

# Nanoparticles In The Lung: Environmental Exposure And Drug Delivery

## **CiteSeerX Citation Query Effects of airway -**

Effects of airway exposure to nanoparticles on lung capability and drug delivery, usefulness of nanoparticles and nanotechnology

<http://citeseerx.ist.psu.edu/showciting?cid=16681801>

## **Nanomedicine - Wikipedia, the free encyclopedia -**

related to toxicity and environmental impact drug delivery vehicles. treatment with iron nanoparticles or gold shells. Nanotechnology is also opening up

<http://en.wikipedia.org/wiki/Nanomedicine>

## **Nanoparticles' Hazards on the Lung |authorSTREAM -**

Nanoparticles' Hazards on the Lung Environmental challenges of exposure to there is potential for exposure of the lungs to nanoparticles that are

<http://www.authorstream.com/Presentation/drriham-2026401-nanoparticles-hazards-lung/>

## **Nanoparticles known and unknown health risks -**

Dec 07, 2004 The histology of the environmental contact sides of these three organs is significantly different. 6.1 Nanoparticles, thrombosis and lung inflammation.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC544578/>

## **Nanoparticles for drug delivery to the lungs: -**

The development of nanoparticles for drug delivery drug delivery to the lungs; Nanoparticle lungs and exposure to the humid environment and

[http://www.cell.com/trends/biotechnology/fulltext/S0167-7799\(07\)00270-3](http://www.cell.com/trends/biotechnology/fulltext/S0167-7799(07)00270-3)

## **Nanoparticle delivery in infant lungs -**

Nanoparticle delivery in infant lungs. German Research Center for Environmental pathway to the bloodstream for nanoparticle-based drug delivery.

<http://www.pnas.org/content/early/2012/03/08/1119339109.abstract>

## **Pulmonary applications and toxicity of engineered -**

there is potential for exposure of the lungs to nanoparticles that are National Institute of Environmental biodegradable nanoparticle drug delivery

<http://ajplung.physiology.org/content/295/3/L400>

## **Drug-Packed Nanoparticles KO Mesothelioma | BU -**

mesothelioma is linked to exposure and therefore easier to attack with an innovative drug delivery When nanoparticles are in a neutral environment

<http://www.bu.edu/today/2014/grinstaff-group-mesothelioma/>

## **Characterization of environmental nanoparticles -**

we attempted to characterize environmental nanoparticles and of nanoparticles. The environmental quality in the lung and heart

<http://www.sciencedirect.com/science/article/pii/S0169433208010222>

### **Nanoparticles in the Lung - Akira Tsuda, Peter -**

Nanoparticles in the Lung: Environmental Exposure Environmental Exposure and Drug Delivery offers the utility of nanoparticles as drug delivery

<http://www.bokus.com/bok/9781439892794/nanoparticles-in-the-lung/>

### **Nanoparticles as a Drug Delivery System - -**

This article summarizes recent developments in the use of nanoparticles as drug delivery nanoparticles in drug delivery. Adv. Drug Exposure to carbon nanotube

<http://www.medscape.com/viewarticle/770397>

### **Nanoparticles in drug delivery and environmental -**

Nanoparticles in drug delivery and environmental exposure: lung and systemic inflammation and different mechanisms of Environmental Exposure/adverse

<http://www.ncbi.nlm.nih.gov/pubmed/17716113>

### **Nanoparticles in the Lung - Reference Module in -**

An NP concentration of 10 g m<sup>3</sup> would be high for environmental exposure to Known Nanoparticle Effects in the Lung. Nanoparticle Drug Delivery

<http://www.sciencedirect.com/science/article/pii/B9780080468846009283>

### **Drug delivery and nanoparticles: Applications and -**

Drug delivery and nanoparticles: National Institute for Public Health and the Environment This may vary from a rather high local exposure in the lungs and a

<http://www.dovepress.com/drug-delivery-and-nanoparticles-applications-and-hazards-peer-reviewed-article-IJN>

### **Nanotechnology Notable Papers and Advances -**

Influence of particle size on persistence and clearance of aerosolized silver nanoparticles in the rat lung in environmental and ncbi.nlm.nih.gov/pubmed

<https://www.niehs.nih.gov/research/resources/nanotechnology/index.cfm>

### **Tracking nanoparticles | Harvard Gazette -**

Nov 08, 2010 Tracking nanoparticles target for nanoparticle drug delivery. of nanoparticle trafficking from the environment, through the lungs,

<http://news.harvard.edu/gazette/story/2010/11/tracking-nanoparticles/>

### **Drug delivery and nanoparticles:applications and -**

Drug delivery and nanoparticles: for Public Health and the Environment rather high local exposure in the lungs and a low or neglectable exposure for

<http://www.medscape.com/medline/abstract/18686775>

### **Magnetic core-shell nanoparticles for drug -**

Magnetic core-shell nanoparticles for drug delivery to increase exposure of the target tissues to the drug, drug delivery to the lungs and

<http://www.jnanobiotechnology.com/content/11/1/1>

### **Nanoparticles in the lung : environmental -**

Get this from a library! Nanoparticles in the lung : environmental exposure and drug delivery. [Akira Tsuda; Peter Gehr;]

<http://www.worldcat.org/title/nanoparticles-in-the-lung-environmental-exposure-and-drug-delivery/oclc/897882563>

### **Pros and cons of biodegradable nanoparticle drug -**

Sep 21, 2006 advantageous drug delivery properties in the lung, Pros and cons of biodegradable nanoparticle drug by environmental toxicologists

<http://www.nanowerk.com/spotlight/spotid=849.php>

### **Screening strategy to avoid toxicological hazards -**

Screening strategy to avoid toxicological hazards of inhaled nanoparticles for drug delivery: Center for Environmental especially for the lung exposure

[http://iopscience.iop.org/1742-6596/151/1/012034/pdf/jpconf9\\_151\\_012034.pdf](http://iopscience.iop.org/1742-6596/151/1/012034/pdf/jpconf9_151_012034.pdf)

### **Nanoparticles in the Lung: Environmental Exposure -**

Environmental Exposure and Drug Delivery offer the most updated and comprehensive knowledge of Nanoparticles in the Lung: Environmental Exposure and

<http://www.sponpress.com/books/details/9781439892794/>

### **Nanoparticles for drug delivery to the lungs - -**

Nanoparticle drug delivery to the lungs. Upon deposition in the lungs and exposure to the humid environment and the lung lining fluid,

<http://www.sciencedirect.com/science/article/pii/S0167779907002703>

### **Effects of Airway Exposure to Nanoparticles on -**

Jun 11, 2006 Effects of Airway Exposure to Nanoparticles on Lung Inflammation Induced by review board of the National Institute for Environmental

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1570092/>

### **Nanoparticles as a Potential Cause of Pleural and -**

electronics, energy, medical imaging, and drug delivery, effects from nanoparticle exposure suggests of environmental lung disease are in a unique

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3266021/>

### **Nanoparticles in the Lung, 9781439892800, - -**

Nanoparticles in the Lung: Environmental Exposure and Drug Delivery provides a better and to explore the utility of nanoparticles as drug delivery

<http://www.atheneum.nl/shop/details/Nanoparticles+in+the+Lung/9781439892800>

### **2020 Science Nanoparticle exposure and -**

The recent tragic account of seven Chinese workers suffering apparently from nanoparticle-induced lung the Department of Environmental and Occupational

<http://2020science.org/2009/08/18/nanoparticle-exposure-and-occupational-lung-disease-six-expert-perspectives-on-a-new-clinical-study/>

## **Nanomaterials -**

May 21, 2014 What is the NIEHS doing to advance the development and application of nanomaterials to be used in environmental lung inflammation caused by nanoparticles;

<http://www.niehs.nih.gov/health/topics/agents/sya-nano/>

## **Endothelial thermotolerance impairs nanoparticle -**

Abstract: The delivery of diagnostic and therapeutic agents to solid tumors is limited by physical transport barriers within tumors, and such restrictions directly

<https://lmrt.mit.edu/publications/endothelial-thermotolerance-impairs-nanoparticle-transport-tumors>

## **Therapeutic Nanoparticles for Drug Delivery in -**

Fig. 1. Types of nanocarriers for drug delivery. A, polymeric nanoparticles: polymeric nanoparticles in which drugs are conjugated to or encapsulated in polymers.

<http://clincancerres.aacrjournals.org/content/14/5/1310.full>

## **Title Generation of smart nanoparticles for -**

Title Generation of smart nanoparticles for targeted drug delivery to the lung This leads to long exposure times, poor drug delivery

[http://www.nano-initiative-munich.de/fileadmin/media/Summer-Research/SRP\\_PROjekte\\_2015/Sabine\\_van\\_Rijt.pdf](http://www.nano-initiative-munich.de/fileadmin/media/Summer-Research/SRP_PROjekte_2015/Sabine_van_Rijt.pdf)

## **http:// nanoparticles.org/ drug delivery/ - Drug -**

nanoparticles.org/courses/ provides references to upcoming courses and workshops on particle technology. Home Drug Delivery Analytical Services Safety & Exposure

<http://nanoparticles.org/drug%20delivery/>

## **Nanoparticle-Based Drug Delivery for Therapy of -**

Progress in Nanoparticle Drug/Gene Delivery Systems in vitro exposure of human lung cancer cells to Challenges for Nanoparticle-Based Drug Delivery in Lung

<http://www.hindawi.com/journals/jnm/2013/863951/>

## **Evaluation of Lung Toxicity of Biodegradable -**

for drug delivery to or through the lungs. nanoparticle exposure: differences between human lung cell Lung Toxicity of Biodegradable Nanoparticles

[http://link.springer.com/chapter/10.1007/978-3-319-11355-5\\_22](http://link.springer.com/chapter/10.1007/978-3-319-11355-5_22)

## **Respiratory Research | Full text | Nanotechnology -**

of lung diseases. Nanoparticle based drug delivery Nanoparticle based drug delivery systems of respiratory medicine. Drug delivery

<http://www.respiratory-research.com/content/16/1/64>

## **Nanotechnology in cancer therapeutics: -**

we discuss the mechanism of nanoparticle drug delivery through due to the exposure of these tumor environment. The drug is conjugated

<http://mct.aacrjournals.org/content/5/8/1909.full>

## **Nanotoxicology - Wikipedia, the free encyclopedia -**

the Swedish Karolinska Institute conducted a study in which various nanoparticles were introduced to human lung nanoparticles in commercial, environmental,

<http://en.wikipedia.org/wiki/Nanotoxicology>

**Nanoparticles: a review of particle toxicology -**

affect human health and the environment. Drug Delivery; following inhalational exposure.

Nanoparticles differ from the same

<http://informahealthcare.com/doi/abs/10.3109/08958378.2010.642021>

**Emerging applications of nanoparticles for lung -**

to occupational and environmental exposure to means of drug delivery for lung nanoparticles as a drug delivery system for

<http://www.inl-journal.com/content/3/1/45>

**Gene expression analysis in rat lungs after -**

Gene expression analysis in rat lungs after intratracheal exposure to nanoparticles drug delivery devices exposure of the guinea pig lung to

[http://iopscience.iop.org/1742-6596/304/1/012025/pdf/jpconf11\\_304\\_012025.pdf](http://iopscience.iop.org/1742-6596/304/1/012025/pdf/jpconf11_304_012025.pdf)

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