

## Research output

2025

### **Paternal pre-conceptional smoking and semen quality in the adult son**

Haervig, K. K., Petersen, K. U., Dornfeldt, M. M., Bonde, J. P., Hougaard, K. S., Ramlau-Hansen, C. H., Toft, G., Lindh, C., Giwercman, A. & Tøttenborg, S. S., Jan 2025, In: *Andrology*. 13, 1, p. 82-88 7 p.

### **Intratracheal instillation for the testing of pulmonary toxicity in mice-Effects of instillation devices and feed type on inflammation**

Hadrup, N., Guldbrandsen, M., Terrida, E., Bendtsen, K. M. S., Hougaard, K. S., Jacobsen, N. R. & Vogel, U., 3 Jan 2025, (E-pub ahead of print) In: *Animal Models and Experimental Medicine*.

### **Parental age at birth and biomarkers of fecundity in young Danish men**

Ernst, A., Brix, N., Gaml-Sørensen, A., Arendt, L. H., Toft, G., Tøttenborg, S. S., Hougaard, K. S., Bonde, J. P. E. & Ramlau-Hansen, C. H., Jan 2025, In: *Andrology*. 13, 1, p. 89-100 12 p.

2024

### **Demolition workers' exposure to polychlorinated biphenyls at specific work tasks during abatement and demolition of a highly contaminated building estate by full congener analysis**

Frederiksen, M., Kines, P., Jensen, K., Schlünssen, V., Hougaard, K. & Hammel, S. C., 30 Sept 2024.

### **Maleic acid anhydride: Scientific basis for setting a health-based occupational exposure limit**

Danielsen, P. H., Saber, A., Hadrup, N., Poulsen, S., Hougaard, K. & Vogel, U., Jul 2024, Copenhagen: National Research Centre for the Working Environment.

### **O-325 Physical work demands during pregnancy and the risk of preterm birth - Findings from a Danish register-based cohort study**

Sejlbæk, C. S., Meulengracht Flachs, E., Frankel, H., Mehlum, I. S., Tøttenborg, S. S., Madsen, I., Rugulies, R. & Hougaard, K., 2024, In: *Occupational Medicine*. 74, Suppl 1, 23590.

### **Prenatal particle exposure and ageing of the CNS-a study in young and aged mice cohorts**

Rothmann, M. H., Vogel, U., Møller, P., Meehan, C. & Hougaard, K., Sept 2024, In: *Toxicology Letters*. 399, Suppl 2, p. S179-S179

### **Maternal intake of paracetamol during pregnancy and biomarkers of male fecundity in young adult sons**

Laursen, T. Q., Ramlau-Hansen, C. H., Tøttenborg, S. S., Liew, Z., Toft, G., Gaml-Sørensen, A., Hougaard, K. S., Bonde, J. P. E. & Ernst, A., Aug 2024, In: *Reproductive Toxicology*. 127, p. 108626

### **Maternal coffee consumption and biomarkers of reproductive health in young, adult sons: a cohort study**

Langergaard, M. J., Ernst, A., Bech, B. H., Tøttenborg, S. S., Brix, N., Toft, G., Gaml-Sørensen, A., Hougaard, K. S., Arendt, L. H., Bonde, J. P. E. & Ramlau-Hansen, C. H., Dec 2024, In: *Reproductive Toxicology*. 130, p. 108689

### **Birth by caesarean section and semen quality in adulthood: a Danish population-based cohort study**

Huang, K., Gaml-Sørensen, A., Brix, N., Ernst, A., Arendt, L. H., Bonde, J. P. E., Hougaard, K. S., Toft, G., Tøttenborg, S. S. & Ramlau-Hansen, C. H., 8 Mar 2024, In: *Reproductive Health*. 21, 1, p. 33

### **Pulmonary maternal immune activation does not cross the placenta but leads to fetal metabolic adaptation**

Hansen, S. S. K., Krautz, R., Rago, D., Havelund, J., Stigliani, A., Færgeman, N. J., Prézélin, A., Rivière, J., Couturier-Tarrade, A., Akimov, V., Blagoev, B., Elfving, B., Neess, D., Vogel, U., Khodosevich, K., Hougaard, K. S. & Sandelin, A., 3 Jun 2024, In: *Nature Communications*. 15, 1, p. 4711 4711.

**Lower chlorinated PCBs accumulate in demolition workers while working on a contaminated worksite**

Hammel, S. C., Schlünssen, V., Hope, D., Dereviankin, M., Sandau, C. D., Hougaard, K. S., Meyer, H. W., Kines, P., Jensen, K. A. & Frederiksen, M., Nov 2024, In: Environ Int. 193, p. 109076

**Maternal pre-pregnancy BMI and reproductive health in adult sons: a study in the Danish National Birth Cohort**

Gaml-Sørensen, A., Thomsen, A. H., Tøttenborg, S. S., Brix, N., Hougaard, K. S., Toft, G., Håberg, S. E., Myrskylä, M., Bonde, J. P. & Ramlau-Hansen, C. H., 5 Jan 2024, In: Human Reproduction. 39, 1, p. 219-231 13 p.

**Occupational psychosocial stressors and ergonomic strain during pregnancy and sex-specific risk of childhood asthma**

Dornfeldt, M. M., Tøttenborg, S. S., Flachs, E. M., Begtrup, L. M., Madsen, I. E. H., Hougaard, K. S. & Sejbaek, C. S., 4 Dec 2024, (E-pub ahead of print) In: International Archives of Occupational and Environmental Health.

**Maternal use of nitrosatable drugs during pregnancy and adult male reproductive health: A population-based cohort study**

Clemmensen, P. J., Brix, N., Schullehner, J., Toft, G., Søgaard Tøttenborg, S., Hougaard, K. S., Bjerregaard, A. A., Halldorsson, T. I., Olsen, S. F., Hansen, B., Stayner, L. T., Sigsgaard, T., Kolstad, H., Bonde, J. P. E. & Ramlau-Hansen, C. H., Nov 2024, In: Andrology. 12, 8, p. 1740-1750 11 p.

**Cohort Profile: DOC\*X-Generation-a nationwide Danish pregnancy cohort with Occupational eXposure data**

Begtrup, L. M., Bonde, J. P. E., Flachs, E. M., Mehlum, I. S., Brauer, C., Pedersen, M., Tøttenborg, S. S., Hougaard, K. S. & Sejbaek, C. S., 12 Jun 2024, In: International Journal of Epidemiology. 53, 4, dyae090.

2023

**Ischemic heart disease and occupational exposure to dust**

Wils, R. S., Flachs, E. M., Stockholm, Z. A., Sejbaek, C. S., Hidalgo, M., Schlünssen, V., Hougaard, K., Bang, C., Gustavsson, P. & Bonde, J. P., 2023, p. A12.

**Exposure to airborne polychlorinated biphenyls and risk of uterine leiomyomata, endometriosis, and PCOS: a register-based Danish cohort study**

Tøttenborg, S. S., Deen, L., Wise, L. A., Wesselink, A. K., Nielsen, H. S., Petersen, K. U., Frederiksen, M., Meyer, H. W., Hougaard, K. & Bonde, J., 2023, p. OP-338.

**Exposure to per- and polyfluoroalkyl substances (PFAS) during pregnancy and male reproductive function in young adulthood**

Petersen, K. U., Hærvig, K. K., Hougaard, K., Lindh, C., Ramlau-Hansen, C., Toft, G., Giwercman, A., Høyer, B. B., Flachs, E., Bonde, J. P. & Tøttenborg, S. S., 2023, p. A10.

**FAIR data management in exposome research – a case study from the EU-funded EXIMIOUS project**

Ghosh, M., Broothaerts, K., Ronsmans, S., Roig, I. B., Scheepers, J., Dikmen, M., Ciscato, E. R., Blanch, C., Plusquin, M., Nygaard, U. C., Sejbaek, C. S., Hougaard, K. & Hoet, P. H. M., 2023, p. A83.

**Maternal pre-pregnancy body mass index and biomarkers of fecundity in adult sons: a cohort study**

Gaml-Sørensen, A., Thomsen, A. H., Tøttenborg, S. S., Brix, N., Hougaard, K., Toft, G., Håberg, S. E., Myrskylä, M., Bonde, J. P. & Ramlau-Hansen, C. H., 2023, p. 69-69.

**Reproduktionsskadelige kemiske stoffer i det danske arbejdsmiljø**

Hougaard, K., May 2023, København: Det Nationale Forskningscenter for Arbejdsmiljø. (NFA-rapport).

**Lessons from nanosafety research for effective regulation and safer handling of nanomaterials at the workplace**

Vogel, U., Jensen, K. A., Saber, A. T., Hadrup, N., Andersen, M. H. G., Hougaard, K. S., Jacobsen, N. R. & Sørensen, O. H., Nov 2023, In: Societal Impacts. 1, 1-2, p. 100016 1 p.

**Maternal alcohol intake in early pregnancy and biomarkers of fecundity in adult sons: A cohort study**

Thomsen, A. H., Gaml-Sørensen, A., Brix, N., Tøttenborg, S. S., Hougaard, K. S., Ernst, A., Arendt, L. H., Toft, G., Bonde, J. P. & Ramlau-Hansen, C. H., Aug 2023, In: Reproductive Toxicology. 119, p. 108396

**Genotoxicity in the absence of inflammation after tungsten inhalation in mice**

Sørli, J. B., Jensen, A. C. Ø., Mortensen, A., Szarek, J., Chatzigianni, E., Gutierrez, C. A. T., Jacobsen, N. R., Poulsen, S. S., Hafez, I., Loizides, C., Biskos, G., Hougaard, K. S., Vogel, U. & Hadrup, N., Jan 2023, In: Environmental Toxicology and Pharmacology. 98, p. 104074 1 p.

**Plethysmograph training: A refinement for collection of respiration data in mice**

Sørli, J. B., Hougaard, K. S. & Hadrup, N., 21 Aug 2023, In: Animal Models and Experimental Medicine. 6, 4, p. 369-374 6 p.

**Maternal age at menarche and reproductive health in young adult men: A cohort study**

Langergaard, M. J., Ernst, A., Brix, N., Gaml-Sørensen, A., Tøttenborg, S. S., Bonde, J. P. E., Toft, G., Hougaard, K. S. & Ramlau-Hansen, C. H., 5 Jan 2023, In: Human Reproduction. 38, 1, p. 125-138 14 p.

**Correlation between inhibition of lung surfactant function in vitro and rapid reduction in tidal volume following exposure to plant protection products in mice**

Hougaard, K. S., Jensen, A. C. Ø. & Sørli, J. B., 15 Jun 2023, In: Toxicology. 492, p. 153546

**Jeg har meget vådt arbejde og arbejder med forskellige kemikalier: Hvordan passer jeg bedst på min hud i mit daglige arbejde som laborant?**

Hougaard, K., Apr 2023, In: Laboranten. 4, p. 14-17

**Toxicity dose descriptors from animal inhalation studies of 13 nanomaterials and their bulk and ionic counterparts and variation with primary particle characteristics**

Hadrup, N., Sahlgren, N., Jacobsen, N. R., Saber, A. T., Hougaard, K. S., Vogel, U. & Jensen, K. A., 10 Jun 2023, In: Nanotoxicology. 17, 4, p. 338-371 34 p.

**Data management and protection in occupational and environmental exposome research - A case study from the EU-funded EXIMIOUS project**

Ghosh, M., Broothaerts, K., Ronsmans, S., Roig, I. B., Scheepers, J., Dikmen, M., Ciscato, E. R., Blanch, C., Plusquin, M., Nygaard, U. C., Sejbæk, C. S., Hougaard, K. S., Hoet, P. H. & EXIMIOUS consortium, 15 Nov 2023, In: Environmental Research. 237, Pt 1, 116886.

**Maternal intake of folate and folic acid during pregnancy and markers of male fecundity: A population-based cohort study**

Gaml-Sørensen, A., Brix, N., Høyer, B. B., Tøttenborg, S. S., Hougaard, K. S., Bonde, J. P. E., Clemmensen, P. J., Ernst, A., Arendt, L. H., Olsen, S. F., Granström, C., Henriksen, T. B., Toft, G. & Ramlau-Hansen, C. H., Mar 2023, In: Andrology. 11, 3, p. 537-550 14 p.

**Maternal vitamin D levels and male reproductive health: A population-based follow-up study**

Gaml-Sørensen, A., Brix, N., Hærvig, K. K., Lindh, C., Tøttenborg, S. S., Hougaard, K. S., Høyer, B. B., Ernst, A., Arendt, L. H., Clemmensen, P. J., Bonde, J. P. E., Henriksen, T. B., Toft, G., Arah, O. A. & Ramlau-Hansen, C. H., May 2023, In: European Journal of Epidemiology. 38, 5, p. 469-484 16 p.

**Selection bias in a male-offspring cohort investigating fecundity: is there reason for concern?**

Gaml-Sørensen, A., Brix, N., Tøttenborg, S. S., Hougaard, K. S., Hærvig, K. K., Bonde, J. P. E., Henriksen, T. B., Toft, G. & Ramlau-Hansen, C. H., 2023, In: Human Reproduction. 38, 2, p. 293-305

**Sleep duration and biomarkers of fecundity in young men: A cross-sectional study from a population-based cohort**

Gaml-Sørensen, A., Frølich, M. K., Brix, N., Ernst, A., Bonde, J. P. E., Hougaard, K. S., Tøttenborg, S. S., Clemmensen, P. J., Toft, G. & Ramlau-Hansen, C. H., 20 Nov 2023, In: Andrology. 12, 5, p. 1125-1136

**Reduction in hippocampal GABAergic transmission in a low birth weight rat model of depression**

Dósa, Z., Nieto-Gonzalez, J. L., Elfving, B., Hougaard, K. S., Holm, M. M., Wegener, G. & Jensen, K., Dec 2023, In: Acta Neuropsychiatrica. 35, 6, p. 315-327 13 p.

**Maternal fever during pregnancy and male offspring reproductive health: A longitudinal cohort study in young Danish males**

Dornfeldt, M. M., Andersen, A.-M. N., Hougaard, K. S., Ramlau-Hansen, C. H., Toft, G., Bonde, J. P. E., Hærvig, K. K., Petersen, K. U., Kofoed, A. B. B., Deen, L. & Tøttenborg, S. S., Mar 2023, In: *Andrology*. 11, 3, p. 523-536 14 p.

**Exposure to airborne polychlorinated biphenyls and type 2 diabetes in a Danish cohort**

Deen, L., Clark, A., Hougaard, K. S., Petersen, K. U., Frederiksen, M., Wise, L. A., Wesselink, A. K., Meyer, H. W., Bonde, J. P. & Tøttenborg, S. S., 15 Nov 2023, In: *Environmental Research*. 237, Pt 2, p. 117000

**Risk of cardiovascular diseases following residential exposure to airborne polychlorinated biphenyls: A register-based cohort study**

Deen, L., Clark, A., Hougaard, K. S., Meyer, H. W., Frederiksen, M., Pedersen, E. B., Petersen, K. U., Flachs, E. M., Bonde, J. P. E. & Tøttenborg, S. S., 1 Apr 2023, In: *Environmental Research*. 222, p. 115354

**Timing of puberty in relation to semen characteristics, testicular volume, and reproductive hormones: a cohort study**

Brix, N., Gaml-Sørensen, A., Ernst, A., Arendt, L. H., Lunddorf, L. L. H., Toft, G., Tøttenborg, S. S., Hærvig, K. K., Høyer, B. B., Hougaard, K. S., Bonde, J. P. E. & Ramlau-Hansen, C. H., Oct 2023, In: *Fertility and Sterility*. 120, 4, p. 823-833 11 p.

2022

**European Registered Toxicologist in Denmark – how to get the title**

Vogel, U., Vinggaard, A. M., Christensen, A., Hougaard, K., Knudsen, L. E., Rasmussen, A. D. & Bonefeld-Jørgensen, E. C., Apr 2022, p. 33-33.

**Status after two decades of nanosafety research: Toxicology of inhaled nanoparticles and regulatory needs**

Vogel, U., Poulsen, S. S., Danielsen, P. H., Andersen, M. H. G., Hougaard, K. S., Berthing, T., Mortensen, A., Hadrup, N. & Saber, A. T., 1 Aug 2022, p. 8-9.

**Stresspåvirkning i graviditeten: Kan mødres psykosociale jobbelastning under graviditeten give adfærdsproblemer hos 11-årige børn? Resultater fra et studie i Bedre Sundhed i Generationer**

Sejbæk, C., Niclasen, J., Bonde, J. P., Kristensen, P., Larsen, A., Schlünssen, V. & Hougaard, K., 2022, p. 37-39.

**Maternal age at menarche and reproductive health in young adult men: A nationwide cohort study**

Langergaard, M., Ernst, A., Brix, N., Gaml-Sørensen, A., Tøttenborg, S., Bonde, J. P. E., Toft, G., Hougaard, K. & Ramlau-Hansen, C. H., Apr 2022, p. 30-30.

**National Research Centre for the Working Environment**

Hougaard, K., Sørli, J. B., Saber, A., Frederiksen, M., Nøjgaard, J. N. K., Hadrup, N., Jensen, K. & Vogel, U., Apr 2022, p. 21-21.

**The placenta actively combats maternal inflammation and protects the fetus after maternal endotoxin exposure**

Hansen, S. S. K., Krautz, R., Rago, D., Blagoev, B., Akimov, V., Vogel, U., Khodosevich, K., Hougaard, K. & Sandelin, A., 2022.

**Maternal fever during pregnancy and offspring reproductive health: A longitudinal cohort study in young Danish males**

Grout, M., Andersen, A. M. N., Hougaard, K., Ramlau-Hansen, C. H., Toft, G., Bonde, J. P. E., Hærvig, K. K., Petersen, K. U., Kofoed, A., Deen, L. & Tøttenborg, S., Apr 2022, p. 38-38.

**The establishment of a Danish, nationwide parent-child cohort with occupational exposure data \*(DOC\*X Generation)**

Begtrup, M., Bonde, J. P., Flachs, E. M., Tøttenborg, S., Pedersen, M., Hougaard, K. & Sejbæk, C. S., Apr 2022, p. 42-42

### **Chapter 16 - Developmental toxicity of engineered nanomaterials**

Campagnolo, L., Møller, P., Jacobsen, N. R. & Hougaard, K. S., Mar 2022, *Reproductive and Developmental Toxicology (Third Edition)*. Gupta, R. C. (ed.). Third Edition ed. Academic Press, p. 285-305 21 p.

### **Polycyclic aromatic hydrocarbons containing benzo[a]pyrene: Scientific basis for setting a health-based occupational exposure limit (Polycykliske aromatiske hydrocarboner indeholdende benzo[a]pyren: Videnskabelig dokumentation for helbredsaserede risikoestimer)**

Poulsen, S., Jacobsen, N., Saber, A., Danielsen, P. H., Hougaard, K., Hadrup, N. & Vogel, U., Jul 2022, Copenhagen: National Research Centre for the Working Environment. (NFA-rapport).

### **Sprayprodukter, kemiske stoffer og astma i rengøringsbranchen**

Frederiksen, M., Hadrup, N., Sejbæk, C., Sørlie, J. B., Schlünssen, V., Hougaard, K., Meulengracht Flachs, E., Meyer, H. W., Frydendall, K., Wolkoff, P. & Clausen, P., 6 Jan 2022, Det Nationale Forskningscenter for Arbejdsmiljø. 36 p.

### **1,3-butadiene: Scientific basis for setting a health-based occupational exposure limit**

Danielsen, P. H., Saber, A., Hadrup, N., Jacobsen, N., Poulsen, S., Hougaard, K. & Vogel, U., Jun 2022, Copenhagen: National Research Centre for the Working Environment.

### **Ny dokumentation for helbredsaserede grænseværdier i arbejdsmiljøet for 10 stoffer**

Vogel, U., Poulsen, S., Danielsen, P. H., Hadrup, N., Jacobsen, N., Hougaard, K. & Saber, A., Sept 2022, In: *Miljø og sundhed*. 28, 2, p. 24-26

### **PFAS og mandlig reproduktion: Potentiel effekt af eksponering i fosterlivet og den tidlige voksenalder**

Ugelvig Petersen, K., Hærvig, K. K., Flachs, E. M., Bonde, J. P., Lindh, C., Hougaard, K., Toft, G., Ramlau-Hansen, C. H., Bjerre Høyer, B. & Søgaard Tøttenborg, S., Sept 2022, In: *Miljø og sundhed*. 28, 2, p. 12-18

### **Prenatal exposure to airborne polychlorinated biphenyl congeners and male reproductive health**

Tøttenborg, S. S., Hougaard, K. S., Deen, L., Pedersen, E. B., Frederiksen, M., Kofoed, A. B. B., Petersen, K. U., Meyer, H. W., Ebbenhøj, N. E. & Bonde, J. P. E., 22 Apr 2022, In: *Human Reproduction*. 37, 7, p. 1594-1608

### **Risikovurdering af forbrugersprayprodukter - uden brug af forsøgsdyr**

Sørlie, J. B., Sengupta, S., Jensen, A., Nikiforov, V., Clausen, P., Hougaard, K., Højriis, S., Frederiksen, M. & Hadrup, N., Sept 2022, In: *Miljø og sundhed*. 28, 2, p. 19-23

### **Risk assessment of consumer spray products using in vitro lung surfactant function inhibition, exposure modelling and chemical analysis**

Sørlie, J. B., Sengupta, S., Jensen, A. C. Ø., Nikiforov, V., Clausen, P. A., Hougaard, K. S., Højriis, S., Frederiksen, M. & Hadrup, N., 12 Apr 2022, In: *Food and Chemical Toxicology*. 164, p. 112999

### **Professional cleaning and risk of asthma – a Danish nationwide register-based study**

Sejbaek, C. S., Flachs, E. M., Carøe, T. K., Meye, H. W., Frederiksen, M., Frydendall, K. B., Wolkoff, P., Clausen, P. A., Hougaard, K. S. & Schlünssen, V., 2022, In: *Scandinavian Journal of Work Environment & Health*. 48, 2, p. 127-136

### **The EXIMIOUS project—Mapping exposure-induced immune effects: connecting the exposome and the immunome**

Ronsmans, S., Hougaard, K. S., Nawrot, T. S., Plusquin, M., Huaux, F., Jesús Cruz, M., Moldovan, H., Verpaele, S., Jayapala, M., Tunney, M., Humblet-Baron, S., Dirven, H., Cecilie Nygaard, U., Lindeman, B., Duale, N., Liston, A., Meulengracht Flachs, E., Kastaniegaard, K., Ketzell, M. & Goetz, J. & 4 others, Vanoirbeek, J., Ghosh, M., Hoet, P. H. M. & Consortium, T. E., Feb 2022, In: *Environmental Epidemiology*. 6, 1, p. e193

### **Developmental exposure to the brominated flame retardant DE-71 reduces serum thyroid hormones in rats without hypothalamic-pituitary-thyroid axis activation or neurobehavioral changes in offspring**

Ramhøj, L., Svingen, T., Mandrup, K., Hass, U., Lund, S. P., Vinggaard, A. M., Hougaard, K. S. & Axelstad, M., 2022, In: *PLoS One*. 17, 7, p. e0271614

**Fetal exposure to maternal stress and male reproductive function in a cohort of young adults**

Petersen, K. U., Hærving, K. K., Bonde, J. P., Hougaard, K. S., Toft, G., Ramlau-Hansen, C. H., Høy Jensen, J., Deen, L. & Tøttenborg, S. S., Mar 2022, In: Fertility and Sterility. 117, 6, p. 1255-1265

**Per- and polyfluoroalkyl substances (PFAS) and male reproductive function in young adulthood; A cross-sectional study**

Petersen, K. U., Hærving, K. K., Flachs, E. M., Bonde, J. P., Lindh, C., Hougaard, K. S., Toft, G., Ramlau-Hansen, C. H. & Tøttenborg, S. S., Mar 2022, In: Environmental Research. 212, Part A, p. 113157

**Use of paracetamol (acetaminophen) as a non-prescription analgesic and semen quality in young men - a cross-sectional study**

Østergaard, C. S., Ernst, A., Gaml-Sørensen, A., Brix, N., Toft, G., Hærving, K. K., Hougaard, K. S., Bonde, J. P., Tøttenborg, S. S. & Ramlau-Hansen, C. H., 2022, In: Andrology. 10, 3, p. 495-504

**Consumption of sugar-sweetened or artificially sweetened beverages and semen quality in young men: A cross-sectional study**

Meldgaard, M., Brix, N., Gaml-Sørensen, A., Ernst, A., Ramlau-Hansen, C. H., Tøttenborg, S. S., Hougaard, K. S., Bonde, J. P. E. & Toft, G., 2022, In: International Journal of Environmental Research and Public Health. 19, p. 682

**Kemi på arbejdet: Hvor finder jeg viden om stoffers farlige egenskaber?**

Hougaard, K., May 2022, In: Laboranten. 66, 5, p. 12-13

**Fetal exposure to maternal cigarette smoking and male reproductive function in young adulthood**

Hærving, K. K., Petersen, K. U., Giwercman, A., Hougaard, K. S., Høyer, B. B., Lindh, C., Ramlau-Hansen, C. H., Nybo Andersen, A.-M., Toft, G., Bonde, J. P. & Tøttenborg, S. S., 27 Apr 2022, In: European Journal of Epidemiology. 37, 5, p. 525-538

**Maternal exposure to per- and polyfluoroalkyl substances (PFAS) and male reproductive function in young adulthood: Combined exposure to seven PFAS**

Hærving, K. K., Petersen, K. U., Hougaard, K. S., Lindh, C., Ramlau-Hansen, C. H., Toft, G., Giwercman, A., Høyer, B. B., Flachs, E. M., Bonde, J. P. & Tøttenborg, S. S., Oct 2022, In: Environmental Health Perspectives. 130, 10, p. 107001

**Asthma-inducing potential of 28 substances in spray cleaning products—Assessed by quantitative structure activity relationship (QSAR) testing and literature review**

Hadrup, N., Frederiksen, M., Wedebye, E. B., Nikolov, N. G., Carøe, T. K., Sørli, J. B., Frydendall, K. B., Liguori, B., Sejbaek, C. S., Wolkoff, P., Flachs, E. M., Schlünssen, V., Meyer, H. W., Clausen, P. A. & Hougaard, K. S., 2022, In: Journal of Applied Toxicology. 42, 1, p. 130-153 1 p.

**Parental separation and semen quality in young men: A population-based cohort study**

Gaml-Sørensen, A., Brix, N., Toft, G., Henriksen, T. B., Ernst, A., Arendt, L. H., Tøttenborg, S. S., Hærving, K. K., Hougaard, K., Bonde, J. P. E. & Ramlau-Hansen, C. H., Jan 2022, In: Clinical Epidemiology. 14, p. 127-140

**Cancer risk following residential exposure to airborne polychlorinated biphenyls: A Danish register-based cohort study**

Deen, L., Hougaard, K. S., Clark, A., Meyer, H. W., Frederiksen, M., Gunnarsen, L., Andersen, H. V., Hougaard, T., Petersen, K. K. U., Ebbenhøj, N. E., Bonde, J. P. & Tøttenborg, S. S., Oct 2022, In: Environmental Health Perspectives. 130, 10, p. 107003

**Nitrate in maternal drinking water during pregnancy and measures of male fecundity in adult sons**

Clemmensen, P. J., Brix, N., Schullehner, J., Gaml-Sørensen, A., Toft, G., Tøttenborg, S. S., Ebdrup, N. H., Hougaard, K. S., Hansen, B., Sigsgaard, T., Kolstad, H. A., Bonde, J. P. & Ramlau-Hansen, C. H., 2022, In: International Journal of Environmental Research and Public Health. 19, p. 14428

**Semen quality and reproductive hormones in sons of subfertile couples: A cohort study**

Arendt, L. H., Gaml-Sørensen, A., Ernst, A., Brix, N., Toft, G., Tøttenborg, S. S., Hougaard, K. S., Bonde, J. P. E. & Ramlau-Hansen, C. H., Aug 2022, In: Fertility and Sterility. 118, 4, p. 671-678

2021

**Fetal exposure to maternal perceived stress and male reproductive function in a cohort of young adults**

Petersen, K., Haervig, K., Bonde, J., Hougaard, K., Toft, G., Ramlau-Hansen, C. & Tottenborg, S., Jul 2021, p. 473-474. 2 p.

**Does preconceptional exposure to nanoparticles interfere with fetal neurodevelopment of mouse offspring?**

Hougaard, K., Hansen, S. S. S. K., Masakazu, U., Onoda, A., García-González, D., Roursgaard, M., Kosiaras, P., Sandelin, A. G., Khodosevich, K. & Vogel, U., 21 Apr 2021, p. 114. 114 p.

**Respirable quartz and other crystalline silica polymorphs: Scientific basis for setting a health-based occupational exposure limit**

Saber, A., Jacobsen, N., Hadrup, N., Danielsen, P. H., Poulsen, S., Hougaard, K. & Vogel, U., Dec 2021, Copenhagen: National Research Centre for the Working Environment. 70 p. (NFA-rapport).

**Dose-response relationship of 1,3-butadiene: A systematic review with quality assessment of study results**

Nold, A., Bochmann, F., Tranfo, G., Gherardi, M., Cabella, R., Marinaccio, A., Hougaard, K., Saavedra, R. J., Mahiout, S., Johnsen, H. & Miranowicz-Dzierzawska, K., May 2021, Partnership for European Research in Occupational Safety and Health - PEROSH. 45 p.

**Zinc oxide: Scientific basis for setting a health-based occupational exposure limit**

Hadrup, N., Saber, A., Poulsen, S., Jacobsen, N., Danielsen, P. H., Hougaard, K. & Vogel, U., Dec 2021, Copenhagen: National Research Centre for the Working Environment.

**Kemisk arbejdspladsvurdering (APV)**

Sørensen, C. G. & Hougaard, K., Aug 2021, In: Laboranten. 65, 7, p. 16-21

**Faktorer i arbejdsmiljøet og fravær fra arbejdet hos gravide kvinder**

Sejbæk, C., Begtrup, L. M. & Hougaard, K., Sept 2021, In: Miljø og sundhed. 27, 2, p. 17-21

**Maternal exposure to psychosocial job strain during pregnancy and behavioral problems in the 11-year-old children: a Danish cohort study**

Sejbaek, C. S., Niclasen, J., Bonde, J. P. E., Kristensen, P., Larsen, A. D., Schlünssen, V. & Hougaard, K. S., 2021, In: European Child and Adolescent Psychiatry. 30, p. 1413–1426

**To nye AOP'er beskriver, hvordan indånding af partikler og kemikalier kan påvirke lungefunktionen og hjerte-kar-systemet**

Poulsen, S., Vogel, U., Da Silva, E., Hougaard, K. & Sørli, J. B., Sept 2021, In: Miljø og sundhed. 27, 2, p. 9-16

**Adverse childhood experiences and asthma: Trajectories in a national cohort**

Pape, K., Cowell, W., Sejbaek, C. S., Andersson, N. W., Svanes, C., Kolstad, H. A., Liu, X., Hougaard, K. S., Wright, R. J. & Schlünssen, V., 25 Mar 2021, In: Thorax. 76, p. 547-553

**Maternal life and work stressors during pregnancy and asthma in offspring**

Pape, K., Liu, X., Sejbaek, C. S., Andersson, N. W., Larsen, A. D., Bay, H., Kolstad, H. A., Bonde, J. P. E., Olsen, J., Svanes, C., Hansen, K. S., Rugulies, R., Hougaard, K. S. & Schlünssen, V., Jan 2021, In: International Journal of Epidemiology. 49, 6, p. 1847-1855

**Exposure to psychosocial work strain and changes in smoking behavior during pregnancy - a longitudinal study within the Danish National Birth Cohort**

Mattsson, K., Hougaard, K. S. & Sejbaek, C. S., 2021, In: Scandinavian Journal of Work, Environment and Health. 47, 1, p. 70-77

### **Maternal exposure to airborne polychlorinated biphenyls (PCBs) and risk of adverse birth outcomes**

Kofoed, A. B., Deen, L., Hougaard, K. S., Petersen, K. U., Meyer, H. W., Pedersen, E. B., Ebbehøj, N. E., Heitmann, B. L., Bonde, J. P. & Tøttenborg, S. S., 22 Aug 2021, In: *European Journal of Epidemiology*. 36, 8, p. 861-872

### **Next generation reproductive and developmental toxicology: Crosstalk into the future**

Hougaard, K. S., Mar 2021, In: *Frontiers in Toxicology*. 3, p. 652571 1 p.

### **Lungetoksicitet efter eksponering for amorfe silikapartikler - indikationer for additive effekter af porøsitet og kobberoxid**

Hadrup, N., Aimonen, K., Ilves, M., Lindberg, H. K., Atluri, R., Sahlgren, N. M., Jacobsen, N., Barfod, K., Berthing, T., Lawlor, A., Norppa, H., Wolff, H., Jensen, K., Hougaard, K., Alenius, H., Catalán, J. & Vogel, U., May 2021, In: *Miljø og sundhed*. 27, 1, p. 36-50

### **Potentiale for astma-induktion for 28 stoffer i rengøringsprodukter på sprayform – review og evaluering ved quantitative structure activity relationship (QSAR)**

Hadrup, N., Frederiksen, M., Wedebye, E. B., Nikolov, N. G., Carøe, T. K., Sørli, J. B., Frydendall, K., Liguori, B., Sejnbæk, C., Wolkoff, P., Flachs, E. M., Schlünssen, V., Meyer, H. W., Clausen, P. & Hougaard, K., Dec 2021, In: *Miljø og sundhed*. 27, 3, p. 30-46

### **Pulmonary toxicity of synthetic amorphous silica – effects of porosity and copper oxide doping**

Hadrup, N., Aimonen, K., Ilves, M., Lindberg, H., Atluri, R., Sahlgren, N. M., Jacobsen, N. R., Barfod, K. K., Berthing, T., Lawlor, A., Norppa, H., Wolff, H., Jensen, K. A., Hougaard, K. S., Alenius, H., Catalan, J. & Vogel, U., Feb 2021, In: *Nanotoxicology*. 15, 1, p. 96-113 18 p.

### **Lead (Pb) and neurodevelopment: A review on exposure and biomarkers of effect (BDNF, HDL) and susceptibility**

Gundacker, C., Forsthuber, M., Szigei, T., Kakucs, R., Mustieles, V., Fernandez, M. F., Bengtson, E., Vogel, U., Hougaard, K. S. & Saber, A. T., Oct 2021, In: *International Journal of Hygiene and Environmental Health*. 238, p. 113855

### **Sprayprodukter, kemiske stoffer og astma i rengøringsbranchen**

Frederiksen, M., Hadrup, N., Sejnbæk, C., Sørli, J. B., Schlünssen, V., Flachs, E. M., Meyer, H. W., Frydendall, K., Hougaard, K., Wolkoff, P. & Clausen, P., Dec 2021, In: *Miljø og sundhed*. 27, 3, p. 26-29

### **An adverse outcome pathway for lung surfactant function inhibition leading to decreased lung function**

Da Silva, E., Vogel, U., Hougaard, K. S., Pérez-Gil, J., Zuo, Y. Y. & Sørli, J. B., Aug 2021, In: *Current Research in Toxicology*. 2, p. 225-236 12 p.

### **In vitro prediction of clinical signs of respiratory toxicity in rats following inhalation exposure**

Da Silva, E., Hickey, C., Ellis, G., Hougaard, K. S. & Sørli, J. B., Aug 2021, In: *Current Research in Toxicology*. 2, p. 204-209 6 p.

### **Molecular and biophysical basis for the disruption of lung surfactant function by chemicals**

Da Silva, E., Autilio, C., Hougaard, K. S., Baun, A., Cruz, A., Perez-Gil, J. & Sørli, J. B., 2021, In: *Biochimica et Biophysica Acta - Biomembranes*. 1863, 1, p. 183499

### **Københavns Arbejds- og Miljømedicinske forskningscenter for Reproduktion (AMoRe)**

Birkholm, M. W., Pedersen, M., Sejnbæk, C., Bonde, J. P., Hærving, K. K., Petersen, S. B., Andersen, A.-M. N., Søgaard Tøttenborg, S. & Hougaard, K., May 2021, In: *Miljø og sundhed*. 27, 1, p. 33-35

### **Urinary Bisphenol A, F and S levels and semen quality in young adult Danish men**

Benson, T. E., Gaml-Sørensen, A., Ernst, A., Brix, N., Hougaard, K. S., Hærving, K. K., Ellekilde Bonde, J. P., Tøttenborg, S. S., Lindh, C. H., Ramlau-Hansen, C. H. & Toft, G., Feb 2021, In: *International Journal of Environmental Research and Public Health*. 18, 4, p. 1742

### **Maternal pre-pregnancy overweight and infertility in sons and daughters: A cohort study**

Arendt, L. H., Høyer, B. B., Kreilgaard, A. F., Bech, B. H., Toft, G., Hougaard, K. S., Bonde, J. P., Olsen, J. & Ramlau-Hansen, C. H., 2021, In: *Acta Obstetrica et Gynecologica Scandinavica*. 100, 5, p. 843-849



2020

**Med mor på på job. Udgør samtidig psykisk og muskuloskeletal belastning en risiko for graviditet og barnets udvikling? Afslutningsrapport til Arbejdsmiljøforskningsfonden**

Sejbæk, C., Kristensen, P., Schlünssen, V., Larsen, A., Juhl, M., Andersen, A.-M. N., Ramlau-Hansen, C. H., Begtrup, L. M., Niclasen, J., Bay, H., Pedersen, J., Mattsson, K., Bonde, J. P. & Hougaard, K., Oct 2020, Det Nationale Forskningscenter for Arbejdsmiljø.

**A critical review of studies on the reproductive and developmental toxicity of nanomaterials**

Larsen, P. B., Mørck, T. A., Andersen, D. N. & Hougaard, K., 2020, Helsinki: European Chemicals Agency. 241 p.

**Mechanistic insights in the interaction of chemicals with surfactant membrane models in vitro**

Da Silva, E., Autilio, C., Hougaard, K., Baun, A., Cruz, A., Perez-Gil, J. & Sørli, J. B., 2020, In: Biophysical Journal. 118, 3, p. 86A-86A

**Maternal inflammation has a profound effect on cortical interneuron development in a stage and subtype-specific manner**

Vasistha, N. A., Pardo-Navarro, M., Gasthaus, J., Weijers, D., Müller, M. K., García-González, D., Malwade, S., Korshunova, I., Pfisterer, U., von Engelhardt, J., Hougaard, K. S. & Khodosevich, K., Oct 2020, In: Molecular Psychiatry. 25, 10, p. 2313-2329

**Semen quality among young healthy men taking protein supplements**

Tøttenborg, S. S., Glazer, C. H., Hærvig, K. K., Høyer, B. B., Toft, G., Hougaard, K. S., Flachs, E. M., Deen, L., Bonde, J. P. E. & Ramlau-Hansen, C. H., 2020, In: Fertility and Sterility. 114, 1, p. 89-96

**Birth weight for gestational age and the risk of infertility: A Danish cohort study**

Thorsted, A., Lauridsen, J., Høyer, B., Arendt, L., Bech, B., Toft, G., Hougaard, K., Olsen, J., Bonde, J. P. & Ramlau-Hansen, C., Jan 2020, In: Human Reproduction. 35, 1, p. 195-202

**Har fødselsvægt betydning for infertilitet senere i livet?**

Thorsted, A. B., Lauridsen, J., Høyer, B. B., Arendt, L. H., Bech, B. H., Toft, G., Hougaard, K., Olsen, J., Bonde, J. P. & Ramlau-Hansen, C. H., Jun 2020, In: Miljø og sundhed. 1, p. 52-55

**Inhalation of welding fumes reduced sperm counts and high fat diet reduced testosterone levels; differential effects in Sprague Dawley and Brown Norway rats**

Skovmand, A., Erdely, A., Antonini, J. M., Nurkiewicz, T. R., Shoeb, M., Eye, T., Kodali, V., Loeschner, K., Vidmar, J., Agerholm, J. S., Goericke-Pesch, S., Vogel, U. & Hougaard, K. S., 10 Jan 2020, In: Particle and Fibre Toxicology. 17, 2.

**The influence of multiple occupational exposures on absence from work in pregnancy: A prospective cohort study**

Sejbaek, C. S., Pedersen, J., Schlünssen, V., Begtrup, L. M., Juhl, M., Bonde, J. P., Kristensen, P., Bay, H., Ramlau-Hansen, C. H. & Hougaard, K. S., Jan 2020, In: Scandinavian Journal of Work, Environment and Health. 46, 1, p. 60-68

**Complex IV subunit isoform COX6A2 protects fast-spiking interneurons from oxidative stress and supports their function**

Sanz-Morello, B., Pfisterer, U., Winther Hansen, N., Demharter, S., Thakur, A., Fujii, K., Levitskii, S. A., Montalant, A., Korshunova, I., Mammen, P. P., Kamenski, P., Noguchi, S., Aldana, B. I., Hougaard, K. S., Perrier, J.-F. & Khodosevich, K., 3 Aug 2020, In: EMBO Journal. e105759.

**Use of personal care products and semen quality: A cross-sectional study in young Danish men**

Petersen, K. U., Balkiss, A. M., Hærvig, K. K., Ellekilde Bonde, J. P., Hougaard, K. S., Toft, G., Ramlau-Hansen, C. H. & Tøttenborg, S. S., Aug 2020, In: Toxics. 8, 3, 62.

**Is self-reported history of eczema and hay-fever a valid measure of atopy in those who report current asthma?**

Pape, K., Schlünssen, V., Lodge, C. J., Perret, J. L., Walters, E. H., Bui, D., Erbas, B., Svanes, C., Hamilton, G. S., Thomas, P. S., Hougaard, K. S., Abramson, M. J., Dharmage, S. C. & Lowe, A. J., 8 Jun 2020, In: Allergy: European Journal of Allergy and Clinical Immunology. 75, 11, p. 2981-2984

#### **Parental occupational exposure pre- and post-conception and development of asthma in offspring**

Pape, K., Svanes, C., Sejbæk, C. S., Malinowski, A., Benediksdóttir, B., Forsberg, B., Janson, C., Benke, G., Tjalvin, G., Sánchez-Ramos, J. L., Zock, J.-P., Toren, K., Bråbäck, L., Holm, M., Jögi, R., Bertelsen, R. J., Gíslason, T., Sigsgaard, T., Liu, X. & Hougaard, K. S. & 4 others, Johannessen, A., Lodge, C., Dharmage, S. C. & Schlünssen, V., 14 Jul 2020, In: *International Journal of Epidemiology*. 49, 6, p. 1856-1869

#### **Toward rigorous materials production: New approach methodologies have extensive potential to improve current safety assessment practices**

Nymark, P., Bakker, M., Dekkers, S., Franken, R., Fransman, W., García-Bilbao, A., Greco, D., Gulumian, M., Hadrup, N., Halappanavar, S., Hongisto, V., Hougaard, K. S., Jensen, K. A., Kohonen, P., Koivisto, A. J., Dal Maso, M., Oosterwijk, T., Poikkimäki, M., Rodriguez-Llopis, I. & Stierum, R. & 2 others, Sørli, J. B. & Grafström, R., 8 Jan 2020, In: *Small*. 1904749.

#### **Nanopartikler i arbejdsmiljøet - en risiko for reproduktion og fosterudvikling?**

Hougaard, K., Skovmand, A., Hansen, S. S. K., Larsen, P. B., Goericke-Pesch, S. & Vogel, U., Dec 2020, In: *Miljø og sundhed*. 26, 2, p. 10-24

#### **Pre-conceptional exposure to multiwalled carbon nanotubes suppresses antibody production in mouse offspring**

Hansen, J. S., Rosengren, T. S., Johansson, H. K. L., Barfod, K. K., Larsen, S. T., Sørli, J. B., Da Silva, É., Vogel, U. & Hougaard, K. S., 2020, In: *Nanotoxicology*. 14, 5, p. 711-724 14 p.

#### **Fetal exposure to paternal smoking and semen quality in the adult son**

Haervig, K. K., Høyer, B. B., Giwercman, A., Hougaard, K. S., Ramlau-Hansen, C. H., Specht, I. O., Toft, G., Bonde, J. P. & Tøttenborg, S. S., 9 Mar 2020, In: *Andrology*. 8, 5, p. 1117-1125

#### **Fetal Programming of Semen Quality (FEPOS) Cohort - A DNBC Male-Offspring Cohort**

Haervig, K. K., Bonde, J. P., Ramlau-Hansen, C. H., Toft, G., Hougaard, K. S., Specht, I. O., Giwercman, A., Nybo Andersen, A.-M., Olsen, J., Lindh, C., Bjerre Høyer, B. & Tøttenborg, S. S., 2020, In: *Clinical Epidemiology*. 12, p. 757-770 14 p.

#### **Recent insights on indirect mechanisms in developmental toxicity of nanomaterials**

Dugershaw, B. B., Aengenheister, L., Hansen, S. S. K., Hougaard, K. S. & Buerki-Thurnherr, T., 2020, In: *Particle and Fibre Toxicology*. 17, 31.

#### **Chemicals inhaled from spray cleaning and disinfection products and their respiratory effects. A comprehensive review**

Clausen, P. A., Frederiksen, M., Sejbæk, C. S., Sørli, J. B., Hougaard, K. S., Frydendall, K. B., Carøe, T. K., Flachs, E. M., Meyer, H. W., Schlünssen, V. & Wolkoff, P., 2020, In: *International Journal of Hygiene and Environmental Health*. 229, 113592.

#### **Analysis of electron transparent beam-sensitive samples using scanning electron microscopy coupled with energy-dispersive X-ray spectroscopy**

Brostrøm, A., Kling, K. I., Hougaard, K. S. & Mølhav, K., 1 Jun 2020, In: *Microscopy and Microanalysis*. 26, 3, p. 373-386 14 p.

#### **Complex aerosol characterization by scanning electron microscopy coupled with energy dispersive X-ray spectroscopy**

Brostrøm, A., Kling, K. I., Hougaard, K. S. & Mølhav, K., 4 Jun 2020, In: *Scientific Reports*. 10, 1, 9150.

#### **Increased surface area of halloysite nanotubes due to surface modification predicts lung inflammation and acute phase response after pulmonary exposure in mice**

Barfod, K. K., Bendtsen, K. M., Berthing, T., Koivisto, A. J., Poulsen, S. S., Segal, E., Verleysen, E., Mast, J., Holländer, A., Jensen, K. A., Hougaard, K. S. & Vogel, U., Jan 2020, In: *Environmental Toxicology and Pharmacology*. 73, 103266.

**Adverse Childhood Experiences (ACE) in early life and the risk of childhood asthma: a Danish nationwide cohort study**  
Pape, K., Sejbæk, C., Andersson, N. W., Hougaard, K., Svanes, C., Liu, X., Cowell, W., Wright, R. J. & Schlünssen, V., 2019.

**Effects of maternal lung exposure to nanomaterials on the nervous and male reproductive systems: Invited presentation**  
Hougaard, K., 2019.

**The mouse placenta and fetal liver respond acutely to maternal airway exposure to TiO<sub>2</sub> nanoparticles**  
Hansen, S. S. K., Bornholdt, J., Vitezic, M., Boyd, M., Vogel, U., Hougaard, K. & Sandelin, A., 2019.

**Halloysite nanotube toxicity is predicted by surface area**  
Barfod, K., Bendtsen, K. M., Berthing, T., Koivisto, J., Poulsen, S., Segal, E., Holländer, A., Jensen, K., Hougaard, K. & Vogel, U., 2019.

**Ambient ultrafine particles: Evidence for policy makers. White paper**  
Morawska, L., Wierzbicka, A., Buonanno, G., Cyrus, J., Schnelle-Kreis, J., Kowalski, M., Riediker, M., Birmili, W., Querol, X., Cassee, F. R., Yildirim, A. Ö., Elder, A., Yu, I. J., Øvrevik, J., Hougaard, K., Loft, S., Schmid, O., Schwarze, P. E., Stoeger, T. & Peters, A. & 15 others, Schneider, A., Okokon, E., Samoli, E., Stafoggia, M., Pigford, R., Zhang, S., Breitner, S., Schikowski, T., Lanki, T., Aurelio, T., Hoffmann, B., Altug, H., Wolf, K., Kappeler, R. & Lucht, S., 2019, Munich.

**Prenatal exposure to paternal smoking and semen quality in the adult offspring**  
Tottenborg, S., Haervig, K. K., Hoyer, B. B., Giwercman, A., Hougaard, K. S., Ramlau-Hansen, C., Specht, I. O., Toft, G. & Bonde, J. P. E., 1 Jul 2019, In: Human Reproduction. 34, Suppl 1, p. 77-77

**Pathomorphological pattern of the mouse lungs and liver after repeated intratracheal instillation with different carbonaceous nanomaterials**  
Szarek, J., Mortensen, A., Skovmand, A., Goericke-Pesch, S., Hougaard, K. & Vogel, U., 2019, In: Journal of Comparative Pathology. 166, p. 147-147

**Parental occupational exposures before conception development of asthma in their children**  
Pape, K., Svanes, C., Sejbæk, C. S., Malinovsky, A., Benediktsdóttir, B., Forsberg, B., Janson, C., Benke, G., Martinez-Moratalla, J., Sanchez-Ramos, J. L., Zock, J. P., Toren, K., Braback, L., Holm, M., Jogi, R., Bertelsen, R. J., Gislason, T., Sigsgaard, T., Liu, X. & Hougaard, K. S. & 4 others, Johannessen, A., Lodge, C., Dharmage, S. & Schlunssen, V., Sept 2019, In: European Respiratory Journal. 54, 63

**Effects of nanoparticles on male and female fertility**  
Hougaard, K., Skovmand, A., Goericke-Pesch, S. & Vogel, U., 2019, In: Toxicology Letters. 314, S1, p. S32

**Surface modification of halloysite nanotubes increases surface area and airway toxicity in mice**  
Hougaard, K., Barfod, K., Bendtsen, K. M. B., Berthing, T., Koivisto, J., Poulsen, S., Segal, E., Holländer, A., Jensen, K. & Vogel, U., 2019, In: Toxicology Letters. 314, S1, p. S200

**Night work during pregnancy and preterm birth-A large register-based cohort study**  
Specht, I. O., Hammer, P. E. C., Flachs, E. M., Begtrup, L. M., Larsen, A. D., Hougaard, K. S., Hansen, J., Hansen, Å. M., Kolstad, H. A., Rugulies, R., Garde, A. H. & Bonde, J. P., 18 Apr 2019, In: PLoS One. 14, 4, e0215748.

**Forebyggelse af forgiftning ved inhalation**  
Sørli, J. B., Da Silva, E., Ebbenhøj, N., Vogel, U. & Hougaard, K., 2019, In: Miljø og sundhed. 25, 2, p. 9-12

**Effects of maternal inhalation of carbon black nanoparticles on reproductive and fertility parameters in a four-generation study of male mice**  
Skovmand, A., Jensen, A. C. Ø., Maurice, C., Marchetti, F., Lauvås, A. J., Koponen, I. K., Jensen, K. A., Goericke-Pesch, S., Vogel, U. & Hougaard, K. S., 18 Mar 2019, In: Particle and Fibre Toxicology. 16, 13.

### **Sperm quality and airway exposure to carbon-based particles and nanomaterials**

Skovmand, A., Jensen, A., Maurice, C., Marchetti, F., Lauvås, A., Koponen, I., Jensen, K., Christensen, P., Goericke-Pesch, S., Vogel, U. & Hougaard, K., 2019, In: *Miljø og sundhed*. 25, 1, p. 11-16

### **Gravide kvinders arbejdsmiljø kan påvirke barnets vækst samt kvinders fravær under graviditeten**

Sejbæk, C., Schlünssen, V., Bay, H., Juhl, M., Pedersen, J., Larsen, A., Begtrup, L. M., Nybo Andersen, A.-M., Ramlau-Hansen, C. H., Kristensen, P., Bonde, J. P. & Hougaard, K., 2019, In: *Miljø og sundhed*. 25, 3, p. 33-35

### **Risk of childhood asthma following prenatal exposure to negative life events and job stressors: A nationwide register-based study in Denmark**

Liu, X., Madsen, K. P., Sejbæk, C. S., Kolstad, H. A., Bonde, J. P. E., Olsen, J., Hougaard, K. S., Hansen, K. S., Andersson, N. W., Rugulies, R. & Schlünssen, V., 2019, In: *Scandinavian Journal of Work, Environment and Health*. 45, 2, p. 174-182

### **Airway exposure to TiO<sub>2</sub> nanoparticles and quartz and effects on sperm counts and testosterone levels in male mice**

Lauvås, A. J., Skovmand, A., Poulsen, M. S., Kyjovska, Z. O., Roursgaard, M., Goericke-Pesch, S., Vogel, U. & Hougaard, K. S., 23 Aug 2019, In: *Reproductive Toxicology*. 90, p. 134-140

### **Physicochemical predictors of multi-walled carbon nanotube-induced pulmonary histopathology and toxicity one year after pulmonary deposition of 11 different multi-walled carbon nanotubes in mice**

Knudsen, K. B., Berthing, T., Jackson, P., Poulsen, S. S., Mortensen, A., Jacobsen, N. R., Skaug, V., Szarek, J., Hougaard, K. S., Wolff, H., Wallin, H. & Vogel, U., Feb 2019, In: *Basic and Clinical Pharmacology and Toxicology*. 124, 2, p. 211-227

### **Night work and postpartum depression: a national register-based cohort study**

Hammer, P. E. C., Hageman, I., Garde, A. H., Begtrup, L., Flachs, E., Hansen, J., Hansen, Å. M., Hougaard, K. S., Kolstad, H., Larsen, A. D., Pinborg, A., Specht, I. & Bonde, J. P., 2019, In: *Scandinavian Journal of Work, Environment & Health*. 46, 6, p. 577-587

### **Night work and sick leave during pregnancy: A national register-based within-worker cohort study**

Hammer, P. E. C., Garde, A. H., Begtrup, L. M., Flachs, E. M., Hansen, J., Hansen, Å. M., Hougaard, K. S., Kolstad, H. A., Larsen, A. D., Pinborg, A. B., Specht, I. O. & Bonde, J. P., Mar 2019, In: *Occupational and Environmental Medicine*. 76, 3, p. 163-168

### **Timescales of developmental toxicity impacting on research and needs for intervention**

Grandjean, P., Abdennebi-Najar, L., Barouki, R., Cranor, C. F., Etzel, R. A., Gee, D., Heindel, J. J., Hougaard, K. S., Hunt, P., Nawrot, T. S., Prins, G. S., Ritz, B., Soffritti, M., Sunyer, J. & Weihe, P., Aug 2019, In: *Basic and Clinical Pharmacology and Toxicology*. 125, 53, p. 70-80

### **Improving the foundation for particulate matter risk assessment by individual nanoparticle statistics from electron microscopy analysis**

Brostrøm, A., Kling, K. I., Koponen, I. K., Hougaard, K. S., Kandler, K. & Mølhav, K., 2019, In: *Scientific Reports*. 9, 1, 8093.

### **Paternal environmental exposure and offspring health**

Bonde, J. P. E., Tøttenborg, S. S. & Hougaard, K. S., 2019, In: *Current Opinion in Endocrine and Metabolic Research*. 7, p. 14-20 7 p.

### **Fra forskning i nanomaterialer til forebyggelse på arbejdspladser**

Berthing, T., Saber, A., Mortensen, A., Danielsen, P. H., Bendtsen, K. M. B., Poulsen, S., Hougaard, K., Hadrup, N., Jacobsen, N. & Vogel, U., 2019, In: *Miljø og sundhed*. 25, 2, p. 37-42

### **Kulstofnanorørs fysisk-kemiske egenskaber forudsiger langvarig inflammation på mus**

Berthing, T., Poulsen, S., Knudsen, K. B., Jackson, P., Mortensen, A., Jacobsen, N., Skaug, V., Szarek, J., Hougaard, K., Wolff, H., Wallin, H. & Vogel, U., 2019, In: *Miljø og sundhed*. 25, 1, p. 3-10

2018

**Gestational inhalation of carbon black nanoparticles affects several measures of brain development in mouse offspring**  
Umezawa, M., Onoda, A., Jensen, A., Koponen, I., Korshunova, I., Jensen, K., Khodosevich, K., Vogel, U. & Hougaard, K., Sept 2018, p. 125-125.

**Effects of diet and inhalation of nanoparticles generated by gas metal arc stainless steel welding on male reproductive parameters in Sprague-Dawley rats**  
Skovmand, A., Erdely, A., Antonini, J. M., Nurkiewicz, T., Goericke-Pesch, S., Vogel, U. & Hougaard, K., 2018, p. 264-264

**Inhalation exposure to carbon black in pregnancy: Effects on male reproductive parameters in four generations of mice**  
Skovmand, A., Lauvas, A. J., Koponen, I., Jensen, K., Goericke-Pesch, S., Vogel, U. & Hougaard, K., 2018, p. 124-124.

**Risk of sickness absence during pregnancy due to multiple work factors**  
Sejbæk, C., Pedersen, J., Bay, H., Ramlau-Hansen, C. H., Schlünssen, V., Bonde, J. P., Kristensen, P. & Hougaard, K., 29 Nov 2018, p. 98-98.

**Maternal stress at work and in private life during pregnancy and offspring asthma**  
Madsen, K. P., Sejbæk, C., Bay, H., Kolstad, H. A., Olsen, J., Hougaard, K., Hansen, K. S., Pedersen, L. R. M., Andersson, N. W., Rugulies, R. & Liu, X., Sept 2018.

**Physicochemical predictors of multi-walled carbon nanotube-induced pulmonary histopathology and toxicity one year after pulmonary deposition of 11 different multi-walled carbon nanotubes in mice**  
Knudsen, K. B., Berthing, T., Jackson, P., Poulsen, S., Mortensen, A., Jacobsen, N., Skaug, V., Szarek, J., Hougaard, K., Wolff, H., Wallin, H. & Vogel, U., 2018, p. 149-149.

**Multiorgan effects of airway exposure to nanoparticles in pregnancy**  
Hougaard, K., Onoda, A., Skovmand, A., Halappanavar, S., Goericke-Pesch, S., Khodosevich, K., Sandelin, A., Umezawa, M. & Vogel, U., 2018.

**Night work and sick leave during pregnancy: A national register-based cohort study**  
Hammer, P. E. C., Flachs, E. M., Specht, I. O., Pinborg, A., Petersen, S., Larsen, A., Hougaard, K., J, H., Hansen, Å., Kolstad, H. A., Garde, A. & Bonde, J., 23 Mar 2018.

**Visualizing nanoparticles in histological tissue samples using enhanced darkfield hyperspectral microscopy**  
Berthing, T., Knudsen, K. B., Modrzynska, J., Jackson, P., Poulsen, S., Jacobsen, N., Skaug, V., Mortensen, A., Hougaard, K., Wolff, H., Wallin, H., Saber, A., Löscher, K., Ravn-Haren, G. & Vogel, U., 2018.

**Seniorers arbejdsmiljø og helbred. Analyse til seniortænkertanken for et længere og godt arbejdsliv**  
Sundstrup, E., Meng, A., Poulsen, O., Dyreborg, J., Hougaard, K., Flyvholm, M.-A. & Andersen, L., 2018, København: Det Nationale Forskningscenter for Arbejdsmiljø.

**Titanium dioxide nanomaterials: Scientific basis for setting a health-based occupational exposure limit**  
Saber, A., Poulsen, S., Hadrup, N., Hougaard, K., Jacobsen, N. & Vogel, U., 2018, København: Det Nationale Forskningscenter for Arbejdsmiljø.

**Carbon nanotubes: Scientific basis for setting a health-based occupational exposure limit**  
Poulsen, S., Jacobsen, N., Hadrup, N., Hougaard, K., Saber, A. & Vogel, U., 2018, København: Det Nationale Forskningscenter for Arbejdsmiljø.

**Carbon black nanomaterials: Scientific basis for setting a health-based occupational exposure limit**  
Jacobsen, N., Hadrup, N., Poulsen, S., Hougaard, K., Saber, A. & Vogel, U., 2018, København: Det Nationale Forskningscenter for Arbejdsmiljø.

### **Unge arbejdsmiljø og helbred**

Dyreborg, J., Sundstrup, E., Jørgensen, A., Kristiansen, J., Hougaard, K. & Johnsen, N. F., 2018, København: Det Nationale Forskningscenter for Arbejdsmiljø. (NFA-rapport).

### **Prenatal exposure to negative life events and job stress and asthma risk**

Liu, X., Pape, K., Sejbæk, C. S., Kolstad, H., Olsen, J., Hougaard, K., Hansen, K., Andersson, N., Rugulies, R. & Schlünssen, V., 2018, In: European Respiratory Journal. 52, Suppl 62, p. OA335

### **Maternal inhalation of carbon black nanoparticles induces neurodevelopmental changes in mouse offspring**

Umezawa, M., Onoda, A., Korshunova, I., Jensen, A. C. Ø., Koponen, I. K., Jensen, K. A., Khodosevich, K., Vogel, U. & Hougaard, K. S., 10 Sept 2018, In: Particle and Fibre Toxicology. 15, 36 p.

### **Bile salt enhancers for inhalation: Correlation between in vitro and in vivo lung effects**

Sørli, J. B., Sivars, K. B., Da Silva, E., Hougaard, K. S., Koponen, I. K., Zuo, Y. Y., Weydahl, I. E. K., Åberg, P. M. & Fransson, R., 17 Aug 2018, In: International Journal of Pharmaceutics. 550, 1-2, p. 114-122 9 p.

### **Kunstig alveole kan forudsige giftighed af imprægneringsprodukter**

Sørli, J. B., Da Silva, E. M. G., Huang, Y., Hansen, J., Frederiksen, M., Nørgaard, A., Ebbenhøj, N. E., Larsen, S. & Hougaard, K., Apr 2018, In: Miljø og sundhed. 21, 1, p. 18-21

### **Prediction of acute inhalation toxicity using in vitro lung surfactant inhibition**

Sørli, J. B., Huang, Y., Da Silva, E., Hansen, J. S., Zuo, Y. Y., Frederiksen, M., Nørgaard, A. W., Ebbenhøj, N. E., Larsen, S. T. & Hougaard, K. S., 2018, In: ALTEX. 35, 1, p. 26-36

### **Pulmonary exposure to carbonaceous nanomaterials and sperm quality**

Skovmand, A., Lauvås, A. J., Christensen, P., Vogel, U., Hougaard, K. S. & Goericke-Pesch, S., 31 Jan 2018, In: Particle and Fibre Toxicology. 15, 1, p. 10

### **Combined exposure to lifting and psychosocial strain at work and adverse pregnancy outcomes-A study in the Danish National Birth Cohort**

Sejbaek, C. S., Bay, H., Larsen, A. D., Kristensen, P., Schlünssen, V., Andersen, A.-M. N., Bonde, J. P., Juhl, M. & Hougaard, K. S., Sept 2018, In: PLoS One. 13, 9, e0201842.

### **Occupational exposure during handling and loading of halloysite nanotubes – A case study of counting nanofibers**

Koivisto, A. J., Bluhme, A. B., Kling, K. I., Fonseca, A. S., Redant, E., Andrade, F., Hougaard, K. S., Krepker, M., Prinz, O. S., Segal, E., Holländer, A., Jensen, K. A., Vogel, U. & Koponen, I. K., 2018, In: Nanolmpact. 10, p. 153-160 8 p.

### **Impact of di-2-ethylhexyl phthalate metabolites on male reproductive function: A systematic review of human evidence**

Høyer, B. B., Lenters, V., Giwercman, A., Jönsson, B. A. G., Toft, G., Hougaard, K. S., Bonde, J. P. E. & Specht, I. O., Sept 2018, In: Current environmental health reports. 5, 1, p. 20-33

### **Scanning af ny nanoemballage**

Hougaard, K. & Vogel, U., 2018, In: EU Indblik. 2, p. 4-5

### **Night work and hypertensive disorders of pregnancy: A national register-based cohort study**

Hammer, P., Flachs, E., Specht, I., Pinborg, A., Petersen, S., Larsen, A. D., Hougaard, K. S., Hansen, J., Hansen, Å. M., Kolstad, H., Garde, A. H. & Bonde, J. P., Jun 2018, In: Scandinavian Journal of Work, Environment and Health. 44, 4, p. 403-413

2017

### **Prediction of acute lung toxicity of impregnation products using in vitro method based on lung surfactant inhibition**

Sørli, J. B., Huang, Y., Da Silva, E. M. G., Hansen, J., Larsen, S. & Hougaard, K., 2017. 1 p.

**Effects of maternal exposure in pregnancy on male reproductive parameters in future generations**

Skovmand, A., Lauvås, A., Vogel, U., Goericke-Pesch, S. & Hougaard, K., 2017. 1 p.

**Effects of pulmonary exposure to nano particles on male reproductive function**

Skovmand, A., Lauvås, A., Christensen, P., Vogel, U., Hougaard, K. & Goericke-Pesch, S., 2017. 1 p.

**Combined exposure to lifting and psychosocial strain at work and adverse pregnancy outcomes - The Danish National Birth Cohort**

Sejbæk, C., Bay, H., Larsen, A., Kristensen, P., Schlünssen, V., Bonde, J. P. E., Juhl, M. & Hougaard, K., 2017.

**Interaction of lifting and psychosocial strain at work and risk of adverse pregnancy outcomes - A study in the Danish National Birth Cohort**

Sejbæk, C., Bay, H., Andersen, A. M. N., Kristensen, P., Schlünssen, V., Bonde, J. P., Juhl, M. & Hougaard, K., 2017.

**Induction of behavioral changes and astrogliosis in the brain of offspring mice following maternal inhalation of carbon Black nanoparticle**

Onoda, A., Masakazu, U., Takeda, K., Jensen, A., Koponen, I., Jensen, K., Vogel, U. & Hougaard, K., 2017. 1 p.

**Morphological changes in mouse liver one year after intratracheal instillation to carbon nanotubes**

Mortensen, A., Szarek, J., Knudsen, K. B., Berthing, T., Jackson, P., Poulsen, S., Jacobsen, N., Skaug, V., Hougaard, K., Wolff, H. & Wallin, H., 2017. 1 p.

**Physiochemical predictors of MWCNT-induced pulmonary histopathology and toxicity 1 year after pulmonary deposition of 11 different MWCNT in C57Bl/6N mice**

Knudsen, K. B., Berthing, T., Jackson, P., Poulsen, S., Mortensen, A., Jacobsen, N., Skaug, V., Szarek, J., Hougaard, K., Wolff, H., Wallin, H. & Vogel, U., 2017. 1 p.

**Developmental toxicity of nanomaterials**

Hougaard, K., Vitezic, M., Boyd, M., Skovmand, A., Jackson, P., Jensen, A., Halappanavar, S., Jensen, K., Koponen, I., Wallin, H., Sandelin, A. G. & Vogel, U., 2017. 1 p.

**Luffforurening i graviditeten - har det konsekvenser for fostrets nervesystem?**

Hougaard, K., 1 May 2017. 2 p.

**Hypertensive disorders of pregnancy among Night workers in Danish hospitals: a national register-based follow-up study**

Hammer, P. E. C., Flachs, E. M., Specht, I. O., Pinborg, A. B., Bondo Petersen, S., Larsen, A., Hougaard, K., J, H., Hansen, Å., Kolstad, H. A., Garde, A. & Bonde, J. P., 24 Oct 2017.

**Influence of vehicle on nanomaterial-induced inflammation and DNA strand breaks**

Hadrup, N., Bengton, S., Jacobsen, N., Jackson, P., Saber, A., Hougaard, K., Jensen, K., Wallin, H. & Vogel, U., 2017. 1 p.

**Physicochemical related differences in pulmonary distribution and lymphatic translocation of MWCNT**

Berthing, T., Knudsen, K. B., Jackson, P., Poulsen, S., Jacobsen, N., Skaug, V., Mortensen, A., Szarek, J., Hougaard, K., Wolff, H., Wallin, H. & Vogel, U., 2017.

**Visualizing nanoparticles in histological tissue samples using enhanced darkfield hyperspectral microscopy**

Berthing, T., Knudsen, K. B., Swietek, J., Jackson, P., Poulsen, S., Jacobsen, N., Skaug, V., Mortensen, A., Hougaard, K., Wolff, H., Wallin, H., Saber, A., Löschner, K., Ravn-Haren, G. & Vogel, U., 2017. 1 p.

**Visualizing nanoparticles in histological tissue samples using enhanced darkfield hyperspectral microscopy**

Berthing, T., Knudsen, K. B., Swietek, J., Jackson, P., Poulsen, S., Jacobsen, N., Skaug, V., Mortensen, A., Hougaard, K., Wolff, H., Wallin, H., Saber, A., Löscher, K., Ravn-Haren, G. & Vogel, U., 2017.

### **Developmental toxicity of engineered nanomaterials**

Hougaard, K., Campagnolo, L., Fadeel, B., Gulumian, M., Kagan, V. E., Møller, P., Jacobsen, N. & Savolainen, K. M., 2017, *Reproductive and Developmental Toxicology*. Gupta, R. C. (ed.). 2 ed. London: Academic Press Inc Ltd, p. 333-357

### **Reproduction and development**

Campagnolo, L. & Hougaard, K., 2017, *Adverse effects of engineered nanomaterials: Exposure, toxicology, and impact on human health*. Fadeel, B., Pietroiusti, A. & Shvedova, A. A. (eds.). Academic Press, p. 397-421

### **Airway exposure to multi-walled carbon nanotubes disrupts the female reproductive cycle without affecting pregnancy outcomes in mice**

Johansson, H. K. L., Hansen, J. S., Elfving, B., Lund, S. P., Kyjovska, Z. O., Loft, S., Barfod, K. K., Jackson, P., Vogel, U. & Hougaard, K. S., 2017, In: *Particle and Fibre Toxicology*. 14, 1, p. 17

### **Chronic maternal inflammation or high-fat-feeding programs offspring obesity in a sex-dependent manner**

Dudele, A., Hougaard, K. S., Kjølbj, M., Hokland, M., Winther, G., Elfving, B., Wegener, G., Nielsen, A. L., Larsen, A., Nøhr, M. K., Pedersen, S. B., Wang, T. & Lund, S., Sept 2017, In: *International Journal of Obesity*. 41, 9, p. 1420-1426 7 p.

### **Identification of gene transcription start sites and enhancers responding to pulmonary carbon nanotube exposure in vivo**

Bornholdt, J., Saber, A. T., Lilje, B., Boyd, M., Jørgensen, M., Chen, Y., Vitezic, M., Jacobsen, N. R., Poulsen, S. S., Berthing, T., Bressendorff, S., Vitting-Seerup, K., Andersson, R., Hougaard, K. S., Yauk, C. L., Halappanavar, S., Wallin, E. H. R., Vogel, U. & Sandelin, A., 2017, In: *ACS Nano*. 11, 4, p. 3597-3613

2016

### **Developmental toxicity following prenatal exposure to engineered and process-generated nanoparticles**

Vogel, U., Hansen, J., Jackson, P., Kyjovska, Z., Boisen, A. M., Yauk, C., Halappanavar, S., Jensen, K., Wallin, H. & Hougaard, K., 2016.

### **Prenatal exposure to nanomaterials and effects on germline and somatic DNA in the offspring**

Vogel, U. B., Hougaard, K. S., Wallin, E. H. R. & Yauk, C., 2016. 1 p.

### **Estrous cyclicity is altered following lung exposure to multiwalled carbon nanotubes in mice**

Johansson, H. K. L., Lund, S. P., Kyjovska, Z. O., Jackson, P., Wallin, E. H. R., Vogel, U. B. & Hougaard, K. S., 2016. 1 p.

### **Risk of cryptorchidism and hypospadias in boys of mothers working in the Danish plastics industry: A nationwide cohort study**

Jensen, M. J. F., Flachs, E. M., Specht, I. O., Bonde, J. P., Lindhard, M. S. & Hougaard, K., 2016, p. 110-111.

### **An overview of developmental toxicity testing for nanomaterials**

Hougaard, K. S., Hansen, J. S., Jackson, P., Kyjovska, Z. O., Boisen, A. M. Z., Yauk, C., Halappanavar, S., Jensen, K. A., Wallin, E. H. R. & Vogel, U. B., 2016. 1 p.

### **Developmental toxicity of engineered nanomaterials**

Hougaard, K., Hansen, J., Jackson, P., Kyjovska, Z., Boisen, A., Yauk, C. L., Halappanavar, S., Jensen, K., Wallin, H., Pesch, S. G., Skovmand, A. & Vogel, U., 2016.

### **Developmental toxicity of engineered nanomaterials**

Hougaard, K. S., Hansen, J. S., Jackson, P., Kyjovska, Z. O., Boisen, A. M. Z., Yauk, C., Halappanavar, S., Jensen, K. A., Wallin, E. H. R., Pesch, S. G., Skovmand, A. & Vogel, U. B., 2016.

### **Inhalation of nanoparticles in pregnancy - Effects and lessons learnt from mouse models**

Hougaard, K., Hansen, J., Jackson, P., Kyjovska, Z., Boisen, A. M. Z., Larsen, S., Yauk, C., Halappanavar, S., Jensen, K., Wallin, H. & Vogel, U., 2016.



**Maternal airway exposure to nanoparticles in pregnancy: Effects and lessons learned from rodent models**  
Hougaard, K., 2016.

**Should pregnant women work at night? A register-based follow-up study of pregnant women's health and sick leave. Working Hours in the Nordic Countries**

Hammer, P., Flachs, E., Specht, I. O., Pinborg, A., Petersen, S. B., Larsen, A., Hougaard, K., Hansen, J., Hansen, Å., Kolstad, H. A., Garde, A. & Bonde, J. P., 2016, p. 36.

**Should pregnant women work at night? A register-based follow-up study of pregnant women's health and sick leave. Working Hours in the Nordic Countries**

Hammer, P., Flachs, E., Specht, I. O., Pinborg, A., Petersen, S. B., Larsen, A., Hougaard, K., Hansen, J., Hansen, Å., Kolstad, H. A., Garde, A. & Bonde, J. P., 2016, p. 17.

**The need for systematic reviews addressing the epidemiologic evidence linking endocrine disrupting xenobiotics with male reproductive disorders**

Bonde, J. P., Andersen, S., Glazer, C. H., Hansen, C. R., Hougaard, K., Høyer, B., Hærvig, K. K., Pedersen, S. E. B., Rylander, L., Specht, I. O., Toft, G. & Braüner, E. V., 2016, p. 238.

**State of the art report on reproductive toxicants. Literature review**

Kuhl, K., Dchmitz-Felten, E., Hougaard, K. & Miranowicz-Dzierzawska, K., 2016, Luxembourg: European Agency for safety and Health at Work.

**How do women with lupus manage fatigue? A focus group study**

Kier, A. O., Midtgaard, J., Hougaard, K. S., Berggreen, A., Bukh, G., Hansen, R. B. & Dreyer, L., 2016, In: Clinical Rheumatology. 35, 8, p. 1957-1965 9 p.

**Kemi på arbejdet: Find toksikologien på internettet**

Hougaard, K., 2016, In: Miljø og sundhed. 22, 2, p. 25-30

**Kemi på arbejdet: Find toksikologien på internettet**

Hougaard, K., 2016, In: Dansk Kemi. 97, 1/2, p. 11-13

**Reproductive and developmental toxicity of carbon-based nanomaterials: A literature review**

Ema, M., Hougaard, K. S., Kishimoto, A. & Honda, K., 2016, In: Nanotoxicology. 10, 4, p. 391-412 22 p.

**Effects of developmental exposure to silver in ionic and nanoparticle form: A study in rats**

Charehsaz, M., Hougaard, K. S., Sipahi, H., Ekici, A. I., Kaspar, C., Culha, M., Bucurgat, U. U. & Aydin, A., 2016, In: DARU Journal of Pharmaceutical Sciences. 24, p. 24-

**Health Effects of PCBs in Residences and Schools (HESPERUS): PCB - health Cohort Profile**

Braüner, E. V., Andersen, Z. J., Frederiksen, M., Specht, I. O., Hougaard, K. S., Ebbenhøj, N., Bailey, J., Giwercman, A., Steenland, K., Longnecker, M. P. & Bonde, J. P., 2016, In: Scientific Reports. 6, p. 24571

**The epidemiologic evidence linking prenatal and postnatal exposure to endocrine disrupting chemicals with male reproductive disorders: a systematic review and meta-analysis**

Bonde, J. P., Flachs, E. M., Rimborg, S., Glazer, C. H., Giwercman, A., Ramlau-Hansen, C. H., Hougaard, K. S., Høyer, B. B., Hærvig, K. K., Petersen, S. B., Rylander, L., Specht, I. O., Toft, G. & Braüner, E. V., 2016, In: Human Reproduction Update. 23, 1, p. 104-125

**Status over forskning i nanosikkerhed - Hvad ved vi efter 25 år med nanoteknologi i Danmark?**

Berthing, T., Hougaard, K. S., Poulsen, S. S., Kling, K., Larsen, S. T., Nørgaard, A. W., Knudsen, K. B., Koponen, I. K., Clausen, P. A., Jensen, K. A., Wallin, E. H. R. & Vogel, U. B., 2016, In: Dansk Kemi. 97, 3, p. 8-9 2 p.

**Prenatal maternal stress and atopic diseases in the child: a systematic review of observational human studies**

Andersson, N. W., Hansen, M. V., Larsen, A. D., Hougaard, K. S., Kolstad, H. A. & Schlünssen, V., 2016, In: *Allergy*. 71, 1, p. 15-26 12 p.

2015

**Arbejdsmiljø og kvindelig reproduktion**

Hougaard, K. S., 2015.

**Why study inflammation in pregnancy?**

Hougaard, K. S. & Hallmark, N., 2015. 7 p.

**Prenatal maternal stress and development of atopic diseases in the child: A systematic review of observational human studies**

Hansen, M., Andersson, N., Larsen, A., Hougaard, K. S., Kolstad, H. & Schlünssen, V., 2015. 1 p.

**Prenatal maternal stress and development of atopic diseases in the child: A systematic review of observational human studies**

Hansen, M. V., Andersson, N. W. A., Kolstad, H., Larsen, A. D., Hjort, C., Hougaard, K. S. & Schlünssen, V., 2015.

**Maternal inflammation or high fat feeding during pregnancy and lactation programs offspring obesity in mice**

Dudele, A., Hougaard, K. S., Kjølby, M. F., Hokland, M., Winther, G., Elfving, B., Wegener, G., Nielsen, A. L., Larsen, A., Nøhr, M. K., Pedersen, S. B., Wang, T. & Lund, S. P., 2015. 1 p.

**Hazard assessment of nanoparticles in consumer products**

Saber, A. T., Mikkelsen, S. H., Lam, H. R., Hougaard, K. S., Larsen, P. B., Christensen, F. & Vogel, U. B., 2015, Copenhagen: The Danish Environmental Protection Agency. (Environmental Project).

**Risk of congenital malformations among children of construction painters in Denmark: a nationwide cohort study**

Hougaard, N. H., Bonde, J. P., Hougaard, K. S. & Jorgensen, K. T., 2015, In: *Scandinavian Journal of Work Environment & Health*. 41, 2, p. 175-183 9 p.

**A perspective on the developmental toxicity of inhaled nanoparticles**

Hougaard, K. S., Campagnolo, L., Chavatte-Palmer, P., Tarrade, A., Rousseau-Ralliard, D., Valentino, S., Park, M. V., de Jong, W. H., Wolterink, G., Piersma, A. H., Ross, B. L., Hutchison, G. R., Hansen, J. S., Vogel, U. B., Jackson, P., Slama, R., Pietroiusti, A. & Cassee, F. R., 2015, In: *Reproductive Toxicology*. 56, p. 118-140 23 p.

**Hvor langt er vi nået? Status over forskning nanosikkerhed**

Hougaard, K. S., Berthing, T., Poulsen, S. S., Kling, K., Larsen, S. T., Nørgaard, A. W., Knudsen, K. B., Koponen, I. K., Clausen, P. A., Jensen, K. A., Wallin, E. H. R. & Vogel, U. B., 2015, In: *Miljø og sundhed*. 21, 3, p. 3-12 10 p.

**Nanopartikler i arbejdsmiljøet - en risiko for mandlig frugtbarhed?**

Hougaard, K. S., Kyjovska, Z. O., Jackson, P., Wallin, E. H. R. & Vogel, U. B., 2015, In: *Dansk Kemi*. 96, 1/2, p. 12-14 3 p.

**Nanopartikler i arbejdsmiljøet - en risiko for mandlig frugtbarhed?**

Hougaard, K. S., Kyjovska, Z. O., Wallin, E. H. R., Jackson, P. & Vogel, U. B., 2015, In: *Miljø og sundhed*. 21, 2, p. 15-22 8 p.

**Occupational exposure during pregnancy and the risk of atopic dermatitis in the offspring**

Christensen, B. H., Schlünssen, V., Thulstrup, A. M., Hougaard, K., Hansen, K. S. & Skadhauge, L. R., 2015, In: *International Journal of Clinical & Medical Allergy (IJCMA)*. 03, 2, p. 19-25

**The murine lung microbiome changes during lung inflammation and intranasal vancomycin treatment**

Barfod, K. K., Vrankx, K., Mirsepasi-Lauridsen, H. C., Hansen, J. S., Hougaard, K. S., Larsen, S. T., Ouwenhand, A. C. & Kroghfelt, K. A., 2015, In: *The Open Microbiology Journal*. 9, p. 167-179 13 p.

2014

**Does stress at work comply with pregnancy?**

Larsen, A. D., Hannerz, H., Obel, C., Schlunssen, V., Juhl, M., Thulstrup, A. M., Christensen, B. H., Bonde, J. P. & Hougaard, K. S., 2014. 1 p.

**Estrous cycle is changed by lung exposure to multiwalled carbon nanotubes in mice**

Johansson, H. K., Lund, S. P., Kyjovska, Z. O., Jackson, P., Wallin, E. H. R., Vogel, U. B. & Hougaard, K. S., 2014. 2 p.

**Effects on allergy and tolerance in offspring after maternal exposure to carbon nanotubes**

Hansen, J. S., Johansson, H. K. L., Vogel, U. B., Larsen, S. T. & Hougaard, K. S., 2014. 1 p.

**Associations between serum phthalates and biomarkers of reproductive function in 589 adult men**

Specht, I. O., Toft, G., Hougaard, K. S., Lindh, C. H., Lenters, V., Jonsson, B. A., Heederik, D., Giwercman, A. & Bonde, J. P., 2014, In: *Environment International*. 66, p. 146-156 11 p.

**Exposure to psychosocial job strain during pregnancy and odds of asthma and atopic dermatitis among 7-year old children - a prospective cohort study**

Larsen, A. D., Schlunssen, V., Christensen, B. H., Bonde, J. P., Obel, C., Thulstrup, A. M., Hannerz, H. & Hougaard, K. S., 2014, In: *Scandinavian Journal of Work Environment & Health*. 40, 6, p. 639-648 10 p.

**Psychosocial job strain and risk of congenital malformations in offspring-a Danish National cohort study**

Larsen, A. D., Hannerz, H., Thulstrup, A. M., Bonde, J., Obel, C. & Hougaard, K. S., 2014, In: *BJOG*. 121, 7, p. 830-838 9 p.

**Risk of cryptorchidism among sons of horticultural workers and farmers in Denmark**

Jørgensen, K. T., Jensen, M. S., Toft, G. V., Larsen, A. D., Bonde, J. P. & Hougaard, K. S., 2014, In: *Scandinavian Journal of Work Environment & Health*. 40, 3, p. 323-330 8 p.

**Socio-occupational class, region of birth and maternal age: influence on time to detection of cryptorchidism (undescended testes): a Danish nationwide register study**

Hougaard, K. S., Larsen, A. D., Hannerz, H., Andersen, A. M. N., Jørgensen, K. T., Toft, G. V., Bonde, J. P. & Jensen, M. S., 2014, In: *BMC Urology*. 14, p. 23-

**Chronic high-fat diet increases acute neuroendocrine stress response independently of prenatal dexamethasone treatment in male rats**

Abildgaard, A., Lund, S. P. & Hougaard, K. S., 2014, In: *Acta Neuropsychiatrica*. 26, 1, p. 8-18 11 p.

2013

**Nano carbon material safety**

Vogel, U. B., Jacobsen, N. R., Saber, A. T., Koponen, I. K., Clausen, P. A., Larsen, S. T., Kyjovska, Z. O., Jackson, P., Hougaard, K. S., Jensen, K. A. & Wallin, E. H. R., 2013. 1 p.

**Morphological lesions in mouse liver and lungs after lung exposure to carbon nanotubes**

Szarek, J., Mortensen, A., Jackson, P., Saber, A. T., Kyjovska, Z. O., Wallin, E. H. R., Vogel, U. B. & Hougaard, K. S., 2013. 1 p.

**Sønner af bygningsmalere og gartneriarbejdere og risiko for infertilitet**

Ramlau-Hansen, C., Stoltenberg, C., Hougaard, K. S., Toft, G., Thulstrup, A. M., Hansen, J. S. & Bonde, J. P., 2013. 2 p.

**Psychosocial job strain and risk of preterm birth, low birth weight and congenital malformations**

Larsen, A. D., Hannerz, H., Juhl, M., Thulstrup, A. M., Obel, C., Bonde, J. P. & Hougaard, K. S., 2013.

**Mødres indånding af partikler påvirker sædkvalitet hos sønner og sønnesønner - studier i mus**

Kyjavska, Z. O., Hemmingsen, J., Boisen, A. M. Z., Loft, S., Jackson, P., Wallin, E. H. R., Møller, P., Vogel, U. B. & Hougaard, K. S., 2013. 2 p.

**Risk of cryptorchidism in sons of farmers and horticultural workers in Denmark**

Jørgensen, K. T., Jensen, M. S., Toft, E., Larsen, A. D. L. & Hougaard, K. S., 2013. 1 p.

**Lung exposure to multiwalled carbon nanotubes: Effects on estrouscyclicity in mice**

Johansson, H. K. L., Lund, S. P., Kyjavska, Z. O., Jackson, P., Wallin, E. H. R., Vogel, U. B. & Hougaard, K. S., 2013.

**Prenatal exposure to nanoparticles effects and potential mechanisms**

Hougaard, K. S., 2013.

**MINERVA: Arbejds miljø og reproduktion - forskernetværk, databaser og analytisk epidemiologiske studier**

Hougaard, K. S., Juhl, M., Ramlau-Hansen, C., Larsen, A. D., Christensen, B. H., Schlunssen, V., Larsen, P. S., Svendsen, S. W., Andersen, A. M. N., Bonde, J. P. & Toft, G., 2013, København: Det Nationale Forskningscenter for Arbejds miljø.

**Akutfaserespons i lungerne - en mulig mekanisk forklaring på partikelforårsaget hjerte-kar-sygdom**

Saber, A. T., Lamson, J. S., Jacobsen, N. R., Ravn-Haren, G., Hougaard, K. S., Nyendi, A. N., Wahlberg, P., Madsen, A. M., Jackson, P., Wallin, E. H. R. & Vogel, U. B., 2013, In: Miljø og sundhed. 19, 3, p. 3-11 9 p.

**Particle-induced pulmonary acute phase response correlates with neutrophil influx linking inhaled particles and cardiovascular risk**

Saber, A. T., Lamson, J. S., Jacobsen, N. R., Ravn-Haren, G., Hougaard, K. S., Nyendi, A. N., Wahlberg, P., Madsen, A. M., Jackson, P., Wallin, E. H. R. & Vogel, U. B., 2013, In: PLoS One. 8, 7, p. e69020-

**Løft på arbejdet øger risikoen for bækkenløsning blandt gravide kvinder**

Larsen, P. S. & Hougaard, K. S., 2013, In: Tidsskrift for Norsk dyrepleier- og assistentforening. 16, 5, p. 13-14 2 p.

**Psychosocial job strain and risk of adverse birth outcomes: a study within the Danish national birth cohort**

Larsen, A. D., Hannerz, H., Juhl, M., Obel, C., Thulstrup, A. M., Bonde, J. P. & Hougaard, K. S., 2013, In: Occupational and Environmental Medicine. 70, 12, p. 845-851 7 p.

**Daily sperm production: application in studies of prenatal exposure to nanoparticles in mice**

Kyjavska, Z. O., Boisen, A. M., Jackson, P., Wallin, E. H. R., Vogel, U. B. & Hougaard, K. S., 2013, In: Reproductive Toxicology. 36, p. 88-97 10 p.

**Risk of cryptorchidism and hypospadias among boys of maternal hairdressers - a Danish population-based cohort study**

Jørgensen, K. T., Jensen, M. S., Toft, G. V., Larsen, A. D., Bonde, J. P. & Hougaard, K. S., 2013, In: Scandinavian Journal of Work Environment & Health. 39, 3, p. 302-309 8 p.

**Maternal inhalation of surface-coated nanosized titanium dioxide (UV-Titan) in C57BL/6 mice: effects in prenatally exposed offspring on hepatic DNA damage and gene expression**

Jackson, P., Halappanavar, S., Hougaard, K. S., Williams, A., Madsen, A. M., Lamson, J. S., Andersen, O., Yauk, C., Wallin, E. H. R. & Vogel, U. B., 2013, In: Nanotoxicology. 7, 1, p. 85-96 12 p.

**Validation of freezing tissues and cells for analysis of DNA strand break levels by comet assay**

Jackson, P., Pedersen, L. M., Kyjovska, Z. O., Jacobsen, N. R., Saber, A. T., Hougaard, K. S., Vogel, U. B. & Wallin, E. H. R., 2013, In: *Mutagenesis*. 28, 6, p. 699-707 9 p.

**Effects of lung exposure to carbon nanotubes on female fertility and pregnancy. A study in mice**

Hougaard, K. S., Jackson, P., Kyjovska, Z. O., Birkedal, R. K., De Temmerman, P. J., Brunelli, A., Verleysen, E., Madsen, A. M., Saber, A. T., Pojana, G., Mast, J., Marcomini, A., Jensen, K. A., Wallin, E. H. R., Szarek, J., Mortensen, A. & Vogel, U. B., 2013, In: *Reproductive Toxicology*. 41, p. 86-97 12 p.

**MINERVA: Arbejdsmiljø of reproduktion - forskernetværk, databaser og analytisk epidemiologiske studier**

Hougaard, K. S., Ramlau-Hansen, C., Schlünssen, V., Juhl, M., Larsen, A. D., Jørgensen, K. T., Christensen, B. H., Larsen, P. S., Svendsen, S. W., Andersen, A.-M., Bonde, J. P. & Toft, G., 2013, In: *Miljø og sundhed*. 19, 3, p. 17-25 9 p.

**Maternal occupational exposure to asthmogens during pregnancy and risk of asthma in 7-year-old children: a cohort study**

Christensen, B. H., Thulstrup, A. M., Hougaard, K. S., Skadhauge, L. R., Hansen, K. S., Frydenberg, M. & Schlunssen, V., 2013, In: *BMJ Open*. 3, 4, p. e002401-

**Occupational exposure during pregnancy and the risk of hay fever in 7-year old children**

Christensen, B. H., Thulstrup, A. M., Hougaard, K. S., Skadhauge, L. R., Hansen, K. S. & Schlünssen, V., 2013, In: *The Clinical Respiratory Journal*. 7, 2, p. 183-188 6 p.

**In utero exposure to nanosized carbon black (Printex90) does not induce tandem repeat mutations in female murine germ cells**

Boisen, A. M. Z., Shipley, T., Jackson, P., Wallin, E. H. R., Nellemann, C., Vogel, U. B., Yauk, C. L. & Hougaard, K. S., 2013, In: *Reproduction Toxicology*. 41, S1, p. 45-48 4 p.

2012

**Pulmonary effects of exposure to nanoparticles**

Vogel, U. B., Saber, A. T., Jacobsen, N. R., Jackson, P., Hougaard, K. S., Koponen, I. K., Jensen, K. A. & Wallin, E. H. R., 2012. 3 p.

**Developmental toxicity of nanoparticles**

Jackson, P., Vogel, U. B., Andersen, O., Halappanavar, S., Williams, A., Yauk, C. L., Wallin, E. H. R. & Hougaard, K. S., 2012. 1 p.

**Pulmonal udsættelse for nanopartikler under graviditet: Effekt på prænatalet eksponeret mus afkom**

Jackson, P., Vogel, U. B., Wallin, E. H. R., Andersen, O. & Hougaard, K. S., 2012. 2 p.

**Developmental toxicology of nanoparticles**

Hougaard, K. S., 2012.

**Potential mechanisms in developmental toxicity of nanoparticles. A review**

Hougaard, K. S., Jackson, P., Boisen, A. M. Z., Kyjovska, Z. O., Wallin, E. H. R. & Vogel, U. B., 2012.

**Reproductive and developemntal toxicology of nanoparticles**

Hougaard, K. S., 2012.

**Maternal exposure to carbon nanotubes and effects on allergy in offspring**

Hansen, J. S., Johansson, H. K. L., Vogel, U. B., Larsen, S. T. & Hougaard, K. S., 2012.

### **Dyremodeller til reproduktionsstudier**

Hougaard, K. S., Christiansen, S. & Hass, U., 2012, *Fertilitet og sundhed*. København: Munksgaard, p. 227-247 21 p.

### **Fertility and embryotoxicity**

Hougaard, K., Campagnolo, L. & Campagnolo, L., 2012, *Adverse effects of engineered nanoparticles*. Fadeel, B., Pietroiusti, A. & Shvedova, A. (eds.). Academic Press Inc Ltd, p. 225-242

### **Reproductive toxicity**

Hougaard, K. S., Campagnolo, L., Fadell, B. (Editor), Pietroiusti, A. (Editor) & Shvedova, A. A. (Editor), 2012, *Adverse effects of engineered nanomaterials. Exposures, toxicology, and impact on human health*. Amsterdam: Elsevier, p. 225-242 18 p.

### **Fertility and pregnancy**

Campagnolo, L. & Hougaard, K., 2012, *Adverse effects of engineered nanoparticles*. Fadeel, B., Pietroiusti, A. & Shvedova, A. (eds.). Academic Press Inc Ltd

### **Relationship between apoptotic markers in semen from fertile men and demographic, hormonal and seminal characteristics**

Specht, I. O., Spanò, M., Hougaard, K. S., Manicardi, G. C., Bizzaro, D., Toft, G., Giwercman, A. & Bonde, J. P. E., 2012, In: *Asian Journal of Andrology*. 14, 6, p. 890-896 7 p.

### **Sperm DNA integrity in relation to exposure to environmental perfluoroalkyl substances - A study of spouses of pregnant women in three geographical regions**

Specht, I. O., Hougaard, K. S., Spanò, M., Bizarro, D., Manicardi, G. C., Lindh, C. H., Toft, G., Jönsson, B. A. G., Giwercman, A. & Bonde, J. P. E., 2012, In: *Reproductive Toxicology*. 33, 4, p. 577-583 7 p.

### **"NANOKEM" - nanopartikler i farve og lakindustrien - eksponering og toksiske effekter**

Saber, A. T., Jensen, K. A., Hougaard, K. S., Larsen, S. T., Koponen, I. K., Jacobsen, N. R., Mikkelsen, L., Roursgaard, M., Møller, P., Loft, S., Fotel, F. L., Wallin, E. H. R. & Vogel, U. B., 2012, In: *Miljø og sundhed*. 18, 1, p. 27-38 12 p.

### **Male-mediated infertility in sons of building painters and gardeners: A nationwide register-based follow-up study**

Ramlau-Hansen, C. H., Stoltenberg, C. D. G., Hougaard, K. S., Parner, E. T., Toft, G., Thulstrup, A. M., Hansen, J. S., Bonde, J. P. & MINERVA-group, [., 2012, In: *Reproductive Toxicology*. 34, 4, p. 522-528 7 p.

### **Alkohol og graviditet**

Poulsen, L. B. & Hougaard, K. S., 2012, In: *Miljø og sundhed*. 18, 1, p. 10-16 7 p.

### **Exposure of pregnant mice to carbon black by intratracheal instillation: toxicogenomic effects in dams and offspring**

Jackson, P., Hougaard, K. S., Vogel, U. B., Wu, D., Casavant, L., Williams, A., Wade, M., Yauk, C. L., Wallin, E. H. R. & Halappanavar, S., 2012, In: *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*. 745, 1-2, p. 73-83 11 p.

### **Pulmonary exposure to carbon black by inhalation or instillation in pregnant mice: Effects on liver DNA strand breaks in dams and offspring**

Jackson, P., Hougaard, K. S., Boisen, A. M. Z., Jacobsen, N. R., Jensen, K. A., Møller, P., Brunborg, G., Gutzkow, K. B., Andersen, O., Loft, S., Vogel, U. B. & Wallin, E. H. R., 2012, In: *Nanotoxicology*. 6, 5, p. 486-500 15 p.

### **Udsættelse for nanopartikler i drægtighedsperioden og effekter på afkommet: resultater fra en dyremodel**

Jackson, P., Andersen, O., Jensen, K. A., Wallin, E. H. R., Hougaard, K. S. & Vogel, U. B., 2012, In: *Miljø og sundhed*. 18, 1, p. 39-49 11 p.

### **Carbon black nanoparticle intratracheal installation results in large and sustained changes in the expression of miR-135b in mouse lung**

Bourdon, J. A., Saber, A. T., Halappanavar, S., Jackson, P., Wu, D., Hougaard, K. S., Jacobsen, N. R., Williams, A., Vogel, U. B., Wallin, E. H. R. & Yauk, C. L., 2012, In: *Environmental and Molecular Mutagenesis*. 53, 6, p. 462-468 7 p.

**NanoTI02 (UV-Titan) does not induce ESTR mutations in the germline of prenatally exposed female mice**

Boisen, A. M. Z., Shipley, T., Jackson, P., Hougaard, K. S., Wallin, E. H. R., Yauk, C. L. & Vogel, U. B., 2012, In: Particle and Fibre Toxicology. 9, 19

2011

**Development and reproductive toxicity of nanoparticles**

Hougaard, K. S., Jackson, P., Jensen, K. A., Saber, A. T., Birkedal, R. K., Vibenholt, A., Sloth, J. J., Löschner, K., Larsen, E. H., Boisen, A. M. Z., Wallin, E. H. R. & Vogel, U. B., 2011. 1 p.

**NANOKEM - Risk assessment of nanoparticles in the paint and lacquer industry**

Fotel, F., Permin, A., Cohr, K. H., Lam, H. R., Saber, A. T., Jensen, K. A., Hougaard, K. S., Koponen, I. K., Larsen, S. T., Jacobsen, N. R., Birkedal, R., Roursgaard, M., Mikkelsen, L., Møller, P., Loft, S., Wallin, E. H. R. & Vogel, U. B., 2011.

**Maternal exposure to particulate air pollution and engineered nanoparticles: Reproductive and developmental effects**

Jackson, P., Vogel, U. B., Wallin, E. H. R., Hougaard, K. S. & Moldoveanu, A. M. (Editor), 2011, *Air Pollution - New Developments*. InTech

**Developmental toxicity of engineered nanoparticles**

Hougaard, K. S., Fadeel, B., Gulumian, M., Kagan, V. E., Savolainen, K. M. & Gupta, R. C. (Editor), 2011, *Reproductive and Developmental Toxicology*. London: Elsevier Inc., p. 269-287 19 p.

**Nanopartikler i arbejdsmiljøet - stor ståhej for ingenting eller tid til rettidig omhu?**

Vogel, U. B., Jacobsen, N. R., Saber, A. T., Jensen, K. A., Hougaard, K. S. & Wallin, E. H. R., 2011, In: Dansk Kemi. 92, 1-2, p. 16-19 4 p.

**Nanopartikler i arbejdsmiljøet - stor ståhej for ingenting eller tid til rettidig omhu?**

Vogel, U. B., Jacobsen, N. R., Saber, A. T., Jensen, K. A., Hougaard, K. S. & Wallin, E. H. R., 2011, In: Laboranten. 55, 6, p. 4-11 8 p.

**Nanopartikler i arbejdsmiljøet - stor ståhej for ingenting eller tid til rettidig omhu?**

Vogel, U. B., Jacobsen, N. R., Saber, A. T., Jensen, K. A., Hougaard, K. S. & Wallin, E. H. R., 2011, In: Yrkeshygienikeren. 2, p. 3-7 5 p.

**Germline mutation rates in mice following in utero exposure to diesel exhaust particles by maternal inhalation**

Ritz, C., Ruminski, W., Hougaard, K. S., Wallin, E. H. R., Vogel, U. B. & Yauk, C. L., 2011, In: Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis. 712, 1-2, p. 55-58 4 p.

**Testing the association between psychosocial job strain and adverse birth outcomes - design and methods**

Larsen, A. D., Hannerz, H., Obel, C., Thulstrup, A. M., Bonde, J. P. & Hougaard, K. S., 2011, In: BMC Public Health. 11, 255

**Influence of diurnal phase on startle response in adult rats exposed to dexamethasone in utero**

Kjær, S. L., Hougaard, K. S., Tasker, R. A., MacDonald, D. S., Rosenberg, R., Elfving, B. & Wegener, G., 2011, In: Physiology & Behavior. 102, 5, p. 444-452 9 p.

**An experimental protocol for maternal pulmonary exposure in developmental toxicology**

Jackson, P., Lund, S. P., Kristiansen, G. B., Andersen, O., Vogel, U. B., Wallin, E. H. R. & Hougaard, K. S., 2011, In: Basic & Clinical Pharmacology & Toxicology. 108, 3, p. 202-207 6 p.

**Prenatal exposure to carbon black (Printex 90): Effects on sexual development and neurofunction**

Jackson, P., Vogel, U. B., Wallin, E. H. R. & Hougaard, K. S., 2011, In: Basic & Clinical Pharmacology & Toxicology. 109, 6, p. 434-437 4 p.

**Gestational chronic mild stress: Effects on acoustic startle in male offspring of rats**

Hougaard, K. S., Mandrup, K. R., Kjaer, S. L., Bøgh, I. B., Rosenberg, R. & Wegener, G., 2011, In: International Journal of Developmental Neuroscience. 29, 4, p. 495-500 6 p.

**"Kejserens sidste nat..."**

Hougaard, K. S. & Hougaard, P., 2011, In: Biozoom. 14, 1, p. 10-14 5 p.

**Pulmonary response to surface-coated nanotitanium dioxide particles includes induction of acute phase response genes, inflammatory cascades, and changes in microRNAs: A toxicogenomic study**

Halappanavar, S., Jackson, P., Williams, A., Jensen, K. A., Hougaard, K. S., Vogel, U. B., Yauk, C. L. & Wallin, E. H. R., 2011, In: Environmental and Molecular Mutagenesis. 52, 6, p. 425-439 15 p.

**Industrial differences in female fertility treatment rates - A new approach to assess differences related to occupation?**

Feveile, H. B., Schmidt, L., Hannerz, H. & Hougaard, K. S., 2011, In: Scandinavian Journal of Public Health. 39, 2, p. 164-171 8 p.

**Effects of pre- and postnatal exposure to the UV-filter Octyl Methoxycinnamate (OMC) on the reproductive, auditory and neurological development of rat offspring**

Axelstad, M., Boberg, J., Hougaard, K. S., Christiansen, S., Jacobsen, P. R., Mandrup, K. R., Nellemann, C., Lund, S. P. & Hass, U., 2011, In: Toxicology and Applied Pharmacology. 250, 3, p. 278-290 13 p.

**Exposure to the widely used fungicide mancozeb causes thyroid hormone disruption in rat dams but no behavioral effects in the offspring**

Axelstad, M., Boberg, J., Nellemann, C., Kiersgaard, M., Jacobsen, P. R., Christiansen, S., Hougaard, K. S. & Hass, U., 2011, In: Toxicological Sciences. 120, 2, p. 439-446 8 p.

2010

**NANOKEM: Nanoparticles in the paint and lacquer industry. Exposure and toxic properties**

Saber, A. T., Jensen, K. A., Hougaard, K. S., Koponen, I. K., Larsen, S. T., Jacobsen, N. R., Birkedal, R., Fotel, F., Roursgaard, M., Mikkelsen, L., Møller, P., Loft, S., Wallin, E. H. R. & Vogel, U. B., 2010. 10 p.

**Risk of negative birth outcome when exposed to adverse psychosocial work environment during pregnancy**

Larsen, A. D., Thulstrup, A. M., Hannerz, H., Obel, C. & Hougaard, K. S., 2010. 2 p.

**The Occupational Birth Register - a novel tool for survey of occupational reproductive health in Denmark**

Larsen, A. D., Hannerz, H., Christensen, B. H., Bonde, J. P., Toft, G. & Hougaard, K. S., 2010. 1 p.

**Contextual negative cues appear important for induction of increased state of anxiety in prenatally stressed rats**

Kjaer, S. L., Wegener, G., Rosenberg, R. & Hougaard, K. S., 2010. 1 p.

**Isoflurane, sevoflurane and desflurane - a new criteria document for OEL setting from the Nordic expert group**

Johanson, G., Saber, A. T., Hougaard, K. S., Alexandrie, A. K. & Järnberg, J., 2010.

**Carbon nano-tubes: Effects on gestation and reproduction**

Hougaard, K. S., Jackson, P., Jensen, K. A., Saber, A. T., Vogel, U. B. & Wallin, E. H. R., 2010.

**Prenatal and adult stress interplay - behavioral implications**

Kjær, S. L., Wegener, G., Rosenberg, R., Lund, S. P. & Hougaard, K. S., 2010, In: Brain Research. 1320, 12, p. 106-113 8 p.



**Reduced mobility but unaffected startle response in female rats exposed to prenatal dexamethasone: Different sides to a phenotype**

Kjaer, S. L., Wegener, G., Rosenberg, R. & Hougaard, K. S., 2010, In: *Developmental Neuroscience*. 32, 3, p. 208-216 9 p.

**Effects of prenatal exposure to surface-coated nanosized titanium dioxide (UV-Titan). A study in mice**

Hougaard, K. S., Jackson, P., Jensen, K. A., Sloth, J. J., Löschner, K., Larsen, E. H., Birkedal, R. K., Vibenholt, A., Boisen, A. M. Z., Wallin, E. H. R. & Vogel, U. B., 2010, In: *Particle and Fibre Toxicology*. 7, 16

2009

**Risk of negative birth outcome, when exposed to adverse psychosocial work environment during pregnancy**

Larsen, A. D., Hannerz, H., Thulstrup, A. M., Obel, C. & Hougaard, K. S., 2009.

**Contextual negative cues appear to be important for induction of increased state of anxiety in prenatally stressed rats**

Kjær, S. L., Wegener, G., Rosenberg, R. & Hougaard, K. S., 2009. 1 p.

**Når omgivelserne fremkalder negative associationer - en vigtig faktor for induktion af øget startle i prænatalt stressede dyr**

Kjær, S. L., Wegener, G., Rosenberg, R. & Hougaard, K. S., 2009. 1 p.

**Nano-sized titanium dioxide: Effects of gestational exposure**

Hougaard, K. S., Jackson, P., Jensen, K. A., Vogel, U. B., Wallin, E. H. R. & Knudsen, T. B. (Editor), 2009. 1 p.

**Mors erhverv og risiko for at barnet udvikler en allergisk sygdom**

Christensen, B. H., Schlünssen, V., Skadhauge, L. R., Thulstrup, A. M. & Hougaard, K. S., 2009. 1 p.

**141. Isoflurane, sevoflurane and desflurane**

Saber, A. T., Hougaard, K. S., Torén, K. (Editor), Albin, M. (Editor), Tornqvist, E. W. (Editor), Eduard, W. (Editor), Dellve, L. (Editor), Persson, S. R. (Editor) & Holmer, C. (Editor), 2009, Gothenburg: University of Gothenburg. 117 p. (The Nordic Expert Group for Criteria Documentation of Health Risks from Chemicals).

**Diesel exhaust particles: effects on neurofunction in female mice**

Hougaard, K. S., Saber, A. T., Jensen, K. A., Vogel, U. B. & Wallin, E. H. R., 2009, In: *Basic & Clinical Pharmacology & Toxicology*. 105, 2, p. 139-143 5 p.

**Increased incidence of infertility treatment among women working in the plastics industry**

Hougaard, K. S., Hannerz, H., Feveile, H. B. & Bonde, J. P., 2009, In: *Reproductive Toxicology*. 27, 2, p. 186-189 4 p.

**Infertility among women working in horticulture. A follow-up study in the Danish Occupational Hospitalization Register**

Hougaard, K. S., Hannerz, H., Feveile, H. B., Bonde, J. P. & Burr, F. H. M., 2009, In: *Fertil Steril*. 91, 4 Suppl., p. 1385-1387 3 p.

**Prenatal exposure to diesel exhaust particles and effect on the male reproductive system in mice**

Hemmingsen, J. G., Hougaard, K. S., Talsness, C., Wellejus, A., Loft, S., Wallin, E. H. R. & Møller, P., 2009, In: *Toxicology*. 264, 1-2, p. 61-68 8 p.

2008

**Risk assessment of nanotechnology at the NRCWE**

Schneider, T., Jensen, K. A., Wallin, E. H. R., Andrup, L., Clausen, P. A., Wolkoff, P. & Hougaard, K. S., 2008.

**Germline mutation in male and female mice exposed to diesel exhaust particles In Utero**

Ruminski, W., Vogel, U. B., Wallin, E. H. R., Hougaard, K. S., Ritz, C. E., Berndt-Weis, M. L. & Yauk, C. L., 2008.

**Maternal stress during pregnancy - An endocrine disruptor increasing vulnerability to stressful life events in the offspring?**  
Kjær, S. L., Wegener, G., Rosenberg, R., Lund, S. P. & Hougaard, K. S., 2008. 1 p.

**Stress during fetal life as risk factor for mental disease**  
Kjær, S. L., Hougaard, K. S., Wegener, G. & Rosenberg, R., 2008.

**Stress during fetal life as risk factor for mental disease**  
Kjær, S. L., Hougaard, K. S., Wegener, G. & Rosenberg, R., 2008.

**"At han blev taget af dage med gift er sikkert..."**  
Hougaard, K. S. & Hougaard, P., 2008, In: Dansk Kemi. 89, 8, p. 38-40 3 p.

**Effects of prenatal exposure to diesel exhaust particles on postnatal development, behavior, genotoxicity and inflammation in mice**  
Hougaard, K. S., Jensen, K. A., Nordly, P., Taxvig, C., Vogel, U. B., Saber, A. T. & Wallin, E. H. R., 2008, In: Particle & Fibre Tox. 5, 3

**Øger stress effekten af kemisk udsættelse i graviditeten? Erfaring fra 36 dyrestudier**  
Hougaard, K. S., 2008, In: Miljø og sundhed. 14, 1, p. 29-36 8 p.

**Developmental neurotoxicity of Propylthiouracil (PTU) in rats: Relationship between transient hypothyroxinemia during development and long-lasting behavioural and functional changes**  
Axelstad, M., Hansen, P. R., Boberg, J., Bonnichsen, M., Nelleman, C., Lund, S. P., Hougaard, K. S. & Hass, U., 2008, In: Toxicol Appl Pharmacol. 232, 1, p. 1-13 13 p.

2007

**NANOKEM: Dust from nanoparticle-containing paints: Exposure assessment and toxicological properties**  
Vogel, U. B., Schneider, T., Jensen, K. A., Stoltenberg, M., Hougaard, K. S., Larsen, S. T., Loft, S., Møller, P. & Wallin, E. H. R., 2007. 1 p.

**Does maternal stress enhance developmental toxicity of chemicals? A review**  
Hougaard, K. S. & Hansen, A. M., 2007. 1 p.

**Effects of prenatal exposure to diesel particles in mice**  
Hougaard, K. S., Jensen, K. A. & Wallin, E. H. R., 2007. 1 p.

**Developmental neurotoxicity of propylthiouracil in rats**  
Axelstad, M., Hansen, P., Christiansen, S., Nelleman, C., Hougaard, K. S., Lund, S. P. & Hass, U., 2007.

**Effects of developmental exposure to propylthiouracil in rat**  
Axelstad, M., Hansen, P., Christiansen, S., Nelleman, C., Hougaard, K. S., Lund, S. P. & Hass, U., 2007. 2 p.

**Indånding af partikler fra luftforurening har en lille, men vigtig, effekt på helbredet**  
Saber, A. T., Hougaard, K. S., Larsen, S. T., Jensen, K. A., Burr, F. H. M., Wallin, E. H. R. & Vogel, U. B., 2007, In: Miljø og sundhed. 35, p. 17-20 4 p.

**Indånding af partikler fra luftforurening har en lille, men vigtig, effekt på helbredet**  
Saber, A. T., Hougaard, K. S., Larsen, S. T., Jensen, K. A., Burr, F. H. M., Wallin, E. H. R. & Vogel, U. B., 2007, In: Biozoom. 4, p. 17-20 4 p.

### **Støv og partikler i arbejdsmiljøet skader helbredet**

Saber, A. T., Hougaard, K. S., Larsen, S. T., Jensen, K. A., Burr, F. H. M., Wallin, E. H. R. & Vogel, U. B., 2007, In: Magasinet Arbejdsmiljø. 9, p. 48-50 3 p.

### **Enhancement of developmental toxicity effects of chemicals by gestational stress. A review**

Hougaard, K. S. & Hansen, Å. M., 2007, In: Neurotoxicol Teratol. 29, 4, p. 425-445 21 p.

### **Gift i mælken?**

Hougaard, K. S., 2007, In: Biozoom. 10, 2, p. 24-27 4 p.

### **Grøn fluesvamp - en uvelkommen middagsgæst**

Hougaard, K. S., 2007, In: Biozoom. 10, 3, p. 25-27 3 p.

### **Hudkræft i udsatte erhverv kan undgås**

Hougaard, K. S., Villadsen, E., Burr, F. H. M. & Vogel, U. B., 2007, In: Magasinet Arbejdsmiljø. 6, p. 42-44 3 p.

### **Lup på nano-skala partikler**

Hougaard, K. S. & Vogel, U. B., 2007, In: Maleren. 5, p. 16-16 1 p.

### **Lup på nano-skala partikler**

Hougaard, K. S. & Vogel, U. B., 2007, In: Vognmaleren. 2, 4, p. 14-15 2 p.

### **"NanoKem". Et projekt om nanopartikler i farve- og lakindustrien: Eksponering og toksiske egenskaber**

Hougaard, K. S. & Vogel, U. B., 2007, In: Färg Lack Scandinavia. 53, 2, p. 17-17 1 p.

### **Når mælk bliver giftig ...**

Hougaard, K. S., 2007, In: Dansk Kemi. 88, 6/7, p. 32-34 3 p.

### **No evidence for enhanced noise induced hearing loss after prenatal stress or dexamethasone**

Hougaard, K. S., Barrenäs, M.-L., Kristiansen, G. B. & Lund, S. P., 2007, In: Neurotoxicol Teratol. 29, 6, p. 613-621 9 p.

### **Ricin - en samfundskritikers endeligt ...**

Hougaard, K. S. & Larsen, S. T., 2007, In: Biozoom. 1, p. 15-17 3 p.

2006

### **Dansk konference om forskningsformidling: Den nødvendige og svære balancegang**

Vogel, U. B. & Hougaard, K. S., 2006, In: Miljø og sundhed. 12, 30, p. 43-45 3 p.

### **Dødeligt indeklima**

Hougaard, K. S., 2006, In: Dansk Kemi. 87, 5, p. 41-45 5 p.

### **Efterår er (gift)svampetid ...**

Hougaard, K. S., 2006, In: Dansk Kemi. 87, 11, p. 30-31 2 p.

### **Gravide behøver ikke at finde sig i passiv røg**

Hougaard, K. S. & Weil, H. M., 2006, In: Arbejdsmiljø. 22, 4, p. 3-4 2 p.

### **Gravid og passiv ryger - en uønsket kombination**

Hougaard, K. S., 2006, In: Dansk Kemi. 87, 5, p. 25-26 2 p.

### **Kemien i det danske arbejdsmiljø 1**

Hougaard, K. S., Flyvholm, M.-A., Nielsen, G. D., Jensen, K. A., Larsen, S. T., Lund, S. P., Kristiansen, J., Wallin, E. H. R. & Vogel, U. B., 2006, In: Dansk Kemi. 87, 1, p. 19-20 2 p.

### **Kemien i det danske arbejdsmiljø 2**

Hougaard, K. S., Flyvholm, M.-A., Nielsen, G. D., Jensen, K. A., Larsen, S. T., Lund, S. P., Kristiansen, J., Wallin, E. H. R. & Vogel, U. B., 2006, In: Dansk Kemi. 87, 2, p. 12-14 3 p.

### **Passiv rygning eller øj?**

Hougaard, K. S. & Borg, V., 31 Mar 2006, In: Berlingske Tidende. 31. marts 2006

### **The risk of infertility among hairdressers. Five-year follow-up of female hairdressers in a Danish national registry**

Hougaard, K. S., Hannerz, H., Bonde, J. P., Feveile, H. B. & Burr, F. H. M., 2006, In: Hum Reprod. 21, 12, p. 3122-3126 5 p.

2005

### **Occupational manganese exposure in Denmark - A systematic literature review with focus on nervous system impairment and exposure**

Kristiansen, J., Frost, P., Lund, S. P., Llambias, M. T., Hansen, J. S. & Hougaard, K. S., 2005.

### **Forskningsformidling: den nødvendige og svære balancegang**

Vogel, U. B. & Hougaard, K. S., 2005, In: Biozoom. 8, 4, p. 7-8 2 p.

### **Mechanisms of acute inhalation effects of (+) and (-)-a-pinene in BALB/c mice**

Nielsen, G. D., Larsen, S. T., Hougaard, K. S., Hammer, M., Wolkoff, P., Clausen, P. A., Wilkins, C. K. & Alarie, Y., 2005, In: Basic Clin Pharmacol Toxicol. 96, 6, p. 420-428 9 p.

### **Dødeligt indeklima**

Hougaard, K. S., 2005, In: Biozoom. 8, 1, p. 14-18 5 p.

### **Effects of prenatal exposure to chronic mild stress and toluene in rats**

Hougaard, K. S., Andersen, M. B., Hansen, A. M., Hass, U., Werge, T. & Lund, S. P., 2005, In: Neurotoxicol Teratol. 27, 1, p. 153-167 15 p.

### **Gravide kvinder, pas på røgen**

Hougaard, K. S., 1 Jul 2005, In: Politiken. 01.07.2005; 2. sektion, p. 7-

### **Graviditet og passiv rygning på arbejdet - en uønsket cocktail**

Hougaard, K. S., 2005, In: Biozoom. 8, 2, p. 9-10 2 p.

### **Passiv rygning og graviditet - et problem på danske arbejdspladser?**

Hougaard, K. S., 2005, In: Helse på job. 2, 3, p. 43-44 2 p.

### **Prenatal stress may increase vulnerability to life events: comparison with the effects of prenatal dexamethasone**

Hougaard, K. S., Andersen, M. B., Kjær, S. L., Hansen, A. M., Werge, T. & Lund, S. P., 2005, In: Dev Brain Res. 159, 1, p. 55-63 9 p.

### **Skarntyde til Sokrates**

Hougaard, K. S., 2005, In: Dansk Kemi. 86, 6/7, p. 34-37 4 p.

2004

**Toxicology: web-databases for the work environment**

Hougaard, K. S. & Kristjánsson, V. (Editor), 2004. 2 p.

**Manganudsættelse ved metalstøbning og -forarbejdning i Danmark. En udredning om eksisterende viden med fokus på eksponering og helbredseffekter**

Kristiansen, J., Frost, P., Lund, S. P., Llambias, M. T., Hansen, J. S., Hougaard, K. S., Sherson, D., Kolstad, H., Brandt, L., Blønd, M., Christensen, S. W. & Omland, Ø., 2004, København: Arbejdsmiljøinstituttet. 115 p.

**Helbredseffekter af støj i arbejdsmiljøet**

Hougaard, K. S. & Lund, S. P., 2004, København: Arbejdsmiljøinstituttet. 58 p. (AMI dokumentation).

**Effects of combined prenatal stress and toluene exposure on apoptotic neurodegeneration in cerebellum and hippocampus of rats**

Ladefoged, O., Hougaard, K. S., Hass, U., Sørensen, I. K., Lund, S. P., Svendsen, G. W. & Lam, H. R., 2004, In: Basic Clin Pharmacol Toxicol. 94, 4, p. 169-176 8 p.

**Effekter af stress i fostertilværelsen**

Hougaard, K. S., 2004, In: Miljø og sundhed. 10, Suppl. 4, p. 14-24 11 p.

**En paraply af farmaceutiske discipliner**

Hougaard, K. S. & Larsen, S. T., 2004, In: Farmaceuten. 15, p. 4-5 2 p.

**Filosoffens sidste rejse**

Hougaard, K. S., 2004, In: Biozoom. 7, 3, p. 15-19 5 p.

**Fostre i farezonen ved passiv rygning**

Hougaard, K. S., 2004, In: Arbejdsmiljø. 11, p. 32-32 1 p.

**Helbred og støj i arbejdsmiljøet**

Hougaard, K. S. & Lund, S. P., 2004, In: Miljø og sundhed. 25, p. 15-17 3 p.

**Ricin - en samfundskritikers endeligt ...**

Hougaard, K. S. & Larsen, S. T., 2004, In: Biozoom. 7, 2, p. 41-43 3 p.

**Ricin og gamle paraplyer**

Hougaard, K. S. & Larsen, S. T., 2004, In: Dansk Kemi. 85, 5, p. 31-32 2 p.

**Ricins virkningsmekanisme og molekylestruktur**

Hougaard, K. S. & Larsen, S. T., 2004, In: Farmaceuten. 15, p. 6-7 2 p.

**Kemikalier og dyremodeller**

Hass, U. & Hougaard, K. S., 2004, In: Miljø og sundhed. 10, Suppl. 4, p. 5-13 9 p.

**Influence of dietary triacylglycerol structure and level of n-3 fatty acids administered during development on brain phospholipids and memory and learning ability of rats**

Hartvigsen, M. S., Mu, H., Hougaard, K. S., Lund, S. P., Xu, X. & Høy, C.-E., 2004, In: Ann Nutr Metab. 48, 1, p. 16-27 12 p.

**Differential effects of stress and toluene in fetal life**

Hougaard, K. S., Andersen, M. B., Hansen, Å. M., Hass, U., Werge, T. & Lund, S. P., 2003.

**Interaction between exposures in fetal life?**

Hougaard, K. S., Andersen, M., Hansen, A. M., Hass, U., Werge, T. & Lund, S. P., 2003. 1 p.

**Neurobehavioral teratology of maternal stress in combination with chemical exposure to rats**

Hougaard, K. S., 2003. 11 p.

**Net-information om giftige stoffer**

Hougaard, K. S., 2003, In: Arbejds miljø. 19, 6/7, p. 33-34 2 p.

**Samtidig påvirkning af stress og kemi - en dyremodel til studie af effekter på fosterudvikling, med fokus på indlæring og hukommelse**

Hougaard, K. S., 2003, In: Miljø og sundhed. 9, 23, p. 42-43 2 p.

**Toksikologi på internettet**

Hougaard, K. S., 2003, In: Dansk Kemi. 84, 1, p. 21-27 7 p.

**Toluene depresses plasma corticosterone in pregnant rats**

Hougaard, K. S., Hansen, Å. M., Hass, U. & Lund, S. P., 2003, In: Pharmacol Toxicol. 92, 3, p. 148-152 5 p.

2002

**Neurobehavioral teratology of maternal stress in combination with exposure to toluene**

Hougaard, K. S., Andersen, M. B., Hansen, Å. M., Hass, U., Werge, T. & Lund, S. P., 2002. 2 p.

**Toksikologi på internettet - information om giftige stoffer i arbejdsmiljøet**

Hougaard, K. S., 2002, In: Biozoom. 5, 4, p. 22-26 5 p.

**Changes in markers of oxidative stress and membrane properties in synaptosomes from rats exposed prenatally to toluene**

Edelfors, S., Hass, U. & Hougaard, K. S., 2002, In: Pharmacol Toxicol. 90, 1, p. 26-31 6 p.

2001

**Antagonistic effects of combined exposure to toluene and gaussian noise in rats at low exposure levels**

Lund, S. P., Hougaard, K. S. & Jepsen, G. B., 2001. 1 p.

**Enriched environment: no effects on dams or fetuses**

Hougaard, K. S., Jepsen, G. B., Hass, U., Hansen, Å. M. & Lund, S. P., May 2001. 1 p.

**Prenatal stress in rats: effects on postnatal development and behavior**

Hougaard, K. S., Hass, U., Pedersen, S., Hansen, Å. M. & Lund, S. P., 2001. 1 p.

**Prenatal stress in rats: effects on postnatal development and behavior**

Hougaard, K. S., Hass, U., Pedersen, S., Hansen, Å. M. & Lund, S. P., 2001. 2 p.

**Forslag til kriterier for hudmarkering på den danske grænseværdiliste**

Hougaard, K. S. & Simonsen, L., 2001, København: Arbejds miljøinstituttet. 94 p. (AMI dokumentation).

**Developmental toxicity of toluene in male rats: effects on semen quality, testis morphology, and apoptotic neurodegeneration**

Dalgaard, M., Hossaini, A., Hougaard, K. S., Hass, U. & Ladefoged, O., 2001, In: Arch Toxicol. 75, 2, p. 103-109 7 p.

2000

**Behavioural effects in the elevated plusmaze after pre- and postnatal exposure to dibutylphthalate**

Pedersen, S., Hougaard, K. S. & Hass, U., 2000. 2 p.

**Comparison of the status of oxidative stress in synaptosomes and mitochondria from rats exposed to 1-octanol in vitro**

Edelfors, S. & Hougaard, K. S., 2000. 1 p.

**Exposure to toluene during brain development: Effects on brain weight and synaptosomes.**

Edelfors, S., Hougaard, K. S. & Hass, U., 2000. 2 p.

**Effects of R-(+)- and S-(-)-limonene on the respiratory tract in mice**

Larsen, S. T., Hougaard, K. S., Hammer, M., Alarie, Y., Wolkoff, P., Clausen, P. A., Wilkins, C. K. & Nielsen, G. D., 2000, In: Hum Exp Toxicol. 19, 8, p. 457-466 10 p.

1999

**Formation of strong airway irritants in terpene/ozone mixtures**

Wolkoff, P., Clausen, P. A., Wilkins, C. K., Hougaard, K. S., Larsen, S. T., Nielsen, G. D., Raw, G. (Editor), Aizlewood, C. (Editor) & Warren, P. (Editor), 1999. 6 p.

**Effects of chronic mild stress on female rats.**

Hougaard, K. S., Hass, U. & Hansen, Å. M., 1999. 1 p.

**Betydning og dannelse af reaktive stoffer som forklaringsmodel for indeklimagener - Eksemplificeret ved ozons reaktion med limonen**

Wolkoff, P., Clausen, P. A., Wilkins, C. K., Hougaard, K. S., Larsen, S. T. & Nielsen, G. D., 1999, København: Arbejdsmiljørådets Service Center. 18 p. (Forskningsrapport).

**Dannelse af stærke luftvejsirriteranter i reaktionsblandinger mellem terpenener og ozon**

Wolkoff, P., Clausen, P. A., Wilkins, C. K., Hougaard, K. S., Larsen, S. T. & Nielsen, G. D., 1999, In: Dansk Kemi. 80, 8, p. 8-10 3 p.

**Formation of strong airway irritants in a model mixture of (+)-alpha-pinene/ozone**

Wolkoff, P., Clausen, P. A., Wilkins, C. K., Hougaard, K. S. & Nielsen, G. D., 1999, In: Atmos Environ. 33, 5, p. 693-698 6 p.

**Acute airway effects of formaldehyde and ozone in BALB/c mice**

Nielsen, G. D., Hougaard, K. S., Larsen, S. T., Hammer, M., Wolkoff, P., Clausen, P. A., Wilkins, C. K. & Alarie, Y., 1999, In: Hum Exp Toxicol. 18, 6, p. 400-409 10 p.

**Effects of prenatal exposure to toluene on postnatal development and behavior in rats**

Hougaard, K. S., Hass, U., Lund, S. P. & Simonsen, L., 1999, In: Neurotoxicol Teratol. 21, 3, p. 241-250 10 p.

**Developmental neurotoxicity after toluene inhalation exposure in rats.**

Hass, U., Lund, S. P., Hougaard, K. S. & Simonsen, L., 1999, In: Neurotoxicol Teratol. 21, 4, p. 349-357 9 p.

1998

**Indoor air chemistry:Enhanced airway irritation by (+)-alpha-pinene/ozone mixtures**  
Wolkoff, P., Clausen, P. A., Wilkins, C. K., Hougaard, K. S. & Nielsen, G. D., 1998.

**Inhalation exposure in developmental neurotoxicity testing. Abstract for presentation at the third Network Meeting for the Nordic Cooperation in Ecotoxicology and Toxicology, May, Denmark. 19-20 May 1998. Kollokole.**  
Hass, U., Hougaard, K. S. & Lund, S. P., 1998. 3 p.

**Inhalation exposure in developmental neurotoxicity testing. Development of ecotoxicity and toxicitytesting of chemicals. Proceeding of the third Nordic meeting 19-20 may 1998, Kollokole**  
Hass, U., Hougaard, K. S. & Lund, S. P., 1998. 4 p.

**Dannelse af stærke luftvejsirriteranter i modelblandinger af terpener og ozon**  
Wolkoff, P., Clausen, P. A., Wilkins, C. K., Hougaard, K. S. & Nielsen, G. D., 1998, *Miljø og sundhed*.  
Sundhedsministeriets Miljømedicinske Forskningscenter: SMF, Vol. 9. p. 35-36 2 p.

1997

**Deficits on a spatial navigation task following prenatal exposure to toluene**  
Hougaard, K. S., Hass, U., Lund, S. P. & Simonsen, L., 1997.

1996

**Organic solvents may inflict maternal toxicity not normally assessed in neurobehavioural teratology studies, e.g. hearing impairment**  
Hougaard, K. S., Lund, S. P., Hass, U. & Simonsen, L., 1996.

## Activities

**Ph.d.-vejledning: Morens arbejdseksponeringer før og under graviditeten og børnenes risiko for autoimmune sygdomme**  
Hougaard, K. S. (Teacher) & Sejbaek, C. S. (Supervisor - Ph.d.)  
1 Sept 2024 → 31 Aug 2027

**Psychosocial work environment exposures and risk of autoimmune rheumatic diseases**  
Nielsen, H. B. (Speaker), Sejbaek, C. S. (Speaker) & Hougaard, K. S. (Speaker)  
22 Feb 2024

**Undervisning i Reproductive Toxicology testing**  
Hougaard, K. S. (Teacher)  
12 Dec 2023

**Undervisning i Dyremodeller for studier af reproduktionsskader, på valgfaget Fertilitet og Sundhed, på uddannelsen i Folkesundhedsvidenskab**  
Hougaard, K. S. (Teacher)  
6 Dec 2023

**Arbejds miljø for gravide og børneønskende arbeidstagere**  
Hougaard, K. S. (Speaker)  
4 Nov 2023

**Are reproductive and developmental toxicants used at workplaces in the EU? Denmark as case.**  
Hougaard, K. S. (Speaker)  
10 Oct 2023



**Prenatal particle exposure and ageing of the CNS - a study in young and aged mice cohorts (PreParE)**

Rothmann, M. H. (Speaker), Vogel, U. B. (Speaker), Møller, P. (Speaker), Meehan, C. (Speaker) & Hougaard, K. S. (Speaker)

9 Oct 2023

**Developmental toxicity of nanomaterials and potential mechanisms**

Hougaard, K. S. (Invited speaker)

9 Jun 2023

**Nationwide Danish cohorts in EXIMIOUS: Doc\*X and DOC\*X Generation**

Hougaard, K. S. (Speaker), Nielsen, H. B. (Speaker), Sejbæk, C. (Speaker) & Flachs, E. M. (Speaker)

31 May 2023

**JEMs for chemical work environment**

Nielsen, H. B. (Speaker) & Hougaard, K. S. (Speaker)

26 May 2023

**Arbejdsmiljø for gravide**

Hougaard, K. S. (Speaker)

24 May 2023

**Reports on reproductive toxicants in the work environment - EU-OSHA and Danish case study**

Hougaard, K. S. (Invited speaker)

11 May 2023

**Searching for information on chemical reproductive toxicants**

Hougaard, K. S. (Speaker)

27 Apr 2023

**Epigenetics, introduction: How should we regulate exposures in the environment?**

Hougaard, K. S. (Speaker)

26 Apr 2023

**How to read animal experiments - and extrapolate to humans**

Hougaard, K. S. (Speaker)

26 Apr 2023

**Occupational reproductive hazards, part II: Psychosocial strain**

Hougaard, K. S. (Speaker)

26 Apr 2023

**NIVA-kursus: Occupational hazards and reproductive health**

Hougaard, K. S. (Organiser)

25 Apr 2023 → 27 Apr 2023

**IDA Arbejdsmiljø Studenterprisen 2023: Hvem har skrevet årets bedste speciale-, bachelor – eller masteropgave?**

Hougaard, K. S. (Organiser)

21 Mar 2023

**The long-term effects of maternal stress during pregnancy – findings in animal and epidemiological studies**

Hougaard, K. S. (Teacher)

10 Feb 2023

**Reproduktionsskadede kemiske stoffer i det danske arbejdsmiljø**

Hougaard, K. S. (Invited speaker)  
27 Jan 2023

**Do chemicals penetrate human skin? 4th EXIMIOUS Symposium**

Hougaard, K. S. (Organiser), Hoet, P. H. M. (Organiser), Ghosh, M. (Organiser), Lee, W. W. (Organiser), Ciscato, E. R. (Organiser), Huaux, F. (Organiser), Ronsmans, S. (Organiser) & Vogel, U. B. (Organiser)  
26 Jan 2023

**Workshop on CAQ III Project on cabin air quality: Toxicological assessment plan**

Hougaard, K. S. (Invited speaker) & Hadrup, N. (Invited speaker)  
18 Jan 2023

**Reproduktionsskader og arbejdsmiljø: gravides arbejdsmiljø og håndtering heraf. Svejsning og sædkvalitet**

Hougaard, K. S. (Invited speaker)  
12 Dec 2022

**Exposure to reproductive and developmental toxicants at work places: is it still a problem?**

Hougaard, K. S. (Speaker)  
22 Nov 2022

**NIVA webinar: Reproductive and Developmental Health in an Occupational Context**

Hougaard, K. S. (Organiser)  
22 Nov 2022

**Undervisning i Reproductive Toxicology testing**

Hougaard, K. S. (Teacher)  
16 Nov 2022

**Stresspåvirkninger i graviditeten**

Hougaard, K. S. (Invited speaker) & Sejbæk, C. (Speaker)  
4 Nov 2022

**IDA Arbejdsmiljø: Natarbejde, ulykker og helbred**

Hougaard, K. S. (Organiser)  
6 Oct 2022

**Effects of nanoparticles on pregnancy - what could the mechanisms be?**

Hougaard, K. S. (Teacher)  
3 Oct 2022

**Developmental toxicity of manufactured nanomaterials**

Hougaard, K. S. (Invited speaker), Vogel (Speaker) & Jensen (Speaker)  
27 Sept 2022

**Ph.d.-vejledning: Fetal exposure to endocrine disrupting chemicals: mixture effects on health**

Hougaard, K. S. (Supervisor - Ph.d.) & Søgaard Tøttenborg, S. (Supervisor - Ph.d.)  
1 Aug 2022 → 7 Dec 2025

**Ongoing activities and perspectives for toxicology at the NRCWE**

Hougaard, K. S. (Invited speaker)  
21 Apr 2022

**Undervisning i Arbejdsmiljø, reproduktion og lovgivning for gravide i arbejde, Miljøfaktorer, arbejdsmiljø og helbred, Bacheloruddannelsen i Folkesundhedsvidenskab**

Hougaard, K. S. (Teacher)  
7 Mar 2022

**Arbejdsmiljø og reproduktion/reproduktionsskadelige stoffer i arbejdsmiljøet**

Hougaard, K. S. (Invited speaker)  
7 Feb 2022

**Specialevejledning: Combined effects of inhaled welding fumes, tobacco smoke and interactions with western diet on male reproductive function: A study in rats.**

Hougaard, K. S. (Supervisor - Master), Vogel, U. (Supervisor - Master), Hadrup, N. (Supervisor - Master) & Roursgaard, M. (Supervisor - Master)  
1 Feb 2022 → 13 Aug 2022

**Effects of developmental exposure to nanoparticles**

Hougaard, K. S. (Invited speaker)  
17 Jan 2022

**Developmental toxicity of (nano) particles – what could the mechanisms be?**

Hougaard, K. S. (Speaker)  
18 Nov 2021

**Toxicity of particles - mechanisms and effects. DSTF virtual Fall meeting**

Hougaard, K. S. (Organiser)  
18 Nov 2021

**Fortjener gravides kemiske arbejdsmiljø stadig opmærksomhed?**

Hougaard, K. S. (Speaker)  
17 Nov 2021

**Gravides arbejdsmiljø – fravær, risikofaktorer og tilpasning - IDA Arbejdsmiljø**

Hougaard, K. S. (Organiser)  
17 Nov 2021

**Dieselsøg, ny meget lavere grænseværdi**

Hougaard, K. S. (Organiser)  
9 Nov 2021

**Reproductive and developmental toxicity**

Hougaard, K. (Invited speaker)  
21 Oct 2021

**Undervisning i Arbejdsmiljø, reproduktion og lovgivning for gravide i arbejde, Miljøfaktorer, arbejdsmiljø og helbred, Bacheloruddannelsen i Folkesundhedsvidenskab**

Hougaard, K. S. (Teacher)  
5 Oct 2021

**Besøg af studerende fra faget Toxicology and Ecotoxicology på MSc in Environmental Science**

Hougaard, K. S. (Organiser)  
4 Oct 2021

**Effects of nanoparticles on pregnancy and fertility – what could the mechanisms be?**

Hougaard, K. S. (Teacher)

4 Oct 2021

**Foredrag for Studerende fra Environmental Health**

Vogel, U. B. (Speaker), Hougaard, K. (Speaker), Frederiksen, M. (Speaker), Sørlø, J. B. (Speaker) & Jensen, K. (Speaker)  
4 Oct 2021

**Undervisning i Reproductive Toxicology testing**

Hougaard, K. S. (Teacher)  
9 Jun 2021

**Norwegian University of Life Sciences (External organisation)**

Hougaard, K. S. (Member)  
12 May 2021 → 7 Nov 2022

**Sundhedsstyrelsens Rådgivende Videnskabelige Udvalg for Miljø og Sundhed: Temadag om reproduktion**

Hougaard, K. S. (Organiser)  
6 May 2021

**Svejsning og sædkvalitet**

Hougaard, K. S. (Speaker)  
6 May 2021

**Københavns Universitet (External organisation)**

Hougaard, K. S. (Supervisor - Other)  
5 May 2021

**IDA Arbejdsmiljø Studenterpriisen 2021: Hvem har skrevet årets bedste opgave om arbejdsmiljø?**

Hougaard, K. S. (Organiser)  
23 Mar 2021

**Specialevejledning: Preconceptional instillation of carbon black and effects in the mother and offspring**

Hougaard, K. S. (Supervisor - Master), Vogel, U. (Supervisor - Master) & Roursgaard, M. (Supervisor - Master)  
1 Feb 2021 → 1 Jun 2021

**IDA Arbejdsmiljø seminar: Materialer og helbred i nybyggeri og nedrivning: Nye tiltag og redskaber**

Hougaard, K. S. (Organiser)  
15 Dec 2020

**Undervisning i Dyremodeller for studier af reproduktionsskader, på valgfaget Fertilitet og Sundhed, uddannelsen i Folkesundhedsvidenskab**

Hougaard, K. S. (Teacher)  
2 Dec 2020

**Undervisning i Stress og graviditet, på valgfaget Fertilitet og Sundhed, uddannelsen i Folkesundhedsvidenskab**

Hougaard, K. S. (Teacher)  
2 Dec 2020

**Arbejdsmiljø Advisory Board for Dansk Laborant-Forening/HK (External organisation)**

Hougaard, K. S. (Member)  
17 Nov 2020 → ...

**Halfway-review for PhD-education: "Pregnancy and air pollution. Understanding risks in Sweden and Ethiopia" (Division of Occupational and Environmental Medicine, Lund University, Sweden) (Event)**

Hougaard, K. S. (Member)  
6 Nov 2020

**Undervisning i Arbejdsmiljø, reproduktion og lovgivning for gravide i arbejde, Miljøfaktorer, arbejdsmiljø og helbred, Bacheloruddannelsen i Folkesundhedsvidenskab**

Hougaard, K. S. (Teacher)  
20 Oct 2020

**IDA Arbejdsmiljø: Vi skal blive (lidt) længere. Vil vi det? Seniorer og arbejdsmiljø**

Hougaard, K. S. (Organiser)  
30 Sept 2020

**Besøg af studerende fra faget Toxicology and Ecotoxicology på MSc in Environmental Science**

Hougaard, K. S. (Organiser)  
28 Sept 2020

**Effects of nanoparticles on pregnancy and fertility – what could the mechanisms be? Undervisning af studerende fra Toxicology and Ecotoxicology på MSc in Environmental Science**

Hougaard, K. S. (Teacher)  
28 Sept 2020

**EPICOH 2020. From the Workplace to the Population: Exposure and Prevention**

Hougaard, K. S. (Organiser)  
31 Aug 2020 → 3 Sept 2020

**Studenterprisen 2020: Hvem har skrevet årets bedste opgave om arbejdsmiljø?**

Hougaard, K. S. (Organiser)  
26 Mar 2020

**A historical note on on reproduction relative to work and environment**

Hougaard, K. S. (Speaker)  
23 Jan 2020

**Meet your research fellows: Exiting afternoon on occupational and environmental exposures and reproductive health**

Hougaard, K. S. (Organiser)  
23 Jan 2020

**Undervisning i Reproductive Toxicology testing**

Hougaard, K. S. (Teacher)  
5 Jan 2020

**Frontiers in Toxicology, section for Developmental and Reproductive Toxicology (Journal)**

Hougaard, K. S. (Editor)  
12 Nov 2019

**IDA Arbejdsmiljø: Klar til nye regler om APV og kemisk risikovurdering?**

Hougaard, K. S. (Organiser)  
30 Oct 2019

**Sundhedsstyrelsens Rådgivende Udvalg for Miljø og Sundhed. Temadag om astma og høfeber**

Hougaard, K. S. (Organiser)  
17 Oct 2019

**Undervisning i Miljøfaktorer og helbred**

Hougaard, K. S. (Teacher)  
27 Sept 2019

**Developmental effects of particles inhaled in pregnancy**

Hougaard, K. (Speaker)

Jul 2019

**IDA Arbejdsmiljø arrangement om unges arbejdsmiljø**

Hougaard, K. S. (Organiser)

11 Jun 2019

**Undervisning i arbejdsmiljøtoksikologi på postgraduat kursus i anvendt toksikologi**

Hougaard, K. S. (Teacher)

23 Jan 2019

**Undervisning i arbejdsmiljø, stress og graviditet**

Hougaard, K. S. (Participant)

6 Dec 2018

**Undervisning i toksikologisk testning af kemikalier for reproduktionstoksicitet**

Hougaard, K. S. (Participant)

6 Dec 2018

**Hands-on: Risikostyring ved hjælp af Stoffenmanager og hjælp til søgning af viden om kemiske stoffer**

Hougaard, K. S. (Organiser)

3 Dec 2018

**Hvordan finder du viden om kemiske stoffer?**

Hougaard, K. S. (Speaker)

3 Dec 2018

**Støv-udsættelse og effekter i arbejdsmiljøet**

Hougaard, K. S. (Organiser)

30 Oct 2018

**Undervisning i nanopartikler og reproduktionsskader**

Hougaard, K. S. (Participant)

24 Oct 2018

**Opponent ved ph.d.-forsvar for Hanna Körber (Event)**

Hougaard, K. S. (Member)

19 Oct 2018 → 24 Apr 2020

**Undervisning i arbejdsmiljø, reproduktionstoksicitet og lovgivning for gravide**

Hougaard, K. S. (Participant)

3 Oct 2018

**Miljø- og Fødevareministerens arbejdsgruppe om sammenhængen mellem børneleukemi og pesticider (External organisation)**

Hougaard, K. S. (Member)

25 Sept 2018 → 1 Feb 2019

**Ph.d.-vejledning: Adverse health effects following residential high-level exposure to semi-volatile biphenyls in indoor air**

Hougaard, K. S. (Supervisor - Ph.d.) & Søgaard Tøttenborg, S. (Supervisor - Ph.d.)

3 Sept 2018 → 11 Nov 2022

**IDA Arbejdsmiljø: Kræft-fremkaldende stoffer**

Hougaard, K. S. (Organiser)

14 Jun 2018

**Opponent ved ph.d.-forsvar for Ditte Marie Jensen (Event)**

Hougaard, K. S. (Member)

31 May 2018 → 21 Sept 2018

**Multiorgan effects of nanoparticles exposures in pregnancy**

Hougaard, K. S. (Speaker)

30 May 2018

**PPTOX IV Conference**

Hougaard, K. S. (Organiser)

27 May 2018 → 31 May 2018

**Brug af dyrestudier i studiet af reproduktionsskader**

Hougaard, K. S. (Speaker)

14 May 2018

**Dansk Selskab for Farmakologi og Toksikologi (External organisation)**

Hougaard, K. S. (Member)

24 Apr 2018 → ...

**Animal experiments - and extrapolation to humans**

Hougaard, K. S. (Speaker)

18 Apr 2018

**Epigenetics, introduction: (What is it, examples, potential implications, intergenerational transfer)**

Hougaard, K. S. (Speaker)

18 Apr 2018

**Searching for information on chemical reproductive toxicants**

Hougaard, K. S. (Speaker)

18 Apr 2018

**Occupational reproductive hazards: Psychosocial strain**

Hougaard, K. S. (Speaker)

17 Apr 2018

**Occupational hazards and reproductive health**

Hougaard, K. S. (Organiser)

16 Apr 2018 → 19 Apr 2018

**Airway exposure to nanoparticles and effects on plasma testosterone – a study in male mice**

Lauvas, A. J. (Speaker), Hougaard, K. S. (Speaker) & Vogel, U. (Speaker)

13 Mar 2018

**IDA Arbejdsmiljøets bestyrelse (External organisation)**

Hougaard, K. S. (Member)

13 Mar 2018 → ...

**Kemiske risikofaktorer i arbejdsmiljøet. Hvad er vigtigt, hvad er nyt og hvor mangler vi viden??**

Hougaard, K. S. (Speaker)

1 Mar 2018

**Characterization of inflammatory stress transfer between mother and fetus in pregnancy**

Hougaard, K. S. (Supervisor - Ph.d.) & Sandelin, A. G. (Supervisor - Ph.d.)

1 Jan 2018 → 11 Apr 2023

**Risikokommunikation i arbejdsmiljøet**

Hougaard, K. S. (Organiser)

30 Nov 2017

**Kemiske risikofaktorer i arbejdsmiljøet. Hvad er vigtigt, hvad er nyt og hvor mangler vi viden??**

Hougaard, K. S. (Speaker)

24 Nov 2017

**Lufforurening i graviditeten – har det konsekvenser for fostrets nervesystem?**

Hougaard, K. S. (Speaker)

3 Apr 2017

**Temamøde om hjernen og miljøet**

Hougaard, K. S. (Organiser)

3 Apr 2017

**Undervisning i arbejdsmiljøtoksikologi på postgraduat kursus i anvendt toksikologi**

Hougaard, K. S. (Participant)

19 Jan 2017

**Ph.d.-vejledning: Semen quality and biomarkers of male fertility following in-utero exposure to persistent and not persistent environmental toxicants**

Hougaard, K. S. (Supervisor - Ph.d.) & Søgaard Tøttenborg, S. (Supervisor - Ph.d.)

1 Jan 2017 → 1 Jul 2021

**Ph.d.-vejledning: Maternal stress at work and in private life during pregnancy: Implications for development of asthma and other allergic diseases in their children**

Hougaard, K. S. (Supervisor - Ph.d.) & Schlünssen, V. (Supervisor - Ph.d.)

2017 → 2020

**Ph.d.-vejledning: The lung surfactant bioassay for hazard identification of airborne compounds**

Sørli, J. B. (Supervisor - Ph.d.) & Hougaard, K. S. (Supervisor - Ph.d.)

2017 → 2020

**Undervisning i arbejdsmiljøtoksikologi på postgraduat kursus i anvendt toksikologi**

Hougaard, K. S. (Teacher)

21 Nov 2016

**Undervisning i arbejdsmiljø, stress og graviditet**

Hougaard, K. S. (Participant)

2 Nov 2016

**Undervisning i toksikologisk testning af kemikalier for reproduktionstoksicitet**

Hougaard, K. S. (Participant)

2 Nov 2016



**Prenatal exposure to diesel exhaust particles and carbon black**

Hougaard, K. S. (Speaker)

21 Oct 2016

**Genes and nanoparticles**

Hougaard, K. S. (Speaker)

13 May 2016

**Undervisning i arbejdsmiljøtoksikologi på postgraduat kursus i anvendt toksikologi**

Hougaard, K. S. (Participant)

17 Nov 2015

**Sundhedsstyrelsens Rådgivende Videnskabelige Udvalg for Miljø og Sundhed (External organisation)**

Hougaard, K. S. (Member)

9 Nov 2015 → ...

**Arbejdsmiljø og kvindelig reproduktion**

Hougaard, K. S. (Speaker)

22 Oct 2015

**Temamøde om fostre, børn og miljø**

Hougaard, K. S. (Organiser)

22 Oct 2015

**Kvindens Arbejdsmiljø før, nu og fremover**

Hougaard, K. S. (Speaker)

30 Sept 2015

**Seminar i anledning af 100-året for kvinders valgret**

Hougaard, K. S. (Organiser)

30 Sept 2015

**Undervisning i arbejdsmiljø, stress og graviditet**

Hougaard, K. S. (Participant)

26 Mar 2015

**Undervisning i toksikologisk testning af kemikalier for reproduktionstoksicitet**

Hougaard, K. S. (Participant)

26 Mar 2015

**Reproduktionstoksikologi: Arbejdsmiljø og sunde børn**

Hougaard, K. S. (Speaker)

19 Mar 2015

**Epigenetics and chemical safety at work: developmental nanotoxicity as an example**

Hougaard, K. S. (Speaker)

11 Mar 2015

**Helbredsoplysningsrådet (External organisation)**

Hougaard, K. S. (Member)

1 Dec 2009 → ...

**Giftstoffer - til hverdag og specielle lejligheder**

Hougaard, K. S. (Speaker)

Apr 2008

**Reproduktion og arbejde**

Hougaard, K. S. (Speaker)  
Apr 2008

**Research in developmental toxicology at NRCWE**

Hougaard, K. S. (Speaker)  
Mar 2008

**Persistente stoffer og risici ifm reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)  
Feb 2008

**Persistente stoffer og risici ifm reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)  
Feb 2008

**Persistente stoffer og risici ifm reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)  
Feb 2008

**Baggrundsincidensen af eksterne og viscerale kongenitale misdannelser hos Göttingen minigrise**

Hougaard, K. S. (Participant)  
Jan 2008

**Giftstoffer til hverdag og specielle lejligheder**

Hougaard, K. S. (Speaker)  
2008

**Journal Club i Reproduktion og Fosterudvikling for Ph.D-studerende ved Aarhus Universitet**

Hougaard, K. S. (Participant)  
2008 → 2018

**Miljøfaktorer og helbred**

Hougaard, K. S. (Speaker)  
2008

**Datakilder i toksikologi**

Hougaard, K. S. (Speaker)  
Nov 2007

**Toksikologi for arbejdsmiljøet**

Hougaard, K. S. (Speaker)  
Nov 2007

**Effects of prenatal exposure to diesel exhaust particles**

Hougaard, K. S. (Speaker)  
Jun 2007

**Databasesøgninger (forelæsning)**

Hougaard, K. S. (Speaker)  
May 2007

**Databasesøgninger (forelæsning)**

Hougaard, K. S. (Speaker)

May 2007

**Prænatal udsættelse for dieselpartikler**

Hougaard, K. S. (Speaker)

May 2007

**CNS structural and functional development**

Hougaard, K. S. (Speaker)

Apr 2007

**Persistente stoffer og risici i forbindelse med reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)

Apr 2007

**Evnen til at få børn hos kvindelige frisører**

Hougaard, K. S. (Speaker)

Mar 2007

**Evnen til at få børn hos kvindelige frisører**

Hougaard, K. S. (Speaker)

Mar 2007

**Persistente stoffer og risici i forbindelse med reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)

30 Jan 2007

**Persistente stoffer og risici i forbindelse med reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)

30 Jan 2007

**Persistente stoffer og risici i forbindelse med reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)

29 Jan 2007

**Prenatal stress may increase vulnerability to life events**

Hougaard, K. S. (Speaker)

Nov 2006

**Toksikologi i arbejdsmiljøet**

Hougaard, K. S. (Speaker)

Nov 2006

**Gratis toksikologiske databaser på internettet**

Hougaard, K. S. (Speaker)

Oct 2006

**Reproduktionstoksikologi**

Hougaard, K. S. (Speaker)

Oct 2006

**Toxicology in occupational health**

Hougaard, K. S. (Speaker)

Oct 2006

**Persistente stoffer og risici i forbindelse med reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)

29 Aug 2006

**Persistente stoffer og risici i forbindelse med reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)

29 Aug 2006

**Persistente stoffer og risici i forbindelse med reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)

28 Aug 2006

**Øvelser i søgning i toksikologiske databaser**

Hougaard, K. S. (Speaker)

May 2006

**Søgning i toksikologiske databaser**

Hougaard, K. S. (Speaker)

May 2006

**Miljøet i relation til reproduktion - persistente stoffer**

Hougaard, K. S. (Speaker)

Apr 2006

**Prenatal stress may increase vulnerability to life events**

Hougaard, K. S. (Speaker)

Apr 2006

**Persistente stoffer og risici i forbindelse med reproduktion, graviditet og amning**

Hougaard, K. S. (Speaker)

Jan 2006

**Toxicology in occupational health**

Hougaard, K. S. (Speaker)

Oct 2005

**Workshop in setting of occupational exposure levels**

Hougaard, K. S. (Speaker)

Oct 2005

**Group work: how to set OELs**

Hougaard, K. S. (Speaker)

Sept 2005

**Information retrieval on occupational toxicology**

Hougaard, K. S. (Speaker)

Sept 2005

**Reproductive toxicology**

Hougaard, K. S. (Speaker)

Sept 2005

**Miljøet i relation til reproduktion - persistente stoffer**

Hougaard, K. S. (Speaker)

Aug 2005

**Miljøet i relation til reproduktion - persistente stoffer**

Hougaard, K. S. (Speaker)

14 Feb 2005

**Miljøet i relation til reproduktion - persistente stoffer**

Hougaard, K. S. (Speaker)

14 Feb 2005

**Miljøet i relation til reproduktion - persistente stoffer**

Hougaard, K. S. (Speaker)

3 Feb 2005

**Miljøet i relation til reproduktion - persistente stoffer**

Hougaard, K. S. (Speaker)

1 Feb 2005

**Toksikologien - vor tids giftkyndige**

Hougaard, K. S. (Speaker)

Jan 2005

**Datasøgning (Eksaminatorietimer)**

Hougaard, K. S. (Speaker)

Nov 2004

**Datasøgning (forelæsning)**

Hougaard, K. S. (Speaker)

Nov 2004

**Gratis toksikologiske databaser på internettet**

Hougaard, K. S. (Speaker)

Nov 2004

**Reproduktionstoksikologi**

Hougaard, K. S. (Speaker)

Nov 2004

**Persistente stoffer i miljøet og reproduktion**

Hougaard, K. S. (Speaker)

Sept 2004

**Persistente stoffer i miljøet og reproduktion**

Hougaard, K. S. (Speaker)

Sept 2004

**Persistente stoffer i miljøet og reproduktion**

Hougaard, K. S. (Speaker)

Sept 2004

**Støj, stress og helbred**

Hougaard, K. S. (Speaker)

Jun 2004

**Støj, stress og helbred**

Hougaard, K. S. (Speaker)  
Jun 2004

**Effekter af stress i fostertilstanden**

Hougaard, K. S. (Participant)  
May 2004

**Gratis toksikologiske databaser på internettet**

Hougaard, K. S. (Speaker)  
May 2004

**Reproduktionstoksikologi**

Hougaard, K. S. (Speaker)  
May 2004

**Persistente stoffer i miljøet og reproduktion**

Hougaard, K. S. (Speaker)  
Feb 2004

**Persistente stoffer i miljøet og reproduktion**

Hougaard, K. S. (Speaker)  
Feb 2004

**European union topic - Center for good practice (External organisation)**

Hougaard, K. S. (Member)  
1 Jan 2004

**Nordisk ekspertgruppe (NEG) (External organisation)**

Hougaard, K. S. (Member)  
2004

**Reproduktionstoksikologi**

Hougaard, K. S. (Speaker)  
18 Nov 2003

**Toksikologi på internettet**

Hougaard, K. S. (Speaker)  
14 Nov 2003

**AKAs arbejdsstrategi på toksikologiområdet**

Hougaard, K. S. (Speaker)  
8 Oct 2003

**Introduktion til brug af toksikologiske databaser**

Hougaard, K. S. (Speaker)  
Sept 2003

**Persistente stoffer i miljøet og reproduktion**

Hougaard, K. S. (Speaker)  
Sept 2003

**Persistente stoffer i miljøet og reproduktion**

Hougaard, K. S. (Speaker)

Sept 2003

**Persistente stoffer i miljøet og reproduktion**

Hougaard, K. S. (Speaker)

Sept 2003

**Sampilseffekter mellem psyko-sociale og kemiske påvirkninger i arbejdsmiljøet**

Hougaard, K. S. (Speaker)

Sept 2003

**Reproduktionstoksikologi**

Hougaard, K. S. (Speaker)

10 Apr 2003

**Toksikologiske databaser på internettet**

Hougaard, K. S. (Speaker)

Apr 2003

**Reproduktionstoksikologi**

Hougaard, K. S. (Speaker)

5 Mar 2003

**Toksikologiske databaser på internettet**

Hougaard, K. S. (Speaker)

5 Mar 2003

**Toksikologiske databaser**

Hougaard, K. S. (Speaker)

Feb 2003

**Toksikologi på internettet**

Hougaard, K. S. (Speaker)

14 Oct 2002

**Neurobehavioral teratology of maternal stress in combination to exposure to toluene**

Hougaard, K. S. (Speaker)

2002

**The possible role of occupational institutions and services related to chemical safety**

Hougaard, K. S. (Participant)

May 2001

**Forslag til kriterium for hudmarkering**

Hougaard, K. S. (Speaker)

2001

**Formation of strong airway irritants in terpene/ozone mixtures**

Hougaard, K. S. (Speaker)

13 Aug 1999

**Dannelse af stærke luftvejsirriteranter i modelblandinger af terpenener og ozon**

Hougaard, K. S. (Speaker)

1998

**Den sensoriske effekt af terpener hhv. ozon i indeklimaet**

Hougaard, K. S. (Speaker)  
1998

**Developmental neurotoxicity: Evaluation of learning and memory using the Morris water maze**

Hougaard, K. S. (Speaker)  
1998

**Indoor air chemistry: Enhanced airway irritation by (+)-alpha-pinene/ozone mixtures**

Hougaard, K. S. (Speaker)  
1998

**Inhalation exposure in developmental neurotoxicity testing, Presentation at the Third Network Meeting for the Nordic Cooperation in Ecotoxicology and Toxicology, May, Denmark.**

Hougaard, K. S. (Participant)  
1998

**Toluene causes developmental neurotoxicity in rats.**

Hougaard, K. S. (Speaker)  
1998

## Projects

**An alternative method for testing acute inhalation toxicity of pesticides**

Sørli, J. B. (Project Manager), Hougaard, K. S. (Project Manager) & Da Silva, E. (Project Manager)  
01/04/2019 → 30/06/2022

**Baggrundsnotat om reproduktionsskader i DK**

Hougaard, K. S. (Project Manager)  
10/05/2022 → 31/01/2023

**Cabin air quality assessment of long-term effects of contaminants**

Hougaard, K. S. (Project Manager), Saber, A. T. (Project Participant), Gutierrez, C. A. T. (Project Participant), Gülen, H. (Project Participant), Frydendall, K. B. (Project Participant), Rothmann, M. H. (Project Participant), Gejsing, T. (Project Participant), Vogel, U. B. (Project Participant) & Hadrup, N. (Project Participant)  
01/02/2022 → 24/11/2024

**Danish NanoSafety Centre**

Vogel, U. B. (Project Manager), Hougaard, K. S. (Project Participant), Frederiksen, M. (Project Participant), Clausen, P. A. (Project Participant), Saber, A. T. (Project Participant), Berthing, T. (Project Participant), Jacobsen, N. R. (Project Participant), Jensen, K. A. (Project Participant), Mortensen, A. (Project Participant), Poulsen, S. S. (Project Participant), Koivisto, A. J. (Project Participant), Jensen, A. C. Ø. (Project Participant), Brostrøm, A. (Project Participant), Skovmand, A. (Project Participant), Andersen, M. H. G. (Project Participant) & Koivisto, J. M. (Project Participant)  
01/05/2016 → 31/08/2019

**Doc-X generation - en national fødselskohorte**

Hougaard, K. S. (Project Manager), Rugulies, R. (Project Participant) & Madsen, I. E. H. (Project Manager)  
01/01/2019 → 31/12/2021

**EN -Arvelige mutationer efter prænatal udsættelse for nanopartikler (Phd Anne Mette Zenner Boisen)**

Hougaard, K. S. (Project Manager)  
01/01/2009 → 31/12/2010



### **EN -Med mor på Job**

Hougaard, K. S. (Project Manager), Larsen, A. D. (Project Participant), Sejbæk, C. S. (Project Participant), Bay, H. (Project Participant) & Hougaard, K. S. (Project Participant)  
01/06/2015 → 31/12/2018

### **EN -MINERVA Arbejds miljø og reproduktion**

Hougaard, K. S. (Project Manager)  
01/01/2008 → 31/12/2014

### **EN -Prænatal stress og allergi**

Schlünssen, V. (Project Manager), Bay, H. (Project Participant), Madsen, K. P. (Project Participant), Hougaard, K. S. (Project Participant), Sejbæk, C. S. (Project Participant) & Pedersen, L. R. M. (Project Participant)  
01/01/2016 → 31/12/2019

### **EN -Stress i fostertilstanden som risikofaktor for psykiske lidelser**

Hougaard, K. S. (Project Manager)  
01/10/2007 → 31/12/2010

### **FFIKA: Forny et fokus på forskning i kemisk arbejdsmiljø**

Vogel, U. B. (Project Manager), Jensen, K. A. (Project Participant), Jensen, A. C. Ø. (Project Participant), Berthing, T. (Project Participant), Andersen, M. H. G. (Project Participant), Hougaard, K. S. (Project Participant), Clausen, P. A. (Project Participant), Frederiksen, M. (Project Participant), Mortensen, A. (Project Participant), Saber, A. T. (Project Participant), Jacobsen, N. R. (Project Participant), Akhtar, Y. (Project Participant), Asp, A.-K. (Project Participant), Abildtrup, A. (Project Participant), Tegner, U. (Project Participant), Terrida, E. B. (Project Participant), Guldbrandsen, M. (Project Participant), Kembouche, Y. (Project Participant), Kofoed-Sørensen, V. (Project Participant), Nielsen, S. H. (Project Participant), Sahlgren, N. M. (Project Participant), Fonseca, A. S. (Project Participant), Danielsen, P. H. (Project Participant), Sørli, J. B. (Project Participant), Hadrup, N. (Project Participant), Ardenkjær-Skinnerup, J. (Project Participant), Nøjgaard, J. N. K. (Project Participant), Jørgensen, A. K. (Project Participant), Gutierrez, C. A. T. (Project Participant) & Brostrøm, A. (Project Participant)  
01/01/2020 → 31/12/2026

### **Forny et Fokus på Kemisk Arbejds miljø 2**

Vogel, U. B. (Project Manager), Hougaard, K. S. (Project Manager), Madsen, A. M. (Project Manager), Andrup, L. (Project Manager), Hadrup, N. (Project Manager), Sørli, J. B. (Project Manager), Saber, A. T. (Project Manager), Nøjgaard, J. N. K. (Project Participant), Frederiksen, M. (Project Manager), Jensen, K. A. (Project Manager), Brostrøm, A. (Project Participant), Fonseca, A. S. (Project Manager), Danielsen, P. H. (Project Participant), Berthing, T. (Project Participant), Mortensen, A. (Project Participant), Terrida, E. B. (Project Participant), Guldbrandsen, M. (Project Participant), Kines, P. (Project Participant), Kofoed-Sørensen, V. (Project Participant), Jensen, S. P. (Project Participant), Kembouche, Y. (Project Participant), Polat, M. (Project Participant), Kofoed, V. C. (Project Participant), Sengupta, S. (Project Participant), Sundberg, M. (Project Participant), Rothmann, M. H. (Project Participant), Hammel, S. C. (Project Participant), Frederiksen, M. W. (Project Participant) & Gülen, H. (Project Participant)  
30/03/2023 → 31/12/2026

### **FWC ECHA/2015/50 - Lot 1 - SR 16**

Hougaard, K. S. (Project Manager)  
01/08/2019 → 31/05/2020

### **Gravid på arbejde - har kvinders job og branche betydning for graviditet og fosterudvikling?**

Hougaard, K. S. (Project Manager), Hannerz, H. (Project Participant) & Nielsen, H. B. (Project Participant)  
01/12/2022 → 31/12/2025

### **inflammatory stress transfer mother and fetus**

Hougaard, K. S. (Project Manager), Hansen, S. S. K. (Project Participant) & Sejbæk, C. S. (Project Participant)  
01/01/2018 → 31/12/2022

### **EXIMIOUS: Mapping exposures-induced immune effects: connecting the exposome and the immunome**

Hougaard, K. S. (Project Manager), Sejbæk, C. S. (Project Participant), Madsen, A. M. (Project Participant), Vogel, U. B. (Project Participant), Rasmussen, P. U. (Project Participant) & Nielsen, H. B. (Project Participant)

16/12/2019 → 16/12/2024

**NanoPack: NANOPACK - Experimental Production of nanobased antibacterial food packaging**

Hougaard, K. S. (Project Manager), Vogel, U. B. (Project Manager) & Barfod, K. K. (Project Participant)  
01/01/2017 → 31/12/2019

**Pulmonary surfactant inhibition by impregnation products**

Sørli, J. B. (Project Manager), Abildtrup, A. (Project Participant), Terrida, E. B. (Project Participant), Hansen, J. S. (Project Participant), Hougaard, K. S. (Project Participant), Guldbrandsen, M. (Project Participant), Nielsen, S. H. (Project Participant), Larsen, S. T. (Project Participant) & Huang, Y. (Project Participant)  
01/07/2015 → 30/06/2016

**Spray products, chemical substances and asthma in the cleaning industry**

Frederiksen, M. (Project Manager), Clausen, P. A. (Project Participant), Sejbæk, C. S. (Project Participant), Sørli, J. B. (Project Participant), Hougaard, K. S. (Project Participant), Schlünssen, V. (Project Participant), Frydendall, K. B. (Project Participant), Wolkoff, P. (Project Participant), Kofoed-Sørensen, V. (Project Participant), Meyer, H. W. (Project Participant) & Meulengracht Flachs, E. (Project Participant)  
01/02/2018 → 31/07/2021

**Udsættelse for erhvervsstøj og andre stressfaktorer og risiko for sygdom i den danske arbejdsstyrke**

Hougaard, K. S. (Project Participant) & Sørensen, M. (Project Manager)  
01/01/2024 → 31/12/2026

**UPS: Udsættelse for PCB ved nedrivnings- og saneringsarbejde**

Frederiksen, M. (Project Manager), Hammel, S. C. (Project Participant), Kofoed-Sørensen, V. (Project Participant), Tegner, U. (Project Participant), Hougaard, K. S. (Project Participant), Kines, P. (Project Participant) & Jensen, K. A. (Project Participant)  
01/11/2020 → 31/12/2024

**Udsættelse for skadelig kemi i nedriverbranchen**

Frederiksen, M. (Project Manager), Jensen, K. A. (Project Participant), Schlünssen, V. (Project Participant), Kines, P. (Project Participant), Hougaard, K. S. (Project Participant), Clausen, P. A. (Project Participant), Hammel, S. C. (Project Participant), Tegner, U. (Project Participant), Kofoed-Sørensen, V. (Project Participant), Fonseca, A. S. (Project Participant) & Brostrøm, A. (Project Participant)  
01/05/2019 → 31/12/2023