

Martin Roursgaard
Lektor, Afdelingsleder
Afdeling for Miljø og Sundhed
Postadresse:
Øster Farimagsgade 5, 1014 København K, 05 Øster Farimagsgade 5
05-2-12
Danmark
E-mail: mwro@sund.ku.dk
Telefon: +4535327989
Hjemmeside: <http://www.ifsv.ku.dk/>
Web: <https://www.ifsv.ku.dk/afdelinger/ms/>



Kort præsentation

Forskningsfelt

Mit primære forsknings område består i at udvikle assays til at undersøge toksikologiske effekter af partikler. Mine studier har bragt mig vidt omkring indenfor såvel *in vivo* som *in vitro* toksikologi, med fokus på nanomedicin, nanopartikler, mikroplastik og nanoplastik.

Nuværende forskning

Fokus for min nuværende forskning er primært udvikling og optimering af cellebaserede assays, hvor formålet er at undersøge celle-celle interaktioner og teste, om man kan få mere eller bedre information ud af at blande forskellige typer af celler i en co-kultur. Testsystemerne bruges til at undersøge toksikologiske effekter af forskellige typer forbrændingspartikler, hovedsagelig fokuseret på luftforureningspartikler i form af dieselpartikler, men også på brænderøgspartikler og andre typer af nanopartikler som f.eks. nanoplastik og mikroplastik. Mine primære interesser er interaktionen mellem partikler og celler, samt sammenhængen mellem partikel induceret oxidativt stress og inflammation samt DNA skader i cellerne.

Key words

Partikel toksikologi

Nanopartikler

Nanoplastik

Mikroplastik

Nanomedicin

co-kulturer

Oxidativt stress

DNA skader

Celle-celle interaktioner

Celle-partikel interaktioner

Pulmonære effekter

Kardiovaskulære effekter

Ansættelse

Lektor

Afdeling for Miljø og Sundhed
Københavns Universitet
København K
13 jul. 2009 → nu

Postdoc

Institut for Folkesundhedsvidenskab
Københavns Universitet
København K, Danmark
13 jul. 2009 → 12 mar. 2012

Adjunkt

Institut for Folkesundhedsvidenskab
Københavns Universitet
København K, Danmark
13 mar. 2012 → 30 jun. 2015

Publikationer

Acute phase response following pulmonary exposure to soluble and insoluble metal oxide nanomaterials in mice

Torero Gutierrez, Claudia Andrea, Loizides, C., Hafez, I., Brostrøm, A., Wolff, H., Szarek, J., Berthing, T., Mortensen, A., Jensen, K. A., Roursgaard, Martin, Saber, A. T., Møller, Peter, Biskos, G. & Vogel, U., 2023, I: Particle and Fibre Toxicology. 20, 1, 25 s., 4.

Comparison of acute phase response in mice after inhalation and intratracheal instillation of molybdenum disulphide and tungsten particles

Torero Gutierrez, Claudia Andrea, Loizides, C., Hafez, I., Biskos, G., Loeschner, K., Brostrøm, A., Roursgaard, Martin, Saber, A. T., Møller, P., Sørlø, J. B., Hadrup, N. & Vogel, U., 2023, I: Basic & clinical pharmacology & toxicology. 133, 3, s. 265-278 14 s.

Exposure to nanoplastic particles and DNA damage in mammalian cells

Møller, Peter & Roursgaard, Martin, 2023, I: Mutation Research - Reviews in Mutation Research. 792, 15 s., 108468.

Genotoxicity by rapeseed methyl ester and hydrogenated vegetable oil combustion exhaust products in lung epithelial (A549) cells

Rothmann, M. H., Møller, Peter, Essig, Y. J., Gren, L., Malmborg, V. B., Tunér, M., Pagels, J., Kraus, A. M. & Roursgaard, Martin, 2023, I: Mutagenesis. 38, 4, s. 238-249 12 s.

Nanoplastics from ground polyethylene terephthalate food containers: Genotoxicity in human lung epithelial A549 cells

Alzaben, M., Burve, R., Loeschner, K., Møller, P. & Roursgaard, Martin, 2023, I: Mutation Research - Genetic Toxicology and Environmental Mutagenesis. 892, 9 s., 503705.

Pleural inflammatory response, mesothelin content and DNA damage in mice at one-year after intra-pleural carbon nanotube administration

Wils, Regitze Sølling, Jacobsen, N. R., Vogel, U., Roursgaard, Martin, Jensen, Annie & Møller, P., 2023, I: Toxicology. 499, 10 s., 153662.

Cell medium-dependent dynamic modulation of size and structural transformations of binary phospholipid/ ω -3 fatty acid liquid crystalline nano-self-assemblies: Implications in interpretation of cell uptake studies

Bor, G., Salentinig, S., Şahin, E., Nur Ödevci, B., Roursgaard, Martin, Liccardo, L., Hamerlik, P., Moghimi, S. M. & Yagmur, Anan, 2022, I: Journal of Colloid and Interface Science. 606, s. 464-479 16 s.

Genotoxicity of Particles From Grinded Plastic Items in Caco-2 and HepG2 Cells

Roursgaard, Martin, Hezareh Rothmann, M., Schulte, J., Karadimou, I., Marinelli, E. & Møller, P., 2022, I: *Frontiers in Public Health*. 10, 15 s., 906430.

Biomarkers of DNA Oxidation Products: Links to Exposure and Disease in Public Health Studies

Møller, Peter & Roursgaard, Martin, 2021, I: *Chemical Research in Toxicology*. 34, s. 2235–2250 16 s.

Genotoxicity of multi-walled carbon nanotube reference materials in mammalian cells and animals

Møller, Peter, Wils, Regitze Sølling, di Ianni, Emilio, Torero Gutierrez, Claudia Andrea, Roursgaard, Martin & Jacobsen, N. R., 2021, I: *Mutation Research - Reviews*. 788, 108393.

Inflammatory Response, Reactive Oxygen Species Production and DNA Damage in Mice After Intrapleural Exposure to Carbon Nanotubes

Wils, Regitze Sølling, Jacobsen, N. R., Vogel, U., Roursgaard, Martin & Møller, Peter, 2021, I: *Toxicological Sciences*. 183, 1, s. 184-194 11 s.

Inhalation of hydrogenated vegetable oil combustion exhaust and genotoxicity responses in humans

Scholten, R. H., Essig, Y. J., Roursgaard, Martin, Jensen, Annie, Krais, A. M., Gren, L., Dierschke, K., Gudmundsson, A., Wierzbicka, A. & Møller, Peter, 2021, I: *Archives of Toxicology*. 95, s. 3407–3416 10 s.

Reactive oxygen species production, genotoxicity and telomere length in FE1-Muta (TM) Mouse lung epithelial cells exposed to carbon nanotubes

Wils, Regitze Sølling, Jacobsen, N. R., di Ianni, Emilio, Roursgaard, Martin & Møller, Peter, 2021, I: *Nanotoxicology*. 15, 5, s. 661-672 12 s.

Simultaneous Cross-Linking and Cross-Polymerization of Enzyme Responsive Polyethylene Glycol Nanogels in Confined Aqueous Droplets for Reduction of Low-Density Lipoprotein Oxidation

Basak, S., Khare, Harshvardhan, Roursgaard, Martin, Kempen, P. J., Lee, J. H., Bazban-Shotorbani, S., Kraemer, M., Chernyy, S., Andresen, T. L., Almdal, K. & Kamaly, N., 2021, I: *Biomacromolecules*. 22, 2, s. 386-398 13 s.

Assessment of reactive oxygen species production and genotoxicity of rare earth mining dust: Implications for public health and mining management

Tian, S., Li, K., Møller, P., Ying, S. C., Wang, L., Li, Z., Roursgaard, Martin & Liang, T., 2020, I: *Science of the Total Environment*. 740, 139759.

Effect of combustion-derived particles on genotoxicity and telomere length: A study on human cells and exposed populations

Ma, Y., Bellini, N., Scholten, R. H., Andersen, M. H. G., Vogel, U., Saber, A. T., Loft, Steffen, Møller, Peter & Roursgaard, Martin, 2020, I: *Toxicology Letters*. 322, s. 20-31 12 s.

Inflammation, oxidative stress and genotoxicity responses to biodiesel emissions in cultured mammalian cells and animals

Møller, Peter, Scholten, R. H., Roursgaard, Martin & Krais, A. M., 2020, I: *Critical Reviews in Toxicology*. 50, 5, s. 383-401 19 s.

Airway exposure to TiO₂ 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, Martin, Goericke-Pesch, S., Vogel, U. & Hougaard, Karin Sørig, 2019, I: *Reproductive Toxicology*. 90, s. 134-140 7 s.

Breast Milk-Derived Extracellular Vesicles Enriched in Exosomes From Mothers With Type 1 Diabetes Contain Aberrant Levels of microRNAs

Mirza, A. H., Kaur, S., Nielsen, L. B., Størling, J., Yarani, R., Roursgaard, Martin, Mathiesen, Elisabeth, Damm, Peter, Svare, J., Mortensen, H. B. & Pociot, Flemming, 2019, I: *Frontiers in Immunology*. 10, s. 2543

Exposure to Air Pollution inside Electric and Diesel-Powered Passenger Trains

Andersen, M. H. G., Johannesson, S., Fonseca, A. S., Clausen, P. A., Saber, A. T., Roursgaard, Martin, Loeschner, K., Koponen, I. K., Loft, Steffen, Vogel, U. & Møller, Peter, 2019, I: *Environmental Science & Technology*. 53, 8, s. 4579-4587 9 s.

Health effects of exposure to diesel exhaust in diesel-powered trains

Andersen, M. H. G., Frederiksen, M., Saber, A. T., Wils, Regitze Sølling, Fonseca, A. S., Koponen, I. K., Johannesson, S., Roursgaard, Martin, Loft, Steffen, Møller, Peter & Vogel, U., 2019, I: Particle and Fibre Toxicology. 16, 14 s., 21.

Telomere shortening and aortic plaque progression in Apolipoprotein E knockout mice after pulmonary exposure to candle light combustion particles

Gouveia, A. C. D., Skovman, A., Jensen, Annie, Koponen, I. K., Loft, Steffen, Roursgaard, Martin & Møller, Peter, 17 sep. 2018, I: Mutagenesis. 33, 3, s. 253-261 9 s.

Vasomotor function in rat arteries after ex vivo and intragastric exposure to food-grade titanium dioxide and vegetable carbon particles

Jensen, Ditte Marie, Christophersen, D. V., Sheykhzade, Majid, Skovsted, Gry Freja, Lykkesfeldt, Jens, Münter, R., Roursgaard, Martin, Loft, Steffen & Møller, Peter, 26 feb. 2018, I: Particle and Fibre Toxicology. 15, s. 1-18 12.

Searching for assay controls for the Fpg- and hOGG1-modified comet assay

Møller, Peter, Jantzen, K., Løhr, M., Andersen, M. H., Jensen, Ditte Marie, Roursgaard, Martin, Danielsen, P. H., Jensen, Annie & Loft, Steffen, 24 feb. 2018, I: Mutagenesis. 33, 1, s. 9-19 11 s.

Inhalation of House Dust and Ozone Alters Systemic Levels of Endothelial Progenitor Cells, Oxidative Stress, and Inflammation in Elderly Subjects

Jantzen, K., Jensen, Annie, Kermanizadeh, A., Elholm, G., Sigsgaard, T., Møller, Peter, Roursgaard, Martin & Loft, Steffen, 2018, I: Toxicological Sciences. 163, 2, s. 353-363 11 s.

Neurotensin, substance P, and insulin enhance cell migration

Mouritzen, M. V., Abourayale, S., Ejaz, R., Ardon, C. B., Carvalho, E., Dalgaard, L. T., Roursgaard, Martin & Jenssen, H., 2018, I: Journal of Peptide Science. 24, 7, 10 s., e3093.

Telomere dynamics and cellular senescence: an emerging field in environmental and occupational toxicology

Møller, Peter, Wils, Regitze Sølling, Jensen, Ditte Marie, Andersen, M. H. G. & Roursgaard, Martin, 2018, I: Critical Reviews in Toxicology. 48, 9, s. 761-788 28 s.

Hepatic toxicity assessment of cationic liposome exposure in healthy and chronic alcohol fed mice

Kermanizadeh, A., Jacobsen, N. R., Roursgaard, Martin, Loft, Steffen & Møller, Peter, nov. 2017, I: Heliyon. 3, 11, s. 1-21 21 s., e00458.

Lung inflammation and genotoxicity in mice lungs after pulmonary exposure to candle light combustion particles

Skovmand, A., Damiao Gouveia, A. C., Koponen, I. K., Møller, Peter, Loft, Steffen & Roursgaard, Martin, 5 jul. 2017, I: Toxicology Letters. 276, s. 31-38 8 s.

Hepatic Hazard Assessment of Silver Nanoparticle Exposure in Healthy and Chronically Alcohol Fed Mice

Kermanizadeh, A., Jacobsen, N. R., Roursgaard, Martin, Loft, Steffen & Møller, Peter, jul. 2017, I: Toxicological Sciences. 158, 1, s. 176-187 12 s.

Repair activity of oxidatively damaged DNA and telomere length in human lung epithelial cells after exposure to multi-walled carbon nanotubes

Borghini, A., Roursgaard, Martin, Andreassi, M. G., Kermanizadeh, A. & Møller, Peter, jan. 2017, I: Mutagenesis. 32, 1, s. 173-180 8 s.

Assessment of evidence for nanosized titanium dioxide-generated DNA strand breaks and oxidatively damaged DNA in cells and animal models

Møller, Peter, Jensen, Ditte Marie, Wils, Regitze Sølling, Guerra Andersen, M. H., Danielsen, P. H. & Roursgaard, Martin, 2017, I: Nanotoxicology. 11, 9-10, s. 1237-1256 20 s.

Different effects of anthocyanins and phenolic acids from wild blueberry (*Vaccinium angustifolium*) on monocytes adhesion to endothelial cells in a TNF- α stimulated proinflammatory environment

Del Bo', C., Roursgaard, Martin, Porrini, M., Loft, Steffen, Møller, Peter & Riso, P., nov. 2016, I: *Molecular Nutrition & Food Research*. 60, 11, s. 2355–2366 12 s.

***In vitro* toxicity of cationic micelles and liposomes in cultured human hepatocyte (HepG2) and lung epithelial (A549) cell lines**

Roursgaard, Martin, Knudsen, K. B., Northeved, H., Persson, M., Christensen, T., Kumar, P. E. K., Permin, A., Andresen, T. L., Gjetting, T., Lykkesfeldt, Jens, Vesterdal, L. K., Loft, Steffen & Møller, Peter, okt. 2016, I: *Toxicology in Vitro*. 36, s. 164-171 8 s.

Cardiovascular health effects of oral and pulmonary exposure to multi-walled carbon nanotubes in ApoE-deficient mice

Christophersen, D. V., Raun Jacobsen, N., Guerra Andersen, M. H., Connell, S. P., Barfod, K. K., Thomsen, Morten Bækgaard, Miller, M. R., Duffin, R., Lykkesfeldt, Jens, Vogel, U. B., Wallin, E. H. R., Loft, Steffen, Roursgaard, Martin & Møller, Peter, 14 sep. 2016, I: *Toxicology*. 371, s. 29-40 12 s.

Atherosclerosis and vasomotor dysfunction in arteries of animals after exposure to combustion-derived particulate matter or nanomaterials

Møller, Peter, Christophersen, D. V., Raun Jacobsen, N., Skovmand, A., Gouveia, A. C. D., Guerra Andersen, M. H., Kermanizadeh, A., Jensen, Ditte Marie, Danielsen, P. H., Roursgaard, Martin, Jantzen, K. & Loft, Steffen, maj 2016, I: *Critical Reviews in Toxicology*. 46, 5, s. 437-476 40 s.

Anthocyanins and phenolic acids from a wild blueberry (*Vaccinium angustifolium*) powder counteract lipid accumulation in THP-1-derived macrophages

Del Bo', C., Cao, Y., Roursgaard, Martin, Riso, P., Porrini, M., Loft, Steffen & Møller, Peter, feb. 2016, I: *European Journal of Nutrition*. 55, 1, s. 171-182 12 s.

Monocyte adhesion induced by multi-walled carbon nanotubes and palmitic acid in endothelial cells and alveolar-endothelial co-cultures

Cao, Y., Roursgaard, Martin, Jacobsen, N. R., Møller, Peter & Loft, Steffen, 2016, I: *Nanotoxicology*. 10, 2, s. 235-244

Automobile diesel exhaust particles induce lipid droplet formation in macrophages *in vitro*

Cao, Y., Jantzen, K., Gouveia, A. C. D., Skovmand, A., Roursgaard, Martin, Loft, Steffen & Møller, Peter, 9 jun. 2015, I: *Environmental Toxicology and Pharmacology*. 40, 1, s. 164-171 8 s.

Measurement of oxidative damage to DNA in nanomaterial exposed cells and animals

Møller, Peter, Jensen, Ditte Marie, Christophersen, D. V., Kermanizadeh, A., Jacobsen, N. R., Hemmingsen, J. G., Danielsen, P. H., Karotki, D. G., Roursgaard, Martin, Cao, Y., Jantzen, K., Klingberg, H., Hersoug, L. & Loft, Steffen, mar. 2015, I: *Environmental and Molecular Mutagenesis*. 56, 2, s. 97-110 14 s.

Polyethylenimine architecture-dependent metabolic imprints and perturbation of cellular redox homeostasis

Hall, A., Parhamifar, L., Lange, M. K., Meyle, K. D., Sanderhoff, M., Andersen, H., Roursgaard, Martin, Larsen, A. K., Jensen, P. B., Christensen, C., Bartek, J. & Moghimi, S. M., mar. 2015, I: *BBA - Bioenergetics*. 1847, 3, s. 328-42 15 s.

***In vivo* toxicity of cationic micelles and liposomes**

Knudsen, K. B., Northeved, H., Kumar Ek, P., Permin, A., Gjetting, T., Andresen, T. L., Larsen, S., Wegener, K. M., Lykkesfeldt, Jens, Jantzen, K., Loft, Steffen, Møller, Peter & Roursgaard, Martin, 25 feb. 2015, I: *Nanomedicine: Nanotechnology, Biology and Medicine*. 11, 2, s. 467-477 11 s.

Synergistic Effects of Zinc Oxide Nanoparticles and Fatty Acids on Toxicity to Caco-2 Cells

Cao, Y., Roursgaard, Martin, Kermanizadeh, A., Loft, Steffen & Møller, Peter, jan. 2015, I: *International Journal of Toxicology*. 34, 1, s. 67-76 10 s.

Applications of the comet assay in particle toxicology: air pollution and engineered nanomaterials exposure

Møller, Peter, Hemmingsen, J. G., Jensen, Ditte Marie, Danielsen, P. H., Karotki, D. G., Jantzen, K., Roursgaard, Martin, Cao, Y., Kermanizadeh, A., Klingberg, H., Christophersen, D. V., Hersoug, L. & Loft, Steffen, 2015, I: *Mutagenesis*. 30, 1, s. 67-83 17 s.

Endothelial cell activation, oxidative stress and inflammation induced by a panel of metal-based nanomaterials

Danielsen, P. H., Cao, Y., Roursgaard, Martin, Møller, Peter & Loft, Steffen, 2015, I: *Nanotoxicology*. 9, 7, s. 813-824 12 s.

Role of oxidative stress in carbon nanotube-generated health effects

Møller, P., Christophersen, D. V., Jensen, Ditte Marie, Kermanizadeh, A., Roursgaard, Martin, Jacobsen, N. R., Hemmingsen, J. G., Danielsen, P. H., Cao, Y., Jantzen, K., Klingberg, H., Hersoug, L. & Loft, Steffen, nov. 2014, I: *Archives of Toxicology*. 88, 11, s. 1939-64 26 s.

Variability in Particle Size Determination by Nanoparticle Tracking Analysis

Roursgaard, Martin, Jensen, K. A., Danielsen, P. H., Mikkelsen, L. Æ., Folkmann, J. K., Forchhammer, L. A., Jantzen, K., Klingberg, H., Cao, Y., Loft, Steffen & Møller, Peter, 1 sep. 2014, I: *Advanced Science, Engineering and Medicine*. 6, 9, s. 931-941 11 s.

Vascular effects of multiwalled carbon nanotubes in dyslipidemic ApoE^{-/-} mice and cultured endothelial cells

Cao, Y., Jacobsen, N. R., Danielsen, P. H., Lenz, A. G., Stoeger, T., Loft, Steffen, Wallin, E. H. R., Roursgaard, Martin, Mikkelsen, L. Æ. & Møller, Peter, mar. 2014, I: *Toxicological Sciences*. 138, 1, s. 104-16 13 s.

Accumulation of lipids and oxidatively damaged DNA in hepatocytes exposed to particles

Vesterdal, L. K., Danielsen, P. H., Folkmann, J. K., Jespersen, L. F., Aguilar-Pelaez, K., Roursgaard, Martin, Loft, Steffen & Møller, Peter, 15 jan. 2014, I: *Toxicology and Applied Pharmacology*. 274, 2, s. 350-60 11 s.

Carbon black nanoparticles promote endothelial activation and lipid accumulation in macrophages independently of intracellular ROS production

Cao, Y., Roursgaard, Martin, Danielsen, P. H., Møller, Peter & Loft, Steffen, 2014, I: *PLOS ONE*. 9, 9, s. 1-13 13 s., e106711.

Carbon nanotubes and cardiovascular disease

Møller, Peter, Cao, Y., Vesterdal, L. K., Danielsen, P. H., Roursgaard, Martin, Klingberg, H., Christophersen, D. V. & Loft, Steffen, 2014, *Nanotoxicology: Progress toward nanomedicine*. Monteiro-Riviere, N. A. & Lang Tran, C. (red.). 2 udg. USA: CRC Press, s. 331-344 15 s.

Hepatic toxicology following single and multiple exposure of engineered nanomaterials utilising a novel primary human 3D liver microtissue model

Kermanizadeh, A., Løhr, M., Roursgaard, Martin, Messner, S., Gunness, P., Kelm, J. M., Møller, Peter, Stone, V. & Loft, Steffen, 2014, I: *Particle and Fibre Toxicology*. 11, 1, s. 1-15 15 s., 56.

Oxidative stress and inflammation generated DNA damage by exposure to air pollution particles

Møller, Peter, Danielsen, P. H., Karottki, D. G., Jantzen, K., Roursgaard, Martin, Klingberg, H., Jensen, Ditte Marie, Christophersen, D. V., Hemmingsen, J. G., Cao, Y. & Loft, Steffen, 2014, I: *Mutation Research - Reviews*. 762, s. 133-166 34 s.

Oxidatively damaged DNA in animals exposed to particles

Møller, Peter, Danielsen, P. H., Jantzen, K., Roursgaard, Martin & Loft, Steffen, feb. 2013, I: *Critical Reviews in Toxicology*. 43, 2, s. 96-118 23 s.

Pulmonary exposure to particles from diesel exhaust, urban dust or single-walled carbon nanotubes and oxidatively damaged DNA and vascular function in apoE^{-/-} mice

Vesterdal, L. K., Jantzen, K., Sheykhzade, Majid, Roursgaard, Martin, Folkmann, J. K., Loft, Steffen & Møller, Peter, 14 nov. 2012, I: *Nanotoxicology*. 8, 1, s. 61-71

Oxidative damage to DNA by diesel exhaust particle exposure in co-cultures of human lung epithelial cells and macrophages

Jantzen, K., Roursgaard, Martin, Desler, Claus, Loft, Steffen, Rasmussen, Lene Juel & Møller, Peter, nov. 2012, I: *Mutagenesis*. 27, 6, s. 693-701 9 s.

Carbon black nanoparticles and vascular dysfunction in cultured endothelial cells and artery segments

Vesterdal, L. K., Mikkelsen, L., Folkmann, J. K., Sheykhzade, Majid, Cao, Y., Roursgaard, Martin, Loft, Steffen & Møller, Peter, 2012, I: Toxicology Letters. 214, 1, s. 19-26 8 s.

Expression of adhesion molecules, monocyte interactions and oxidative stress in human endothelial cells exposed to wood smoke and diesel exhaust particulate matter

Forchhammer, L., Loft, Steffen, Roursgaard, Martin, Cao, Y., Riddervold, I. S., Sigsgaard, T. & Møller, Peter, 2012, I: Toxicology Letters. 209, 2, s. 121-8 8 s.

Transport of SiO₂ Nanoparticles through Human Skin

Staronová, K., Nielsen, J. B., Roursgaard, Martin & Knudsen, Lisbeth E., 2012, I: Basic & Clinical Pharmacology & Toxicology Online. 111, 2, s. 142-4 3 s.

Urinary excretion of 8-oxo-7,8-dihydroguanine as biomarker of oxidative damage to DNA

Loft, Steffen, Danielsen, P. H., Løhr, M., Jantzen, K., Hemmingsen, J. G., Roursgaard, Martin, Karotki, D. G. & Møller, Peter, 2012, I: Archives of Biochemistry and Biophysics. 518, 2, s. 142-50 9 s.

Oxidative stress, genotoxicity, and vascular cell adhesion molecule expression in cells exposed to particulate matter from combustion of conventional diesel and methyl ester biodiesel blends

Hemmingsen, J. G., Møller, Peter, Nøjgaard, J. K., Roursgaard, Martin & Loft, Steffen, 1 okt. 2011, I: Environmental Science & Technology (Washington). 45, 19, s. 8545-51 7 s.

Hazard identification of particulate matter on vasomotor dysfunction and progression of atherosclerosis

Møller, Peter, Mikkelsen, L., Vesterdal, L. K., Folkmann, J. K., Forchhammer, L., Roursgaard, Martin, Danielsen, P. H. & Loft, Steffen, 1 apr. 2011, I: Critical Reviews in Toxicology. 41, 4, s. 339-68 30 s.

Acute and subchronic airway inflammation after intratracheal instillation of quartz and titanium dioxide agglomerates in mice

Roursgaard, Martin, Jensen, K. A., Poulsen, Steen Seier, Jensen, N. E. V., Poulsen, Lars K., Hammer, M., Nielsen, G. D. & Larsen, S. T., 1 jan. 2011, I: Scientific World Journal. 11, s. 801-25 25 s.

Effect of vitamin C and iron chelation on diesel exhaust particle and carbon black induced oxidative damage and cell adhesion molecule expression in human endothelial cells

Frikke-Schmidt, H. R., Roursgaard, Martin, Lykkesfeldt, Jens, Loft, Steffen, Nøjgaard, J. K. & Møller, Peter, 2011, I: Toxicology Letters. 203, 3, s. 181-189 9 s.

Genotoxic potential of the perfluorinated chemicals PFOA, PFOS, PFBS, PFNA and PFHxA in human HepG2 cells

Eriksen, K. T., Raaschou-Nielsen, O., Sørensen, M., Roursgaard, Martin, Loft, Steffen & Møller, Peter, 2010, I: Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis. 700, 1-2, s. 39-43 4 s.

Time-response relationship of nano and micro particle induced lung inflammation. Quartz as reference compound

Roursgaard, Martin, Poulsen, Steen Seier, Poulsen, Lars K., Hammer, M., Jensen, K. A., Utsunomiya, S., Ewing, R. C., Balic Zunic, Tonci, Nielsen, G. D. & Larsen, S. T., 2010, I: Human & Experimental Toxicology. 29, 11, s. 915-933 19 s.

Polyhydroxylated C60 fullerene (fullerenol) attenuates neutrophilic lung inflammation in mice

Roursgaard, Martin, Poulsen, Steen Seier, Kepley, C. L., Hammer, M., Nielsen, G. D. & Larsen, S. T., 1 okt. 2008, I: Basic & Clinical Pharmacology & Toxicology Online. 103, 4, s. 386-8 3 s.

Effects of alcohol consumption on the allergen-specific immune response in mice

Linneberg, Allan René, Roursgaard, Martin, Hersoug, L. & Larsen, S. T., 2008, I: Alcoholism: Clinical and Experimental Research. 32, 3, s. 553-557 4 s.

2022 European Registered Toxicologist

2009 PhD, Faculty of Health Sciences, University of Copenhagen

