

CURRICULUM VITAE

name René Jan Maria Bindels

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born 19 March 1956 in Venlo, the Netherlands

marital states Married, three children

nationality Dutch

function Professor of Physiology, Chairmen of the department of Physiology, UMC Nijmegen

EDUCATION

06-06-1974 Diploma VWO-B, Canisius College te Nijmegen, *Cum laude*.

28-06-1981 Master degree Biology, Catholic University of Nijmegen.

19-09-1986 Ph.D. at the Medical faculty of the Catholic university of Nijmegen "Phosphate, calcium and magnesium metabolism in the spontaneously hypertensive rat". Promotor prof.dr. S. Slegers en copromotor dr. C.H. van Os.

08-05-1992 Workshop Moleculaire Biology and Recombinant-DNA Technology. University of Utrecht, the Netherlands.

14-06-1996 Course on Teaching (IOWO).

01-05-1999 Course on Management, UMC Nijmegen.

2002-2003 Extensive management training, UMC Nijmegen.

APPOINTMENTS

1982-1986 Ph.D. Student, department of Physiology, University of Nijmegen, Prof.Dr. J. Slegers and Dr. C.H. van Os. Subject: "Characterisation of calcium, magnesium and phosphate homeostasis in the spontaneous hypertensive rat".

1986-1987 Post-Doc, Nephrology Research & Training Center, University of Alabama, Birmingham, AL, USA, Prof.Dr. J. Schafer. Subject: "Regulation of sodium transport by aldosterone and vasopressine in A6 cells and primary cultures of rat collecting ducts".

1988-1998 Assistant Professor, department of Cell Physiology, UMC Nijmegen, Subject "Regulation of salt reabsorption in the collecting duct of the kidney".

1999-2002 Associate Professor, department of Cell Physiology, UMC Nijmegen, Subject "Regulation of salt reabsorption in the collecting duct of the kidney".

2003-present Full Professor and head of the newly established department of Physiology, Radboud University Nijmegen Medical Centre.

2008-present (Elected) Chairmen of the University Council of the Radboud University Nijmegen Medical Centre.

AWARDS

- 1986 Fellowship for a post.doc at the Nephrology & Training Center, University of Alabama, Birmingham, AL, USA.
- 1987 "Jacob Hamburger" award, of the Dutch Society of Physiology for the best physiological thesis of 1986.
- 1992 Award for the best oral presentation 1991 of the Dutch Nephrology Society and Dutch Kidney Foundation.
- 1998 2e lustrum award of the Dutch Kidney Foundation for the successful collaboration between the departments of Cell Physiology, Human Genetics and Pediatrics of UMC St Radboud.
- 2001 Visiting Professor, Departments of Nephrology and Physiology, Center for Mineral Metabolism and Clinical Research, University of Texas Southwestern Medical Center, Dallas, U.S.A.
- 2002 Visiting Professor (Robert Berliner Professor at Yale), Departments of Physiology and Nephrology, School of Medicine, University of Yale, U.S.A.
- 2004 Visiting Professor, Division of Nephrology, Department of Medicine, Tri-Service General Hospital, Taipei, Taiwan.
- 2005 Best teaching course 2004-2005 "Circulation & Respiration I".
- 2005 Elected as member of the Academia Europaea.
- 2006 Elected as most internationally operating department of the Radboud University Nijmegen Medical Centre.
- 2008 Appointed as 'Principal Investigator Plus' by the board of directors of the Radboud University Nijmegen Medical Centre.
- 2009 Quest editor of special issue of Pflügers Archiv – European Journal of Physiology entitled "A molecularly guided tour along the nephron, vol 458, 2009
- 2009 Carl W. Gottschalk Distinguished Lectureship of the American Physiological Society Renal Section, Experimental Biology 2009 Meeting, New Orleans, U.S.A.
- 2009 Robert Pitts Lectureship at the XXXVI International Congress of Physiological Sciences, Kyoto, Japan.
- 2009 Homer Smith Award of the American Society of Nephrology, San Diego, U.S.A.
- 2010 Radboud Medal of the Radboud University Nijmegen Medical Centre, The Netherlands

TEACHING

1988-present Many teaching activities for medical, biomedical sciences and dentistry students. In particular course on metabolism, water and ion homeostasis, circulation and respiration. In addition, several duties on local teaching committee's. He participates in the selection, teaching and coaching of talented students of the international master program "Molecular mechanisms of disease" of our institute NCMLS.

GRANTS

Grants of the UMC Nijmegen:

- RJM Bindels & CH van Os, "*Effecten van calcium-instroomremmers op natrium en calcium reabsorptie in het distale nefron*", (Grant hfl 300.000, period 01-11-1990 until 01-11-1994).
- RJM Bindels & PHGM Willems, "*Signaal-transductie bij de hormonaal gereguleerde calcium reabsorptie in de nier*", (Grant hfl 300.000, period 01-10-1993 until 01-10-1997).
- PHGM Willems & RJM Bindels, "*Rol van subcellulaire stijgingen in cytosolische calciumconcentratie op hormonaal gereguleerde secretie- en transportprocessen in epithelia*", (Grant hfl 300.000, period 01-08-1996 until 01-08-2000).
- RJM Bindels & PHGM Willems, "*Implementering UV Confocale Laser Scanning Microscoop*", (Grant hfl 150.000, period 01-10-1996 until 01-10-1998).
- RJM Bindels, B vd Heuvel, N Knoers, PHGM Willems, "*Functionele implicaties van genetische defecten in het syndroom van Gitelman*", (Grant hfl 300.000, period 01-04-1999 until 01-04-2003).
- PHGM Willems, JAM Smeitink, LW vd Heuvel, RJM Bindels, "*Celbiologische consequenties van kerngecodeerde mutaties in mitochondrieel complex I van de mens*", (Grant hfl 300.000, period 01-10-2000 until 01-10-2004).
- RJM Bindels & PMT Deen, "*Moleculaire regulatie van het nieuwe epitheliale calcium kanaal, ECaC*", (Grant hfl 300.000, period 01-12-2000 until 01-12-2004).

- RJM Bindels & JGJ Hoenderop, “Regulatie van het epitheliale calcium kanaal”, (Grant € 180.000, period 01-01-2002 until 01-01-2006).
- RJM Bindels & JGJ Hoenderop, “TRPV5 and TRPV6 in idiopathic hypercalciuria”, (Grant € 180.000, period 01-01-2004 until 01-01-2008).
- JGJ Hoenderop & RJM Bindels, “Patch-clamp workstation”, (Grant € 46.000, 2004)
- JHG Hoenderop & RJM Bindels, “Regulation by extracellular klotho of TRPV5”, (Grant € 180.000, period 01-01-2006 until 01-01-2010).
- RJM Bindels & NV Knoers, “Molecular mechanism of epidermal growth factor (EGF)-related hypomagnesemia”, (Grant € 180.000, 01-01-2007 until 01-01-2011).

Grants of the National Science Foundation (like the NIH in the USA):

- CH van Os & RJM Bindels, #810-409-04 “Volume en pH regulatie van vasculaire gladde spiercellen” (Grant hfl 300.000, period 01-09-1990 until 01-09-1994).
- CH van Os & RJM Bindels, #900-522-132 “Moleculaire en functionele karakterisering van Ca²⁺ kanalen in enterocyten”, (Grant hfl 300.000, period 01-06-1993 until 01-06-1997).
- RJM Bindels & CH van Os, #805-09.042 “Molecular identification of an epithelial calcium entry transporter”, (Grant hfl 300.000, period 01-01-1999 until 01-01-2003).
- RJM Bindels, #810-38.004 “Functional characterization of the epithelial calcium channel, ECaC”, (Grant hfl 450.000, period 01-10-2000 until 01-10-2003).
- RJM Bindels, #812-08.002 “Regulation of the epithelial calcium channel, ECaC by associated protein complexes”, (Grant € 179.343, period 01-02-2002 until 01-02-2006).
- RJM Bindels & H Van Leeuwen (EUR), #902-18.298 “Regulation of the epithelial calcium channel (ECaC) in kidney, intestine and bone”, (ProgramGrant hfl 1.000.000, period 01-04-2001 until 01-04-2005).
- RJM Bindels, #814-02.001 “Molecular structure of the epithelial calcium channels TRPV5 and TRPV6”, (Grant € 211.221, period 01-07-2004 until 01-07-2008).
- RJM Bindels, N.Knoers, K. Jalink, #814-02.001 “Molecular mechanism of renal magnesium wasting”, (ZonMW TOPGrant € 500.000, period 01-12-2005 until 01-12-2009).
- RJM Bindels, A. Van Kuppevelt, #700.55.302 “Regulation of the glycosylated epithelial calcium channel by N-glycan hydrolysis” (TOPGrant, CW, €675.000, period 01-09-2007 until 01-09-2011).
- RJM Bindels, #812-02.001 “Epidermal growth factor-dependent activation of the epithelial magnesium channel TRPM6”, (Grant € 268.048, period 01-04-2008 until 01-04-2012).
- JHJ Hoenderop, RJM Bindels, “New magnesiotropic genes in health and disease”, (ZonMW TOPGrant € 675.000, period 01-01-2009 until 01-01-2014).

Grants by the Dutch Kidney and Stomach-Intestine-Liver Foundation:

- RJM Bindels & CH van Os, 87.716 “Immuundissectie en primaire kweek van cellen uit het distale nefron”, (Grant hfl 250.000, period 01-10-1988 until 01-10-1991).
- RJM Bindels & CH van Os, 91.1112 “Effecten van calcium-instroom remmers op tubulusepitheel”, (Grant hfl 250.000, period 01-10-1991 until 01-10-1994).
- CH van Os, RJM Bindels, J Wetzels, C92.1242 “Mechanismen van ischemische beschadiging in proximale tubulus”, (Grant hfl 500.000, period 01-02-1993 until 01-02-1997).
- RJM Bindels & CH van Os, C94.1348 “Regulatie van de natrium reabsorptie in de nier”, (Grant hfl 500.000, period 01-10-1994 until 01-10-2000).
- CH van Os, PMT Deen, RJM Bindels, L Monnens, LW vd Heuvel, N Knoers, ProgramGrant C95.5001 “Moleculaire basis van tubulaire transportprocessen en de pathogenese van aangeboren transportstoornissen”, (Grant hfl 937.000, period 01-10-1996 until 01-10-2000).
- RJM Bindels, LW vd Heuvel, N Knoers, C97.1662 “Functionele implicaties van genetische defecten in het syndroom van Bartter”, (Grant hfl 300.000, period 01-10-1998 until 01-10-2002).
- RJM Bindels & CH van Os, C00.1881 “In vivo regulation of the new epithelial calcium channel”, (Grant hfl 475.000, period 16-11-2001 until 16-11-2004).
- RJM Bindels, C02.2030 “Molecular identification and characterization of magnesium transporters involved in renal magnesium wasting”, (Grant € 250.000, period 01-08-2003 until 01-08-2007).
- RJM Bindels, C05.4106 “Renal WNK kinases in the control of blood pressure”, (Grant € 250.000, period 01-11-2005 until 01-11-2009).
- JGJ Hoenderop & RJM Bindels, C06.1270 “Klotho, a new paracrine kidney hormone regulating renal calcium and phosphate handling” (Nierstichting Grant € 250.000, period 16-04-2007 until 16-04-2010).
- JGJ Hoenderop, T Naber & RJM Bindels, MWO 03-19 “Role of TRPV6 in inflammatory bowel disease”, (Grant € 160.000, period 01-02-2004 until 01-02-2008).
- JGJ Hoenderop, RJM Bindels, C08.2252 “Potassium: the missing link in renal magnesium handling”, (Grant € 250.000, period 01-05-2008 until 01-05-2012).

Grants by other organizations:

- RJM Bindels, European Union, Human Capital and Mobility ERB405PL932549 “Regulation of calcium reabsorption in the distal nephron”, (Grant € 64.000, period 01-01-1995 until 01-01-1998).
- RJM Bindels & D Müller, University of Kiel “Molekulare Charakterisierung und Regulation des apikalen Kalziumtransportmechanismus im kortikalen Sammelrohr der Niere”, (Grant DEM 100.000, period 01-01-1999 until 01-10-2000).
- RJM Bindels & D Müller, Deutsche Forschungs Gemeinschaft (DFG), “Regulation des Epithelialen Kalziumkanals (ECaC) durch Vitamin D Analoga”, (Grant DEM 80.000, period 01-02-2001 until 01-02-2002).
- RJM Bindels, BonCare, USA. “Screening of vitamin D derivatives on the expression of TRPV5 and TRPV6” (Grant \$ 180.000, period 2001 until 2003).
- RJM Bindels (coordinator), B Nilius, A Engel and S Heller, Human Frontier Science Program RGP32/2004 “Structure and function of TRP-V cation channels”, (Grant € 1.350.000, period 01-09-2004 until 01-09-2007).

Collaborations within the University

Biochemistry FMW (dr. PHGM Willems, prof.dr. JJ de Pont)
 Pharmacology (prof.dr. FGM Russel)
 Nephrology (dr. JA Wetzels)
 Pediatrics (dr. B van den Heuvel, prof.dr. J Smeitink, prof.dr. L Monnens)
 Human Genetics (dr. N Knoers)
 Endocrine disorders (prof.dr. A Hermus)
 Exp. Animal Physiology FNW (prof.dr. G Martens)

Collaborations (national and international)

prof.dr. B Nilius (Fysiologie, Katholieke Universiteit van Leuven, België)
 prof.dr. H van Leeuwen (Interne geneeskunde, Erasmus Universiteit Rotterdam)
 prof.dr. J Lytton (Renal division, Harvard Medical School, Boston, USA)
 prof.dr. W van Driesschen (Fysiologie, Universiteit van Leuven, België)
 dr. H de Jong (Celbiologie, Erasmus Universiteit, Rotterdam)
 prof.dr. S Lohmann (Biochemie, Universität Würzburg, Deutschland)
 prof.dr. B Blazer (Dept. of Biology, Indiana University Purdue University at Indianapolis, USA.)
 prof.dr. F Lang (Physiologisches Inst, Eberhard-Karls-Universität, Tübingen, Deutschland)
 prof.dr. A Capasso (Cattedra di Nefrologia, Sec. Università degli studi di Napoli, Napoli, Italia)
 prof.dr. A Di Stefano (Dép. Biologie Cellulaire et Moléculaire, Ce Saclay, Gif sur Yvette, France)
 prof.dr. B Rossier (Institut de Pharmacologie et de Toxicologie, Lausanne, Swiss)
 prof.dr. R Bouillon (Endocrinologie, Katholieke Universiteit van Leuven, België)
 prof.dr. M Imai (Pharmacology, Jichi University, Tochigi, Japan)

(Co-)promotor of Ph.D. thesis

08-09-1992 dr. JA Timmermans, "Identification of Ca²⁺ binding proteins and Ca²⁺-ATPases in intestine and kidney".
 24-05-1994 dr. SL Abrahamse, "Localization and functional aspects of rabbit colonic (H⁺/K⁺)-ATPase".
 22-06-1994 dr. UM Rose, "The role of intracellular calcium in anoxia-induced cell injury in renal epithelial cells".
 20-06-1995 dr. NJH Raat, "Signal transduction in cell volume regulation".
 19-04-1996 dr. H. Koster, "Regulation of ion transport in the rabbit distal nephron".
 12-01-1998 dr. S. Peters, "Cellular mechanisms of ischemic renal tubular epithelial injury".
 23-03-1998 dr. M. van Kuijk, "ABC of a multispecific organic anion transporter".
 14-01-1999 dr. J. van Baal, "Regulation of active calcium reabsorption: a cell culture study".
 25-04-2000 dr. J. Hoenderop, "Towards a comprehensive molecular model of active calcium reabsorption",
Cum laude.
 17-09-2001 dr. L. Dijkink, "Aldosterone-regulated sodium transport in the kidney".
 03-12-2003 dr. P. Starremans "Functional implications of mutations identified in Bartter Syndrome".
 15-01-2004 dr. J. de Jong "Functional implications of mutations identified in Gitelman Syndrome".
 20-09-2005 dr. S. van de Graaf "Regulation of the epithelial Ca²⁺ channels TRPV5 & TRPV6 by associated
 proteins".
 23-11-2005 dr. P. de Groot "Cardiovascular Adaptations in Spinal Cord- Injured Individuals".
 10-01-2006 dr. M. van Abel "Insight into the hormonal regulation of the epithelial calcium channels TRPV5 and
 TRPV6".
 22-06-2006 dr. T. Nijenhuis "Epithelial calcium and magnesium channels in health and disease", *Cum laude*.
 06-11-2006 dr. D. Gkika "Molecular partners of the TRPV5 channel: an odyssey into the regulation of epithelial Ca²⁺
 transport".
 06-12-2006 dr. J. Robben "Functional rescue of mutant vasopressin V2 receptors in nephrogenic diabetes
 insipidus".
 05-03-2007 dr. T. Lambers "Interdisciplinary perspectives in TRPV5 and TRPV6 physiology".
 15-05-2007 dr. Q. Chang "Structure and regulation of the epithelial calcium channels TRPV5 and TRPV6".
 21-08-2008 dr. C. Topala "Current insights in the epithelial calcium and magnesium channel physiology"
 16-01-2009 dr. W. Tiel Groenestege "New insights in the regulation of the epithelial magnesium channel TRPM6 in
 kidney and intestine"
 23-01-2009 dr. K.Y. Renkema "Renal hypercalciuria: a physiological TRiP along the calciotropics"
 12-10-2009 dr. S. Huybers "Unraveling intestinal calcium absorption in health and disease"
 12-10-2009 dr. J. Schoeber "Physiology of the epithelial calcium channels: towards the molecular regulation of
 TRPV5 and TRPV6"
 01-02-2010 dr. G. Cao "TRPM6 and its auxiliary proteins: the molecular puzzle of transepithelial magnesium
 transport"
 08-09-2010 dr. Y. Hsu "New insights into the regulation of electrolyte reabsorption in the distal part of the nephron".

Invited speaker on International meetings

- Int. symposium on calcium regulating hormones, body functions and kidney, Nara, September 1990, participants ~200, title: "Regulation and function of calcium-binding proteins".
- Society for Experimental Biology, Canterbury, juli 1993, participants ~200, title: "Regulation of the calcium balance".
- KNAW Workshop "Cell Calcium", Amsterdam, mei 1993, participants ~100, title: "Calcium transport in de nier".
- Wintermeeting of the Austrian Nephrology Society, Salzburg, maart 1998, participants ~ 100, title: "Regulation of calcium reabsorption".

- Int. symposium on genetic renal tubular disorders, maart 1999, Nijmegen, participants ~100, title: "*A molecular basis of active calcium reabsorption*".
- First international conference on control and diseases of sodium-dependent transport proteins and ion channels, augustus 1999, Shizuokao, participants ~250, title: "*Molecular identification and characterization of a new epithelial calcium channel*".
- 32th Annual meeting of the American Society of Nephrology, october 1999, Miami, participants ~8000, title: "*Mechanisms and regulation of tubular calcium transport: recent aspects*".
- Annual Congress of European Renal Association/European Dialysis and Transplant Association, september 2000, Nice, Participants ~5000, title: "*Molecular identification of a new epithelial calcium channel*".
- 33th Annual meeting of the American Society of Nephrology, november 2000, Toronto, participants ~10.000, title: "*The novel epithelial calcium channel: the gatekeeper in active calcium reabsorption*".
- 12th Protein Kinase Symposium, juni 2000, Bad Brückenau, participants ~200, title: "*cGMP-dependent protein kinase regulation of renal calcium transport*".
- Nederlandse Nefrologiedagen, March 2001, Noordwijkerhout, participants ~350, title: "*Regulatie van calcium reabsorptie in de nier*".
- 1st SFB 530 Colloquium "spatio-temporal interactions of cellular signalling molecules", mei 2001, Homburg, participants ~100, title: "*The epithelial calcium channel, ECaC: Gatekeeper in active calcium (re)absorption*".
- XIXth Annual Symposium of the Membrane Transport Research Group, June 2001, Montreal, participants ~250, title: "*Insights into calcium transport in the distal tubule*".
- 8th international workshop on Developmental Nephrology: genes, morphogenesis and function, August 2001, Vancouver, participants ~500, title: "*The epithelial calcium channel: the gatekeeper in active calcium reabsorption*".
- 9th European Symposium on Urolithiasis, September 2001, Rotterdam, participants ~250, title: "*Transepithelial calcium transport*".
- 7th European Symposium on calcium binding proteins in normal and transformed cells, June 2002, Brussel, participants ~500, title: "*New calcium channels*".
- XXXIX Annual Congress of European Renal Association/European Dialysis and Transplant Association, July 2002, Copenhagen, participants ~5000, title: "*Calcium transport mechanisms in kidney and intestine: an update*".
- The Physiological Society, September 2002, Leeds, participants ~500, Renal physiology designated lecture: "*The epithelial calcium channel: from identification towards pathophysiology*".
- Nephro-Urology Week of Great Osmond Street Hospital, March 2003, Londen, participants ~150, title: "*Regulation of calcium reabsorption*".
- Symposium on transport of ions and macromolecules in health and disease, March 2003, Halle, participants ~200, title: "*Regulation of calcium transport processes*".
- 3rd Federation of European Physiological Societies (FEPS), July 2003, Nice, participants ~1000, title: "*The family of epithelial calcium channels: from identification to function and regulation*".
- ISN's World Congress of Nephrology, June 2003, Berlin, participants ~8000, title: "*The family of epithelial calcium channels: from identification to function and regulation*".
- 36th Annual meeting of the American Society of Nephrology, November 2003, San Diego, participants ~10.000, title: "*Epithelial calcium and magnesium channel*".
- 2nd SFB 350 Colloquium Spatio-temporal interactions of cellular signaling molecules, Homburg, May 2004, participants ~100, title: "*Molecular regulation of TRPV5 and TRPV6 by associated proteins*".
- 25th Rauischholzhausen Symposium, June 2004, Rauischholzhausen, Germany, participants ~100, title: "*Pathophysiology of the epithelial calcium channels*".
- 37th Annual meeting of the American Society of Nephrology, October 2004, St Louis, participants ~10.000, title: "*TRP channels as gate-keepers of ion homeostasis*".
- Gordon Research Conference on Membrane Transport Proteins, October 2004, Les Diablerets, Switzerland, participants ~200, title: "*TRP channels and hypomagnesemia syndromes*".
- Symposium organized by British Physiological Society, December 2004, Manchester, UK, title "*TRP channels: a new exciting family*".
- Gordon Research Conference on magnesium in biochemical Processes and Medicine, February 2005, Ventura, USA, participants ~200, title: "*TRPM6 and TRMP7: chanzymes essential for magnesium homeostasis*".
- 2005 International Union of Physiological Societies (IUPS) Congress, April 2005, San Diego, participants ~10.000, title: "*Deregulation of the epithelial calcium and magnesium channels in health and disease*".
- ERA-EDTA XLII Congress, June 2005, Istanbul, Turkey, participants ~5000, titles: "*Coordinated regulation of renal calcium transport proteins by vitamin D and dietary calcium*" and "*Genetics of tubular disorders related to magnesium homeostasis*".
- Gentner Symposia, February 2006, Ellat, Israel, participants ~200, title: "*TRP channels and calcium signalling*".
- Biochemical Society focused meeting, September 2006, Bath, UK, participants ~200 "Cell and molecular biology of TRP channels".
- 11th International Magnesium Symposium, October 2006, Kashikojima, Japan, participants ~500, title: "*TRPM6 as gate-keeper of the magnesium homeostasis*".
- Gordon Research Conference, July 2007, Tilton, USA, participants ~100, title: "*Function of TRPV5/TRPV6 channels in calcium reabsorption in epithelia*".
- Keystone Symposia Meeting, September 2007, Breckenbridge, USA, participants ~150, title: "*Regulation of Epithelial TRP Channels*".
- Australian Physiological Society, December 2007, Newcastle, Australia, participants ~100, title: "*A TR(I)P through the world of epithelial calcium and magnesium channels*".
- Gordon Research Conference, March 2008, Ventura, USA, participants ~100, title: "*The epithelial magnesium channel TRPM6 in health and disease*".
- ERA-EDTA XLV Congress, May 2008, Stockholm, Sweden, participants ~5000, title: "*The molecular physiology of renal calcium handling*".

- Gordon Research Conference, July 2008, Il Ciocco, Italy, participants ~100, title: “*TRPM6, TRPM7 in renal tubular disorders*”.
- The annual “*ion channel*” meeting, September 2008, France, participants ~200, title: “*TRP channels and the kidney*”.
- The annual meeting of the Korean Physiological Society, October 2008, Seoul, participants ~500, title: “*Ins and outs of epithelial calcium and magnesium channels*”.
- 41st Annual meeting of the American Society of Nephrology, November 2008, Philadelphia, participants ~10.000, title: “*Molecular Physiology of Renal Magnesium Transport: Implications for Human Disease*”.
- Carl W. Gottschalk Distinguished Lectureship, Experimental Biology 2009 Meeting, April 2009, New Orleans, U.S.A.), participants ~12.000, title: “*New insights in epithelial calcium and magnesium channels in health and disease*”.
- ERA-EDTA XLVI Congress, May 2009, Milan, Italy, participants ~5000, title: “*Hypomagnesemia*”.
- Robert Pitts Lectureship at the XXXVI International Congress of Physiological Sciences, July 2009 Kyoto, Japan, , participants ~8.000, title: “*A TR(i)P along the epithelial calcium and magnesium channels in the kidney*”.
- TRP channels from sensory signaling to human disease, September 2009, Stockholm, Sweden, participants ~200, title: “*Role of Epithelial TRP Channels*”.
- Annual meeting of the American Society of Nephrology, October 2009, San Diego, U.S.A., participants ~1500, Plenary lecture title: “*Minerals on the move: from identification of transporters to new concepts*”.
- ERA-EDTA XLVII Congress, June 2010, Munich, Germany, participants ~5000, title: “*Mineral handling in the kidney*”.
- International TRP meeting, September 2010, Leuven, Belgium, participants ~150, title: “*TR(i)P through the world of epithelial calcium and magnesium channels*”.
- The Andreoli lecture, November 2010, Birmingham, AL U.S.A., participants ~100, Plenary lecture title: “*Minerals on the move*”.

MANAGEMENT

Editor

2001-present	Invited review editor, American Journal of Physiology, Renal section.
2004-2006	Member of the editorial board of EJP - Pflügers Archiv
2005-present	Member of the editorial board of J American Society of Nephrology
2006-present	Member of the editorial board of Acta Physiologica
2007-present	Member of the editorial board of American Journal of Physiology- Renal section
2007-present	Member of the editorial board of Magnesium Research
2007-present	Executive editor of EJP - Pflügers Archiv: Epithelial Physiology

Reviewer for

- American Journal of Physiology; Cell Calcium; Faseb Journal; Journal of American Society of Nephrology; Journal of Physiology; Kidney International; Pflügers Archiv; Journal Clinical Investigation; Proceedings National Academy of Sciences.
- ZonMW; NWO; INSERM; The Wellcome trust; Oesterreichische Nationalbank; The Kidney Foundation; Universiteit van Leuven.
- Member of the grant commission of Federation Scientific Research of Belgium (Vlaanderen), FWO (2005-2007).
- 2006-present Member and chairmen of ZonMW TOP commissie
- Member of international committees including the Physiology and Cell Biology Advisory group of the American Society of Nephrology.

Memberships

- Nederlandse Vereniging voor Fysiologie
- Nederlandse Vereniging voor Nefrologie
- Nederlandse Vereniging voor Biofysica
- American Physiological Society
- American Society of Nephrology
- International Society of Nephrology
- Research Council of NCMLS

Organization of meetings

- KNAW workshop “Cell Calcium”, 15-17 November 1993, Amsterdam.
- Joint meeting Dutch and English Physiological Societies, 10 & 11 June 1994, Nijmegen.
- AIO workshop “Advances in cellular signalling. Theoretical and practical approaches”, 14-16 November 1994, Nijmegen.
- NWO-SLW, Afdeling Moleculaire en Cellulaire Biofysica, Lunterenconferentie, 29 & 30 October 1996, Lunteren.
- 13e Papendalsymposium, Ned. Ver. voor Fysiologie, “Moleculaire Biologie en Fysiologie: een strategische alliantie”, 12 & 13 December 1997, Arnhem.
- NWO-ALW, Afdeling Moleculaire en Cellulaire Biofysica, Lunterenconferentie, 20 & 21 October 1998, Lunteren.
- 14e Papendalsymposium, Ned. Ver. voor Fysiologie, “Hartfalen”, 7 & 8 December 1998, Arnhem.
- 15e Papendalsymposium, Ned. Ver. voor Fysiologie, “Terugblik op fysiologie in de 20e eeuw”, 9 & 10 December 1999, Arnhem.
- NWO-ALW, Afdeling Moleculaire en Cellulaire Biofysica, Lunterenconferentie, 4 & 5 October 2000, Lunteren.
- 16e Papendalsymposium, Ned. Ver. voor Fysiologie, “Use it or loose it”, 14 & 15 December 2000, Arnhem.
- 1st Dutch Nephrology days, 15 & 16 March 2001, Noordwijkerhout.

- 17e Papendalsymposium, Ned. Ver. voor Fysiologie, "Pathofysiologie van obesitas en diabetes type II", 13 & 14 December 2001, Arnhem.
- 2nd Dutch Nephrology Days, 4 & 5 April 2002, Noordwijkerhout.
- NWO-ALW, Afdeling Moleculaire en Cellulaire Biofysica, Lunterenconferentie, 7 & 8 October 2002, Lunteren.
- 3rd Dutch Nephrology Days, 11 & 12 March 2003, Veldhoven.
- 12th Workshop on Vitamin D, 6-10 July 2003, Maastricht.
- 4th Dutch Nephrology Days, 25 & 26 March 2004, Veldhoven.
- 5th Dutch Nephrology Days, 5 & 6 april 2005, Veldhoven.
- 6th Dutch Nephrology Days, 4 & 5 april 2006, Veldhoven.
- 1st Nexus meeting of Int Soc of Nephrology, 12 & 15 October 2006, Copenhagen.
- Gordon Research conferences on Magnesium in biochemical processes and medicine. 9-14 March 2008, organized a session on Functional and evolutionary aspects of cellular magnesium transport, Ventura, CA, USA.

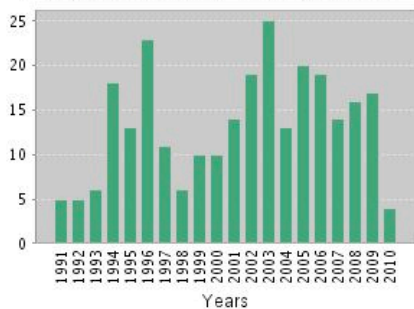
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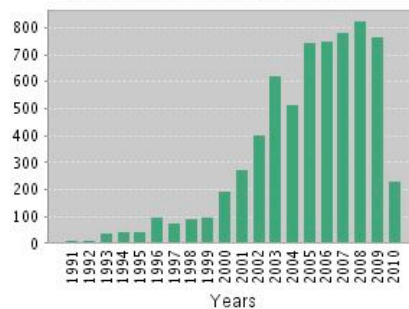
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