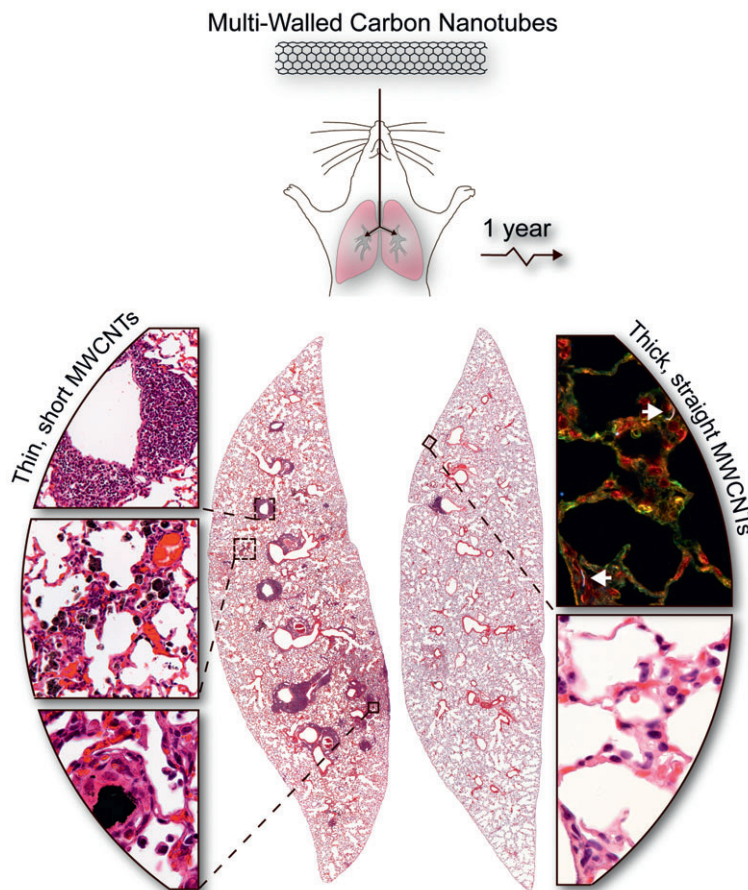


BCPT

Basic & Clinical Pharmacology & Toxicology



BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY

www.bcpt.org

<i>Editor:</i>	Kim Brøsen, Odense, Denmark
<i>Associate Editors:</i>	Jens Lykkesfeldt, Copenhagen, Denmark; Ulf Simonsen, Aarhus, Denmark
<i>Assistant Editors:</i>	Troels Bergmann, Odense, Denmark Anders A. Jensen, Copenhagen, Denmark Niels Jessen, Aarhus, Denmark Anton Pottegård, Odense, Denmark Pernille Tveden-Nyborg, Copenhagen, Denmark Petrine Wellendorph, Copenhagen, Denmark
<i>MiniReview Editors:</i>	Jesper Hallas, Odense, Denmark; Lisbeth Ehlert Knudsen, Copenhagen, Denmark; Eeva Moilanen, Tampere, Finland
<i>Editorial Manager:</i>	Henrik Horneberg, Odense, Denmark
<i>Editorial Office:</i>	Basic & Clinical Pharmacology & Toxicology, University of Southern Denmark, Clinical Pharmacology and Pharmacy, Winslowparken 19, 2nd floor, DK-5000 Odense C, Denmark. Tel. +45 6550-4237, email: hhorneberg@health.sdu.dk

Board of Directors:

Hans Bräuner-Osborne, Copenhagen, Denmark
Ulrik Gether, Copenhagen, Denmark
Rickard Malmström, Stockholm, Sweden
Jesper Bo Nielsen, Odense, Denmark
Karin Kramer Nielsen, Copenhagen, Denmark
Helle Northved, Copenhagen, Denmark
Kristín Ólafsdóttir, Reykjavik, Iceland
Mimi Stokke Opdal, Oslo, Norway
Pesonen, Ullamari, Turku, Finland
Thomas Kongstad Petersen, Copenhagen, Denmark

Editorial Advisers:

Brüner, Nils, Frederiksberg, Denmark
Cascorbi, Ingolf, Kiel, Germany
Chlopicki, Stefan, Krakow, Poland
Christen, Stephan, Berne, Switzerland
de Mey, Jo, Odense, Denmark
de Oliveira, Marcelo G, Campinas, Brazil
Dahl, Marja-Liisa, Stockholm, Sweden
Drago, Filippo, Catania, Italy
Du, Guan Hua, Beijing, P.R. China
Dusinska, Maria, Kjeller, Norway
Eriksson, Tommy, Lund, Sweden
Forsberg, Markus, Kuopio, Finland
Frøkjær, Sven, Copenhagen, Denmark
Garland, Chris, Bath, UK
Holme, Jørn, Oslo, Norway
Huupponen, Risto, Turku, Finland
Jacqz-Aigrain, Evelyne, Paris, France
Javitch, Jonathan A., New York, NY, USA
Karlsson, Mats, Uppsala, Sweden
Korpi, Esa, Helsinki, Finland
Levy, Finn Olav, Oslo, Norway

Liapi, Charis, Athens, Greece
Li, Nailin, Stockholm, Sweden
Loft, Steffen, Copenhagen, Denmark
MacDonald, Ewen, Cuopio, Finland
Nicoletti, Ferdinando, Catania, Italy
Niemi, Mikko, Helsinki, Finland
Parnham, Michael J., Zagreb, Croatia
Patrignani, Paula, Chieti, Italy
Rosenkilde, Mette Marie, Copenhagen, Denmark
Schwartz, Thue, Copenhagen, Denmark
Spina, Eduardo, Messina, Italy
Stürmer, Til, Chapel Hill, NC, USA
Tamargo, Juan, Madrid, Spain
Tanus-Santos, Jose Eduardo, Ribeirao Preto, Brazil
Teixeira, Mauro M., Belo Horizonte, Brazil
Thürmann, Petra, Wuppertal, Germany
Tostes, Rita, Sao Paolo, Brazil
Vähäkangas, Kirsi, Kuopio, Finland
Vanhouthe, Paul M., Hong Kong
Villalón, Carlos M., Mexico D.F., Mexico
Zhang, Yongxiang, Beijing, China

Aims and Scope

Basic & Clinical Pharmacology & Toxicology is an independent journal, publishing original scientific research in all fields of toxicology, basic and clinical pharmacology. This includes experimental animal pharmacology and toxicology and molecular (-genetic), biochemical and cellular pharmacology and toxicology. It also includes all aspects of clinical pharmacology: pharmacokinetics, pharmacodynamics, therapeutic drug monitoring, drug/drug interactions, pharmacogenetics/-genomics, pharmacoepidemiology, pharmacovigilance, pharmacoeconomics, randomized controlled clinical trials and rational pharmacotherapy. For all compounds used in the studies, the chemical constitution and composition should be known, also for natural compounds.

Copyright and Copying

Copyright © 2019 Nordic Association for the Publication of BCPT (former Nordic Pharmacological Society). Published by John Wiley & Sons Ltd. All rights reserved. No part of this publication may be reproduced, stored or transmitted in any form or by any means without the prior permission in writing from the copyright holder. Authorization to copy items for internal and personal use is granted by the copyright holder for libraries and other users registered with their local Reproduction Rights Organisation (RRO), e.g. Copyright Clearance Center (CCC), 222 Rosewood Drive, Danvers, MA 01923, USA (www.copyright.com), provided the appropriate fee is paid directly to the RRO. This consent does not extend to other kinds of copying such as copying for general distribution, for advertising and promotional purposes, for creating new collective works or for resale. Special requests should be addressed to: permissions@wiley.com

Disclaimer: The Publisher, Nordic Association for the Publication of BCPT (former Nordic Pharmacological Society) and Editors cannot be held responsible for errors or any consequences arising from the use of information contained in this journal; the views and opinions expressed do not necessarily reflect those of the Publisher, Nordic Association for the Publication of BCPT (former Nordic Pharmacological Society) and Editors, neither does the publication of advertisements constitute any endorsement by the Publisher, Nordic Association for the Publication of BCPT (former Nordic Pharmacological Society) and Editors of the products advertised. *Basic & Clinical Pharmacology & Toxicology* ISSN 1742-7843 (Online) is published by John Wiley & Sons Ltd, 9600 Garsington Road, Oxford OX4 2DQ, UK. Tel: +44 1865 776868; Fax: 44 1865 714591.

Cover illustration: Physicochemical-dependent histological changes in mouse lungs one year after intratracheal instillation of 11 well-characterized multi-walled carbon nanotubes (MWCNTs). Short and thin MWCNTs were observed as black agglomerates in lung tissue one year after exposure, whereas thicker and longer MWCNTs were detected as single fibres. The thin MWCNTs induced varying degree of pulmonary inflammation, in terms of lymphocytic aggregates, granulomas and macrophage infiltration, whereas two thick and straight MWCNTs did not. Regression analysis showed that larger diameter and higher content of iron predicted less histopathological changes, whereas higher cobalt content significantly predicted more histopathological changes.

Article title: 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.

Contributors: Kristina Bram Knudsen, Trine Berthing, Petra Jackson, Sarah Søs Poulsen, Alicja Mortensen, Nicklas Raun Jacobsen, Vidar Skaug, Józef Szarek, Karin Sørig Hougaard, Henrik Wolff, Håkan Wallin, and Ulla Vogel.