of Water. EPA822R06013. <http://www.epa.gov/waterscience/criteria/drinking/dwstandards.pdf>. April 11, 2007.
- EPA. 2006b. National recommended water quality criteria. Washington, DC: U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. <http://www.epa.gov/waterscience/criteria/nrwqc-2006.pdf>. January 08, 2008.
- EPA. 2006c. SAB review of EPA's draft risk assessment of potential human health effects associated with PFOA and its salts. U.S. Environmental Protection Agency. [http://yosemite.epa.gov/sab/sabproduct.nsf/A3C83648E77252828525717F004B9099/\\$File/sab_06_006.pdf](http://yosemite.epa.gov/sab/sabproduct.nsf/A3C83648E77252828525717F004B9099/$File/sab_06_006.pdf). April 24, 2008.
- EPA. 2007a. Acute exposure guideline levels (AEGLs). Washington, DC: U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics. <http://www.epa.gov/oppt/aegl/pubs/compiled.pdf>. April 24, 2008.
- EPA. 2007b. The Clean Air Act amendments of 1990 list of hazardous air pollutants. Clean Air Act. U.S. Environmental Protection Agency. United States Code. 42 USC 7412. <http://www.epa.gov/ttn/atw/orig189.html>. April 24, 2008.
- EPA. 2007c. Perfluoroalkyl sulfonates; significant new use rule. U.S. Environmental Protection Agency. Fed Regist 72:57222-57235.
- EPA. 2007d. Quarterly MOU status report #6: Phase II monitoring/sampling work plan, DuPont Washington Works (PFOA site-related environmental assessment program), Appendices 3.1 through 5.1. U.S. Environmental Protection Agency. EPA-HQ-OPPT-2004-0113-0242.1. <http://www.regulations.gov/fdmspublic/component/main?main=DocketDetail&d=EPA-HQ-OPPT-2004-0113>. May 18, 2009.
- EPA. 2008a. Chemical imports and exports. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 707. <http://www.epa.gov/lawsregs/search/40cfr.html>. May 23, 2008
- EPA. 2008b. Designation of hazardous substances. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 302.4.

9. REFERENCES

- EPA. 2008c. Master testing list. Washington, DC: , U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics. <http://www.epa.gov/opptintr/chemtest/pubs/mtl.htm>. April 24, 2008.
- EPA. 2008d. Significant new uses of chemical substances. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 721. <http://www.epa.gov/lawsregs/search/40cfr.html>. May 23, 2008.
- EPA. 2008e. Toxic chemical release reporting. Chemicals and chemical categories to which this part applies. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 372.65. <http://www.epa.gov/lawsregs/search/40cfr.html>. April 24, 2008.
- EPA. 2008f. Perfluorooctanoic acid (PFOA) and fluorinated telomers. U.S. Environmental Protection Agency. <http://www.epa.gov/oppt/pfoa/>. May 29, 2008.
- EPA. 2008g. Non-confidential IUR production volume information. Inventory updating reporting. U.S. Environmental Protection Agency. <http://www.epa.gov/opptintr/iur/tools/data/2002-vol.htm>. July 09, 2008.
- EPA. 2008h. Perfluoroalkyls. Substance registry system. U.S. Environmental Protection Agency. <http://www.epa.gov/srs/>. July 10, 2008.
- EPA. 2008i. Quarterly MOU status report #10: Phase II monitoring/sampling work plan, DuPont Washington Works (PFOA site-related environmental assessment program), text, tables 4.1 through 5.10. U.S. Environmental Protection Agency. EPA-HQ-OPPT-2004-0113-0430. <http://www.regulations.gov/fdmspublic/component/main?main=DocketDetail&d=EPA-HQ-OPPT-2004-0113>. May 18, 2009.
- EPA. 2009d. Method 537. Determination of selected perfluorinated alkyl acids in drinking water by solid phase extraction and liquid chromatography/tandem mass spectrometry (LC/MS/MS). U.S. Environmental Protection Agency. http://www.epa.gov/microbes/documents/Method%20537_FINAL_rev1.1.pdf. May 5, 2014.
- EPA. 2009e. Drinking water contaminant candidate list. U.S. Environmental Protection Agency. Fed Regist 74 FR 51850:51850 -51862. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2009f. National primary drinking water regulations. Washington, DC: U.S. Environmental Protection Agency, Office of Ground Water and Drinking Water. EPA 816-F-09-0004. <http://water.epa.gov/drink/contaminants/>. January 08, 2014.
- EPA. 2009c. Perfluorocarboxylic acid content in 116 articles of commerce. Research Triangle Park, NC: U.S. Environmental Protection Agency, National Risk Management Research Laboratory, Office of Research and Development. EPA600R09033.
- EPA. 2009b. PFOS chromium electroplater study. Cleveland, OH: U.S. Environmental Protection Agency- Region 5.

9. REFERENCES

- EPA. 2009a. Provisional health advisories for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS). U.S. Environmental Protection Agency. http://media.timesfreepress.com/docs/2009/01/EPA_provisional_health_advisory_PFOA.pdf. May 19, 2009.
- EPA. 2010. Quarterly MOU Status Report #17. Phase II. Monitoring/sampling work plan. DuPont Washington Works (OPPT-2004-0113 PFOA site-related environmental assessment program). U.S. Environmental Protection Agency. Project No: 18984356.05013.
- EPA. 2012. Drinking water standards and health advisories. Washington, DC: U.S. Environmental Protection Agency, Office of Water. EPA822S12001. <http://water.epa.gov/drink/standards/hascience.cfm>. January 08, 2014.
- EPA. 2013a. Acute exposure guideline levels (AEGLs). Washington, DC: U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics. <http://www.epa.gov/oppt/aegl/>. January 08, 2014.
- EPA. 2013b. Endocrine disruptor screening program; final second list of chemicals and substances for Tier 1 screening. U.S. Environmental Protection Agency. Fed Regist 78 FR 35922:35922-35928. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013c. Designated as hazardous substances in accordance with section 311(b)(2)(a) of the Clean Water Act. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 116.4. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013d. Identification and listing of hazardous waste. Hazardous constituents. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 261, Appendix VIII. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013e. National primary drinking water regulations. Monitoring requirements for unregulated contaminants. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 141.40. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013f. Reportable quantities of hazardous substances designated pursuant to section 311 of the Clean Water Act. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 117.3. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013g. Significant new uses for specific chemical substances. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 721. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013h. Standards for owners and operators of hazardous waste TSD facilities. Groundwater monitoring list. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 264, Appendix IX. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013i. Superfund, emergency planning, and community right-to-know programs. Designation, reportable quantities, and notifications. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 302.4. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013j. Superfund, emergency planning, and community right-to-know programs. Extremely hazardous substances and their threshold planning quantities. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 355, Appendix A. <http://www.gpo.gov/fdsys>. January 08, 2014.

9. REFERENCES

- EPA. 2013k. Superfund, emergency planning, and community right-to-know programs. Toxic chemical release reporting. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 372.65. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013l. Toxic Substances Control Act. Chemical lists and reporting periods. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 712.30. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2013m. Toxic Substances Control Act. Health and safety data reporting. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 716.120. <http://www.gpo.gov/fdsys>. January 08, 2014.
- EPA. 2014a. Acute exposure guideline levels (AEGLs). Second AEGL chemical priority list. Washington, DC: U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics. http://www.epa.gov/opptintr/aegl/pubs/priority_2.htm. January 08, 2014.
- EPA. 2014b. Hazardous air pollutants. Clean Air Act. U.S. Environmental Protection Agency. United States Code 42 USC 7412. <http://www.epa.gov/ttn/atw/orig189.html>. January 08, 2014.
- EPA. 2014c. Inert ingredients permitted for use in nonfood pesticide products. Washington, DC: U.S. Environmental Protection Agency. <http://iaspub.epa.gov/apex/pesticides/f?p=124:1>. January 08, 2014.
- EPA. 2014d. Master testing list. Washington, DC: U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics. <http://www.epa.gov/opptintr/chemtest/pubs/mtl.html>. January 08, 2014.
- EPA. 2014e. National ambient air quality standards (NAAQS). Washington, DC: U.S. Environmental Protection Agency, Office of Air and Radiation. <http://www.epa.gov/air/criteria.html>. January 08, 2014.
- EPA. 2014f. National recommended water quality criteria. Washington, DC: U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. <http://water.epa.gov/scitech/swguidance/standards/criteria/current/index.cfm>. January 08, 2014.
- Era S, Harada KH, Toyoshima M, et al. 2009. Cleft palate caused by perfluorooctane sulfonate is caused mainly by extrinsic factors. *Toxicology* 256(1-2):42-47.
- Eriksen KT, Raaschou-Nielsen O, McLaughlin JK, et al. 2013. Association between plasma PFOA and PFOS levels and total cholesterol in a middle-aged Danish population. *PLoS ONE* 8(2):e56969.
- Eriksen KT, Raaschou-Nielsen O, Sorensen M, et al. 2010. Genotoxic potential of the perfluorinated chemicals PFOA, PFOS, PFBS, PFNA and PFHxA in human HepG2 cells. *Mutat Res* 700(1-2):39-43.
- Eriksen KT, Sorensen M, McLaughlin JK, et al. 2009. Perfluorooctanoate and perfluorooctanesulfonate plasma levels and risk of cancer in the general Danish population. *J Natl Cancer Inst* 101(8):605-609.
- Fábrega F, Kumar V, Schuhmacher M, et al. 2014. PBPK modeling for PFOS and PFOA: Validation with human experimental data. *Toxicol Lett* 230(2):244-251.
- Fairley KJ, Purdy R, Kearns S, et al. 2007. Exposure to the immunosuppressant, perfluorooctanoic acid, enhances the murine IgE and airway hyperreactivity response to ovalbumin. *Toxicol Sci* 97(2):375-383.

9. REFERENCES

- Fang X, Gao G, Xue H, et al. 2012a. Exposure of perfluorononanoic acid suppresses the hepatic insulin signal pathway and increases serum glucose in rats. *Toxicology* 294(2-3):109-115.
- Fang X, Gao G, Xue H, et al. 2012b. *In vitro* and *in vivo* studies of the toxic effects of perfluorononanoic acid on rat hepatocytes and Kupffer cells. *Environ Toxicol Pharmacol* 34(2):484-494.
- Fang X, Zhang L, Feng Y, et al. 2008. Immunotoxic effects of perfluorononanoic acid on BALB/c mice. *Toxicol Sci* 105(2):312-321.
- Fasano WJ, Carpenter SC, Gannon SA, et al. 2006. Absorption, distribution, metabolism, and elimination of 8-2 fluorotelomer alcohol in the rat. *Toxicol Sci* 91(2):341-355.
- Fasano WJ, Kennedy GL, Szostek B, et al. 2005. Penetration of ammonium perfluorooctanoate through rat and human skin *in vitro*. *Drug Chem Toxicol* 28(1):79-90.
- *FDA. 2014. Everything added to food in the United States (EAFUS). Washington, DC: U.S. Food and Drug Administration. <http://www.accessdata.fda.gov/scripts/fcn/fcnavigation.cfm?rpt=eafuslisting>. January 08, 2014.
- Fei C, Olsen J. 2011. Prenatal exposure to perfluorinated chemicals and behavioral or coordination problems at age 7 years. *Environ Health Perspect* 119(4):573-578.
- Fei C, McLaughlin JK, Lipworth L, et al. 2009. Maternal levels of perfluorinated chemicals and subfecundity. *Hum Reprod* 24(5):1200-1205.
- Fei C, McLaughlin JK, Lipworth L, et al. 2008b. Prenatal exposure to perfluorooctanoate (PFOA) and perfluorooctanesulfonate (PFOS) and maternally reported developmental milestones in infancy. *Environ Health Perspect* 116(10):1391-1395.
- Fei C, McLaughlin JK, Tarone RE, et al. 2007. Perfluorinated chemicals and fetal growth: A study within the Danish National Birth Cohort. *Environ Health Perspect* 115:1677-1682.
- Fei C, McLaughlin JK, Tarone RE, et al. 2008a. Fetal growth indicators and perfluorinated chemicals: A study in the Danish National Birth Cohort. *Am J Epidemiol* 168(1):66-72.
- Fei C, Weinberg CR, Olsen J. 2012. Commentary: Perfluorinated chemicals and time to pregnancy: A link based on reverse causation? *Epidemiology* 23(2):264-266.
- Fenton SE, Reiner JL, Nakayama SF, et al. 2009. Analysis of PFOA in dosed CD-1 mice. Part 2. Disposition of PFOA in tissues and fluids from pregnant and lactating mice and their pups. *Reprod Toxicol* 27(3-4):365-372.
- Fernández Freire P, Pérez Martin JM, Herrero O, et al. 2008. *In vitro* assessment of the cytotoxic and mutagenic potential of perfluorooctanoic acid. *Toxicol in Vitro* 22:1228-1233.
- Fisher M, Arbuckle TE, Wade M, et al. 2013. Do perfluoroalkyl substances affect metabolic function and plasma lipids? Analysis of the 2007-2009, Canadian Health Measures Survey (CHMS) Cycle 1. *Environ Res* 121:95-103.

9. REFERENCES

- Fitz-Simon N, Fletcher T, Luster MI, et al. 2013. Reductions in serum lipids with a 4-year decline in serum perfluorooctanoic acid and perfluorooctanesulfonic acid. *Epidemiology* 24(4):569-576.
- Flaherty JM, Connolly PD, Decker ER, et al. 2005. Quantitative determination of perfluorooctanoic acid in serum and plasma by liquid chromatography tandem mass spectrometry. *J Chromatogr B Biomed Sci Appl* 819:329-338.
- Florentin A, Deblonde T, Diguio N, et al. 2011. Impacts of two perfluorinated compounds (PFOS and PFOA) on human hepatoma cells: Cytotoxicity but no genotoxicity? *Int J Hyg Environ Health* 214(6):493-499.
- Fomon SJ. 1966. Body composition of the infant: Part I: The male reference infant. In: Falkner F, ed. *Human development*. Philadelphia, PA: WB Saunders, 239-246.
- Fomon SJ, Haschke F, Ziegler EE, et al. 1982. Body composition of reference children from birth to age 10 years. *Am J Clin Nutr* 35(Suppl 5):1169-1175.
- Food Standards Agency. 2006. FSIS 11/06. Fluorinated chemicals: UK dietary intakes. Food Standards Agency. <http://www.food.gov.uk/multimedia/pdfs/fsis1106.pdf>. June 28, 2008.
- Franko J, Meade BJ, Frasch HF, et al. 2012. Dermal penetration potential of perfluorooctanoic acid (PFOA) in human and mouse skin. *J Toxicol Environ Health A* 75(1):50-62.
- Frisbee SJ, Brooks AP, Jr., Maher A, et al. 2009. The C8 health project: Design, methods, and participants. *Environ Health Perspect* 117(12):1873-1882.
- Frisbee SJ, Shankar A, Knox SS, et al. 2010. Perfluorooctanoic acid, perfluorooctanesulfonate, and serum lipids in children and adolescents: Results from the C8 Health Project. *Arch Pediatr Adolesc Med* 164(9):860-869.
- Fromme H, Midasch O, Twardella D, et al. 2007a. Occurrence of perfluorinated substances in an adult German population in southern Bavaria. *Int Arch Occup Environ Health* 80:313-319.
- Fromme H, Mosch C, Morovitz M, et al. 2010. Pre- and postnatal exposure to perfluorinated compounds (PFCs). *Environ Sci Technol* 44(18):7123-7129.
- Fromme H, Schlummer M, Moller A, et al. 2007b. Exposure of an adult population to perfluorinated substances using duplicate diet portions and biomonitoring data. *Environ Sci Technol* 41:7928-7933.
- Fromme H, Tittlemier SA, Volkel W, et al. 2009. Perfluorinated compounds-exposure assessment for the general population in western countries. *Int J Hyg Environ Health* 212(3):239-270.
- Fuentes S, Colomina MT, Rodriguez J, et al. 2006. Interactions in developmental toxicology: Concurrent exposure to perfluorooctane sulfonate (PFOS) and stress in pregnant mice. *Toxicol Lett* 164(1):81-89.
- Fuentes S, Colomina MT, Vicens P, et al. 2007a. Influence of maternal restraint stress on the long-lasting effects induced by prenatal exposure to perfluorooctane sulfonate (PFOS) in mice. *Toxicol Lett* 171:162-170.

9. REFERENCES

- Fuentes S, Vicens P, Colomina MT, et al. 2007b. Behavioral effects in adult mice exposed to perfluorooctane sulfonate (PFOS). *Toxicology* 242:123-129.
- Fujii Y, Harada KH, Koizumi A. 2013. Occurrence of perfluorinated carboxylic acids (PFCAs) in personal care products and compounding agents. *Chemosphere* 93(3):538-544.
- Fujii Y, Yan J, Harada KH, et al. 2012. Levels and profiles of long-chain perfluorinated carboxylic acids in human breast milk and infant formulas in East Asia. *Chemosphere* 86(3):315-321.
- Furdui F, Stock N, Ellis DA, et al. 2007. Spatial distribution of perfluoroalkyl contaminants in lake trout from the Great Lakes. *Environ Sci Technol* 41:1554-1559.
- Gallo V, Leonardi G, Brayne C, et al. 2013. Serum perfluoroalkyl acids concentrations and memory impairment in a large cross-sectional study. *BMJ Open* 3(6):e002414.
- Gallo V, Leonardi G, Genser B, et al. 2012. Serum perfluorooctanoate (PFOA) and perfluorooctane sulfonate (PFOS) concentrations and liver function biomarkers in a population with elevated PFOA exposure. *Environ Health Perspect* 120(5):655-660.
- Gauthier SA, Mabury SA. 2005. Aqueous photolysis of 8:2 fluorotelomer alcohol. *Environ Toxicol Chem* 24(8):1837-1846.
- Geiger SD, Xiao J, Shankar A. 2013. Positive association between perfluoroalkyl chemicals and hyperuricemia in children. *Am J Epidemiol* 177(11):1255-1262.
- George ME, Andersen ME. 1986. Toxic effects of nonadecafluoro-n-decanoic acid in rats. *Toxicol Appl Pharmacol* 85:169-180.
- Gewurtz SB, Bhavsar SP, Crozier PW, et al. 2009. Perfluoroalkyl contaminants in window film: Indoor/outdoor, urban/rural, and winter/summer contamination and assessment of carpet as a possible source. *Environ Sci Technol* 43(19):7317-7323.
- Giesy JP, Kannan K. 2001. Global distribution of perfluorooctane sulfonate in wildlife. *Environ Sci Technol* 35(7):1339-1342.
- Gilliland FD, Mandel JS. 1993. Mortality among employees of a perfluorooctanoic acid production plant. *J Occup Med* 35(9):950-954.
- Gilliland FD, Mandel JS. 1996. Serum perfluorooctanoic acid and hepatic enzymes, lipoproteins, and cholesterol: A study of occupationally exposed men. *Am J Ind Med* 29(5):560-568.
- Giwercman A, Carlsen E, Keiding N, et al. 1993. Evidence for increasing incidence of abnormalities of the human testis: A review. *Environ Health Perspect Suppl* 101(2):65-71.
- Goecke CM, Jarnot BM, Reo NV. 1992. A comparative toxicological investigation of perfluorocarboxylic acids in rats by fluorine-19 NMR spectroscopy. *Chem Res Toxicol* 5(4):512-519.
- Goecke-Flora CM, Reo NV. 1996. Influence of carbon chain length on the hepatic effects of perfluorinated fatty acids. A ¹⁹F- and ³¹P-NMR investigation. *Chem Res Toxicol* 9(4):689-695.

9. REFERENCES

- Gortner EG, Lamprecht EG, Case MT. 1982. Oral teratology study of T-3141CoC in rabbits. St. Paul, MN: Riker Laboratories, Inc.
- Gotoh Y, Kato Y, Stieger B, et al. 2002. Gender difference in the Oatp1-mediated tubular reabsorption of estradiol 17 β -D-glucuronide in rats. *Am J Physiol Endocrinol Metab* 282:E1245-E1254.
- Grandjean P, Budtz-Jorgensen E. 2013. Immunotoxicity of perfluorinated alkylates: Calculation of benchmark doses based on serum concentrations in children. *Environ Health* 12(1):35.
- Grandjean P, Andersen EW, Budtz-Jorgensen E, et al. 2012. Serum vaccine antibody concentrations in children exposed to perfluorinated compounds. *J Am Med Assoc* 307(4):391-397.
- Granum B, Haug LS, Namork E, et al. 2013. Pre-natal exposure to perfluoroalkyl substances may be associated with altered vaccine antibody levels and immune-related health outcomes in early childhood. *J Immunotoxicol* 10(4):373-379.
- Grasty RC, Bjork JA, Wallace KB, et al. 2005. Effects of prenatal perfluorooctane sulfonate (PFOS) exposure on lung maturation in the perinatal rat. *Birth Defects Res B Dev Reprod Toxicol* 74:405-416.
- Grasty RC, Wolf DC, Grey BE, et al. 2003. Prenatal window of susceptibility to perfluorooctane sulfonate-induced neonatal mortality in the Sprague-Dawley rat (corrigendum in *Birth Defects Res B* 77(1):86). *Birth Defects Res B* 68(6):465-471.
- Grice MM, Alexander BH, Hoffbeck R, et al. 2007. Self-reported medical conditions in perfluorooctanesulfonyl fluoride manufacturing workers. *J Occup Environ Med* 49(7):722-729.
- Griffith FD, Long JE. 1980. Animal toxicity studies with ammonium perfluorooctanoate. *Am Ind Hyg Assoc J* 41(8):576-583.
- Gump BB, Wu Q, Dumas AK, et al. 2011. Perfluorochemical (PFC) exposure in children: Associations with impaired response inhibition. *Environ Sci Technol* 45(19):8151-8159.
- Guruge KS, Hikono H, Shimada N, et al. 2009. Effect of perfluorooctane sulfonate (PFOS) on influenza A virus-induced mortality in female B6C3F1 mice. *J Toxicol Sci* 34(6):687-691.
- Guruge KS, Yeung LW, Yamanaka N, et al. 2006. Gene expression profiles in rat liver treated with perfluorooctanoic acid (PFOA). *Toxicol Sci* 89(1):93-107.
- Gutshall DM, Pilcher GD, Langley AE. 1988. Effects of thyroxine supplementation on the response to perfluoro-n-decanoic acid (PFDA) in rats. *J Toxicol Environ Health* 24(4):491-498.
- Gutshall DM, Pilcher GD, Langley AE. 1989. Mechanism of the serum thyroid hormone lowering effect of perfluoro-n-decanoic acid PFDA in rats. *J Toxicol Environ Health* 28(1):53-66.
- Gützkow KB, Haug LS, Thomsen C, et al. 2012. Placental transfer of perfluorinated compounds is selective. A Norwegian mother and child sub-cohort study. *Int J Hyg Environ Health* 215(2):216-219.
- Guzelian PS, Henry CJ, Olin SS, eds. 1992. Similarities and differences between children and adults: Implications for risk assessment. Washington, DC: International Life Sciences Institute Press.

9. REFERENCES

- Halldorsson TI, Rytter D, Haug LS, et al. 2012. Prenatal exposure to perfluorooctanoate and risk of overweight at 20 years of age: A prospective cohort study. *Environ Health Perspect* 120(5):668-673.
- Hamm MP, Cherry NM, Chan E, et al. 2010. Maternal exposure to perfluorinated acids and fetal growth. *J Expo Sci Environ Epidemiol* 20(7):589-597.
- Han X, Hinderliter PM, Snow TA, et al. 2004. Binding of perfluorooctanoic acid to rat liver-form and kidney-form α 2u-globulins. *Drug Chem Toxicol* 27(4):341-360.
- Han X, Kemper RA, Jepson GW. 2005. Subcellular distribution and protein binding of perfluorooctanoic acid in rat liver and kidney. *Drug Chem Toxicol* 28(2):197-209.
- Han X, Snow TA, Kemper RA, et al. 2003. Binding of perfluorooctanoic acid to rat and human plasma proteins. *Chem Res Toxicol* 16:775-781.
- Hanhijarvi H, Ophaug RH, Singer L. 1982. The sex-related difference in perfluorooctanoate excretion in the rat. *Proc Soc Exp Biol Med* 171:50-55.
- Hanhijarvi H, Ylinen M, Kojo A, et al. 1987. Elimination and toxicity of perfluorooctanoic acid during subchronic administration in the Wistar rat. *Pharmacol Toxicol* 61(1):66-68.
- Hansen KJ, Clemen LA, Ellefson ME, et al. 2001. Compound-specific, quantitative characterization of organic fluorochemicals in biological matrices. *Environ Sci Technol* 35:766-770.
- Hansen KJ, Johnson HO, Eldridge JS, et al. 2002. Quantitative characterization of trace levels of PFOS and PFOA in the Tennessee River. *Environ Sci Technol* 36:1681-1685.
- Hanssen L, Dudarev AA, Huber S, et al. 2013. Partition of perfluoroalkyl substances (PFASs) in whole blood and plasma, assessed in maternal and umbilical cord samples from inhabitants of arctic Russia and Uzbekistan. *Sci Total Environ* 447:430-437.
- Hanssen L, Rollin H, Odland JO, et al. 2010. Perfluorinated compounds in maternal serum and cord blood from selected areas of South Africa: Results of a pilot study. *J Environ Monit* 12(6):1355-1361.
- *Harada K, Inoue K, Morikawa A, et al. 2005a. Renal clearance of perfluorooctane sulfonate and perfluorooctanoate in humans and their species-specific excretion. *Environ Res* 99:253-261.
- Harada K, Nakanishi S, Saito N, et al. 2005b. Airborne perfluorooctanoate may be a substantial source contamination in Kyoto area, Japan. *Bull Environ Contam Toxicol* 74:64-69.
- Harada K, Nakanishi S, Sasaki K, et al. 2006. Particle size distribution and respiratory deposition estimates of airborne perfluorooctanoate and perfluorooctanesulfonate in Kyoto area, Japan. *Bull Environ Contam Toxicol* 76(2):306-310.
- Harada K, Saito N, Sasaki K, et al. 2003. Perfluorooctane sulfonate contamination of drinking water in the Tama River, Japan: Estimated effects on resident serum levels. *Bull Environ Contam Toxicol* 71(1):31-36.
- Harada KH, Koizumi A. 2009. Environmental and biological monitoring of persistent fluorinated compounds in Japan and their toxicities. *Environ Health Prev Med* 14(1):7-19.

9. REFERENCES

- Harada KH, Hashida S, Kaneko T, et al. 2007. Biliary excretion and cerebrospinal fluid partition of perfluorooctanoate and perfluorooctane sulfonate in humans. *Environ Toxicol Pharmacol* 24(2):134-139.
- Hardell E, Karrman A, van Bavel B, et al. 2014. Case-control study on perfluorinated alkyl acids (PFAAs) and the risk of prostate cancer. *Environ Int* 63:35-39.
- Hardisty JF, Willson GA, Brown WR, et al. 2010. Pathology Working Group review and evaluation of proliferative lesions of mammary gland tissues in female rats fed ammonium perfluorooctanoate (APFO) in the diet for 2 years. *Drug Chem Toxicol* 33(2):131-137.
- Harris LA, Barton HA. 2008. Comparing single and repeated dosimetry data for perfluorooctane sulfonate in rats. *Toxicol Lett* 181(3):148-156.
- Harris MW, Birnbaum LS. 1989. Developmental toxicity of perfluorodecanoic acid in C57BL/6N mice. *Fundam Appl Toxicol* 12:442-448.
- Harris MW, Uraih LC, Birnbaum LS. 1989. Acute toxicity of perfluorodecanoic acid in C57BL/6 mice differs from 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Fundam Appl Toxicol* 13:723-726.
- Haughom B, Spydevold O. 1992. The mechanism underlying the hypolipemic effect of perfluorooctanoic acid (PFOA), perfluorooctane sulphonic acid (PFOSA) and clofibrilic acid. *Biochim Biophys Acta* 1128(1):65-72.
- HazDat. 2007. Perfluoroalkyls. HazDat Database: ATSDR's Hazardous Substance Release and Health Effects Database. Atlanta, GA: Agency for Toxic Substances and Disease Registry. <http://www.atsdr.cdc.gov/hazdat.html>. May 1, 2008.
- Hekster FM, Laane RW, de Voogt P. 2003. Environmental and toxicity effects of perfluoroalkylated substances. *Rev Environ Contam Toxicol* 179:99-121.
- Henderson WM, Smith MA. 2007. Perfluorooctanoic acid and perfluorononanoic acid in fetal and neonatal mice following *in utero* exposure to 8-2 fluorotelomer alcohol. *Toxicol Sci* 95(2):452-461.
- *Henwood SM. 1997. 5 Daily dose oral toxicity study with T-6669 in rats. [Unpublished study] 3M.
- Hinderliter PM, DeLorme MP, Kennedy GL. 2006a. Perfluorooctanoic acid: Relationship between repeated inhalation exposures and plasma PFOA concentration in the rat. *Toxicology* 222:80-85.
- Hinderliter PM, Han X, Kennedy GL, et al. 2006b. Age effect on perfluorooctanoate (PFOA) plasma concentration in post-weaning rats following oral gavage with ammonium perfluorooctanoate (APFO). *Toxicology* 225:195-203.
- Hinderliter PM, Mylchreest E, Gannon SA, et al. 2005. Perfluorooctanoate: Placental and lactational transport pharmacokinetics in rats. *Toxicology* 211:139-148.
- Hines EP, White SS, Stanko JP, et al. 2009. Phenotypic dichotomy following developmental exposure to perfluorooctanoic acid (PFOA) in female CD-1 mice: Low doses induce elevated serum leptin and insulin, and overweight in mid-life. *Mol Cell Endocrinol* 304(1-2):97-105.
- Hoberman AM, York RG. 2003. Oral (gavage) combined repeated dose toxicity study of T-7706 with the reproduction/developmental toxicity screening test. Argus Research.

9. REFERENCES

- Hoel DG, Davis DL, Miller AB, et al. 1992. Trends in cancer mortality in 15 industrialized countries, 1969-1986. *J Natl Cancer Inst* 84(5):313-320.
- Hoffman K, Webster TF, Bartell SM, et al. 2011. Private drinking water wells as a source of exposure to perfluorooctanoic acid (PFOA) in communities surrounding a fluoropolymer production facility. *Environ Health Perspect* 119(1):92-97.
- Hoffman K, Webster TF, Weisskopf MG, et al. 2010. Exposure to polyfluoroalkyl chemicals and attention deficit/hyperactivity disorder in U.S. children 12-15 years of age. *Environ Health Perspect* 118(12):1762-1767.
- Holm A, Wilson SR, Molander P, et al. 2004. Determination of perfluorooctane sulfonate and perfluorooctanoic acid in human plasma by large volume injection capillary column switching liquid chromatography coupled to electrospray ionization mass spectrometry. *J Sep Sci* 27:1071-1079.
- Hölzer J, Midasch O, Rauchfuss K, et al. 2008. Biomonitoring of perfluorinated compounds in children and adults exposed to perfluorooctanoate-contaminated drinking water. *Environ Health Perspect* 116(5):651-657.
- Hori H, Hayakawa E, Einaga H, et al. 2004. Decomposition of environmentally persistent perfluorooctanoic acid in water by photochemical approaches. *Environ Sci Technol* 38:6118-6124.
- Houde M, Bujas TD, Small J, et al. 2006a. Biomagnification of perfluoroalkyl compounds in the bottlenose dolphin (*Tursiops truncatus*) food web. *Environ Sci Technol* 40:4138-4144.
- Houde M, Martin JW, Letcher RJ, et al. 2006b. Biological monitoring of polyfluoroalkyl substances: A Review. *Environ Sci Technol* 40(11):3463-3473.
- Houde M, Wells RS, Fair PA, et al. 2005. Polyfluoroalkyl compounds in free-ranging bottlenose dolphins (*Tursiops truncatus*) from the Gulf of Mexico and the Atlantic Ocean. *Environ Sci Technol* 39:6591-6598.
- Hu Q, Strynar MJ, DeWitt JC. 2010. Are developmentally exposed C57BL/6 mice insensitive to suppression of TDAR by PFOA? *J Immunotoxicol* 7(4):344-349.
- Hu W, Jones PD, Upham BL, et al. 2002. Inhibition of gap junctional intercellular communication by perfluorinated compounds in rat liver and dolphin kidney epithelial cell lines *in vitro* and Sprague-Dawley rats *in vivo*. *Toxicol Sci* 68(2):429-426.
- Hu W, Jones PD, Celius T, et al. 2005. Identification of genes responsive to PFOS using gene expression profiling. *Environ Toxicol Pharmacol* 19:57-70.
- Hu Wy, Jones PD, DeCoen W, et al. 2003. Alterations in cell membrane properties caused by perfluorinated compounds. *Comp Biochem Physiol C Pharmacol Toxicol Endocrinol* 135:77-88.
- Humblet O, Dias-Ramirez LG, Balmes JR, et al. 2014. Perfluoroalkyl chemicals and asthma among children 12-19 years of age: NHANES (1999-2008). *Environ Health Perspect* 122(10):1129-1133.

9. REFERENCES

- Hundley SG, Sarrif AM, Kennedy GL. 2006. Absorption, distribution, and excretion of ammonium perfluorooctanoate (APFO) after oral administration to various species. *Drug Chem Toxicol* 29(2):137-145.
- Hurley MD, Andersen MPS, Wallington TJ, et al. 2004. Atmospheric chemistry of perfluorinated carboxylic acids: Reaction with OH radicals and atmospheric lifetimes. *J Phys Chem* 108:615-620.
- IARC. 2008. Agents reviewed by the IARC monographs: Volumes 1-99. Lyon, France: International Agency for Research on Cancer. <http://monographs.iarc.fr/ENG/Classification/index.php>. April 24, 2008.
- IARC. 2014. Agents classified by the IARC monographs. Volumes 1-109. Lyon, France: International Agency for Research on Cancer. <http://monographs.iarc.fr/ENG/Classification/index.php>. May 15, 2014.
- ICRP. 1981. Report of the task group on reference man. ICRP Publication 28. International Commission on Radiological Protection. Oxford: Pergamon Press, 32-40.
- Ikeda T, Aiba K, Fukuda K, et al. 1985. The induction of peroxisome proliferation in rat liver by perfluorinated fatty acids, metabolically inert derivatives of fatty acids. *J Biochem (Tokyo)*98:475-482.
- Innes KE, Ducatman AM, Luster MI, et al. 2011. Association of osteoarthritis with serum levels of the environmental contaminants perfluorooctanoate and perfluorooctane sulfonate in a large Appalachian population. *Am J Epidemiol* 174(4):440-450.
- Innes KE, Wimsatt JH, Frisbee S, et al. 2014. Inverse association of colorectal cancer prevalence to serum levels of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in a large Appalachian population. *BMC Cancer*[electronic resource]. <http://www.bilomedcentral.com/1471/14/45>. December 10, 2011.
- Inoue K, Okada F, Ito R, et al. 2004a. Determination of perfluorooctane sulfonate, perfluorooctanoate and perfluorooctane sulfonylamide in human plasma by column-switching liquid chromatography-electrospray mass spectrometry coupled with solid-phase extraction. *J Chromatogr B Biomed Sci Appl* 810:49-56.
- Inoue K, Okada F, Ito R, et al. 2004b. Perfluorooctane sulfonate (PFOS) and related perfluorinated compounds in human maternal and cord blood samples: Assessment of PFOS exposure in a susceptible population during pregnancy. *Environ Health Perspect* 112:1204-1207.
- IRIS. 2014. Integrated Risk Information System. Washington, DC: U.S. Environmental Protection Agency. <http://www.epa.gov/iris/>. December 5, 2014.
- Issemann I, Green S. 1990. Activation of a member of a steroid hormone receptor superfamily by peroxisome proliferators. *Nature* 347:645-650.
- Iwai H, Yamashita K. 2006. A fourteen-day repeated dose oral toxicity study of APFO in rats. *Drug Chem Toxicol* 29:323-332.
- Jacquet N, Maire MA, Landkocz Y, et al. 2012. Carcinogenic potency of perfluorooctane sulfonate (PFOS) on Syrian hamster embryo (SHE) cells. *Arch Toxicol* 86(2):305-314.

9. REFERENCES

- Jahnke A, Berger U, Ebinghaus R, et al. 2007a. Latitudinal gradient of airborne polyfluorinated alkyl substances in the marine atmosphere between Germany and South Africa (53° N-33° S). *Environ Sci Technol* 41(9):3055-3061.
- Jahnke A, Huber S, Temme C, et al. 2007b. Development and application of a simplified sampling method for volatile polyfluorinated alkyl substances in indoor and environmental air. *J Chromatogr A* 1164:1-9.
- Jandacek RJ, Rider T, Keller ER, et al. 2010. The effect of olestra on the absorption, excretion and storage of 2,2',5,5' tetrachlorobiphenyl; 3,3',4,4' tetrachlorobiphenyl; and perfluorooctanoic acid. *Environ Int* 36(8):880-883.
- Jensen MS, Norgaard-Pedersen B, Toft G, et al. 2012. Phthalates and perfluorooctanesulfonic acid in human amniotic fluid: Temporal trends and timing of amniocentesis in pregnancy. *Environ Health Perspect* 120(6):897-903.
- Ji K, Kim S, Kho Y, et al. 2012. Serum concentrations of major perfluorinated compounds among the general population in Korea: Dietary sources and potential impact on thyroid hormones. *Environ Int* 45:78-85.
- Jin YH, Liu W, Sato I, et al. 2009. PFOS and PFOA in environmental and tap water in China. *Chemosphere* 77(5):605-611.
- Joensen UN, Bossi R, Leffers H, et al. 2009. Do perfluoroalkyl compounds impair human semen quality? *Environ Health Perspect* 117(6):923-927.
- Joensen UN, Veyrand B, Antignac JP, et al. 2013. PFOS (perfluorooctanesulfonate) in serum is negatively associated with testosterone levels, but not with semen quality, in healthy men. *Hum Reprod* 28(3):599-608.
- Jogsten IE, Perello G, Llebaria X, et al. 2009. Exposure to perfluorinated compounds in Catalonia, Spain, through consumption of various raw and cooked foodstuffs, including packaged food. *Food Chem Toxicol* 47:1577-1583.
- Johanson CE. 1980. Permeability and vascularity of the developing brain: Cerebellum vs cerebral cortex. *Brain Res* 190(1):3-16.
- Johansson N, Eriksson P, Viberg H. 2009. Neonatal exposure to PFOS and PFOA in mice results in changes in proteins which are important for neuronal growth and synaptogenesis in the developing brain. *Toxicol Sci* 108(2):412-418.
- Johansson N, Fredriksson A, Eriksson P. 2008. Neonatal exposure to perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) causes neurobehavioural defects in adult mice. *Neurotoxicology* 29:160-169.
- Johnson JD. 1995a. Final report. Analytical study, single-dose dermal absorption/toxicity study of T6049 in rabbits. *In vivo* reference number: HWI#6329-130. 3M. SCD Division.
- Johnson JD. 1995b. Final report. Analytical study, single-dose dermal absorption/toxicity study of T6053 in rabbits (lithium perfluorooctane sulfonate). *In vivo* study reference number: HWI#6329-137. 3M. SCD Division.

9. REFERENCES

- Johnson JD, Ober RE. 1979. Absorption of FC-95-¹⁴C in rats after a single oral dose. 3M. Submitted to the U.S. Environmental Protection Agency's Administrative Record. AR226-0007.
- Johnson JD, Ober RE. 1980. Extent and route of excretion and tissue distribution of total carbon-14 in rats after a single intravenous dose of FC-95-¹⁴C. 3M. Submitted to the U.S. Environmental Protection Agency's Administrative Record. AR226-0006.
- Johnson JD, Ober RE. 1999a. Absorption of FC-143-¹⁴C in rats after a single oral dose. In: Exploratory 28-day oral toxicity study with telomer alcohol, telomer acrylate, PFHS, and PFOS (POS control) by daily gavage in the rat, w/CVR LTR DTD, 051500 (Sanitized) 3M. Submitted to the U.S. Environmental Protection Agency under TSCA Section FYI. OTS05001378S.
- Johnson JD, Ober RE. 1999b. Extent and route of excretion and tissue distribution of total carbon-14 in male and female rats after a single IV dose of FC-143-¹⁴C. In: Exploratory 28-day oral toxicity study with telomer alcohol, telomer acrylate, PFHS, and PFOS (POS control) by daily gavage in the rat, w/CVR letter dated, 051500 (Sanitized). 3M. Submitted to the U.S. Environmental Protection Agency under TSCA Section FYI. OTS05001378S.
- Johnson JD, Gibson SJ, Ober RE. 1984. Cholestyramine-enhanced fecal elimination of carbon-14 in rats after administration of ammonium [¹⁴C]perfluorooctanoate or potassium [¹⁴C]perfluorooctanesulfonate. *Fundam Appl Toxicol* 4:972-976.
- Johnson RJ, Kang D, Feig DI, et al. 2003. Is there a pathogenic role for uric acid in hypertension and cardiovascular and renal disease? *Hypertension* 41:1183-1190.
- Kaiser MA, Larsen BS, Kao CPC, et al. 2005. Vapor pressures of perfluorooctanoic, -nonanoic, -decanoic, -undecanoic, and -dodecanoic acids. *J Chem & Eng Data* 50:1841-1843.
- Kannan K, Choi JW, Iseki Net al. 2002a. Concentrations of perfluorinated acids in livers of birds from Japan and Korea. *Chemosphere* 49(3):225-231.
- Kannan K, Corsolini S, Falandysz J, et al. 2002b. Perfluorooctanesulfonate and related fluorinated hydrocarbons in marine mammals, fishes, and birds from coasts of the Baltic and the Mediterranean Seas. *Environ Sci Technol* 36(15):3210-3216.
- Kannan K, Franson JC, Bowerman WW, et al. 2001a. Perfluorooctane sulfonate in fish-eating water birds including bald eagles and albatrosses. *Environ Sci Technol* 35(15):3065-3070.
- Kannan K, Hansen KJ, Wade TL, et al. 2002c. Perfluorooctane sulfonate in oysters, *Crassostrea virginica*, from the Gulf of Mexico and the Chesapeake Bay, USA. *Arch Environ Contam Toxicol* 42(3):313-318.
- Kannan K, Koistinen J, Beckmen K, et al. 2001b. Accumulation of perfluorooctane sulfonate in marine mammals. *Environ Sci Technol* 35:1593-1598.
- Kannan K, Newsted J, Halbrook RS, et al. 2002d. Perfluorooctanesulfonate and related fluorinated hydrocarbons in mink and river otters from the United States. *Environ Sci Technol* 36:2566-2571.
- Kannan K, Perrotta E, Thomas NJ. 2006. Association between perfluorinated compounds and pathological conditions in southern sea otters. *Environ Sci Technol* 40:4943-4948.

9. REFERENCES

- Kannan K, Tao L, Sinclair E, et al. 2005. Perfluorinated compounds in aquatic organisms at various trophic levels in a Great Lakes food chain. *Arch Environ Contam Toxicol* 48:559-566.
- Kärroman A, Ericson I, van Bavel B, et al. 2007. Exposure of perfluorinated chemicals through lactation: Levels of matched human milk and serum and a temporal trend, 1996-2004, in Sweden. *Environ Health Perspect* 115:226-230.
- Kärroman A, Mueller JF, Van Bavel B, et al. 2006. Levels of 12 perfluorinated chemicals in pooled Australian serum, collected 2002-2003, in relation to age, gender, and region. *Environ Sci Technol* 40:3742-3748.
- Kärroman A, van Bavel B, Jarnberg U, et al. 2005. Development of a solid-phase extraction-HPLC/single quadrupole MS method for quantification of perfluorochemicals in whole blood. *Anal Chem* 77:864-870.
- Katakura M, Kudo N, Tsuda T, et al. 2007. Rat organic anion transporter 3 and organic anion transporting polypeptide 1 mediate perfluorooctanoic acid transport. *J Health Sci* 53:77-83.
- Kato K, Calafat AM, Needham LL. 2009a. Polyfluoroalkyl chemicals in house dust. *Environ Res* 109(12):518-523.
- Kato K, Calafat AM, Wong LY, et al. 2009b. Polyfluoroalkyl compounds in pooled sera from children participating in the National Health and Nutrition Examination Survey 2001-2002. *Environ Sci Technol* 43(7):2641-2647.
- Kauck EA, Diesslin AR. 1951. Some properties of perfluorocarboxylic acids. *Ind Eng Chem* 43(10):2332-2334..
- Kawamoto K, Oashi T, Oami K, et al. 2010. Perfluorooctanoic acid (PFOA) but not perfluorooctane sulfonate (PFOS) showed DNA damage in comet assay on *Paramecium caudatum*. *J Toxicol Sci* 35(6):835-841.
- Kawamoto K, Sato I, Tsuda S, et al. 2011. Ultrasonic-induced tonic convulsion in rats after subchronic exposure to perfluorooctane sulfonate (PFOS). *J Toxicol Sci* 36(1):55-62.
- Kawashima Y, Kobayashi H, Miura H, et al. 1995. Characterization of hepatic responses of rat to administration of perfluorooctanoic and perfluorodecanoic acids at low levels. *Toxicology* 99(3):169-178.
- Kearns GL, Abdel-Rahman SM, Alander SW, et al. 2003. Developmental pharmacology-drug disposition, action, and therapy in infants and children. *N Engl J Med* 349(12):1157-1167.
- Keil DE, Mehlmann T, Butterworth L, et al. 2008. Gestational exposure to perfluorooctane sulfonate (PFOS) suppresses immune function in B6C3F1 mice. *Toxicol Sci* 103(1):77-85.
- Keller JM, Kannan K, Taniyasu S, et al. 2005. Perfluorinated compounds in the plasma of loggerhead and Kemp's ridley sea turtles from the southeastern coast of the United States. *Environ Sci Technol* 39:9101-9108.
- Kelly J, Solem L. 2009. Identification of a major source of perfluorooctane sulfonate (PFOS) at a wastewater treatment plant in Brainerd, Minnesota. *Reprod Toxicol* 27:417-428.

9. REFERENCES

- Kelly BC, Ikonomou MG, Blair JD, et al. 2007. Food web-specific biomagnification of persistent organic pollutants. *Science* 317:236-238.
- Kemper RA. 2003. Perfluorooctanoic acid: Toxicokinetics in the rat. Association of Plastics Manufacturers of Europe. Submitted to the U.S. Environmental Protection Agency's Administrative Record. AR226-1499.
- Kemper RA, Nabb DL. 2005. *In vitro* studies in microsomes from rat and human liver, kidney, and intestine suggest that perfluorooctanoic acid is not a substrate for microsomal UDP-glucuronosyltransferases. *Drug Chem Toxicol* 28(3):281-287.
- Kennedy GL. 1985. Dermal toxicity of ammonium perfluorooctanoate. *Toxicol Appl Pharmacol* 81(2):348-355.
- Kennedy GL. 1987. Increase in mouse liver weight following feeding of ammonium perfluorooctanoate and related fluorochemicals. *Toxicol Lett* 39(2-3):295-300.
- Kennedy GL, Butenhoff JL, Olsen GW, et al. 2004. The toxicology of perfluorooctanoate. *Crit Rev Toxicol* 34(4):351-384.
- Kennedy GL, Hall GT, Brittelli MR, et al. 1986. Inhalation toxicity of ammonium perfluorooctanoate. *Food Chem Toxicol* 24(12):1325-1329.
- Kerstner-Wood C, Coward L, Gorman G. 2003. Protein binding of perfluorohexane sulfonate, perfluorooctane sulfonate and perfluorooctanoate to plasma (human, rat, and monkey), and various human-derived plasma protein fractions. Southern Research Institute. Submitted to the U.S. Environmental Protection Agency's Administrative Record. AR226-1354.
- Kim S, Kannan K. 2007. Perfluorinated acids in air, rain, snow, surface runoff, and lakes: Relative importance of pathways to contamination of urban lakes. *Environ Sci Technol* 41:8328-8334.
- Kim SK, Lee KT, Kang CS, et al. 2011. Distribution of perfluorochemicals between sera and milk from the same mothers and implications for prenatal and postnatal exposures. *Environ Pollut* 159(1):169-174.
- Kinney LA, Chromey NC, Kennedy Jr GL. 1989. Acute inhalation toxicity of ammonium perfluorononanoate. *Food Chem Toxicol* 21(1):46-68.
- Kissa E. 2001. Fluorinated surfactants and repellents. 2nd ed. Revised and expanded. New York, NY: Marcel Dekker, Inc., 1-101, 198-269, 349-379, 451-487.
- Klaunig JE, Babich MA, Baetcke KP, et al. 2003. PPAR α agonist-induced rodent tumors: Modes of action and human relevance. *Crit Rev Toxicol* 33(6):655-780.
- Klaunig JE, Hocevar BA, Kamendulis LM. 2012. Mode of action analysis of perfluorooctanoic acid (PFOA) tumorigenicity and human relevance. *Reprod Toxicol* 33(4):410-418.
- Kleszczyński K, Sklandanowski AC. 2009. Mechanism of cytotoxic action of perfluorinated acids. I. Alteration in plasma membrane potential and intracellular pH level. *Toxicol Appl Pharmacol* 234:300-305.

9. REFERENCES

- Kleszczyński K, Skladanowski AC. 2011. Mechanism of cytotoxic action of perfluorinated acids. III. Disturbance in Ca^{2+} homeostasis. *Toxicol Appl Pharmacol* 251(2):163-168.
- Knox SS, Jackson T, Javins B, et al. 2011. Implications of early menopause in women exposed to perfluorocarbons. *J Clin Endocrinol Metab* 96(6):1747-1753.
- Kobayashi Y, Hirokawa N, Ohshiro N, et al. 2002. Differential gene expression of organic anion transporters in male and female rats. *Biochem Biophys Res Commun* 290:482-487.
- Komori M, Nishio K, Kitada M, et al. 1990. Fetus-specific expression of a form of cytochrome P-450 in human livers. *Biochemistry* 29(18):4430-4433.
- Konwick BJ, Tomy GT, Ismail N, et al. 2008. Concentrations and patterns of perfluoroalkyl acids in Georgia, USA surface waters near and distant to a major use source. *Environ Toxicol Chem* 27(10):2011-2018.
- Krishnan K, Andersen ME. 1994. Physiologically based pharmacokinetic modeling in toxicology. In: Hayes AW, ed. *Principles and methods of toxicology*. 3rd ed. New York, NY: Raven Press, Ltd., 149-188.
- Krishnan K, Andersen ME, Clewell HJ, et al. 1994. Physiologically based pharmacokinetic modeling of chemical mixtures. In: Yang RSH, ed. *Toxicology of chemical mixtures: Case studies, mechanisms, and novel approaches*. San Diego, CA: Academic Press, 399-437.
- Kroschwitz JI, Howe-Grant M. 1994. Perfluorooctanoic. *Kirk-Othmer encyclopedia of chemical toxicology*. 4th ed. Vol. 11. New York, NY: John Wiley & Sons, Inc., 551.
- Krusic PJ, Roe DC. 2004. Gas-phase NMR technique for studying the thermolysis of materials: Thermal decomposition of ammonium perfluorooctanoate. *Anal Chem* 76(13):3800-3803.
- Krusic PJ, Marchione AA, Roe DC. 2005. Gas-phase NMR studies of the thermolysis of perfluorooctanoic acid. *J Fluor Chem* 126:1510-1516.
- Kubwabo C, Stewart B, Zhu J, et al. 2005. Occurrence of perfluorosulfonates and other perfluorochemicals in dust from selected homes in the city of Ottawa, Canada. *J Environ Monit* 7:1074-1078.
- Kudo N, Kawashima Y. 1997. Fish oil-feeding prevents perfluorooctanoic acid-induced fatty liver in mice. *Toxicol Appl Pharmacol* 145(2):285-293.
- Kudo N, Kawashima Y. 2003. Induction of triglyceride accumulation in the liver of rats by perfluorinated fatty acids with different carbon chain lengths: Comparison with induction of peroxisomal β -oxidation. *Biol Pharm Bull* 26(1):47-51.
- Kudo N, Bandai N, Kawashima Y. 1998. Determination of perfluorocarboxylic acids by gas-liquid chromatography in rat tissues. *Toxicol Lett* 99:183-190.
- Kudo N, Bandai N, Suzuki E, et al. 2000. Induction by perfluorinated fatty acids with different carbon chain length of peroxisomal β -oxidation in the liver of rats. *Chem Biol Interact* 124:119-132.

9. REFERENCES

- Kudo N, Iwase Y, Okayachi H, et al. 2005. Induction of hepatic peroxisome proliferation by 8-2 telomer alcohol feeding in mice: Formation of perfluorooctanoic acid in the liver. *Toxicol Sci* 86(2):231-238.
- Kudo N, Katakura M, Sato Y, et al. 2002. Sex hormone-regulated renal transport of perfluorooctanoic acid. *Chem Biol Interact* 139:301-316.
- Kudo N, Sakai A, Mitsumoto A, et al. 2007. Tissue distribution and hepatic subcellular distribution of perfluorooctanoic acid at low dose are different from those at high dose in rats. *Biol Pharm Bull* 30(8):1535-1540.
- Kudo N, Suzuki E, Katakura M, et al. 2001. Comparison of the elimination between perfluorinated fatty acids with different carbon chain length in rats. *Chem Biol Interact* 134:203-216.
- Kudo N, Suzuki-Nakajima E, Mitsumoto A, et al. 2006. Responses of the liver to perfluorinated fatty acids with different carbon chain length in male and female mice: In relation to induction of hepatomegaly, peroxisomal β -oxidation and microsomal 1-acylglycerophosphocholine acyltransferase. *Biol Pharm Bull* 29(9):1952-1957.
- Kuklenyik Z, Reich JA, Tully JS, et al. 2004. Automated solid-phase extraction and measurement of perfluorinated organic acids and amides in human serum and milk. *Environ Sci Technol* 38(13):3698-3704.
- Kunleda H, Shinoda K. 1976. Krafft points, critical micelle concentrations, surface tension, and solubilizing power of aqueous solutions of fluorinated surfactants. *J Phys Chem* 80:2468-2470.
- Kvist L, Giwercman YL, Jonsson BA, et al. 2012. Serum levels of perfluorinated compounds and sperm Y:X chromosome ratio in two European populations and in Inuit from Greenland. *Reprod Toxicol* 34(4):644-650.
- Langley AE, Pilcher GD. 1985. Thyroid bradycardic and hypothermic effects of perfluoro-n-decanoic acid in rats. *J Toxicol Environ Health* 15(3-4):485-492.
- Lau C, Anitole K, Hodes C, et al. 2007. Perfluoroalkyl acids: A review of monitoring and toxicological findings. *Toxicol Sci* 99(2):366-394.
- Lau C, Thibodeaux JR, Hanson RG, et al. 2003. Exposure to perfluorooctane sulfonate during pregnancy in rat and mouse. II: Postnatal evaluation. *Toxicol Sci* 74(2):382-392.
- Lau C, Thibodeaux JR, Hanson RG, et al. 2006. Effects of perfluorooctanoic acid exposure during pregnancy in the mouse. *Toxicol Sci* 90(2):510-518.
- Lee YJ, Kim M-K, Bae J, et al. 2013. Concentrations of perfluoroalkyl compounds in maternal and umbilical cord sera and birth outcomes in Korea. *Chemosphere* 90(5):1603-1609.
- Leeder JS, Kearns GL. 1997. Pharmacogenetics in pediatrics: Implications for practice. *Pediatr Clin North Am* 44(1):55-77.
- Lefebvre DE, Curran I, Armstrong C, et al. 2008. Immunomodulatory effects of dietary potassium perfluorooctane sulfonate (PFOS) exposure in adult Sprague-Dawley rats. *J Toxicol Environ Health A* 71(23):1516-1525.

9. REFERENCES

- Lemieux P, Strynar M, Tabor D, et al. 2007. Emissions of fluorinated compounds from the combustion of carpeting. In: International conference on incineration and thermalk treatment technologies. May 14-18, 2007. Phoenix, Arizona. U.S. Environmental Protection Agency. <http://www.epa.gov/nhsrc/pubs/paperFluorCompounds101007.pdf>. December 7, 2009.
- Leonard RC. 2006. Ammonium perfluorooctanoate: Phase II. Retrospective cohort mortality analyses related to a serum biomarker of exposure in a polymer production plant. Wilmington, DE: E.I. du pont de Nemours and Company.
- Leonard RC, Kreckmann KH, Sakr CJ, et al. 2008. Retrospective cohort mortality study of workers in a polymer production plant including a reference population of regional workers. *Ann Epidemiol* 18:15-22.
- Leung HW. 1993. Physiologically-based pharmacokinetic modelling. In: Ballentyne B, Marrs T, Turner P, eds. *General and applied toxicology*. Vol. 1. New York, NY: Stockton Press, 153-164.
- Li N, Hartley DP, Cherrington NJ, et al. 2002. Tissue expression, ontogeny, and inducibility of rat organic anion transporting polypeptide. *J Pharmacol Exp Ther* 301(2):551-560.
- Lide DR. 2005. Pentadecylfluorooctanoic acid, nonadecylfluorodecanoic acid, and heptafluorobutanoic acid. In: *CRC handbook of chemistry and physics*. 86th ed. Boca Raton, FL: Taylor and Francis, 3-412, 3-372, 3-398.
- Lieder PH, Chang SC, York RG, et al. 2009a. Toxicological evaluation of potassium perfluorobutanesulfonate in a 90-day oral gavage study with Sprague-Dawley rats. *Toxicology* 255:45-52.
- Lieder PH, York RG, Hakes DC, et al. 2009b. A two-generation oral gavage reproduction study with potassium perfluorobutanesulfonate (K⁺PFBS) in Sprague-Dawley rats. *Toxicology* 259:33-45.
- Lien GW, Huang CC, Wu KY, et al. 2013. Neonatal-maternal factors and perfluoroalkyl substances in cord blood. *Chemosphere* 92(7):843-850.
- Lin CY, Chen PC, Lin YC, et al. 2009. Association among serum perfluoroalkyl chemicals, glucose homeostasis, and metabolic syndrome in adolescents and adults. *Diabetes Care* 32(4):702-707.
- Lin CY, Lin LY, Chiang CK, et al. 2010. Investigation of the associations between low-dose serum perfluorinated chemicals and liver enzymes in US adults. *Am J Gastroenterol* 105(6):1354-1363.
- Liu J, Li J, Liu Y, et al. 2011. Comparison on gestation and lactation exposure of perfluorinated compounds for newborns. *Environ Int* 37(7):1206-1212.
- Liu J, Lee LS, Nies LF, et al. 2007. Biotransformation of 8:2 fluorotelomer alcohol in soil and by soil bacteria isolates. *Environ Sci Technol* 41:8024-8030.
- Liu RCM, Hurtt ME, Cook JC, et al. 1996. Effect of the peroxisome proliferator, ammonium perfluorooctanoate (C8), on hepatic aromatase activity in adult male Crl:CD BR (CD) rats. *Fundam Appl Toxicol* 30:220-228.
- *Liu W, Li X, Xu L, et al. 2010. Influence of gestation, regular bleeding and intermittent exposure on blood perfluorooctane sulfonate levels in mice: Potential factors inducing sex difference and affecting exposure evaluation. *J Toxicol Sci* 35(3):309-316.

9. REFERENCES

- Livingston AL. 1978. Forage plant estrogens. *J Toxicol Environ Health* 4(2-3):301-324.
- Llorca M, Farre M, Pico Y, et al. 2010. Infant exposure of perfluorinated compounds: Levels in breast milk and commercial baby food. *Environ Int* 36(6):584-592.
- Loccisano AE, Campbell JL, Jr., Andersen ME, et al. 2011. Evaluation and prediction of pharmacokinetics of PFOA and PFOS in the monkey and human using a PBPK model. *Regul Toxicol Pharmacol* 59(1):157-175.
- Loccisano AE, Campbell JL, Jr., Butenhoff JL, et al. 2012a. Comparison and evaluation of pharmacokinetics of PFOA and PFOS in the adult rat using a physiologically based pharmacokinetic model. *Reprod Toxicol* 33(4):452-467.
- Loccisano AE, Campbell JL, Jr., Butenhoff JL, et al. 2012b. Evaluation of placental and lactational pharmacokinetics of PFOA and PFOS in the pregnant, lactating, fetal and neonatal rat using a physiologically based pharmacokinetic model. *Reprod Toxicol* 33(4):468-490.
- Loccisano AE, Longnecker MP, Campbell JL, Jr., et al. 2013. Development of PBPK models for PFOA and PFOS for human pregnancy and lactation life stages. *J Toxicol Environ Health A* 76(1):25-57.
- Loewen M, Halldorson T, Wang F, et al. 2005. Fluorotelomer carboxylic acids and PFOS in rainwater from an urban center in Canada. *Environ Sci Technol* 39:2944-2951.
- Long Y, Wang Y, Ji G, et al. 2013. Neurotoxicity of perfluorooctane sulfonate to hippocampal cells in adult mice. *PLoS ONE* 8(1):e54176.
- Longnecker MP, Smith CS, Kissling GE, et al. 2008. An interlaboratory study of perfluorinated alkyl compound levels in human plasma. *Environ Res* 107(2):152-159.
- Looker C, Luster MI, Calafat AM, et al. 2014. Influenza vaccine response in adults exposed to perfluorooctanoate and perfluorooctanesulfonate. *Toxicol Sci* 138(1):76-88.
- Loos R, Locoro G, Huber T, et al. 2008. Analysis of perfluorooctanoate (PFOA) and other perfluorinated compounds (PFCs) in the River Po watershed in N-Italy. *Chemosphere* 71:306-313.
- Lopez-Espinosa MJ, Fletcher T, Armstrong B, et al. 2011. Association of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) with age of puberty among children living near a chemical plant. *Environ Sci Technol* 45(19):8160-8166.
- Loveless SE, Hoban D, Sykes G, et al. 2008. Evaluation of the immune system in rats and mice administered linear ammonium perfluorooctanoate. *Toxicol Sci* 105(1):86-96.
- Lu R, Kanai N, Bao Y, et al. 1996. Regulation of renal oatp mRNA expression by testosterone. *Am J Physiol* 270:F332-F337.
- Lubojevic M, Herak-Kramberger CM, Hagos Y, et al. 2004. Rat renal cortical OAT1 and OAT3 exhibit gender differences determined by both androgen stimulation and estrogen inhibition. *Am J Physiol* 287:F124-F138.

9. REFERENCES

- Luebker DJ, Case MT, York RG, et al. 2005a. Two-generation reproduction and cross-foster studies of perfluorooctanesulfonate (PFOS) in rats. *Toxicology* 215(1-2):126-148.
- Luebker DJ, York RG, Hansen KJ, et al. 2005b. Neonatal mortality from *in utero* exposure to perfluorooctanesulfonate (PFOS) in Sprague-Dawley rats: Dose-response, and biochemical and pharmacokinetic parameters. *Toxicology* 215(1-2):149-169.
- Lundin JI, Alexander BH, Olsen GW, et al. 2009. Ammonium perfluorooctanoate production and occupational mortality. *Epidemiology* 20(6):921-928.
- Luo Z, Shi X, Hu Q, et al. 2012. Structural evidence of perfluorooctane sulfonate transport by human serum albumin. *Chem Res Toxicol* 25(5):990-992.
- MacNeil J, Steenland NK, Shankar A, et al. 2009. A cross-sectional analysis of type II diabetes in a community with exposure to perfluorooctanoic acid (PFOA). *Environ Res* 109(8):997-1003.
- Macon MB, Villanueva LR, Tatum-Gibbs K, et al. 2011. Prenatal perfluorooctanoic acid exposure in CD-1 mice: Low-dose developmental effects and internal dosimetry. *Toxicol Sci* 122(1):134-145.
- Maestri L, Negri S, Ferrari M, et al. 2006. Determination of perfluorooctanoic acid and perfluorooctanesulfonate in human tissues by liquid chromatography/single quadrupole mass spectrometry. *Rapid Commun Mass Spectrom* 20(18):2728-2734.
- Mahmoud MAM, Kärman A, Oono S, et al. 2009. Perfluorinated telomers in precipitation and surface water in an urban area of Japan. *Chemosphere* 74:467-472.
- Maisonet M, Terrell ML, McGeehin MA, et al. 2012. Maternal concentrations of polyfluoroalkyl compounds during pregnancy and fetal and postnatal growth in British girls. *Environ Health Perspect* 120(10):1432-1437.
- Mak YL, Taniyasu S, Yeung LW, et al. 2009. Perfluorinated compounds in tap water from China and several other countries. *Environ Sci Technol* 43(13):4824-4829.
- Maloney EK, Waxman DJ. 1999. *trans*-Activation of PPAR α and PPAR γ by structurally diverse environmental chemicals. *Toxicol Appl Pharmacol* 161:209-218.
- Mann PC, Frame SR. 2004. FC-143: Two year oral toxicity-oncogenicity study in rats. Peer review of ovaries. Newark, DE: E.I. du Pont de Nemours and Company. Du Pont Project ID 15261. U.S. EPA AR226.
- Maras M, Vanparys C, Muylle F, et al. 2006. Estrogen-like properties of fluorotelomer alcohols as revealed by MCF-7 breast cancer cell proliferation. *Environ Health Perspect* 114:100-105.
- Martin JW, Asher BJ, Beesoon S, et al. 2010. PFOS or PreFOS? Are perfluorooctane sulfonate precursors (PreFOS) important determinants of human and environmental perfluorooctane sulfonate (PFOS) exposure? *J Environ Monit* 12(11):1979-2004.
- Martin JW, Ellis DA, Mabury SA. 2006. Atmospheric chemistry of perfluoroalkanesulfonamides: Kinetic and product studies of the OH radical and Cl atom initiated oxidation of N-ethyl perfluorobutanesulfonamide. *Environ Sci Technol* 40:864-872.

9. REFERENCES

- Martin JW, Muir DCG, Moody CA, et al. 2002. Collection of airborne fluorinated organics and analysis by gas chromatography/chemical ionization mass spectrometry. *Anal Chem* 74:584-590.
- Martin JW, Smithwick MM, Braune BM, et al. 2004a. Identification of long-chain perfluorinated acids in biota from the Canadian Arctic. *Environ Sci Technol* 38(2):373-380.
- Martin JW, Whittle DM, Muir DCG, et al. 2004b. Perfluoroalkyl contaminants in a food web from Lake Ontario. *Environ Sci Technol* 38:5379-5385.
- Martin MT, Brennan RJ, Hu W, et al. 2007. Toxicogenomic study of triazole fungicides and perfluoroalkyl acids in rat livers predicts toxicity and categorizes chemicals based on mechanisms of toxicity. *Toxicol Sci* 97:595-613.
- Mayr U, Butsch A, Schneider S. 1992. Validation of two *in vitro* test systems for estrogenic activities with zearalenone, phytoestrogens and cereal extracts. *Toxicology* 74(2-3):135-149.
- MDH. 2007. Groundwater health risk limits. St. Paul, MN: Minnesota Department of Health. <http://www.health.state.mn.us/divs/eh/groundwater/hrltable.html>. July 1, 2008.
- Meesters RJ, Schröder HF. 2004. Perfluorooctane sulfonate- a quite mobile anionic anthropogenic surfactant, ubiquitously found in the environment. *Water Sci Technol* 50(5):235-242.
- Melzer D, Rice N, Depledge MH, et al. 2010. Association between serum perfluorooctanoic acid (PFOA) and thyroid disease in the U.S. National Health and Nutrition Examination Survey. *Environ Health Perspect* 118(5):686-692.
- Midasch O, Drexler H, Hart N, et al. 2007. Transplacental exposure of neonates to perfluorooctanesulfonate and perfluorooctanoate: A pilot study. *Int Arch Occup Environ Health* 80:643-648.
- Min JY, Lee KJ, Park JB, et al. 2012. Perfluorooctanoic acid exposure is associated with elevated homocysteine and hypertension in US adults. *Occup Environ Med* 69(9):658-662.
- Minata M, Harada KH, Kärman A, et al. 2010. Role of peroxisome proliferator-activated receptor- α in hepatobiliary injury induced by ammonium perfluorooctanoate in mouse liver. *Ind Health* 48:96-107.
- *MN EPHT. 2009. East Metro perfluorochemical biomonitoring pilot project. Minnesota Department of Health, Minnesota Environment, Exposure and Health. <http://www.health.state.mn.us/divs/hpcd/tracking/biomonitoring/projects/pfcfinalrpt2009.pdf>. May 5, 2014.
- Mondal D, Lopez-Espinosa MJ, Armstrong B, et al. 2012. Relationships of perfluorooctanoate and perfluorooctane sulfonate serum concentrations between mother-child pairs in a population with perfluorooctanoate exposure from drinking water. *Environ Health Perspect* 120(5):752-757.
- Monroy R, Morrison K, Teo K, et al. 2008. Serum levels of perfluoroalkyl compounds in human maternal and umbilical cord blood samples. *Environ Res* 108:56-62.
- Moody CA, Field JA. 1999. Determination of perfluorocarboxylates in groundwater impacted by fire-fighting activity. *Environ Sci Technol* 33(16):2800-2806.

9. REFERENCES

- Moody CA, Hebert GN, Strauss SH, et al. 2003. Occurrence and persistence of perfluorooctanesulfonate and other perfluorinated surfactants in groundwater at a fire-training area at Wurtsmith Air Force Base, Michigan, USA. *J Environ Monit* 5:341-345.
- Morikawa A, Kamei N, Harada K, et al. 2006. The bioconcentration factor of perfluorooctane sulfonate is significantly larger than that of perfluorooctanoate in wild turtles (*Trachemys scripta elegans* and *Chinemys reevesii*): An Ai River ecological study in Japan. *Ecotoxicol Environ Saf* 65:14-21.
- Moriwaki H, Takata Y, Arakawa R. 2003. Concentrations of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in vacuum cleaner dust collected in Japanese homes. *J Environ Monit* 5:753-757.
- Morselli PL, Franco-Morselli R, Bossi L. 1980. Clinical pharmacokinetics in newborns and infants: Age-related differences and therapeutic implications. *Clin Pharmacokin* 5(6):485-527.
- Mundt DJ, Mundt KA, Luippold RS, et al. 2007. Clinical epidemiological study of employees exposed to surfactant blend containing perfluorononanoic acid. *Occup Environ Med* 64:589-594.
- Murakami M, Imamura E, Shinohara H, et al. 2008. Occurrence and sources of perfluorinated surfactants in rivers in Japan. *Environ Sci Technol* 42(17):6566-6572.
- Murakami M, Kuroda K, Sato N, et al. 2009. Groundwater pollution by perfluorinated surfactants in Tokyo. *Environ Sci Technol* 43(10):3480-3486.
- Nabb DL, Szostek B, Himmelstein MW, et al. 2007. *In vitro* metabolism of 8-2 fluorotelomer alcohol: Interspecies comparisons and metabolic pathway refinement. *Toxicol Sci* 100(2):333-344.
- Nakagawa H, Hirata T, Terada T, et al. 2008. Roles of organic anion transporters in the renal excretion of perfluorooctanoic acid. *Basic Clin Pharmacol Toxicol* 103(1):1-8.
- Nakagawa H, Terada T, Harada KH, et al. 2009. Human organic anion transporter hOAT4 is a transporter of perfluorooctanoic acid. *Basic Clin Pharmacol Toxicol* 105(2):136-138.
- Nakayama S, Strynar MJ, Helfant L, et al. 2007. Perfluorinated compounds in the Cape Fear drainage basin in North Carolina. *Environ Sci Technol* 41(15):5271-5276.
- NAS/NRC. 1989. Report of the oversight committee. In: *Biologic markers in reproductive toxicology*. Washington, DC: National Academy of Sciences, National Research Council, National Academy Press, 15-35.
- Needham LL, Grandjean P, Heinzow B, et al. 2011. Partition of environmental chemicals between maternal and fetal blood and tissues. *Environ Sci Technol* 45(3):1121-1126.
- Nelson JW, Hatch EE, Webster TF. 2010. Exposure to polyfluoroalkyl chemicals and cholesterol, body weight, and insulin resistance in the general U.S. population. *Environ Health Perspect* 118(2):197-202.
- New Jersey Department of Environmental Protection. 2007. Drinking-water guidance value. Trenton, NJ: <http://www.nj.gov/dep/watersupply/pfoa.htm>. July 01, 2007.

9. REFERENCES

- Nilsson R, Beije B, Preat V, et al. 1991. On the mechanism of the hepatocarcinogenicity of peroxisome proliferations. *Chem Biol Interact* 78:235-250.
- NIOSH. 2014. NIOSH pocket guide to chemical hazards. Atlanta, GA: National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention. <http://www.cdc.gov/niosh/npg/>. December 12, 2014.
- Noker PE, Gorman GS. 2003. A pharmacokinetic study of potassium perfluorooctanesulfonate in the Cynomolgus monkey. St. Paul, MN: 3M Corporation.
- Nolan LA, Nolan JM, Shofer FS, et al. 2009. The relationship between birth weight, gestational age and perfluorooctanoic acid (PFOA)-contaminated public drinking water. *Reprod Toxicol* 27:231-238.
- Nolan LA, Nolan JM, Shofer FS, et al. 2010. Congenital anomalies, labor/delivery complications, maternal risk factors and their relationship with perfluorooctanoic acid (PFOA)-contaminated public drinking water. *Reprod Toxicol* 29(2):147-155.
- NRC. 1993. Pesticides in the diets of infants and children. Washington, DC: National Academy Press. National Research Council.
- NTP. 2005. Report on carcinogens. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program. <http://ntp-server.niehs.nih.gov/ntp/roc/toc11.html>. April 24, 2008.
- NTP. 2011. Report on carcinogens. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program. <http://ntp-server.niehs.nih.gov/ntp/roc/twelfth/roc12.pdf>. January 08, 2014.
- NTP. 2013. Nominations to the report on carcinogens. National Toxicology Program. *Fed Regist* 78 FR 57868:57868-57869. <http://www.gpo.gov/fdsys>. January 08, 2014.
- Oda Y, Nakayama S, Harada KH, et al. 2007. Negative results of *umu* genotoxicity test of fluorotelomer alcohols and perfluorinated alkyl acids. *Environ Health Prev Med* 12:217-219.
- Ode A, Rylander L, Lindh CH, et al. 2013. Determinants of maternal and fetal exposure and temporal trends of perfluorinated compounds. *Environ Sci Pollut Res Int* 20(11):7970-7978.
- OECD. 2002. Hazard assessment of perfluorooctane sulfonate (PFOS) and its salts. Organisation for Economic Co-operation and Development. ENV/JM/RD(2002)17/FINAL. <http://www.oecd.org/dataoecd/23/18/2382880.pdf>. July 02, 2007.
- OECD. 2006a. Results of the 2006 survey on production and use of PFOS, PFAS, PFOA, PFCA, their related substances and products/mixtures containing these substances. Organisation for Economic Co-operation and Development.
- OECD. 2006b. SIDS initial assessment report after SIAM 22. Ammonium perfluorooctanoate and perfluorooctanoic acid. Organisation for Economic Co-operation and Development. http://www.oecd.org/document/63/0,3343,en_2649_34379_1897983_1_1_1_1,00.html. May 18, 2009.

9. REFERENCES

- OECD. 2007. Report of an OECD workshop on perfluorocarboxylic acids (PFCAs) and precursors. Organisation for Economic Co-operation and Development. [http://www.oilis.oecd.org/oilis/2007doc.nsf/LinkTo/NT00002AB6/\\$FILE/JT03229256.PDF](http://www.oilis.oecd.org/oilis/2007doc.nsf/LinkTo/NT00002AB6/$FILE/JT03229256.PDF). April 02, 2008.
- Ohmori K, Kudo N, Katayama K, et al. 2003. Comparison of the toxicokinetics between perfluorocarboxylic acids with different carbon chain length. *Toxicology* 184:135-140.
- Ohya T, Kudo N, Suzuki E, et al. 1998. Determination of perfluorinated carboxylic acids in biological samples by high-performance liquid chromatography. *J Chromatogr B Analyt Technol Biomed Life Sci* 720(1-2):1-7.
- Okada E, Sasaki S, Saijo Y, et al. 2012. Prenatal exposure to perfluorinated chemicals and relationship with allergies and infectious diseases in infants. *Environ Res* 112:118-125.
- Olsen GW, Zobel LR. 2007. Assessment of lipid, hepatic, and thyroid parameters with serum perfluorooctanoate (PFOA) concentrations in fluorochemical production workers. *Int Arch Occup Environ Health* 81:231-246.
- Olsen GW, Burlew MM, Marshall JC, et al. 2004a. Analysis of episodes of care in a perfluorooctanesulfonyl fluoride production facility. *J Occup Environ Hyg* 46(8):837-846.
- Olsen GW, Burriss JM, Burlew MM, et al. 2003a. Epidemiologic assessment of worker serum perfluorooctanesulfonate (PFOS) and perfluorooctanoate (PFOA) concentrations and medical surveillance examinations. *J Occup Environ Med* 45(3):260-270.
- Olsen GW, Burriss JM, Burlew MM, et al. 2000a. Plasma cholecystokinin and hepatic enzymes, cholesterol and lipoproteins in ammonium perfluorooctanoate production workers. *Drug Chem Toxicol* 23(4):603-620.
- Olsen GW, Burriss JM, Ehresman DJ, et al. 2007a. Half-life of serum elimination of perfluorooctanesulfonate, perfluorohexanesulfonate, and perfluorooctanoate in retired fluorochemical production workers. *Environ Health Perspect* 115:1298-1305.
- Olsen GW, Burriss JM, Mandel JH, et al. 1999. Serum perfluorooctane sulfonate and hepatic and lipid clinical chemistry tests in fluorochemical production employees. *J Occup Environ Med* 41(9):799-806.
- Olsen GW, Burriss JM, Mandel JH, et al. 2000b. An epidemiologic investigation of clinical chemistries, hematology and hormones in relation to serum levels of perfluorooctane sulfonate in male fluorochemical production employees. St. Paul, MN: 3M Company. AR226-0030.
- Olsen GW, Butenhoff JL, Zobel LR. 2009. Perfluoroalkyl chemicals and human fetal development: An epidemiologic review with clinical and toxicological perspectives. *Reprod Toxicol* 27(3-4):212-230.
- Olsen GW, Church TR, Hansen KJ, et al. 2004b. Quantitative evaluation of perfluorooctanesulfonate (PFOS) and other fluorochemicals in the serum of children. *J Child Health* 2(1):53-76.
- Olsen GW, Church TR, Larson EB, et al. 2004c. Serum concentrations of perfluorooctanesulfonate and other fluorochemicals in an elderly population from Seattle, Washington. *Chemosphere* 54:1599-1611.

9. REFERENCES

- Olsen GW, Church TR, Miller JP, et al. 2003b. Perfluorooctanesulfonate and other fluorochemicals in the serum of American Red Cross adult blood donors. *Environ Health Perspect* 111:1892-1901.
- Olsen GW, Ehresman DJ, Buehrer BD, et al. 2012. Longitudinal assessment of lipid and hepatic clinical parameters in workers involved with the demolition of perfluoroalkyl manufacturing facilities. *J Occup Environ Med* 54(8):974-983.
- Olsen GW, Gilliland FD, Burlew MM, et al. 1998. An epidemiologic investigation of reproductive hormones in men with occupational exposure to perfluorooctanoic acid. *J Occup Environ Med* 40(7):614-622.
- Olsen GW, Hansen KJ, Stevenson LA, et al. 2003c. Human donor liver and serum concentrations of perfluorooctanesulfonate and other perfluorochemicals. *Environ Sci Technol* 37:888-891.
- Olsen GW, Huang HY, Helzlsouer KJ, et al. 2005. Historical comparison of perfluorooctanesulfonate, perfluorooctanoate, and other fluorochemicals in human blood. *Environ Health Perspect* 113(5):539-545.
- Olsen GW, Mair DC, Church TR, et al. 2008. Decline in perfluorooctanesulfonate and other polyfluoroalkyl chemicals in American Red Cross adult blood donors, 2000-2006. *Environ Sci Technol* 42(13):4989-4995.
- Olsen GW, Mair DC, Reagan WK, et al. 2007b. Preliminary evidence of a decline in perfluorooctanesulfonate (PFOS) and perfluorooctanoate (PFOA) concentrations in American Red Cross blood donors. *Chemosphere* 68(1):105-111.
- Olson CT, Andersen ME. 1983. The acute toxicity of perfluorooctanoic and perfluorodecanoic acids in male rats and effects on tissue fatty acids. *Toxicol Appl Pharmacol* 70(3):362-372.
- *O'Malley KD, Ebbens KL. 1981. Repeat application 28 day percutaneous absorption study with T-2618CoC in Albino rabbits. Riker Laboratories, Inc.
- Onishchenko N, Fischer C, Wan Ibrahim WN, et al. 2011. Prenatal exposure to PFOS or PFOA alters motor function in mice in a sex-related manner. *Neurotox Res* 19(3):452-461.
- Orata F, Quinete N, Werres F, et al. 2009. Determination of perfluorooctanoic acid and perfluorooctane sulfonate in Lake Victoria Gulf water. *Bull Environ Contam Toxicol* 82:218-222.
- OSHA. 2013. Toxic and hazardous substances. Occupational safety and health standards. Occupational Safety and Health Administration. Code of Federal Regulations 29 CFR 1910.1000, Table Z-1. <http://www.osha.gov/law-regs.html>. January 08, 2014.
- Owen GM, Brozek J. 1966. Influence of age, sex and nutrition on body composition during childhood and adolescence. In: Falkner F, ed. *Human development*. Philadelphia, PA: WB Saunders, 222-238.
- Palmer TM, Nordestgaard BG, Benn M, et al. 2013. Association of plasma uric acid with ischaemic heart disease and blood pressure: Mendelian randomisation analysis of two large cohorts. *Br Med J* 347:14262.
- Pastoor TP, Lee KP, Perri MA, et al. 1987. Biochemical and morphological studies of ammonium perfluorooctanoate-induced hepatomegaly and peroxisome proliferation. *Exp Mol Pathol* 47(1):98-109.

9. REFERENCES

- Paustenbach DJ, Panko JM, Scott PK, et al. 2007. A methodology for estimating human exposure to perfluorooctanoic acid (PFOA): A retrospective exposure assessment of a community (1951-2003). *J Toxicol Environ Health A* 70(1):28-57.
- Peden-Adams MM, Keller JM, Eudaly JG, et al. 2008. Suppression of humoral immunity in mice following exposure to perfluorooctane sulfonate. *Toxicol Sci* 104(1):144-154.
- Perkins RG, Butenhoff JL, Kennedy GL, et al. 2004. 13-Week dietary toxicity study of ammonium perfluorooctanoate (APFO) in male rats. *Drug Chem Toxicol* 27(4):361-378.
- Permadi H, Lundgren B, Andersson K, et al. 1992. Effects of perfluoro fatty acids on xenobiotic-metabolizing enzymes, enzymes which detoxify reactive forms of oxygen and lipid peroxidation in mouse liver. *Biochem Pharmacol* 44(6):1183-1191.
- Permadi H, Lundgren B, Andersson K, et al. 1993. Effects of perfluoro fatty acids on peroxisome proliferation and mitochondrial size in mouse liver: Dose and time factors and effect of chain length. *Xenobiotica* 23(7):761-770.
- Pilcher GD, Langley AE. 1986. The effects of perfluoro-n-decanoic acid in the rat heart. *Toxicol Appl Pharmacol* 85:389-397.
- Pilcher GD, Gutshall DM, Langley AE. 1987. The effects of perfluoro-n-decanoic acid (PFDA) on rat heart β -receptors, adenylate cyclase, and fatty acid composition. *Toxicol Appl Pharmacol* 90:198-205.
- Plastics Europe. 2012. Guide for the safe handling of fluoropolymer resins, November 2012. Plastics Europe, Association of Plastics Manufacturers.
- Porpora MG, Lucchini R, Abballe A, et al. 2013. Placental transfer of persistent organic pollutants: A preliminary study on mother-newborn pairs. *Int J Environ Res Public Health* 10(2):699-711.
- Post GB, Cohn PD, Cooper KR. 2012. Perfluorooctanoic acid (PFOA), an emerging drinking water contaminant: A critical review of recent literature. *Environ Res* 116:93-117.
- Post GB, Louis JB, Cooper KR, et al. 2009. Occurrence and potential significance of perfluorooctanoic acid (PFOA) detected in New Jersey public drinking water systems. *Environ Sci Technol* 43(12):4547-4554.
- Power MC, Webster TF, Baccarelli AA, et al. 2013. Cross-sectional association between polyfluoroalkyl chemicals and cognitive limitation in the National Health and Nutrition Examination Survey. *Neuroepidemiology* 40(2):125-132.
- Powley CR, George SW, Russell MH, et al. 2008. Polyfluorinated chemicals in a spatially and temporally integrated food web in the Western Arctic. *Chemosphere* 70:664-672.
- Powley CR, Michalczyk MJ, Kaiser MA, et al. 2005. Determination of perfluorooctanoic acid (PFOA) extractable from the surface of commercial cookware under simulated cooking conditions by LC/MS/MS. *Analyst* 130(9):1299-1302.
- Prevedouros K, Cousins I T, Buck RC, et al. 2006. Sources, fate and transport of perfluorocarboxylates. *Environ Sci Technol* 40(1):32-44.

9. REFERENCES

- Qazi MR, Abedi MR, Nelson BD, et al. 2010. Dietary exposure to perfluorooctanoate or perfluorooctane sulfonate induces hypertrophy in centrilobular hepatocytes and alters the hepatic immune status in mice. *Int Immunopharmacol* 10(11):1420-1427.
- Qazi MR, Bogdanska J, Butenhoff JL, et al. 2009a. High-dose, short-term exposure of mice to perfluorooctanesulfonate (PFOS) or perfluorooctanoate (PFOA) affects the number of circulating neutrophils differently, but enhances the inflammatory responses of macrophages to lipopolysaccharide (LPS) in a similar fashion. *Toxicology* 262(3):207-214.
- Qazi MR, Nelson BD, DePierre JW, et al. 2012. High-dose dietary exposure of mice to perfluorooctanoate or perfluorooctane sulfonate exerts toxic effects on myeloid and B-lymphoid cells in the bone marrow and these effects are partially dependent on reduced food consumption. *Food Chem Toxicol* 50(9):2955-2963.
- Qazi MR, Xia Z, Bogdanska J, et al. 2009b. The atrophy and changes in the cellular compositions of the thymus and spleen observed in mice subjected to short-term exposure to perfluorooctanesulfonate are high-dose phenomena mediated in part by peroxisome proliferator-activated receptor-alpha (PPAR α). *Toxicology* 260(1-3):68-76.
- Raymer JH, Michael LC, Studabaker WB, et al. 2012. Concentrations of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) and their associations with human semen quality measurements. *Reprod Toxicol* 33(4):419-427.
- RePORTER. 2014. Perfluoroalkyls. National Institutes of Health, Research Portfolio Online Reporting Tools. <http://projectreporter.nih.gov/reporter.cfm>. May 02, 2014.
- Ribes D, Fuentes S, Torrente M, et al. 2010. Combined effects of perfluorooctane sulfonate (PFOS) and maternal restraint stress on hypothalamus adrenal axis (HPA) function in the offspring of mice. *Toxicol Appl Pharmacol* 243(1):13-18.
- Rodriguez CE, Setzer RW, Barton HA. 2009. Pharmacokinetic modeling of perfluorooctanoic acid during gestation and lactation in the mouse. *Reprod Toxicol* 27(3-4):373-386.
- Rosen MB, Lee JS, Ren H, et al. 2008. Toxicogenomic dissection of the perfluorooctanoic acid transcript profile in mouse liver: Evidence for the involvement of nuclear receptors PPAR α and CAR. *Toxicol Sci* 103(1):46-56.
- *Rosen MB, Schmid JE, Das KP, et al. 2009. Gene expression profiling in the liver and lung of perfluorooctane sulfonate-exposed mouse fetuses: Comparison to changes induced by exposure to perfluorooctanoic acid. *Reprod Toxicol* 27:278-288.
- Rosen MB, Thibodeaux JR, Wood CR, et al. 2007. Gene expression profiling in the lung and liver of PFOA-exposed mouse fetuses. *Toxicology* 239:15-33.
- RTECS. 2008. Perfluoroalkyls. Hamilton, Ontario: Registry of Toxic Effects on Chemical Substances. Canadian Centre for Occupational Health and Safety. Symyx Software, Inc. May 29, 2008.
- Saito N, Harada K, Inoue K, et al. 2004. Perfluorooctanoate and perfluorooctane sulfonate concentrations in surface waters in Japan. *J Occup Health* 46:49-59.

9. REFERENCES

- Saito N, Sasaki K, Nakatome K, et al. 2003. Perfluorooctane sulfonate concentrations in surface water in Japan. *Arch Environ Contam Toxicol* 45:149-158.
- Sakr CJ, Kreckmann KH, Green JW, et al. 2007b. Cross-sectional study of lipids and liver enzymes related to a serum biomarker of exposure (ammonium perfluorooctanoate or APFO) as part of a general health survey in a cohort of occupationally exposed workers. *J Occup Environ Med* 49:1086-1096.
- Sakr CJ, Leonard RC, Kreckmann KH, et al. 2007a. Longitudinal study of serum lipids and liver enzymes in workers with occupational exposure to ammonium perfluorooctanoate. *J Occup Environ Med* 49:872-879.
- Sakr CJ, Symons JM, Kreckmann KH, et al. 2009. Ischaemic heart disease mortality study among workers with occupational exposure to ammonium perfluorooctanoate. *Occup Environ Med* 66:699-703.
- Salvalaglio M, Muscionico I, Cavallotti C. 2010. Determination of energies and sites of binding of PFOA and PFOS to human serum albumin. *J Phys Chem B* 114(46):14860-14874.
- Sato I, Kawamoto K, Nishikawa Y, et al. 2009. Neurotoxicity of perfluorooctane sulfonate (PFOS) in rats and mice after single oral exposure. *J Toxicol Sci* 34(5):569-574.
- Saunders NR, Ek CJ, Habgood MD, et al. 2008. Barriers in the brain: a renaissance? *Trends Neurosci* 31(6):279-286.
- Saunders NR, Liddelow SA, Dziegielewska KM. 2012. Barrier mechanisms in the developing brain. *Frontiers in pharmacology* 3(10.3389/fphar.2012.00046):Article 46.
- Savitz DA, Stein CR, Bartell SM, et al. 2012a. Perfluorooctanoic acid exposure and pregnancy outcome in a highly exposed community. *Epidemiology* 23(3):386-392.
- Savitz DA, Stein CR, Elston B, et al. 2012b. Relationship of perfluorooctanoic acid exposure to pregnancy outcome based on birth records in the Mid-Ohio Valley. *Environ Health Perspect* 120(8):1201-1207.
- Savu PM. 1994a. Fluorinated higher carboxylic acids. In: Kirk-Othmer encyclopedia of chemical technology. John Wiley & Sons, Inc., 1-7.
<http://mrw.interscience.wiley.com/emrw/9780471238966/kirk/article/fluosavu.a01/current/pdf>. April 01, 2008.
- Savu P. 1994b. Fluorine-containing polymers, perfluoroalkanesulfonic acids. In: Kirk-Othmer encyclopedia of chemical technology. John Wiley & Sons, Inc., 1-7.
<http://mrw.interscience.wiley.com/emrw/9780471238966/kirk/article/perfsavu.a01.current/pdf>. April 01, 2008.
- Scheuplein R, Charnley G, Dourson M. 2002. Differential sensitivity of children and adults to chemical toxicity. I. Biological basis. *Regul Toxicol Pharmacol* 35(3):429-447.
- Schroder HF. 2003. Determination of fluorinated surfactants and their metabolites in sewage sludge samples by liquid chromatography with mass spectrometry and tandem mass spectrometry after pressurised liquid extraction and separation on fluorine-modified reversed-phase sorbents. *J Chromatogr A* 1020(1):131-151.

9. REFERENCES

- Schultz MM, Barofsky DF, Field JA. 2003. Fluorinated alkyl surfactants. *Environ Eng Sci* 20(5):487-501.
- Schultz MM, Barofsky DF, Field JA. 2006. Quantitative determination of fluorinated alkyl substances by large-volume-injection liquid chromatography tandem mass spectrometry. Characterization of municipal wastewaters. *Environ Sci Technol* 40:289-295.
- Seacat AM, Luebker DJ. 2000. Toxicokinetic study of perfluorooctane sulfonamide (PFOS; T-7132.2) in rats. 3M Strategic Toxicology Laboratory. Submitted to the U.S. Environmental Protection Agency's Administrative Record. AR226-1030A011.
- Seacat AM, Thomford PJ, Hansen KJ, et al. 2002. Subchronic toxicity studies on perfluorooctanesulfonate potassium salt in Cynomolgus monkeys. *Toxicol Sci* 68(1):249-264.
- Seacat AM, Thomford PJ, Hansen KJ, et al. 2003. Sub-chronic dietary toxicity of potassium perfluorooctanesulfonate in rats. (Erratum in: *Toxicology* 2003 192(2-3):263-264). *Toxicology* 183(1-3):117-133.
- Seals R, Bartell SM, Steenland K. 2011. Accumulation and clearance of perfluorooctanoic acid (PFOA) in current and former residents of an exposed community. *Environ Health Perspect* 119(1):119-124.
- Setchell BP, Waites GMH. 1975. The blood-testis barrier. In: Creep RO, Astwood EB, Geiger SR, eds. *Handbook of physiology: Endocrinology V*. Washington, DC: American Physiological Society, 143-172.
- Shankar A, Xiao J, Ducatman A. 2011a. Perfluoroalkyl chemicals and chronic kidney disease in US adults. *Am J Epidemiol* 174(8):893-900.
- Shankar A, Xiao J, Ducatman A. 2011b. Perfluoroalkyl chemicals and elevated serum uric acid in US adults. *Clin Epidemiol* 3:251-258.
- Shankar A, Xiao J, Ducatman A. 2012. Perfluorooctanoic acid and cardiovascular disease in US adults. *Arch Intern Med* 172(18):1397-1403.
- *Shi Z, Zhang H, Ding L, et al. 2009. The effect of perfluorododecanoic acid on endocrine status, sex hormones and expression of steroidogenic genes in pubertal female rats. *Reprod Toxicol* 27(3-4):352-359.
- Shi Z, Zhang H, Liu Y, et al. 2007. Alterations in gene expression and testosterone synthesis in the testes of male rats exposed to perfluorododecanoic acid. *Toxicol Sci* 98(1):206-215.
- Shin HM, Vieira VM, Ryan PB, et al. 2011. Environmental fate and transport modeling for perfluorooctanoic acid emitted from the Washington Works Facility in West Virginia. *Environ Sci Technol* 45(4):1435-1442.
- ShIPLEY JM, Hurst CH, Tanaka SS, et al. 2004. *trans*-Activation of PPAR(beta) and induction of PPAR(beta) target genes by perfluorooctane-based chemicals. *Toxicol Sci* 80(1):151-160.
- Shoeib M, Harner T, Ikononou M, et al. 2004. Indoor and outdoor air concentrations and phase partitioning of perfluoroalkyl sulfonamides and polybrominated diphenyl ethers. *Environ Sci Technol* 38:1313-1320.

9. REFERENCES

- Shoeib M, Harner T, Vlahos P. 2006. Perfluorinated chemicals in the arctic atmosphere. *Environ Sci Technol* 40:7577-7583.
- Siegemund G, Schwertfeger W, Feiring A, et al. 2005. Fluorine compounds, organic. Ullmann's Encyclopedia of Industrial Chemistry. Wiley-VCH Verlag GmbH & Co. http://mrw.interscience.wiley.com/emrw/9783527306732/ueic/article/a11_349/current/abstract. April 01, 2008.
- Simcik MF. 2005. Global transport and fate of perfluorochemicals. *J Environ Monit* 7:759-763.
- Simcik MF, Dorweiler KJ. 2005. Ratio of perfluorochemical concentrations as a tracer of atmospheric deposition to surface waters. *Environ Sci Technol* 39:8678-8683.
- Sinclair E, Kannan K. 2006. Mass loading and fate of perfluoroalkyl surfactants in wastewater treatment plants. *Environ Sci Technol* 40(5):1408-1414.
- Sinclair E, Kim SK, Akinleye HB, et al. 2007. Quantitation of gas-phase perfluoroalkyl surfactants and fluorotelomer alcohols released from nonstick cookware and microwave popcorn bags. *Environ Sci Technol* 41:1180-1185.
- Sinclair E, Mayack DT, Roblee K, et al. 2006. Occurrence of perfluoroalkyl surfactants in water, fish, and birds from New York State. *Arch Environ Contam Toxicol* 50:398-401.
- Sinclair E, Taniyasu S, Yamashita N, et al. 2004. Perfluorooctanoic acid and perfluorooctane sulfonate in Michigan and New York waters. *Organohalogen Compounds* 66:4069-4073.
- Small MJ. 2009. Final report of the peer consultation panel conducting the review for the scientific peer consultation process for a site environmental assessment program as part of the Dupont-EPA memorandum of understanding and Phase II Workplan. Pittsburgh, PA: Carnegie Mellon University, Civil and Environmental Engineering and Engineering and Public Policy.
- Smithwick M, Mabury SA, Solomon KR, et al. 2005a. Circumpolar study of perfluoroalkyl contaminants in polar bears (*Ursus maritimus*). *Environ Sci Technol* 39(15):5517-5523.
- Smithwick M, Muir DC, Mabury SA, et al. 2005b. Perfluoroalkyl contaminants in liver tissue from East Greenland polar bears (*Ursus maritimus*). *Environ Toxicol Chem* 24(4):981-986.
- Smithwick M, Norstrom RJ, Mabury SA, et al. 2006. Temporal trends of perfluoroalkyl contaminants in polar bears (*Ursus maritimus*) from two locations in the North American arctic, 1972-2002. *Environ Sci Technol* 40:1139-1143.
- So MK, Taniyasu S, Lam PKS, et al. 2006a. Alkaline digestion and solid phase extraction method for perfluorinated compounds in mussels and oysters from South China and Japan. *Arch Environ Contam Toxicol* 50:240-248.
- So MK, Yamashita N, Taniyasu S, et al. 2006b. Health risks in infants associated with exposure to perfluorinated compounds in human breast milk from Zhoushan, China. *Environ Sci Technol* 40:2924-2929.

9. REFERENCES

- Son H, Kim S, Shin HI, et al. 2008. Perfluorooctanoic acid-induced hepatic toxicity following 21-day oral exposure in mice. *Arch Toxicol* 82:239-246.
- Son HY, Lee S, Tak EN, et al. 2009. Perfluorooctanoic acid alters T lymphocyte phenotypes and cytokine expression in mice. *Environ Toxicol* 24(6):580-588.
- SPARC. 2008. Macroscopic pka. Sparc Performs Automated Reasoning in Chemistry. <http://sparc.chem.ugs.edu/sparc/display/ShowMacro.cfm>. May 08, 2008.
- Specht IO, Hougaard KS, Spano D, et al. 2012. Sperm DNA integrity in relation to exposure to environmental perfluoroalkyl substances. A study of spouses of pregnant women in three geographical regions. *Reprod Toxicol* 33:577-583.
- SRI. 2007. Perfluoroalkyls. 2007 Directory of chemical producers United States. Menlo Park, CA: SRI Consulting, 126-128.
- Stahl T, Heyn J, Thiele H, et al. 2009. Carryover of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) from soil to plants. *Arch Environ Contam Toxicol* 57:289-298.
- Staples RE, Burgess BA, Kerns WD. 1984. The embryo-fetal toxicity and teratogenic potential of ammonium perfluorooctanoate (APFO) in the rat. *Fundam Appl Toxicol* 4:429-440.
- Starkov AA, Wallace KB. 2002. Structural determinants of fluorochemical-induced mitochondrial dysfunction. *Toxicol Sci* 66(2):244-252.
- Stasinakis AS, Petalas AV, Mamais D, et al. 2008. Application of the OECD 301F respirometric test for the biodegradability assessment of various potential endocrine disrupting chemicals. *Bioresour Technol* 99:3458-3467.
- Steenland K, Woskie S. 2012. Cohort mortality study of workers exposed to perfluorooctanoic acid. *Am J Epidemiol* 176(10):909-917.
- Steenland K, Fletcher T, Savitz DA. 2010a. Epidemiologic evidence on the health effects of perfluorooctanoic acid (PFOA). *Environ Health Perspect* 118(8):1100-1108.
- Steenland K, Jin C, MacNeil J, et al. 2009a. Predictors of PFOA levels in a community surrounding a chemical plant. *Environ Health Perspect* 117(7):1083-1088.
- Steenland K, Tinker S, Frisbee S, et al. 2009b. Association of perfluorooctanoic acid and perfluorooctane sulfonate with serum lipids among adults living near a chemical plant. *Am J Epidemiol* 170(10):1268-1278.
- Steenland K, Tinker S, Shankar A, et al. 2010b. Association of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) with uric acid among adults with elevated community exposure to PFOA. *Environ Health Perspect* 118(2):229-233.
- Steenland K, Zhao L, Winquist A, et al. 2013. Ulcerative colitis and perfluorooctanoic acid (PFOA) in a highly exposed population of community residents and workers in the Mid-Ohio Valley. *Environ Health Perspect* 121(8):900-905.

9. REFERENCES

- Stein CR, Savitz DA. 2011. Serum perfluorinated compound concentration and attention deficit/hyperactivity disorder in children 5-18 years of age. *Environ Health Perspect* 119(10):1466-1471.
- Stein CR, Savitz DA, Bellinger DC. 2013. Perfluorooctanoate and neuropsychological outcomes in children. *Epidemiology* 24(4):590-599.
- Stein CR, Savitz DA, Dougan M. 2009. Serum levels of perfluorooctanoic acid and perfluorooctane sulfonate and pregnancy outcome. *Am J Epidemiol* 170(7):837-846.
- Stock NL, Lau FK, Ellis DA, et al. 2004. Polyfluorinated telomer alcohols and sulfonamides in the North American troposphere. *Environ Sci Technol* 38:991-996.
- Strynar MJ, Lindstrom AB. 2008. Perfluorinated compounds in house dust from Ohio and North Carolina, USA. *Environ Sci Technol* 42:3751-3756.
- Suh CH, Cho NK, Lee CK, et al. 2011. Perfluorooctanoic acid-induced inhibition of placental prolactin-family hormone and fetal growth retardation in mice. *Mol Cell Endocrinol* 337(1-2):7-15.
- Sundström J, Sullivan L, D'Agostino RB, et al. 2005. Relations of serum uric acid to longitudinal blood pressure tracking and hypertension incidence. *Hypertension* 45:28-33.
- Sundström M, Chang SC, Noker PE, et al. 2012. Comparative pharmacokinetics of perfluorohexanesulfonate (PFHxS) in rats, mice, and monkeys. *Reprod Toxicol* 33(4):441-451.
- Takacs ML, Abbott BD. 2007. Activation of mouse and human peroxisome proliferator-activated receptors (α, β, γ) by perfluorooctanoic acid and perfluorooctane sulfonate. *Toxicol Sci* 95(1):108-117.
- Takagi A, Sai K, Umemura T, et al. 1991. Short-term exposure to the peroxisome proliferators, perfluorooctanoic acid and perfluorodecanoic acid, causes significant increase of 8-hydroxydeoxyguanosine in liver DNA of rats. *Cancer Lett* 57(1):55-60.
- Tan X, Xie G, Sun X, et al. 2013. High fat diet feeding exaggerates perfluorooctanoic acid-induced liver injury in mice via modulating multiple metabolic pathways. *PLoS ONE* 8(4):e61409.
- Tan Y, Clewell HJ, Andersen ME. 2008. Time dependencies in perfluorooctylacids disposition in rat and monkeys: A kinetic analysis. *Toxicol Lett* 177:38-47.
- Taniyasu S, Kannan K, So MK, et al. 2005. Analysis of fluorotelomer alcohols, fluorotelomer acids, and short- and long-chain perfluorinated acids in water and biota. *J Chromatogr A* 1093:89-97.
- Tao L, Kannan K, Aldous KM, et al. 2008a. Biomonitoring of perfluorochemicals in plasma of New York State personnel responding to the World Trade Center disaster. *Environ Sci Technol* 42(9):3472-3478.
- Tao L, Kannan K, Wong CM, et al. 2008b. Perfluorinated compounds in human milk from Massachusetts, U.S.A. *Environ Sci Technol* 42(8):3096-3101.
- Thibodeaux JR, Hanson RG, Rogers JM, et al. 2003. Exposure to perfluorooctane sulfonate during pregnancy in rat and mouse. I: Maternal and prenatal evaluations. *Toxicol Sci* 74(2):369-381.

9. REFERENCES

- Thomas K, Colborn T. 1992. Organochlorine endocrine disruptors in human tissue. In: Colborn T, Clement C, eds. Chemically induced alterations in sexual and functional development: The wildlife/human connection. Princeton, NJ: Princeton Scientific Publishing, 365-394.
- Thomford PJ. 2001. 4-Week capsule toxicity study with ammonium perfluorooctanoate (APFO) in *Cynomolgus* monkeys. APME Ad-Hoc APFO toxicology working group.
- Thomford PJ. 2002a. 4-week capsule toxicity study with perfluorooctane sulfonic acid potassium salt (PFOS; T-6295) in *Cynomolgus* monkeys. St. Paul, MN: 3M.
- Thomford PJ. 2002b. 104-Week dietary chronic toxicity and carcinogenicity study with perfluorooctane sulfonic acid potassium salt (PFOS; T-6295) in rats. St. Paul, MN: 3M.
- Thomsen C, Haug LS, Stigum H, et al. 2010. Changes in concentrations of perfluorinated compounds, polybrominated diphenyl ethers, and polychlorinated biphenyls in Norwegian breast-milk during twelve months of lactation. *Environ Sci Technol* 44(24):9550-9556.
- Tilton SC, Orner GA, Benninghoff AD, et al. 2008. Genomic profiling reveals an alternate mechanism for hepatic tumor promotion by perfluorooctanoic acid in rainbow trout. *Environ Health Perspect* 116(8):1047-1055.
- Tittlemier S, Ryan JJ, Van Oostdam J. 2004. Presence of anionic perfluorinated organic compounds in serum collected from northern Canadian populations. *Organohalogen Compounds* 66:3959-3964.
- Tittlemier SA, Pepper K, Seymour C, et al. 2007. Dietary exposure of Canadians to perfluorinated carboxylates and perfluorooctane sulfonate via consumption of meat, fish, fast foods, and food items prepared in their packaging. *J Agric Food Chem* 55:3203-3210.
- Toft G, Jonsson BA, Lindh CH, et al. 2012. Exposure to perfluorinated compounds and human semen quality in Arctic and European populations. *Hum Reprod* 27(8):2532-2540.
- Toms LL, Calafat AM, Kato K, et al. 2009. Polyfluoroalkyl chemicals in pooled blood serum from infants, children, and adults in Australia. *Environ Sci Technol* 43(11):4194-4199.
- Tomy GT, Budakowski W, Halldorson T, et al. 2004. Fluorinated organic compounds in an eastern arctic marine food web. *Environ Sci Technol* 38:6475-6481.
- Trudel D, Horowitz L, Wormuth M, et al. 2008. Estimating consumer exposure to PFOS and PFOA. *Risk Anal* 28(2):251-269.
- Tseng C, Liu L, Chen C, et al. 2006. Analysis of perfluorooctanesulfonate and related fluorochemicals in water and biological tissue samples by liquid chromatography-ion trap mass spectrometry. *J Chromatogr A* 1105:119-126.
- Uhl SA, James-Todd T, Bell ML. 2013. Association of osteoarthritis with perfluorooctanoate and perfluorooctane sulfonate in NHANES 2003-2008. *Environ Health Perspect* 121(4):447-452.
- Ullah S, Huber S, Bignert A, et al. 2014. Temporal trends of perfluoroalkane sulfonic acids and their sulfonamide-based precursors in herring from the Swedish west coast 1991-2011 including isomer-specific considerations. *Environ Int* 65:63-72.

9. REFERENCES

Upham BL, Deocampo ND, Wurl B, et al. 1998. Inhibition of gap junctional intercellular communication by perfluorinated fatty acids is dependent on the chain length of the fluorinated tail. *Int J Cancer* 78:491-495.

Vanden Heuvel JP, Davis JW, Sommers R, et al. 1992a. Renal excretion of perfluorooctanoic acid in male rats: Inhibitory effect of testosterone. *J Biochem Toxicol* 7(1):31-36.

Vanden Heuvel JP, Kuslikis BI, Peterson RE. 1992b. Covalent binding of perfluorinated fatty acids to proteins in the plasma, liver and testes of rats. *Chem Biol Interact* 82:318-328.

Vanden Heuvel JP, Kuslikis BI, Shrago E, et al. 1991a. Inhibition of long-chain acyl-CoA synthetase by the peroxisome proliferator perfluorodecanoic acid in rat hepatocytes. *Biochem Pharmacol* 42(2):295-302.

Vanden Heuvel JP, Kuslikis BI, Van Rafelghem MJ, et al. 1991b. Disposition of perfluorodecanoic acid in male and female rats. *Toxicol Appl Pharmacol* 107:450-459.

Vanden Heuvel JP, Kuslikis BI, Van Rafelghem MJ, et al. 1991c. Tissue distribution, metabolism, and elimination of perfluorooctanoic acid in male and female rats. *J Biochem Toxicol* 6(2):83-92.

Vanden Heuvel JP, Thompson JT, Frame SR, et al. 2006. Differential activation of nuclear receptors by perfluorinated fatty acid analogs and natural fatty acids: A comparison of human, mouse, and rat peroxisome proliferator-activated receptor- α , - β , and - γ , liver x receptor- β , and retinoid x receptor- α . *Toxicol Sci* 92(2):476-489.

Van Leeuwen SPJ, Karrman A, Van Bavel B, et al. 2006. Struggle for quality in determination of perfluorinated contaminants in environmental and human samples. *Environ Sci Technol* 40:7854-7860.

van Otterdijk FM. 2007a. Repeated dose 28-day oral toxicity study with MTDID-8391 by daily gavage in the rat, followed by a 21-day recovery period. 3M.

van Otterdijk FM. 2007b. Repeated dose 90-day oral toxicity study with MTDID 8391 by daily gavage in the rat followed by a 3-week recovery period. 3M.

Van Rafelghem MJ, Inhorn SI, Peterson RE. 1987a. Effects of perfluorodecanoic acid on thyroid status in rats. *Toxicol Appl Pharmacol* 87:430-439.

Van Rafelghem MJ, Mattie DR, Bruner RH, et al. 1987b. Pathological and hepatic ultrastructural effects of a single dose of perfluoro-n-decanoic acid in the rat, hamster, mouse and guinea pig. *Fundam Appl Toxicol* 9(3):522-540.

Van Rafelghem MJ, Noren CW, Menahan LA, et al. 1988b. Interrelationships between energy and fat metabolism and hypophagia in rats treated with perfluorodecanoic acid. *Toxicol Lett* 40(1):57-69.

Van Rafelghem MJ, Vanden Heuvel JP, Menahan LA, et al. 1988a. Perfluorodecanoic acid and lipid metabolism in the rat. *Lipids* 23(7):671-678.

Verreault J, Berger U, Gabrielsen GW. 2007. Trends of perfluorinated alkyl substances in herring gull eggs from two coastal colonies in northern Norway: 1983-2003. *Environ Sci Technol* 41:6671-6677.

9. REFERENCES

- Verreault J, Houde M, Gabrielsen GW, et al. 2005. Perfluorinated alkyl substances in plasma, liver, brain, and eggs of glaucous gulls (*Larus hyperboreus*) from the Norwegian Arctic. *Environ Sci Technol* 39:7439-7445.
- Vested A, Ramlau-Hansen CH, Olsen SF, et al. 2013. Associations of *in utero* exposure to perfluorinated alkyl acids with human semen quality and reproductive hormones in adult men. *Environ Health Perspect* 121(4):453-458.
- Vestergaard S, Nielsen F, Andersson AM, et al. 2012. Association between perfluorinated compounds and time to pregnancy in a prospective cohort of Danish couples attempting to conceive. *Hum Reprod* 27(3):873-880.
- Vestergren R, Cousins IT. 2009. Tracking the pathways of human exposure to perfluorocarboxylates. *Environ Sci Technol* 43(15):5565-5575.
- Vestergren R, Cousins IT, Trudel D, et al. 2008. Estimating the contribution of precursor compounds in consumer exposure to PFOS and PFOA. *Chemosphere* 73(10):1617-1624.
- Viberg H, Lee I, Eriksson P. 2013. Adult dose-dependent behavioral and cognitive disturbances after a single neonatal PFHxS dose. *Toxicology* 304:185-191.
- Vieira I, Sonnier M, Cresteil T. 1996. Developmental expression of CYP2E1 in the human liver: Hypermethylation control of gene expression during the neonatal period. *Eur J Biochem* 238(2):476-483.
- Vieira VM, Hoffman K, Shin M, et al. 2013. Perfluorooctanoic acid exposure and cancer outcomes in a contaminated community: A geographic analysis. *Environ Health Perspect* 121(3):318-323.
- Völkel W, Genzel-Boroviczeny O, Demmelmair H, et al. 2008. Perfluorooctane sulphonate (PFOS) and perfluorooctanoic acid (PFOA) in human breast milk: Results of a pilot study. *Int J Hyg Environ Health* 211:440-446.
- von Ehrenstein OS, Fenton SE, Kato K, et al. 2009. Polyfluoroalkyl chemicals in the serum and milk of breastfeeding women. *Reprod Toxicol* 27(3-4):239-245.
- Wallington TJ, Hurley MD, Xia J, et al. 2006. Formation of C₇F₁₅COOH (PFOA) and other perfluorocarboxylic acids during the atmospheric oxidation of 8:2 fluorotelomer alcohol. *Environ Sci Technol* 40:924-930.
- Wan HT, Zhao YG, Wong MH, et al. 2011. Testicular signaling is the potential target of perfluorooctanesulfonate-mediated subfertility in male mice. *Biol Reprod* 84(5):1016-1023.
- Wang IJ, Hsieh W-S, Chen C-Y, et al. 2011. The effect of prenatal perfluorinated chemicals exposures on pediatric atopy. *Environ Res* 111(6):785-791.
- Wang J, Zhang Y, Zhang W, et al. 2012. Association of perfluorooctanoic acid with HDL cholesterol and circulating miR-26b and miR-199-3p in workers of a fluorochemical plant and nearby residents. *Environ Sci Technol* 46(17):9274-9281.
- Wang N, Szostek B, Buck RC, et al. 2005a. Fluorotelomer alcohol biodegradation—direct evidence that perfluorinated carbon chains breakdown. *Environ Sci Technol* 39:7516-7528.

9. REFERENCES

- Wang N, Szostek B, Folsom PW, et al. 2005b. Aerobic biotransformation of 14c-labeled 8-2 telomer B alcohol by activated sludge from a domestic sewage treatment plant. *Environ Sci Technol* 39:531-538.
- Wang Y, Starling AP, Haug LS, et al. 2013. Association between Perfluoroalkyl substances and thyroid stimulating hormone among pregnant women: A cross-sectional study. *Environ Health* 12(1):76.
- Wang Y, Yeung LWY, Taniyasu S, et al. 2008. Perfluorooctane sulfonate and other fluorochemicals in waterbird eggs from south China. *Environ Sci Technol* 42(21):8146-8151.
- Wania F. 2007. A global mass balance analysis of the source of perfluorocarboxylic acids in the Arctic Ocean. *Environ Sci Technol* 41:4529-4535.
- Washburn ST, Bingman TS, Braitwaite SK, et al. 2005. Exposure assessment and risk characterization for perfluorooctanoate in selected consumer articles. *Environ Sci Technol* 39:3904-3910.
- Washington JW, Ellington J, Jenkins TM, et al. 2009. Degradability of an acrylate-linked, fluorotelomer polymer in soil. *Environ Sci Technol* 43(17):6617-6623.
- Washington JW, Henderson WM, Ellington JJ, et al. 2008. Analysis of perfluorinated carboxylic acids in soils II: Optimization of chromatography and extraction. *J Chromatogr A* 1181:21-32.
- Washington State Department of Ecology. 2006. Persistent Bioaccumulative Toxins rule. Olympia, WA: Chapter 173-333 WAC. <http://www.ecy.wa.gov/biblio/wac173333.html>. July 01, 2008.
- Washino N, Saijo Y, Sasaki S, et al. 2009. Correlations between prenatal exposure to perfluorinated chemicals and reduced fetal growth. *Environ Health Perspect* 117:660-667.
- Watkins DJ, Jossion J, Elston B, et al. 2013. Exposure to perfluoroalkyl acids and markers of kidney function among children and adolescents living near a chemical plant. *Environ Health Perspect* 121(5):625-630.
- Weaver YM, Ehresman DJ, Butenhoff JL, et al. 2010. Roles of rat renal organic anion transporters in transporting perfluorinated carboxylates with different chain lengths. *Toxicol Sci* 113(2):305-314.
- Wei S, Chen LQ, Taniyasu S, et al. 2007a. Distribution of perfluorinated compounds in surface seawaters between Asia and Antarctica. *Mar Pollut Bull* 54:1813-1838.
- Wei Y, Dai J, Liu M, et al. 2007b. Estrogen-like properties of perfluorooctanoic acid as revealed by expressing hepatic estrogen-responsive genes in rare minnows (*Gobiocypris rarus*) *Environ Toxicol Chem* 26(11):2440-2447.
- West JR, Smith HW, Chasis H. 1948. Glomerular filtration rate, effective renal blood flow, and maximal tubular excretory capacity in infancy. *J Pediatr* 32:10-18.
- White SS, Calafat AM, Kuklennyik Z, et al. 2007. Gestational PFOA exposure of mice is associated with altered mammary gland development in dams and female offspring. *Toxicol Sci* 96(1):133-144.
- White SS, Fenton SE, Hines EP. 2011a. Endocrine disrupting properties of perfluorooctanoic acid. *J Steroid Biochem Mol Biol* 127(1-2):16-26.

9. REFERENCES

- White SS, Kato K, Jia LT, et al. 2009. Effects of perfluorooctanoic acid on mouse mammary gland development and differentiation resulting from cross-foster and restricted gestational exposures. *Reprod Toxicol* 27(3-4):289-298.
- White SS, Stanko JP, Kato K, et al. 2011b. Gestational and chronic low-dose PFOA exposures and mammary gland growth and differentiation in three generations of CD-1 mice. *Environ Health Perspect* 119(8):1070-1076.
- Whitworth KW, Haug LS, Baird DD, et al. 2012a. Perfluorinated compounds in relation to birth weight in the Norwegian Mother and Child Cohort Study. *Am J Epidemiol* 175(12):1209-1216.
- Whitworth KW, Haug LS, Baird DD, et al. 2012b. Perfluorinated compounds and subfecundity in pregnant women. *Epidemiology* 23(2):257-263.
- WHO. 2010. Guidelines for indoor air quality: Selected pollutants. Geneva, Switzerland: World Health Organization. http://www.euro.who.int/__data/assets/pdf_file/0009/128169/e94535.pdf. January 08, 2014.
- WHO. 2011. Guidelines for drinking-water quality. Geneva, Switzerland: World Health Organization. http://www.who.int/water_sanitation_health/publications/2011/dwq_guidelines/en/index.html. January 08, 2014.
- Widdowson EM, Dickerson JWT. 1964. Chemical composition of the body. In: Comar CL, Bronner F, eds. *Mineral metabolism: An advanced treatise. Volume II: The elements Part A*. New York, NY: Academic Press, 1-247.
- Wilhelm M, Kraft M, Rauchfuss K, et al. 2008. Assessment and management of the first German case of a contamination with perfluorinated compounds (PFC) in the Region Sauerland, North Rhine-Westphalia. *J Toxicol Environ Health A* 71:725-733.
- Wilhelm M, Holzer J, Dobler L, et al. 2009. Preliminary observations on perfluorinated compounds in plasma samples (1977-2004) of young German adults from an area with perfluorooctanoate-contaminated drinking water. *Int J Hyg Environ Health* 212(2):142-145.
- Wolf CJ, Fenton SE, Schmid JE, et al. 2007. Developmental toxicity of perfluorooctanoic acid in the CD-1 mouse after cross-foster and restricted gestational exposures. *Toxicol Sci* 95(2):462-473.
- Wolf CJ, Takacs ML, Schmid JE, et al. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. *Toxicol Sci* 106(1):162-171.
- Wu LL, Gao HW, Gao NY, et al. 2009. Interaction of perfluorooctanoic acid with human serum albumin. *BMC Struct Biol* 9:31.
- Xia W, Wan Y, Li YY, et al. 2011. PFOS prenatal exposure induce mitochondrial injury and gene expression change in hearts of weaned SD rats. *Toxicology* 282(1-2):23-29.
- Xie Y, Yang Q, Nelson BD, et al. 2003. The relationship between liver peroxisome proliferation and adipose tissue atrophy induced by peroxisome proliferator exposure and withdrawal in mice. *Biochem Pharmacol* 66(5):749-756.

9. REFERENCES

- Yahia D, El-Nasser MA, Abedel-Latif M, et al. 2010. Effects of perfluorooctanoic acid (PFOA) exposure to pregnant mice on reproduction. *J Toxicol Sci* 35(4):527-533.
- Yahia D, Tsukuba C, Yoshida M, et al. 2008. Neonatal death of mice treated with perfluorooctane sulfonate. *J Toxicol Sci* 33(2):219-226.
- Yamada T, Taylor PH, Buck RC, et al. 2005. Thermal degradation of fluorotelomer treated articles and related materials. *Chemosphere* 61:974-984.
- Yamashita N, Kannan K, Taniyasu S, et al. 2004. Analysis of perfluorinated acids at parts-per-quadrillion levels in seawater using liquid chromatography-tandem mass spectrometry. *Environ Sci Technol* 38:5522-5528.
- Yamashita N, Kannan K, Taniyasu S, et al. 2005. A global survey of perfluorinated acids in oceans. *Mar Pollut Bull* 51:658-668.
- Yamashita N, Taniyasu S, Petrick G, et al. 2008. Perfluorinated acids as novel chemical tracers of global circulation of ocean waters. *Chemosphere* 70:1247-1255.
- Yang CH, Glover KP, Han X. 2009. Organic anion transporting polypeptide (Oatp) 1a1-mediated perfluorooctanoate transport and evidence for a renal reabsorption mechanism of Oatp1a1 in renal elimination of perfluorocarboxylates in rats. *Toxicol Lett* 190(2):163-171.
- Yang CH, Glover KP, Han X. 2010. Characterization of cellular uptake of perfluorooctanoate via organic anion-transporting polypeptide 1A2, organic anion transporter 4, and urate transporter 1 for their potential roles in mediating human renal reabsorption of perfluorocarboxylates. *Toxicol Sci* 117(2):294-302.
- Yang Q, Abedi-Valugerdi M, Xie Y, et al. 2002a. Potent suppression of the adaptive immune response in mice upon dietary exposure to the potent peroxisome proliferator, perfluorooctanoic acid. *Int Immunopharmacol* 2(2-3):389-397.
- Yang Q, Xie Y, Alexson SE, et al. 2002b. Involvement of the peroxisome proliferator-activated receptor alpha in the immunomodulation caused by peroxisome proliferators in mice. *Biochem Pharmacol* 63(10):1893-1900.
- Yang Q, Xie Y, Depierre JW. 2000. Effects of peroxisome proliferators on the thymus and spleen of mice. *Clin Exp Immunol* 122(2):219-226.
- Yang Q, Xie Y, Eriksson AM, et al. 2001. Further evidence for the involvement of inhibition of cell proliferation and development in thymic and splenic atrophy induced by the peroxisome proliferator perfluorooctanoic acid in mice. *Biochem Pharmacol* 62(8):1133-1140.
- Yao X, Zhong L. 2005. Genotoxic risk and oxidative DNA damage in HepG2 cells exposed to perfluorooctanoic acid. *Mutat Res* 587:38-44.
- Yarwood G, Kembell-Cook S, Keinath M, et al. 2007. High-resolution atmospheric modeling of fluorotelomer alcohols and perfluorocarboxylic acids in the North American troposphere. *Environ Sci Technol* 41:5756-5762.

9. REFERENCES

- Ylinen M, Auriola S. 1990. Tissue distribution and elimination of perfluorodecanoic acid in the rat after single intraperitoneal administration. *Pharmacol Toxicol* 66:45-48.
- Ylinen M, Kojo A, Hanhijarvi H, et al. 1990. Disposition of perfluorooctanoic acid in the rat after single and subchronic administration. *Bull Environ Contam Toxicol* 44:46-53.
- Young CJ, Furdui VI, Franklin J, et al. 2007. Perfluorinated acids in Arctic snow: New evidence for atmospheric formation. *Environ Sci Technol* 41:3455-3461.
- Yu J, Hu J, Tanaka S, et al. 2009c. Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in sewage treatment plants. *Water Res* 43(9):2399-2408.
- Yu WG, Liu W, Jin YH. 2009a. Effects of perfluorooctane sulfonate on rat thyroid hormone biosynthesis and metabolism. *Environ Toxicol Chem* 28(5):990-996.
- Yu WG, Liu W, Jin YH, et al. 2009b. Prenatal and postnatal impact of perfluorooctane sulfonate (PFOS) on rat development: A cross-foster study on chemical burden and thyroid hormone system. *Environ Sci Technol* 43(21):8416-8422.
- Zhang H, Shi Z, Liu Y, et al. 2008. Lipid homeostasis and oxidative stress in the liver of male rats exposed to perfluorododecanoic acid. *Toxicol Appl Pharmacol* 227:16-25.
- Zhang X, Chen L, Fei XC, et al. 2009. Binding of PFOS to serum albumin and DNA: Insight into the molecular toxicity of perfluorochemicals. *BMC Mol Biol* 10:16.
- Zhao G, Wang J, Wang X, et al. 2011. Mutagenicity of PFOA in mammalian cells: Role of mitochondria-dependent reactive oxygen species. *Environ Sci Technol* 45(4):1638-1644.
- Zheng L, Dong GH, Jin YH, et al. 2009. Immunotoxic changes associated with a 7-day oral exposure to perfluorooctanesulfonate (PFOS) in adult male C57BL/6 mice. *Arch Toxicol* 83(7):679-689.
- Ziegler EE, Edwards BB, Jensen RL, et al. 1978. Absorption and retention of lead by infants. *Pediatr Res* 12(1):29-34.