



Curriculum Vitae

1. Name, Gender, Nationality

Family Name	Name	Gender	Nationality
Woutersen	Rudolf Antonius	Male	Netherlands



If you wish you can place a photograph of you here.

2. Overall Scientific Expertise

Please specify in keywords (see section 3 of your application form). If you wish you may indicate how you acquired each specific expertise (e.g. through education, in your function as..., through participation in ...).

Toxicology, Toxicologic Pathology, Risk Assessment of chemicals (member Scientific Committee Occupational Exposure Limits and Dutch Expert Committee on Occupational Standards) as well as food components (member of Working Group and Panel on Food Additives and Nutrient Sources of EFSA) and



3. Professional Experience

Professional Experience 1 (most recent)	
Occupation or position held	<i>Senior Scientist, Toxicologic Pathologists/Toxicologist. Extraordinary Professor Translational Toxicology</i>
Date (starting)	<i>01/01/2010</i>
Date (finishing)	<i>current</i>
Main activities	<i>As board certified toxicologic pathologist, I am involved in the peer review of histopathological evaluation of toxicity studies. Since 1 September 2008 I am appointed Extraordinary Professor in Translational Toxicology at the Wageningen University and Research Centre. I am co-ordinator of the knowledge centre "Innovations in Toxicology", a scientific co-operation between TNO and the Toxicology department of Professor Ivonne Rietjens of the Wageningen University and Research Centre. We aim at innovations for the classical hazard identification by investing in scientifically sound alternative procedures using human and animal cells in vitro, Physiologically Based Biokinetic (PBBK) modelling to predict safe exposure levels in humans without the need for animals testing (translational toxicology).</i>
Main responsibilities	<i>Responsible for scientific resources. As extraordinary professor I am responsible for 3 PhD students who aim to obtain their PhD degree within 4 years.</i>
Name of employing organisation	<i>TNO Quality of Life and Wageningen University</i>
Address of employing organisation (City, Country sufficient)	<i>Zeist, The Netherlands</i>
Type of sector	<i>Public Institution and Academia</i>
Professional Experience 2	
Occupation or position held	<i>Deputy head Department Toxicology and Applied Pharmacology and Extraordinary Professor Translational Toxicology</i>
Date (starting)	<i>01/01/2008</i>
Date (finishing)	<i>01/01/2010</i>



Main activities	<i>As board certified toxicologic pathologist, I am involved in the peer review of histopathological evaluation of toxicity studies. Since 1 September 2008 I am appointed Extraordinary Professor in Translational Toxicology at the Wageningen University and Research Centre. I am co-ordinator of the knowledge centre "Innovations in Toxicology", a scientific co-operation between TNO and the Toxicology department of Professor Ivonne Rietjens of the Wageningen University and Research Centre. We aim at innovations for the classical hazard identification by investing in scientifically sound alternative procedures using human and animal cells in vitro, Physiologically Based Biokinetic (PBBK) modelling to predict safe exposure levels in humans without the need for animals testing (translational toxicology).</i>
Main responsibilities	<i>Responsible for strategy, sales and scientific resources. The department comprises 80 professionals with expertises in neuro-, repro-, immuno-, genetic-, in vitro- and inhalation toxicology. As extraordinary professor I am responsible for 3 PhD students who aim to obtain their PhD degree within 4 years.</i>
Name of employing organisation	<i>TNO Quality of Life and Wageningen University</i>
Address of employing organisation (City, Country sufficient)	<i>Zeist, The Netherlands</i>
Type of sector	<i>Public Institution and Academia</i>
Professional Experience 3	
Occupation or position held	<i>Head Department Toxicology and Applied Pharmacology</i>
Date (starting)	<i>01/01/2000</i>
Date (finishing)	<i>01/01/2008</i>
Main activities	<i>Responsible for strategy, sales, human resources and scientific research. The department comprises toxicologists with expertises in inhalation toxicology, reproduction toxicology, experimental immunology, neurotoxicology, genetic toxicology and in vitro toxicology. Moreover, the animal house, histology, toxicologic pathology, clinical pathology and test material management are part of the department.</i>
Main responsibilities	<i>Responsible for the knowledge centre "Innovations in Toxicology", a co-operation between TNO and the Toxicology Department of Professor Ivonne Rietjens at the Wageningen University. Stimulated by the new legislation (e.g. REACH) and public interest, we aim at innovation of the classical hazard identification by investing in scientifically sound alternative procedures using human and animal cells and cellines in and comparing the results in data (translational toxicology)</i>
Name of employing organisation	<i>TNO Quality of Life and Wageningen University</i>



Address of employing organisation (City, Country sufficient)	<i>Zeist, The Netherlands</i>
Type of sector	<i>Public Institution</i>
Professional Experience 4	
Occupation or position held	<i>Head Department of General Toxicology</i>
Date (starting)	<i>01/01/1996</i>
Date (finishing)	<i>01/01/2000</i>
Main activities	<i>Regulatory hazard identification of industrial chemicals, food ingredients, novel and functional foods and drugs according to international (OECD, US-EPA, US-FDA, Japanese MHW, MAFF and MITI, EMEA, etc) guidelines. Short and long term oral toxicity studies with rats, mice, guinea pigs, rabbits, minipigs and dogs. Examination of microscopical slides as board certified toxicologic pathologist</i>
Main responsibilities	<i>Responsible for strategy, sales, human resources and scientific research. Oral and dermal short- en long term (up to 24 months) toxicity studies with experimental animals, toxicologic pathology, animal house, histology, clinical pathology.</i>
Name of employing organisation	<i>TNO Nutrition and Food Research</i>
Address of employing organisation (City, Country sufficient)	<i>Zeist, The Netherlands</i>
Type of sector	<i>Public Institution</i>
Professional Experience 5	
Occupation or position held	<i>Head Department of Pathology</i>
Date (starting)	<i>01/01/1991</i>
Date (finishing)	<i>01/01/1996</i>
Main activities	<i>Study director of several research projects in the field of pancreatic- and colon carcinogenesis and toxicologic pathologist of projects aimed to elucidate the mechanisms of aldehyde-induced nasal tumours in rats, mice and hamsters.</i>
Main responsibilities	<i>Responsible for the histopathological evaluation of a large number of toxicity studies, varying in duration (28-days up to 24 months), route of administration (oral, gavage, inhalation, dermal) and animal species (mouse, rat, dog, rabbit, guinea pig, hamster). This comprised autopsies, histotechnique and microscopy.</i>
Name of employing organisation	<i>TNO Toxicology and Nutrition Institute</i>



Address of employing organisation (City, Country sufficient)	<i>Zeist, The Netherlands</i>
Type of sector	<i>Public Institution</i>
Professional Experience 6	
Occupation or position held	<i>Toxicologic Pathologist (in training)</i>
Date (starting)	<i>01/11/1979</i>
Date (finishing)	<i>01/01/1991</i>
Main activities	<i>From November 1979 up to 1983, I was trained, internally and externally, in toxicologic pathology and toxicology. In the period 1980 - 1991, I have read slides of over 10 oral and inhalational carcinogenicity studies, and in addition numerous sub-acute (28-days), sub-chronic (90-days) and chronic (12 months) toxicity studies with rats and mice. Besides, I was study director of several research projects in the area of experimental pancreatic carcinogenesis.</i>
Main responsibilities	<i>Supervisor of several PhD students working in the aforementioned projects. Responsible for the histology labs.</i>
Name of employing organisation	<i>CIVO TNO, Department Biological Toxicology</i>
Address of employing organisation (City, Country sufficient)	<i>Zeist, The Netherlands</i>
Type of sector	<i>Public Institution</i>
Professional Experience 7	
Occupation or position held	<i>PhD Student</i>
Date (starting)	<i>01/06/1975</i>
Date (finishing)	<i>01/10/1979</i>
Main activities	<i>Study director of a PhD project entitled: Experimental Protoporphyrin in Japanese Quail and rats. The project comprised in vivo studies with Japanese quail and rats and in vitro studies with erythrocytes obtained from both experimental animals and humans with erythropoietic protoporphyria</i>
Main responsibilities	<i>Instruction of Laboratory Assistances and MSc students participating in the project.</i>
Name of employing organisation	<i>University of Utrecht, Veterinary Faculty</i>
Address of employing organisation (City, Country sufficient)	<i>Utrecht, The Netherlands</i>
Type of sector	<i>Academia</i>



4. Educational Background

Educational qualification 1 (most recent)	
Description of qualification achieved (e.g. Bachelor of science in tissue engineering)	<i>Extraordinary Professor in Toxicology</i>
Principal subject (e.g. Animal Physiology)	<i>Translational Toxicology</i>
Other subjects	
Date (starting)	<i>01/09/2008</i>
Date (finishing)	<i>01/09/2018</i>
Name of organisation (incl. city and country) awarding degree	<i>Wageningen University and Research Center, Wageningen, The Netherlands</i>
Title of degree awarded	<i>Professor</i>
Educational qualification 2	
Description of qualification achieved (e.g. Bachelor of science in tissue engineering)	<i>PhD in Toxicology and Pharmacology</i>
Principal subject (e.g. Animal Physiology)	<i>Experimental Protoporphyrin in Japanese Quail and Rats</i>
Other subjects	
Date (starting)	<i>01/07/1975</i>
Date (finishing)	<i>01/10/1979</i>
Name of organisation (incl. city and country) awarding degree	<i>University of Utrecht, Utrecht, The Netherlands</i>
Title of degree awarded	<i>PhD in Toxicology and Pharmacology</i>
Educational qualification 3	
Description of qualification achieved (e.g. Bachelor of science in tissue engineering)	<i>MSc. In Experimental Pathology, Histology and Biochemistry</i>
Principal subject (e.g. Animal Physiology)	<i>Immunopathology and carcinogenesis, histology of the area postrema and membrane biochemistry</i>
Other subjects	
Date (starting)	<i>01/05/1972</i>
Date (finishing)	<i>01/06/1975</i>
Name of organisation (incl. city and country) awarding degree	<i>University of Utrecht, Utrecht, The Netherlands</i>



Title of degree awarded	<i>MSc.</i>
Educational qualification 4	
Description of qualification achieved (e.g. Bachelor of science in tissue engineering)	<i>BSc in Biochemistry</i>
Principal subject (e.g. Animal Physiology)	<i>Biology and Chemistry</i>
Other subjects	
Date (starting)	<i>01/09/1969</i>
Date (finishing)	<i>01/05/1975</i>
Name of organisation (incl. city and country) awarding degree	
Title of degree awarded	<i>BSc.</i>

5. Fellowships, Awards, Membership in Learned Societies, Editorial Boards and Advisory Bodies

5.1 Fellowships

Fellowship I	
Title of fellowship	<i>free text</i>
Description of fellowship (type, maximal duration, prestige)	<i>Max. 500 characters including spaces</i>
Date (starting)	<i>DD.MM.YYYY [day.month.year]</i>
Date (finishing)	<i>DD.MM.YYYY [day.month.year]</i>
Funding/awarding organisation	<i>free text</i>
Address (city + country sufficient)	<i>free text</i>

5.2 Awards

Award I



Title of award	<i>free text</i>
Description of award (type, prestige etc.)	<i>Max. 500 characters including spaces</i>
Date	<i>DD.MM.YYYY [day.month.year]</i>
Awarding organisation	<i>free text</i>
Address (city + country sufficient)	<i>free text</i>

5.3 Membership in learned societies & professional associations & editorial boards

Society / Association / Editorial Board I	
Society / Association	<i>Netherlands Society for Toxicology: Member of the Board</i>
Description of society's / association's activities	<i>Yearly meetings of toxicologists in the Netherlands</i>
Membership from ...	<i>01/09/1975</i>
...to (if currently member, please state 'current')	<i>current</i>
Address (city + country sufficient)	<i>The Hague, The Netherlands</i>
Society / Association II	
Society / Association	<i>Netherlands Society of Pathology: Chairman of the section Veterinary Pathology. Member of the Board.</i>
Description of society's / association's activities	<i>Yearly 3-days symposium for all Dutch Pathologists: Human-, Veterinary-, Laboratory Animal- and Toxicologic Pathologists. The section Veterinary Pathology organizes a meeting each quarterly for all Veterinary, Laboratory Animal and Toxicologic Pathologists</i>
Membership from ...	<i>01/09/1982</i>
...to (if currently member,	<i>current</i>



please state 'current')	
Address (city + country sufficient)	<i>Amsterdam, The Netherlands</i>
Society / Association III	
Society / Association	<i>Society of Toxicology</i>
Description of society's / association's activities	<i>Annual Scientific Meeting and Educational Programme</i>
Membership from ...	<i>01/01/2009</i>
...to (if currently member, please state 'current')	<i>current</i>
Address (city + country sufficient)	<i>Reston, VA, United States</i>
Society / Association IV	
Society / Association	<i>American Soc. Toxicologic Pathologists</i>
Description of society's / association's activities	<i>Annual Scientific Meeting and Educational Programma</i>
Membership from ...	<i>01/01/2000</i>
...to (if currently member, please state 'current')	<i>current</i>
Address (city + country sufficient)	<i>Reston, VA, United States</i>

5.4 Membership in advisory bodies / committees

Advisory body / committee I	
Name of advisory body	<i>EU Scientific Committee on Occupational Exposure Limits</i>
Description of the roles and responsibilities of the advisory body	<i>To inform the Minister of DG Employment of the EU about the risk of occupational exposure to potential toxic substances at the work place.</i>
Membership from ...	<i>01-05-2002</i>
...to (if currently member, please state 'current')	<i>current</i>
Address (city + country sufficient)	<i>Luxembourg</i>
Advisory body / committee II	
Name of advisory body	<i>European Food safety Authority. Member of the Working Group and Panel of Additives and supplements added to food.</i>



Description of the roles and responsibilities of the advisory body	<i>To inform the Members of the European Parliament about the risk of food additives and food supplements.</i>
Membership from ...	<i>01-07-2008</i>
...to (if currently member, please state 'current')	<i>current</i>
Address (city + country sufficient)	<i>Parma, Italy</i>

6. Publications

Nr.	Citation
1	<i>Woutersen RA. (1998) Toxicologic profile of acrylonitrile. Scand J Work Environ Health 24(2):5-9</i>
2	<i>Woutersen RA, Appel MJ, Garderen-Hoetmer A. van. (1999) Modulation of pancreatic carcinogenesis by antioxidants. Food Chem Toxicol. 37:981-984</i>
3	<i>Woutersen RA, Appel MJ, Garderen-Hoetmer A van, Wijnands MVW. (1999) Dietary fat and carcinogenesis. Mut Res. 443:111-127</i>
4	<i>Woutersen RA, Wolterbeek APM, Appel MJ, Berg H. van den, Goldbohm RA, Feron VJ (1999) Safety evaluation of synthetic beta-carotene. Crit Rev Toxicol. 29:515-543.</i>
5	<i>Feron VJ, Arts JHE, Kuper CF, Slootweg PJ, Woutersen RA. (2001) Health risks associated with inhaled nasal toxicants. Crit Rev Toxicol. 31:313-347</i>
6	<i>Woutersen RA, Jonker D, Stevenson H, Biesebeek JD te, Slob W. (2001) The benchmark approach applied to a 28-day toxicity study with Rhodorsil Silane in rats: the impact of increasing the number of dose groups. Food Chem Toxicol. 39:697-707</i>
7	<i>Wijnands MVW, Schoterman HC, Bruijntjes JP, Hollanders VMH, Woutersen RA. (2001) Effect of dietary galacto-oligosaccharides (GOS) on azoxymethane-induced aberrant crypt foci and colorectal cancer in Fischer 344 rats. Carcinogenesis 22:27-132</i>
8	<i>Arts JHE, Mojet J, Gemert LJ van, Emmen HH, Lammers JHCM, Maquart J, Woutersen RA, Feron VJ (2002) An analysis of Human Response to the Irritancy of Acetone Vapors. Crit Rev Toxicol. 32:43-66</i>
9	<i>Wijnands MVW, Bruijntjes JP, Hollanders VMH, Woutersen RA. (2002) Modulations of induced aberrant crypt foci (ACF) and colorectal cancer in azoxymethane-treated rats by Novelose 330. Cellulose and Fat NCA Newsletter 44:4-6</i>
10	<i>Arts JHE, Muijser H, Appel MJ, Woutersen RA. (2004) Sub-acute (28-day) toxicity of furfural in Fischer 344 rats: a comparison of the oral and inhalation route. Food Chem Toxicol. 42:1389-1399</i>
11	<i>Jonker D, Freidig AP, Groten JP, Hollander AEM de, Stierum RH, Woutersen RA, Feron VJ. (2004) Safety evaluation of chemical mixtures and combinations of chemical and non-chemical stressors. Rev Environm Health 19:83</i>
12	<i>Lina BAR, Woutersen RA, Bruijntjes JP, Benthem J van, Berg JAH van den, Monbaliu J, Thoolen BJJM, Beems RB, Kreijl CF van. (2004) Evaluation of the XPA-deficient transgenic mouse model for short-term carcinogenicity testing: 9-month studies with Haloperidol, Phenacetin, Reserpine and D-Mannitol. Toxicol Pathol. 32:192-201</i>



13	Arts JHE, de Heer C. de, Woutersen RA (2005). Local effects in respiratory tract: relevance of subjectively measured irritation for setting occupational exposure limits. <i>Int Arch Occup Environ Health</i> 79(4):283-298
14	Feron VJ, Woutersen RA. (2005) Safety Evaluation: the benchmark dose method to be used wherever possible. <i>AgroFood Ind Hi-tech.</i> 16:42-45
15	Erk MJ van, Krul CA, Caldenhoven E, Stierum RH, Peters WH, Woutersen RA, Ommen B van. (2005) Expression profiling of colon cancer cell lines and colon biopsies: towards a screening system for potential cancer-preventive compounds. <i>Eur J Cancer Prev.</i> 14:439-457
16	Dihal A, Tilburgs C, Erk M van, Rietjens IMCM, Woutersen RA, Stierum RH. (2007) Pathway and single gene analyses of inhibited Caco-2 differentiation by ascorbate stabilized quercetin suggest enhancement of cellular processes associated with development of colon cancer. <i>Mol Nutr Food Res.</i> 51:1031-1045
17	Arts JHE, Muijser H, Kuper CF, Woutersen RA. (2008) Setting an indoor air exposure limit for formaldehyde: Factors of concern. <i>Regul Toxicol Pharmacol.</i> 52:189-194
18	Pas N van de, Soffers AEMF, Freidig AP, Ommen B van, Woutersen RA, Rietjens IMCM, Graaf AA de. (2009) Systematic construction of a conceptual model of cholesterol metabolism based on knockout mouse phenotypes. <i>Chem.Biol.Int.</i> submitted
19	Kuper CF, Oostrum L van, Gelbke H-P, Strupp R, Ma-Hock L, Kaufmann W, Durrer S, Rubingh CM, Woutersen RA. (2009) Nose-associated lymphoid tissue (NALT) and local lymph nodes in Fischer rats B3C3F1 mice upon 28-day exposure to formaldehyde vapor. <i>Exp Toxicol Pathol.</i> submitted
20	Jong E de, Louisse J, Verwei M, Blaauboer BJ, Sandt H van de, Woutersen RA, Rietjens IMCM, Piersma AH. (2009) Relative Developmental Toxicity of Glycol Ether Alkoxy Acid Metabolites in the Embryonic Stem cell Test as compared with the <i>In Vivo</i> Potency of their Parent Compounds. <i>Toxicol Sci in press</i>