

# Curriculum Vitae

## Dr Mark J. Nieuwenhuijsen

### Position

Research Professor  
ICCET - Environmental Geochemistry Research Group  
Institute of Global Health (ISGlobal)  
Barcelona, Spain



### Professional Experience

Selected appointments

Memberships:

- Member of the Dutch Occupational Hygiene Society (1989- )
- Member of the British Occupational Hygiene Society (1989- )
- Council Member of British Occupational Hygiene Society (1998- )
- Member of the American Conference of Governmental Industrial Hygienists (ACGIH), Inc. (1993- )
- Member of the International Society of Environmental Epidemiology (1998- )
- Member of the Editorial Review Board Occupational and Environmental Medicine (1997- )
- ACGIH board meetings (guest) (1995/1996)
- ACGIH TLV committee (guest) (1996/1997)
- ACGIH Industrial Ventilation committees (guest) (1997/1998)

### Research

Professional activities over the past 10 years have included environmental and epidemiological studies funded by:

- The Health and Safety Executive, UK
- National Asthma campaign
- The National Institute for Safety and Health, USA
- Department of Health, UK
- Department of Environment, Transport and the Regions, UK
- European Community

Referee for: Annals of Occupational Hygiene, Occupational and Environmental Medicine, Scandinavian Journal of Work, Environment and Health, American Journal of Industrial Medicine, American Industrial Hygiene Association Journal, European Respiratory Journal

### Publications

1. Verberne E, Drost H, Agterberg H, NIEUWENHUIJSEN M and Tongeren v M. (1989) An occupational health survey in the tobacco industry: the exposure to dust, nicotine and mould spores and the effects on the respiratory tract. (in Dutch) MSc thesis, Wageningen University, Wageningen, Holland.

2. NIEUWENHUIJSEN M and Tongeren v M. (1989) An evaluation of work practices during the application of pesticides at 10 contract sprayers. (in Dutch) MSc thesis, Wageningen University, Wageningen, Holland.
3. NIEUWENHUIJSEN M (1993) Exposure to aeroallergens: Determinants, exposure levels, and skin prick test reactions in bakeries, flour mills and research institutes. PhD thesis. University of London, London.
4. Halpin DMG, Graneek BJ, Lacey J and NIEUWENHUIJSEN M, Williamson PAM and Newman Taylor AJ. (1994) Respiratory symptoms, immunological responses and aeroallergen levels at a sawmill. *Occup Environ Med*, **51**:165-172.
5. Sandiford CP, NIEUWENHUIJSEN M.J., Tee RD and Newman Taylor AJ. (1994) Measurement of airborne proteins involved in Bakers' asthma. *Clin Exp Allergy*, **24**:450-456.
6. Sandiford CP, NIEUWENHUIJSEN M.J., Tee RD and Newman Taylor AJ.(1994) Determination of the size of airborne flour particles. *Allergy*, **12**:891-893.
7. NIEUWENHUIJSEN M.J., Sandiford C, Lowson D, Tee RD, Venables KM, McDonald JC and Newman Taylor AJ. (1994) Dust and flour aeroallergen in flour mills and bakeries. *Occup Environ Med*, **51**:584-588
8. NIEUWENHUIJSEN M.J., Sandiford CP, Lowson D, Tee RD, Venables KM and Newman Taylor AJ. (1995) Peak exposure concentrations of dust and flour aeroallergen in flour mills and bakeries. *Ann Occup Hyg*, **39**:193-201
9. NIEUWENHUIJSEN M.J., Lowson D, Venables KM and Newman Taylor AJ.(1995) Correlation between different measures of exposure in a cohort of bakery workers and flour millers. *Ann Occup Hygiene*, **39**:291-298.
10. NIEUWENHUIJSEN M.J., Lowson D, Tee RD, Venables KM, McDonald JC and Newman Taylor AJ. (1995) Flour dust exposure variability in flour mills and bakeries. *Ann Occup Hyg*, **39**:299-305
11. Cullinan P, Lowson D, NIEUWENHUIJSEN M.J., Sandiford C, Tee RD, Venables KM, McDonald JC and Newman Taylor AJ. (1994) Work related symptoms, sensitisation and estimated exposure in workers not previously exposed to flour. *Occup Environ Med*, **51**:579-583
12. Gordon S, Tee RD, NIEUWENHUIJSEN M.J., Lowson D, Harris J and Newman Taylor AJ. (1994) Measurement of airborne rat urinary allergen in a longitudinal epidemiological study. *Clin Exp Allergy*, **24**:1070-1077.
13. NIEUWENHUIJSEN M.J., Gordon S, Tee RD, Venables KM, McDonald JC and Newman Taylor AJ.(1994) Exposure to dust and rat urinary aeroallergens in research institutes. *Occup Environ Med*, **51**:593-596
14. NIEUWENHUIJSEN M.J., Gordon S, Harris J, Tee RD, Venables KM, McDonald JC and Newman Taylor AJ. (1995) Determinants of airborne allergen exposure in an animal house. *Occup Hyg*, **1**:317-324.
15. NIEUWENHUIJSEN M.J., Gordon S, Harris JM, Tee RD, Venables KM and Newman Taylor AJ. (1995) The variation in rat urinary aeroallergen levels explained by differences in site, task and exposure group. *Ann Occup Hyg*, **39**:819-825.
16. Cullinan P, Lowson D, NIEUWENHUIJSEN M.J., Gordon S, Tee RD, Venables KM, McDonald JC and Newman Taylor AJ. (1994) Work related symptoms, sensitisation and estimated exposure in workers not previously exposed to laboratory rats. *Occup Environ Med*, **51**:589-592.

17. NIEUWENHUIJSEN M.J., Schenker MB, Samuels S, Green S and Farrar F. (1996) Exposure to dust, noise and pesticides, their determinants and the use of protective equipment among California farm operators. *Appl Occup Environ Hyg*, **11(10)**:1217-1225..
18. Gordon S, Kiernan L, NIEUWENHUIJSEN M.J., Cook AD, Tee RD and Newman Taylor AJ. (1997) Measurement of exposure to mouse urinary proteins in an epidemiological study. *Occup Environ Med* **54**:135-140.
19. NIEUWENHUIJSEN M.J., Sandiford CP, Lawson D, Tee RD, Venables KM and Newman Taylor AJ. (1996) Are task-based exposure levels a valuable index of exposure for epidemiology? (Response to a letter to the editor.) *Ann Occup Hyg*, **40**:719-722.
20. NIEUWENHUIJSEN M.J. (1997) Exposure assessment for occupational epidemiological studies; measuring present exposures with an example of a study of occupational asthma. *Int Arch Occup Environ Health*. **70**:295-308
21. NIEUWENHUIJSEN M.J., Kruize H and Schenker MB. (1998) Exposure to dust and its particle size distribution in California agriculture. *Am J Ind Hyg Ass J* **59**: 34-38
22. NIEUWENHUIJSEN M.J. and Schenker MB. (1998) Determinants of personal dust exposure during field crop operations in California agriculture. *Am J Ind Hyg Ass J* **59**: 9-13
23. NIEUWENHUIJSEN M.J., Schenker MB, Saiki C, Samuels SJ and Green RS. (1997) Work patterns and self-reported exposure of California farm operators. *Appl Occup Environ Hyg*. **12**:685-690
24. NIEUWENHUIJSEN M.J., Noderer KS and Schenker MB. (1997) The relation between subjective dust exposure estimates and quantitative dust exposure measurements in California agriculture. *Am J Ind Med*. **32**:355-363
25. NIEUWENHUIJSEN M.J., Heederik D., Doekes G., Venables K.M. and Newman Taylor A.J. Exposure-response relationships of  $\alpha$ -amylase sensitisation in British bakeries and flour mills. *Occupational and Environmental Medicine* (in print).
26. NIEUWENHUIJSEN M.J., Noderer KS, Vallyathan V, Olenchock S and Schenker MB. Personal exposure to dust, endotoxin and crystalline silica in California agriculture. *Annals of Occupational Hygiene* (in print)

In preparation:

1. Cullinan P, Cook A, Gordon S, NIEUWENHUIJSEN M.J., Tee RD, Venables KM, McDonald JC and Newman Taylor AJ. Allergen exposure, atopy and smoking as determinants of allergy to rats in a cohort of laboratory animal employees. Submitted to *European Respiratory Journal*.
2. Cullinan P, Cook A, NIEUWENHUIJSEN MJ, Sandiford C, Tee R, Venables K, McDonald JC and Newman Taylor AJ. Allergen and dust exposure as determinants of work-related symptoms in a cohort of flour-exposed workers; a case-control analysis.
3. Heederik D, Venables K, Malmberg P, Hollander A, Karlsson A-S, Renstrom A, Doekes G and NIEUWENHUIJSEN MJ. Exposure-response relationships for occupational respiratory sensitizers: results from a large scale EU pooled study in laboratory animal workers. Submitted to *J Allergy Clin Immun*

4. NIEUWENHUIJSEN M.J. and Lawson R. Modern fertilizers. Document for the American Thoracic Society State of the art workshop on Respiratory Hazards in Agriculture. To be published in *Epidemiology*
5. NIEUWENHUIJSEN M.J., Saiki C, Noderer KS, Schenker MB, Samuels SJ and Shelly S Green RS. Correlations between various exposure indices in a cohort of California farm operators
6. Eaton NE, NIEUWENHUIJSEN MJ and Elliott P. Chlorination disinfection by-products in water and their association with adverse reproductive outcomes: a review (in prep).
7. Keegan T, NIEUWENHUIJSEN MJ, Elliott P, Toledano M and Morris S. The use of routinely collected data for epidemiological purposes. (in prep)
8. NIEUWENHUIJSEN M.J. Personal exposure monitoring in environmental epidemiology. In: *Disease and exposure mapping*. Elliott P, Wakefield J, Best N and Briggs D (eds). (in prep)