

# Curriculum Vitae and Bibliography

## Jan M van Deursen, Ph.D.

### Personal Information

Citizenship: Netherlands  
Work Address: Mayo Clinic Rochester  
200 First St SW  
Rochester, MN 55905-0001  
507-284-2524  
Email Address: VanDeursen.Jan@mayo.edu

### Present Academic Rank and Position

**Director** - Gene Knockout Core Facility, Mayo Clinic, Rochester, Minnesota 1999 - Present

**Consultant** - Division of Community Pediatric and Adolescent Medicine, Department of Pediatric and Adolescent Medicine, Mayo Clinic, Rochester, Minnesota 2003 - Present

**Consultant** - Division of Pediatric Hematology/Oncology, Department of Pediatric and Adolescent Medicine, Mayo Clinic, Rochester, Minnesota 01/2003 - Present

**Consultant (Joint Appointment)** - Department of Biochemistry and Molecular Biology, Mayo Clinic, Rochester, Minnesota 01/2003 - Present

**Full Faculty Privileges in Biochemistry & Molecular Bio.** - Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science 03/2006 - Present

**Professor of Biochemistry and Molecular Biology** - Mayo Clinic College of Medicine and Science 04/2007 - Present

**Professor of Pediatrics** - Mayo Clinic College of Medicine and Science 04/2007 - Present

**Professor of Pathology and Molecular Medicine** - University of Groningen 02/2009 - Present

**Director** - Senescence Program, Robert and Arlene Kogod Center on Aging, Mayo Clinic, Rochester, Minnesota 05/2009 - Present

**Co-Leader** - Cell Biology Program, Mayo Clinic Cancer Center, Rochester, Minnesota 08/2011 - Present

**Chair** - Department of Biochemistry and Molecular Biology, Mayo Clinic, Rochester, Minnesota 02/2012 - Present

### Education

University of Nijmegen, Nijmegen, Netherlands - BS, Biology 1980 - 1984  
University of Nijmegen, Nijmegen, Netherlands - MS, Molecular Biology 1984 - 1988  
University of Nijmegen, Nijmegen, Netherlands - PhD, Cell Biology 1988 - 1994

### Certification

#### Board Certifications

##### Mayo Clinic Quality Academy

Mayo Clinic Quality Fellow: Bronze Level Certification 2011

## Honors and Awards

<b>Van Nieuwenhoven Award</b> – Faculty of Physical and Biological Science, University of Nijmegen, Netherlands, Netherlands	1987
<b>Hans Bloemendal Award</b> – Hans Bloemendal Foundation, University of Nijmegen, Netherlands	1994
<b>Distinguished Lecturer</b> – Mayo Clinic, Rochester, Minnesota	2004
<b>Robert and Arlene Kogod Program on Aging Directors Award</b> – Mayo Clinic, Rochester, Minnesota	2005
<b>Senior Scholar Award in Aging</b> – Ellison Medical Foundation, Wood Hole, Massachusetts	2008
<b>Distinguished lecturer</b> – Mayo Clinic, Rochester, Minnesota	2008
<b>Honorary Professor</b> – University of Groningen, Netherlands	2009
<b>Vita Valley Professor of Cellular Senescence</b> – Mayo Clinic College of Medicine and Science, Rochester, Minnesota	2009
<b>Honorary Professor</b> , Nijmegen University, The Netherlands	2010
<b>Breakthrough of the Year runner-up</b> , Science Magazine	2011
<b>Investigator of the Year</b> – Mayo Clinic, Rochester, Minnesota	2012
<b>Danny Thomas Lecturer</b> , St. Jude Children's Research Hospital	2012
<b>Co-founder Unity Biotechnology</b> , San Francisco	2012
<b>Member Paul F. Glenn Laboratories of Senescence</b> , Mayo Clinic, USA	2013
<b>Breakthrough of the Year runner-up</b> , Science Magazine	2016
<b>Distinguished Mayo Clinic Investigator</b> , Mayo Clinic, USA	2017

## Previous Professional Positions and Major Appointments

<b>Consultant</b> – St. Jude's Children's Research Hospital, Memphis, Tennessee	1993 – 1994
<b>Research Associate</b> – St. Jude's Children's Research Hospital, Memphis, Tennessee	1994 – 1996
<b>Supervisor</b> – Transgenic and Knockout Mouse Facility, St. Jude's Children's Research Hospital, Memphis, Tennessee	1994 – 1996
<b>Assistant Member</b> – Department of Genetics, St. Jude's Children's Research Hospital, Memphis, Tennessee	1996 – 1999
<b>Senior Associate Consultant</b> – Division of Pediatric Research Laboratories, Department of Pediatric and Adolescent Medicine, Mayo Clinic, Rochester, Minnesota	1999 – 2003
<b>Consultant</b> – Division of Pediatric Hematology/Oncology, Department of Pediatric and Adolescent Medicine, Mayo Clinic, Rochester, Minnesota	01/1999 – 01/2003
<b>Associate Professor in Pediatrics</b> – Mayo Clinic College of Medicine and Science	04/1999 – 03/2007
<b>Full Faculty Privileges in Tumor Biology</b> – Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science	04/1999 – 03/2006
<b>Associate Professor in Biochemistry and Molecular Biology</b> – Mayo Clinic	04/2003 – 03/2007

College of Medicine and Science

## Professional and Community Memberships, Societies, and Services

### Professional Memberships and Services

American Association for Cancer Research Member	2007 – Present
American Society for Cell Biology Member	2007 – Present
American Society of Hematology Member	1995
Gerontological Society of America Member	2013

### Study Sections

American Federation for Aging Research Review Panel Ad Hoc Member	2008
National Institutes of Health Study Sections ZRG1 CAMP01 (Cancer Molecular Pathobiology) – National Cancer Institute Member	2002 – 2007
NCI Study Sections Developmental Therapeutics Study Section Ad hoc Scientific Reviewer	2003 – 2004
NTD study section Ad Hoc Member	2008

### Journal Responsibilities

#### Journal Editorial Responsibilities

Methods in Molecular Biology Ad Hoc Editor
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#### Journal Other Responsibilities

Blood Ad Hoc Reviewer
Cancer Cell Ad Hoc Reviewer
Cancer Research Ad Hoc Reviewer
Cell Death and Differentiation Ad Hoc Reviewer
Developmental Cell Ad Hoc Reviewer
EMBO Journal Ad Hoc Reviewer
Genes and Development Ad Hoc Reviewer
Genes, Chromosomes and Cancer Ad Hoc Reviewer

Journal of Cell Biology

Ad Hoc Reviewer

Journal of Cell Science

Ad Hoc Reviewer

Leukemia

Ad Hoc Reviewer

Molecular and Cellular Biology

Ad Hoc Reviewer

Nature

Ad Hoc Reviewer

Nature Cell Biology

Ad Hoc Reviewer

Oncogene

Ad Hoc Reviewer

Proceedings of the National Academy of Sciences of the United States of America

Ad Hoc Reviewer

Science

Ad Hoc Reviewer

Trends in Cell Biology

Ad Hoc Reviewer

## **Educational Activities**

### **Teaching Intramural**

Molecular Genetics Course	1999 - Present
BMB 5000: Introduction to Cancer Biology: Molecular, Cellular, and Genetic Basis of Cancer	1999 - Present
Mouse Models of Carcinogenesis	
Mayo Graduate School	
Rochester, Minnesota	
Tumor Biology Course	2001 - 2006

**Mentorship**

Kasper, Lawryn (Predoctoral Fellow)	01/1996 - 01/2003
McCartney, Katherin (SURF Student)	01/1999
Yu, Chao (Postdoctoral Fellow)	01/1999
Kang-Decker, Ningling (Postdoctoral Fellow)	01/1999 - 01/2001
Wu, Xiaosheng (Research Associate)	01/1999 - 01/2001
Wang, Xianshu (Postdoctoral Fellow)	07/1999 - 07/2001
Mantcheva, George (Special Project Associate)	09/1999 - 04/2000
Mow, Ben (Resident)	01/2000
Wilhelmson, Krista (SURF Student)	01/2000
Conover, Cheryl (Sabbatical Scientist)	01/2000 - 01/2001
Gazi, Mozammel (Postdoctoral Fellow)	01/2000 - 01/2002
Mantcheva, Ralitzia (Postdoctoral Fellow)	03/2000 - 01/2001
<b>Description:</b>	
Babu, Jeganathan Ramesh (Postdoctoral Fellow)	07/2000 - 01/2003
Price, Jacqueline (SURF Student)	01/2001
Kang-Decker, Ningling (Senior Research Fellow)	01/2001 - 01/2003
Tong, Caili (Special Project Associate)	01/2001 - 01/2004
Kopecka, Alena (Visiting Medical Student)	07/2001 - 10/2001
Rensen, Sander (Visiting Graduate Student)	01/2002
Kao, Esther (SURF Student)	01/2003
Pelletier, Richard (Senior Research Fellow)	01/2003
Al-Zien, Naser (Clinical Fellow)	01/2003 - 01/2005
Dawlaty, Meelad (Rotation Student)	01/2004
Tong, Caili (Postdoctoral Fellow)	01/2004 - 01/2005
Hartman, Tyler (Resident)	01/2004 - 01/2007
Baker, Darren (Ph.D. Student)	01/2004 - 01/2008
Jeganathan, Karthikbabu (Ph.D. Student)	01/2004 - 01/2008
Malureanu, Liviu (Postdoctoral Fellow)	01/2004 - 01/2010

Wasilewski, Lisa (SURF Student)	05/2004 - 07/2004
Chakraborty, Papia (Visiting Graduate Student)	07/2004
Hamada, Masakazu (SURF Student)	01/2005
Ip, Wui (SURF Student)	01/2005
Dawlaty, Meelad (Predoctoral Fellow)	01/2005 - 01/2008
Jin, Fang (Postdoctoral Fellow)	01/2005 - 01/2010
de Groen, Rik (Summer Student)	01/2006
Rommelflanger, Diana (SURF Student)	01/2006
Galardy, Paul (Senior Associate Consultant)	01/2006 - 01/2009
van Ree, Janine (Postdoctoral Fellow)	10/2006 - 01/2011
de Groen, Rik (Summer Student)	01/2007
Guillon, Oliver (Summer Student)	01/2007
Hamada, Masakazu (Predoctoral Fellow)	01/2007 - 01/2010
Ricke, Robin (Postdoctoral Fellow)	01/2007 - 01/2014
Jeganathan, Karthikbabu (Postdoctoral Fellow)	01/2008 - Present
Bledsoe, Krista (Rotation Student)	01/2008
Liu, Limin (Postdoctoral Fellow)	01/2008
Baker, Darren (Postdoctoral Fellow)	01/2008 - 01/2011
Nam, Hyun-ja (Postdoctoral Fellow)	01/2009 - 10/2016
Kashani, Mahdi (Masters Student)	04/2009 - 02/2010
Haeger, Anna (Visiting Predoctoral Student)	01/2010 - 01/2011
Malureanu, Liviu (Research Associate)	01/2010 - 01/2014
Wijshake, Tobias (Visiting Predoctoral Student)	04/2010 - 01/2012
Harrison, Andrew (Rotation Student)	05/2010 - 07/2010
Naylor, Ryan (Rotation Student)	05/2010 - 07/2010
van Ree, Janine (Research Associate)	01/2011 - Present
Hamada, Masakazu (Postdoctoral Fellow)	01/2011 - 01/2012
Lee, Ho (Postdoctoral Fellow)	01/2011 - 01/2012

Hurley, Erin (Postdoctoral Fellow)	01/2011 - 01/2014
Baker, Darren (Associate Consultant)	01/2011 - 09/2016
Weaver, Robbyn (Predoctoral Student)	01/2011 - 11/2016
Childs, Bennett (Predoctoral Student)	01/2012 - Present
Harrison, Andrew (Predoctoral Student)	01/2012
van der Stigl, Rogier (Visiting Predoctoral Student)	01/2012
Naylor, Ryan (Predoctoral Student)	01/2012 - 05/2016
de Voer, Richarda (Visiting Scientist)	11/2012
<b>Description:</b>	
Hommerding, Cynthia (Rotation Student)	01/2013
Jacobson, Elli (Summer Student)	01/2013
Olson, Rory (Rotation Student)	01/2013
Wijers, Melinde (Visiting Graduate Student)	01/2013
Zhong, Jian (Postdoctoral Fellow)	01/2013 - 01/2016
Kanakkanthara, Arun (Postdoctoral Fellow)	07/2013 - 03/2016
Al-Suraih, Mohammed (Undergraduate Student)	01/2014 - Present
Aziz, Khaled (Predoctoral Student)	01/2014 - Present
Sieben (Hommerding), Cynthia (Predoctoral Student)	01/2014 - Present
Limzerwala, Jazeel (Rotation Student)	01/2014
Hamada, Masakazu (Research Fellow)	01/2015 - Present
Hamada, Naomi (Research Fellow)	01/2015 - Present
Limzerwala, Jazeel (Predoctoral Student)	01/2015 - Present
Santiago, Annyoceli (Predoctoral Student)	01/2015 - Present
Sturmlechner, Ines (Visiting Graduate Student)	01/2015 - Present
Cao, Xiuqi (Undergraduate Student)	01/2015
Santiago, Annyoceli (Special Project Associate)	01/2015
Zhang, Ray (Undergraduate Student)	01/2015
Durik, Matej (Postdoctoral Fellow)	01/2015 - 02/2017

Aziz, Asef (Predoctoral Student)	07/2015 - Present
van Deursen, Willemijn (Undergraduate Student)	06/2016 - 07/2016
Grasic, Jan (Masters Student)	08/2016 - 02/2017
Gluscevic, Martina (Rotation Student)	09/2016 - 10/2016
<b>Description:</b>	
<b>Current Status:</b>	
<b>Outcome:</b>	
Kurani, Shaheen (Predoctoral Student)	11/2016 - Present
Gluscevic, Martina (Predoctoral Student)	12/2016 - Present
Sine, Chance (High School Student)	06/2017 - 08/2017
Stutchman, Jeremy (Summer Undergraduate Research Student)	07/2017 - Present
van Deursen, Eric-Jan (Summer Research Student)	07/2017 - Present
van Deursen, Willemijn (Summer Undergraduate Research Student)	07/2017 - Present
<b>Description:</b>	
Banni, Aml (Research Trainee)	07/2017 - 08/2017
Can, Ismail (Predoctoral)	07/2017 - Present
Can, Ismal (Predoctoral Student)	02/2018 - Present



## Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities

### Mayo Clinic

Department of Education Administration

Mayo Clinic College of Medicine

Mayo Graduate School

M.D./Ph.D. Committee

Member

2012 - Present

Molecular Genetics Course

Member

1999 - Present

Tumor Biology

Member

1999 - Present

Mayo Clinic Cancer Center

Member

1999 - Present

Core Faculty Member

2004 - Present

Cell Biology Program

Member

2002 - Present

Co-Director

2011 - Present

Mayo Clinic Committees

Advisory Council to the Executive Dean for Research

Member

2013 - Present

Institutional Animal Care and Use Committee

Member

1999 - 2002

Management Team - Mayo Clinic

Trip and Travel Committee

Member

2013 - Present

Mayo Clinic Research Committee

Mayo Clinic Scientific Advisory Council

Vice Chair

2013 - Present

Research Management System Subcommittee

Member

2008 - Present

Research Personnel Subcommittee

Member

2008 - 2014

### Mayo Clinic in Rochester

Department of Internal Medicine

Robert and Arlene Kogod Program on Aging

Career Development Program

Co-Director

2005 - Present

Gene Knockout Core Facility

Director

1999 - Present

## Presentations Extramural

**National or International****Invited**

Targeted Mutagenesis of the Individual Members of the Creatine Kinase Gene Family Meeting Mouse Molecular Genetics Meeting Heidelberg, Germany	1991
Skeletal Muscles of Mice Deficient in M-CK Lack Burst Activity Meeting Mouse Molecular Genetics Meeting Heidelberg, Germany	1993
The CAN Proto-oncogene is an Essential Nucleoporin in Early Mouse Embryogenesis Meeting Mouse Molecular Genetics Meeting Heidelberg, Germany	1995
The CAN Proto-oncogene is Essential in Early Mouse Embryogenesis Meeting American Society of Hematology Seattle, Washington	1995
G2 Arrest and Defective Nucleocytoplasmic Transport in Blastocysts Lacking the Proto-oncogene CAN/NUP214 Meeting Mouse Molecular Genetics Meeting Cold Spring Harbor, New York	1996
The Proto-oncogene DEK Plays a Key Regulatory Role in the Immune Response Meeting American Society of Hematology Orlando, Florida	1996
FG-repeat Containing Nucleoporins in Human Disease. Meeting European Molecular Biology Laboratories (EMBL) Heidelberg, Germany	2000
Role of Chromosomal Instability in Cancer Development. Meeting Genetics Society Rochester, Minnesota	2003
Role of Rae1 in mitosis Meeting Vertebrate Pore Meeting Atlanta, Georgia	2003

Rae1 and Nup98 in Chromosome Segregation Meeting Nuclear Transport Meeting Catania, Italy	2003
Role of Nup98 and Rae1 in mitosis Meeting Vertebrate Pore Meeting Bethesda, Maryland	2004
BubR1 in Cancer and Aging. Meeting Dutch Cancer Institute Amsterdam, Netherlands	2005
BubR1 Regulates Aging and Infertility in Mice Symposium Kogod Symposium on Aging Rochester, Minnesota	2005
Rae1 and Nup98 Regulate APC-mediated Securin Degradation Meeting Nuclear Transport Meeting Jekyll Island, Florida	2005
The Mitotic Checkpoint in Cancer and Aging Meeting Research Institute of Molecular Pathology (IMP) Vienna, Austria	2006
The Mitotic Checkpoint in Fertility. Meeting Genetics Society Meeting Warwick, United Kingdom	2006
Role of RanBP2 in Chromosomal Instability and Cancer Meeting Vertebrate Pore Meeting (Dallas) Dallas, Texas	2006
RanBP2 in Chromosomal Instability and Cancer Meeting ASBMB meeting (DC) Washington, District of Columbia	2007
RanBP2 in Chromosomal Instability and Cancer Meeting Mitosis and transport meeting (Nice) Nice, France	2007

RanBP2 in Sister Chromatid Separation and Cancer Meeting Nuclear transport meeting (Sicily) Sicily, Italy	2007
RanBP2 in Chromosomal Instability and Cancer Symposium SUMO Symposium University of Gottingen, Germany Gottingen, Germany	2008
Opposing Roles for p16Ink4a and p19Arf in Senescence and Aging. Conference 2nd International Genome Dynamics in Neuroscience Conference Pacific Grove, California	2008
Nucleoporins in Mitosis and Cancer Workshop Vertebrate Nuclear Pore Complex Workshop Vancouver, British Columbia, Canada	2008
The Mitotic Checkpoint in Cancer and Aging Conference Aging Conference of the Dutch Society of Human Genetics Amsterdam, Netherlands	2008
The Mitotic Checkpoint Failure and Aging Meeting European Society of Human Genetics, Vienna, Austria Vienna, Austria	2009
Unknown Colloquium Biology of Aging Colloquium, Ellison Medical Foundation Woods Hole, Massachusetts	2009
BubR1 in Mitosis Cancer and Aging Symposium Molecular Oncology Programme, Spanish National Cancer Research Center, Madrid, Spain Madrid, Spain	2009
The Mitotic Checkpoint Protein BubR1 in Cancer and Aging Meeting Korean Society of Biochemistry and Molecular Biology Seoul, South Korea	2010
Nup358 in Growth and Survival Meeting Vertebrate Nuclear Pore Meeting at Washington University	2010

St. Louis, Missouri	
Unknown Colloquium 2010 Biology of Aging Colloquium, Ellison Medical Foundation Woods Hole, Massachusetts	2010
Unknown Symposium Symposium on Aging Nijmegen, Netherlands	2010
The Mitotic Checkpoint Protein BubR1 as an Anti-Cancer and Anti-Aging Target Conference International Conference on Cell Cycle Regulators/Inhibitors and Cancer Vienna, Austria	2011
Senescent Cell Clearance Extends Healthspan Symposium 2011 Alliance for Healthy Aging Symposium on Frailty and Healthspan Groningen, Netherlands	2011
Senescent Cell Clearance Extends Healthspan Conference Gordon Research Conference on Biology of Aging. Genetic Epigenetic Inflammatory and Metabolic Origins of Aging directed by N. Barzilai, J. L. Kirkland, and H. Scoble Ventura, California	2012
Biology of Cancer and Aging Symposium Kimmel Cancer Center Annual Symposium on Geriatric Oncology. Philadelphia, Pennsylvania	2012
Does Cell Senescence Cause Aging? Symposium Harvard/Paul F. Glenn Aging Symposium. Boston, Massachusetts	2012
Senescent Cells in Aging and Age-Related Disease Symposium Paul F. Glenn Symposium, Lost in Translation: Are Aging and Disease Inseparable? Santa Barbara, California	2012
Unknown Meeting 11th Annual Karolinska Institute Cancer Retreat Stockholm, Sweden	2012
Unknown	2012

Workshop International Workshop on Ageing and Basic Bioscience Cambridge, United Kingdom	
Stem and Progenitor Cell Senescence in Aging Symposium Keystone Symposium, Stem Cell Regulation in Homeostasis and Disease Banff, Alberta, Canada	2013
Aneuploidy in Health, Disease and Aging Meeting CNIO Frontiers Meetings: "Chromosome instability and aneuploidy in cancer; from mechanisms to therapeutics" Madrid, Spain	2013
Senescence in Aging: Insights From the CIN Gene BubR1 Meeting 9th Aging Research Day at the University of Rochester, New York Rochester, New York	2013
Senescence in Aging: Insights From the CIN Gene BubR1 Colloquium Biology of Human Aging Colloquium, Brown University Providence, Rhode Island	2013
Unknown Symposium V. Else-Kroner-Fresenius Symposium on Adult Stem Cells in Aging, Diseases and Cancer Eisenach, Germany	2013
Aneuploidy in Health and Aging Conference Gordon Research Conference: Cell Growth and Proliferation West Dover, Vermont	2013
Centrosomes and Aneuploidy Workshop EMBO workshop on Chromosome Segregation and Aneuploidy Breukelen, Netherlands	2013
Senescent Cells and Age-related Pathology Conference 45th EMG Conference in Groningen Madrid, Spain	2013
The Mitotic Checkpoint Protein BubR1 in Senescence, Cancer and Aging Meeting Senescence in Cancer and Aging, Wellcome Trust Hinxton, United Kingdom	2013

Cell Senescence, Ageing and Lifespan Meeting Annual Meeting of the British Society for Research on Aging, University of East Anglia Norwich, United Kingdom	2013
Cellular Senescence in Tissue Homeostasis and Repair Symposium International SFB829 Symposium on "Molecular Mechanisms Regulating Skin Homeostasis" Cologne, Germany	2013
Stem and Progenitor Cell Senescence in Aging Meeting Sens6 Meeting Cambridge, England	2013
Age-related Aneuploidization in Cancer and Aging Conference 108th International Titisee Conference, Causes and Consequences of Aneuploidy Titisee/Black Forest, Germany	2013
Aneuploidy in Senescence and Aging Conference 4th Alliance for Healthy Aging Conference Groningen, Netherlands	2013
p16-Positive Senescent Cells in Aging and Age-related Disease Conference The INK4/ARF Locus conference at the Banbury Center Cold Spring Harbor, New York	2013
Stem and Progenitor Cell Senescence in Aging Meeting GSA Annual Scientific Meeting New Orleans, Louisiana	2013
Unknown Conference Plenary Session at the 2013 Canadian Cancer Research Conference Toronto, Ontario, Canada	2013
Age-related Aneuploidization in Cancer, Aging and Senescence Conference AACR Special Conference on Cancer Susceptibility and Cancer Susceptibility Syndromes San Diego, California	2014
Pten Suppresses Tumorigenesis by Guarding Against Aneuploidization Meeting	2014

AACR Annual Meeting San Diego, California	
The Role of Senescence in Aging and Age-Related Diseases Workshop First Scripps Florida Spring Workshop on the Biology of Aging "Therapeutic Approaches for Extending Healthspan: The Next 10 Years" Jupiter, Florida	2014
The Role of Senescence in Cancer and Aging Meeting 5th Annual Scientific Meeting of the Terry Fox Research Institute "Building Connections to the Future" Montreal, Canada	2014
Unknown Workshop Glenn Workshop on the Biology of Aging Santa Barbara, California	2014
The Role of Senescence in Aging Symposium Mitochondria, Aging and Metabolism Working Group Symposium at the University of Pittsburgh Pittsburgh, Pennsylvania	2014
Senescence and Cancer: A Complex Multi-faceted Relationship. Symposium International Symposium, "The challenges of the biological research in aging in the 21st century: from the cells to the clinics" Sherbrooke, Canada	2014
Altered Centrosome Dynamics as a Source of Chromosomal Instability and Cancer Meeting 4th Annual Meeting of the Nordic Mitosis Network Copenhagen, Denmark	2014
The Role of Senescent Cells in Ageing Conference Healthy Ageing Research Centre Conference on Translational Research in Healthy Ageing Lodz, Poland	2015
Role of Senescent Cells in Cancer and Aging Symposium AACR Annual Meeting Symposium Chair on Aging and Senescence Philadelphia, Pennsylvania	2015
Cell Cycle and Genomic Instability Symposium	2015



Biochemistry and Molecular Genetics and John F. Anderson Fund 2015  
Symposium "Cell Cycle and Genomic Instability"  
Charlottesville, Virginia

Tissue Homeostasis and Disease Panel member Symposium VII. Else Kroner-Fresenius Symposium on Adult Stem Cells in Aging, Diseases and Cancer Erice, Italy	2015
Senescent Cells Shorten Health and Lifespan. Meeting 40th FEBS Congress The Biochemical Basis of Life Berlin, Germany	2015
Senescence in Aging and Age-related Disease: From Mechanism to Therapy Meeting 2nd ICSA Meeting Cell Senescence: From Physiology to Pathology Santiago de Compostela, Spain	2015
Treatment of Age-Related Diseases by Senescent Cell Clearance Symposium Aging: Cellular Mechanisms and Therapeutic Opportunities, a Herrenhausen Symposium Hanover, Germany	2015
Extending Healthspan in Mice by Targeting Senescent Cells Conference 6th Annual Alliance for Healthy Aging Conference "Interventions to Slow Down Ageing" Newcastle Upon Tyne, United Kingdom	2015
Senescence Pathways in Aging and Age-related Diseases Meeting Molecular Biology of Aging Meeting Groningen, Netherlands	2015
How Does Aging Increase Disease Susceptibility? Meeting American Society of Nephrology Annual Meeting San Diego, California	2015
How Senescent Cells Drive Aging and Disease Conference AACR Special Conference on the Cancer Cell Cycle: Tumor Progression and Therapeutic Response Orlando, Florida	2016
How Senescent Cells Drive Aging and Disease Conference Second Cologne Ageing Conference	2016

Cologne, Germany

How Senescent Cells Contribute to Aging and Disease  
Conference

Disease Drivers of Aging: 2016 Advances in Geroscience Summit at the New York Academy of Sciences  
New York, New York

How Senescent Cells Contribute to Aging and Disease  
Symposium

2016 Pfizer Frontiers in Human Disease Symposium "Senescence, Aging and Human Disease"  
Boston, Massachusetts

Anti-Ageing Approaches: Cells to Body

International Conference of IAGG, KAGG, GSA and KOWDI

International Conference on Healthy and Active Ageing: A New Paradigm for an Ageing Society  
Seoul, South Korea

How Senescent Cells Drive Aging and Age-Related Disease

ICSA conference

Cellular Senescence: From Mechanisms to Therapeutic Opportunities  
Rehovot, Israel

How Cancer-Causing Chromosomal Instability is Acquired

Conference

Keynote Speaker Mayo Clinic-Karolinska Institute Conference at Mayo Clinic  
Rochester, Minnesota

How Cellular Senescence Drives All Stages of Atherosclerosis

Symposium

MBDI Symposium at Groningen University  
Groningen, Netherlands

How Aging and Disease Stem from Senescence

Symposium

Karolinska Institute Symposium Stem Cell Niches  
Stockholm, Sweden

How Senescent Cells Contribute to Aging and Disease

Symposium

ITMAT 11th Annual International Symposium Translational Science in the Era of Precision Medicine  
Philadelphia, Pennsylvania

How Senescent Cells Contribute to Aging and Disease

Symposium

2016 Forbeck Forum on Chromosomal Instability/Aneuploidy Karyotype Plasticity in Evolution and Disease Symposium  
Hilton Head Island, South Carolina

Senescent Cell Elimination as a Means to Slow Aging and Disease Conference Aging and Nutrition - New Approaches and Techniques ANYAS Conference New York, New York	2016
Senescent Cells: An Emerging Target for Diseases of Aging Symposium Senescence and Aging Mini-Symposium Boston, Massachusetts	2017
Induction of Senescence as an Anticancer Strategy Educational Session AACR Annual Meeting Washington D.C., District of Columbia	2017
Delaying Aging and Disease by Senolysis Symposium International Symposium, Aging Biology: Understanding Aging on a Molecular Level Sendai, Japan	2017
How Senescent Cells Contribute to Aging and Disease Conference Keystone Symposia Conference Aging and Mechanisms of Aging-Related Disease Yokohama, Japan	2017
Cancer-critical Genes Control Centrosome Disjunction and Movement Conference Cold Spring Harbor Lab 82nd Annual Symposium: Chromosome Segregation and Structure Cold Spring Harbor, New York	2017
Fundamental Mechanisms of Aging and Aging-Related Diseases Plenary Lecture Tenth ISABS Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures in Individualized Medicine Dubrovnik, Croatia	2017
Senotherapeutic Properties of Metformin Conference Metformin: Translating Biology into the Clinic, The Banbury Center, Cold Spring Harbor Laboratory Cold Spring Harbor, New York	2017
Delaying Aging and Disease by Senolysis Conference Biology of Ageing "Impactful Interventions" Singapore, Singapore	2017

**Poster**

- Modulation of Creatine Kinase M Gene Activity by Targeted Mutagenesis in Mouse Embryonal Stem Cells 1990  
Meeting  
Mouse Molecular Genetics Meeting  
Cold Spring Harbor, New York
- Generation of Creatine Kinase M Deficient Mice by Targeted Disruption of the CKM Gene in ES Cells 1992  
Meeting  
Mouse Molecular Genetics Meeting  
Cold Spring Harbor, New York
- Cre-mediated Translocation Between Nonhomologous Mouse Chromosomes: Generation of a DEK/CAN Fusion Gene 1994  
Meeting  
Mouse Molecular Genetics Meeting  
Cold Spring Harbor, New York
- The Oncogenic Properties of the NUP98-HOXA9 Fusion Protein 1997  
Meeting  
American Society of Hematology  
San Diego, California
- Lack of Acrosome Formation in Hrb-deficient Mice 2001  
Symposium  
The Keith R. Porter Symposium  
Warrenton, Virginia
- Rae1 in mRNA Export and Mitosis 2001  
Meeting  
Nuclear Transport Meeting  
Warrenton, Virginia
- BubR1 in Aging 2008  
Meeting  
Molecular Genetics of Aging  
Cold Spring Harbor, New York

**Regional****Invited**

- Inhibition of APC/CCDC20 by BubR1 Regulates Health- and Lifespan 2011  
Colloquium  
2011 Colloquium of the Ellison Foundation  
Woods Hole, Massachusetts

**Visiting Professorship**

**Visiting Professorships**

Seminar Speaker Creatine Kinases in Biology and Medicine Oxford University Oxford, United Kingdom	1994
Seminar Speaker Nucleoporins Meet Transcription in NUP98-HOXA9-mediated Leukemia Development Rockefeller University New York, New York	1997
Seminar Speaker The Role of Nucleoporins in AML University of Minnesota Minneapolis-St. Paul, Minnesota	1999
Seminar Speaker FG-Repeat Containing Nucleoporins in Human Disease University of Heidelberg Heidelberg, Germany	2000
Seminar Speaker The Role of Nucleoporins in Leukemogenesis Blood Research Institute Milwaukee, Wisconsin	2001
Seminar Speaker Genomic Instability and Aging University of Maastricht	2002
Seminar Speaker Role of Rae1 and Nup98 in Mitosis University of California, San Diego San Diego, California	2003
Seminar Speaker Role of Aneuploidy in Cancer, Aging and Infertility Mayo Clinic Rochester, Minnesota	2004
Seminar Speaker BubR1 in Cancer, Aging and Infertility Morehouse School of Medicine Atlanta, Georgia	2004
Seminar Speaker Role of Aneuploidy in Cancer, Aging and Infertility University of Miami Miami, Florida	2004
Seminar Speaker Role of Mitotic Checkpoint Proteins in Cancer and Aging Burnham Institute San Diego, California	2005

Seminar Speaker BubR1, Bub3 and Rae1 in Cancer and Aging Baylor College of Medicine Houston, Texas	2005
Seminar Speaker The Mitotic Checkpoint in Cancer and Aging University of Utrecht Utrecht, Netherlands	2006
Seminar Speaker CBP and p300 in Breast Cancer University of Virginia Charlottesville, Virginia	2006
Seminar Speaker Chromosomal Instability Genes in Cancer and Aging Columbia University NY, New York	2008
Seminar Speaker RanBP2 in Mitosis Dutch Cancer Institute Amsterdam, Netherlands	2008
Seminar Speaker The Mitotic Checkpoint in Cancer and Aging Frontiers in Pharmacology Seminar at the University of Wisconsin Madison, Wisconsin	2008
Seminar Speaker The Mitotic Checkpoint in Cancer and Aging New York University NY, New York	2008
Seminar Speaker The Mitotic Checkpoint in Cancer and Aging University of Groningen Groningen, Netherlands	2008
Seminar Speaker The Mitotic Checkpoint in Cancer and Aging University of Utrecht Utrecht, Netherlands	2008
Seminar Speaker BubR1 in Mitosis, Cancer and Aging Basic Science Seminar Speaker, Mayo Clinic Arizona Scottsdale, Arizona	2009
Seminar Speaker BubR1 in Mitosis, Cancer and Aging Cancer Biology and Genetics Research Seminar Series at Memorial Sloan- Kettering Cancer Center New York, New York	2009
Seminar Speaker	2009

Mitotic Checkpoint Failure in Cancer and Aging Department of Cell Biology Seminar Speaker, University of Oklahoma Oklahoma City, Oklahoma	
Seminar Speaker Mitosis, Senescence and Aging: What is the Link? University of Groningen Groningen, Netherlands	2009
Seminar Speaker Biological Sciences Seminar Speaker,, Wayne State University Detroit, Michigan	2010
Seminar Speaker BubR1 in Cancer and Aging Department of Molecular Medicine Seminar Series, University of Texas Health Sciences Center San Antonio, Texas	2010
Seminar Speaker Mitotic Checkpoint Control in Cancer and Aging Seminar Speaker for Lerner Research Institute of the Cleveland Clinic Cleveland, Ohio	2011
Seminar Speaker 50th Anniversary of St. Jude Children's Research Hospital, Danny Thomas Lecture Series Speaker Memphis, Tennessee	2012
Seminar Speaker BubR1 in Cancer Senescence and Aging Dartmouth Medical School, Norris Cotton Cancer Center seminar guest Hanover, New Hampshire	2012
Seminar Speaker Lombardi Comprehensive Cancer Center, Tumor Biology Training Program Boston, Massachusetts	2012
Seminar Speaker Seminars in Oncology at the Dana-Farber Cancer Institute Boston, Massachusetts	2012
Seminar Speaker Senescence in Aging: Insights from the CIN Gene BubR1 2013 Spring MCDB seminar speaker at the University of Colorado, Boulder Boulder, Colorado	2013
Seminar Speaker Aneuploidy in Cancer and Aging Sam and Ann Barshop Institute seminar speaker San Antonio, Texas	2013
Seminar Speaker Senescent Cells as Drivers of Cancer and Aging New York Department of Biochemistry and Molecular Pharmacology seminar speaker New York, New York	2014

Seminar Speaker Senescent Cells in Aging and Disease University of Southern California seminar speaker Los Angeles, California	2014
Seminar Speaker The Role of Senescent Cells in Ageing Nephrology Department Seminar Speaker Hannover, Germany	2015
Seminar Speaker Understanding Senescence and Chromosomal Instability in Cancer and Aging Ohio State University Columbus, Ohio	2015
Seminar Speaker Treatment of Age-related Diseases with Senolytic Agents 1st Else Kroner-Fresenius Seminar Series on Aging Jena, Germany	2015
Seminar Speaker Cellular Senescence in Aging and Age-Related Disease: From Mechanisms to Senotherapy Johns Hopkins University Biochemistry and Molecular Biology Department seminar speaker Baltimore, Maryland	2015
2016 Paul F. Glenn Distinguished Lecturer How Senescent Cells Contribute to Aging and Disease MIT Department of Biology Cambridge, Massachusetts	2016
Seminar Speaker How Senescent Cells Contribute to Aging and Disease University of Michigan Molecular and Cellular Pathology Graduate Program Ann Arbor, Michigan	2016
Seminar speaker How Senescent Cells Drive Aging and Disease Stanford Stem Cell and Regenerative Medicine Program Stanford, California	2016
Seminar Speaker How Centrosomes Drive Cancer and Senescent Cells Aging Ajou University, Suwon, Korea Suwon, South Korea	2016
Seminar speaker How Senescence Cells Contribute to Aging and Disease Molecular Physiology and Biophysics Department, University of Iowa Iowa City, Iowa	2016
Symposium speaker How Senescent Cells Contribute to Aging and Disease Moving Targets 2016 Symposium, Disease-Driven Aging Los Angeles, California	2016



Seminar speaker How Senescent Cells Drive Aging University of Groningen Groningen, Netherlands	2016
Seminar speaker Control of Tissue Repair and Regeneration by Senescent Cells Karolinska Institute Stockholm, Sweden	2016
Seminar speaker How Senescent Cells Contribute to Aging and Disease Student Choice 2016-2017 Cancer Biology Seminar speaker, University of Wisconsin, Madison Madison, Wisconsin	2016
Seminar Speaker How Senescent Cells Contribute to Aging and Disease Department of Pharmacology at UT Southwestern Medical Center Dallas, Texas	2016
Seminar Speaker Senescent Cells: An Emerging Target for Diseases of Aging Mayo Clinic Scottsdale Research Department Scottsdale, Arizona	2017
Seminar Speaker Senescent Cells: An Emerging Target for Diseases of Aging Mayo Clinic Jacksonville Cell Biology Department Jacksonville, Florida	2017
Seminar Speaker Senescent Cells: An Emerging Target for Diseases of Aging Baylor College of Medicine Houston, Texas	2017
Seminar Speaker Senescent Cells: An Emerging Target for Diseases of Aging Washington University in St. Louis Department of Cell Biology and Physiology St. Louis, Missouri	2017
Seminar speaker An Emerging Target for Diseases of Aging Biomedical Sciences Cluster Committee on Cancer Biology Seminar Series Chicago, Illinois	2017
Keynote speaker Senescence and Exosomes, Breast Cancer, Aging and Senescence 16th Annual Science Forum: Battle Against Immune Privilege and Senescence: Great Science, The Institute for Medical Education, Dallas, Texas Dallas, Texas	2017
Seminar speaker Delaying Aging and Disease by Senolysis IBP Seminar speaker at the University of Minnesota Minneapolis-St. Paul, Minnesota	2017

Seminar speaker  
 Senescent Cells: An Emerging Target for Disease and Aging  
 Genentech Immunology Discovery Department Seminar  
 San Francisco, California

2018

## Research Interests

Molecular genetic basis of cancer and aging: current research in my laboratory focuses on elucidating mechanisms that regulate development of cancer and aging-related disorders, by combining in vitro biochemistry approaches with genetic experiments in mice.

## Research Grants Awarded

### Active Grants

#### Federal

Program Director / Principal Investigator	BUB1 in Chromosomal Instability and Tumorigenesis. Funded by National Cancer Institute. (R01 CA 126828)	05/2012 - 04/2018
Program Director / Principal Investigator	BubRI in Cancer and Aging. Funded by National Cancer Institute. (R01 CA 96985)	09/2012 - 06/2018
Program Director / Principal Investigator	Role of PTEN in Chromosome Segregation and its Importance for Tumor Suppression. Funded by National Cancer Institute. (R01 CA 168709)	09/2012 - 06/2018
Program Director / Principal Investigator	The role of senescent cells in late-life tumorigenesis. Funded by National Cancer Institute. (R01 CA 166347)	01/2013 - 12/2018
Program Director / Principal Investigator	Cellular senescence in aging and age-related disease.. Funded by National Institute on Aging. (R01 AG 57493)	12/2017 - 11/2022
Co-Investigator	Program Leaders - MCR: Mayo Comprehensive Cancer Center Grant. Funded by National Cancer Institute. (P30 CA 15083)	07/2014 - 02/2019
Co-Investigator	Model System Core: Mayo Translational PKD Center (MTPC). Funded by National Institute of Diabetes and Digestive and Kidney Diseases. (P30 DK 90728)	09/2015 - 06/2020
Co-Investigator	Disease Mechanisms in Sleep Apnea. Funded by National Heart, Lung, and Blood Institute. (R01 HL 65176)	07/2017 - 06/2022
Core Director	Transgenic and Knockout Core - MCR: Mayo Comprehensive Cancer Center Grant. Funded by National Cancer Institute. (P30 CA 15083)	07/2014 - 02/2019

#### Foundation

Program Director / Principal Investigator	van Deursen (IDC APPLIED) Paul F. Glenn Laboratories For Biology of Aging Research at the Mayo Clinic (the "Glenn Labs"): Paul F. Glenn Laboratories For Biology of Aging Research at the Mayo Clinic (the "Glenn Labs"). Funded by Glenn Foundation for Medical Research. (Glenn Laboratories Award)	07/2013 - 06/2018
Program Director / Principal Investigator	van Deursen (NO INDIRECTS) Paul F. Glenn Laboratories For Biology of Aging Research at the Mayo Clinic (the "Glenn Labs"): Paul F. Glenn Laboratories For Biology of Aging Research at the Mayo Clinic (the "Glenn Labs"). Funded by Glenn Foundation for Medical Research. (Glenn Laboratories Award)	07/2013 - 06/2018
Program	van Deursen Unobligated Balance (NO INDIRECTS) Paul F. Glenn	07/2013 - 06/2018

Director /  
Principal  
Investigator      Laboratories For Biology of Aging Research at the Mayo Clinic (the  
"Glenn Labs"): Paul F. Glenn Laboratories For Biology of Aging  
Research at the Mayo Clinic (the "Glenn Labs"). Funded by Glenn  
Foundation for Medical Research. (Glenn Laboratories Award)

Program      Negative Impact of Pericardial Senescent Cells on Cardiac      06/2017 - 05/2020  
Director /  
Principal      Maintenance and Repair: Analysis of Pericardial Senescence in Loss of  
Investigator      Cardiac Maintenance and Repair. Funded by W.M. Keck Foundation

**Industry**

Program      Advancing and applying knowledge about senescent cells for the      05/2017 - 04/2018  
Director /  
Principal      treatment of age-related diseases . Funded by Unity Biotechnology,  
Investigator      Inc.

**Mayo Clinic**

Program      Super-enhancer regulated senescent cell identity. Funded by Center      01/2017 - 12/2018  
Director /  
Principal      for Biomedical Discovery  
Investigator

**Completed Grants****Federal**

Program Director / Principal Investigator	C: Nuclear transport factors in chromosomal instability and cancer. Funded by National Cancer Institute. (R01 CA 77262)	02/1999 - 01/2003
Program Director / Principal Investigator	BubRI in Cancer and Aging. Funded by National Cancer Institute. (R01 CA 96985)	07/2002 - 06/2007
Principal Investigator	The Role of CBP/P300 in Breast Cancer Development, BC 010517-1. Funded by Department of Defense. (FED DAMD17-02-1-0475)	09/2002 - 08/2006
Program Director / Principal Investigator	C: Nuclear transport factors in chromosomal instability and cancer. Funded by National Cancer Institute. (R01 CA 77262)	02/2003 - 01/2008
Program Director / Principal Investigator	CBP and p27KIP1 in Prostate Carcinogenesis (PC060160). Funded by Department of Defense. ( W81XWH-07-1-0137)	02/2007 - 02/2010
Program Director / Principal Investigator	BUB1 in Chromosomal Instability and Tumorigenesis. Funded by National Cancer Institute. (R01 CA 126828)	04/2007 - 04/2012
Program Director / Principal Investigator	BubRI in Cancer and Aging. Funded by National Cancer Institute. (R01 CA 96985)	07/2007 - 08/2012
Principal Investigator	Prostate Cancer SPORE Development/Career Development Project (CA91956-07) "Aneuploidy in Prostate Cancer Development". Funded by National Cancer Institute	09/2007 - 08/2008
Program Director / Principal Investigator	Nucleoporins in Chromosomal Instability and Cancer. Funded by National Cancer Institute. (R01 CA 77262)	02/2008 - 07/2013
Project Leader	Senescent Cell Clearance and Healthspan Extension (Project 1): Cellular Senescence and Aging. Funded by National Institute on Aging. (P01 AG 41122)	05/2012 - 04/2017
Co-Investigator	Antiproliferative Bio-Markers in Breast Cancer. Funded by Department of Defense. (FED DAMD17-03-1-0493)	06/2003 - 06/2007
Co-Investigator	Cell Cycle Control of Trinucleotide Instability in Mammalian Cells. Funded by National Institute of Neurological Disorders and Stroke. (R21 NS 61998)	12/2008 - 11/2011
Co-Investigator	Program Leaders of Research Programs: Mayo Comprehensive Cancer Center Grant. Funded by National Cancer Institute. (P30 CA 15083)	03/2009 - 02/2014
Co-Investigator	Transgenic and Gene Targeted Mouse: Mayo Comprehensive Cancer Center Grant. Funded by National Cancer Institute. (P30 CA 15083)	03/2009 - 02/2014
Collaborator	Analysis of BRCA1 Function in DNA Repair. Funded by National Cancer Institute. (R01 CA 89239)	07/2001 - 09/2006
Consultant	Mechanisms of Nitric Oxide Signaling in Vascular Remodeling. Funded by National Heart, Lung, and Blood Institute. (R01 HL 86990)	04/2008 - 08/2012
Consultant	ADPKD: Disease Spectrum & Genotype-Phenotype Correlations. Funded by National Institute of Diabetes and Digestive and Kidney Diseases. (R01 DK 58816)	08/2010 - 09/2014

**Foundation**

Principal Investigator	The Role of CBP and p300 in Tumor Suppression. Funded by Eagles Fund	07/2001 - 06/2002
Program Director / Principal Investigator	Improving the independence,function and quality of life of the elderly by reversing BubR1-mediated aging processes. Funded by Ted Nash Long Life Foundation	12/2006 - 11/2009
Program Director / Principal Investigator	Regulation of Aging by the BubR1 Kinase. Funded by The Ellison Medical Foundation. (AG-SS-1844-07)	01/2008 - 12/2012
Program Director / Principal Investigator	Glenn Award for Research in Biological Mechanisms of Aging. Funded by Glenn Foundation for Medical Research	12/2011 - 11/2013
Co-Investigator	INK-ER-Cre Mice: A Novel Tool for Uncovering How Senescent Cells Cause Age-Related Dysfunction. Funded by American Federation for Aging Research. (AFAR Foundation )	07/2012 - 06/2014
Collaborator	Yeast and Mouse Models of Friedreich Ataxia. Funded by Muscular Dystrophy Association. (MDA 2001-02)	01/2001 - 12/2002
Consultant	Muz1 as a novel regulator of DNA damage response. Funded by American Cancer Society, inc.. (RSG-11-147-01-DMC)	07/2011 - 06/2016

### Mayo Clinic

Principal Investigator	Mice Lacking the Mitotic Checkpoint Gene BUB3: A Model for Early GI Tumors Induced by Genetic Instability. Funded by Mayo Protocol	07/1999 - 06/2000
Program Director / Principal Investigator	Senescent Cells and Stem Cell-Mediated Tissue Regeneration. Funded by Center for Regenerative Medicine. (CRM Award)	06/2012 - 05/2013
Co-Program Director / Principal Investigator	Defining Novel Mechanisms of Hepatocellular Lipotoxicity to Treat Nonalcoholic Fatty Liver Disease. Funded by Center for Biomedical Discovery. (CBD-01)	02/2015 - 12/2016
Co-Program Director / Principal Investigator	Misregulation of Mitotic Progression and Energy Metabolism in Cancer Development. Funded by Center for Biomedical Discovery. (CBD-01)	02/2015 - 02/2017

### Patents

Title	Patent Number	Date Filed	Date Issued
IEX-1 Knockout Animals Inventors: Rajiv Kumar and Jan van Deursen	US 7098377	NULL	08/2006
Transgenic Mouse Lacking PAPP-A Activity Inventors: Cheryl Conover and Jan van Deursen	US 7220892	NULL	05/2007

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### Peer-reviewed Articles

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2. Gorris LGM, **van Deursen JMA**, van der Drift C, Vogels GD. Influence of wastewater composition on biofilm development in laboratory methanogenic fluidized bed reactors. *Appl Microbiol Biotechnol*. 1988; 29:95-102.
3. Gorris LGM, **van Deursen JMA**, van der Drift C, Vogels GD. Inhibition of propionate degradation by acetate in methanogenic fluidized bed reactors. *Biotechnol Lett*. 1989; 11:61-66.
4. Gorris LG, **van Deursen JM**, van der Drift C, Vogels GD. Biofilm development in laboratory methanogenic fluidized bed reactors. *Biotechnol Bioeng*. 1989 Feb 5; 33(6):687-93. PMID: 18587969 DOI: 10.1002/bit.260330605
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11. **van Deursen J**, Heerschap A, Oerlemans F, Ruitenbeek W, Jap P, ter Laak H, Wieringa B. Skeletal muscles of mice deficient in muscle creatine kinase lack burst activity. *Cell*. 1993 Aug 27; 74(4):621-31. PMID: 8358791
12. Oerlemans F, van den Broek W, **van Deursen J**, Wieringa B, Hendriks W. Van cellijn naar muizestam. *Biotechniek*. 1994; 33:33-6.
13. **van Deursen J**, Wieringa B. Approaching the multifaceted nature of energy metabolism: inactivation of the cytosolic creatine kinases via homologous recombination in mouse embryonic stem cells. *Molecular & Cellular Biochemistry*. 1994 Apr-May; 133-4, 263-74.
14. **van Deursen J**, Jap P, Heerschap A, ter Laak H, Ruitenbeek W, Wieringa B. Effects of the creatine analogue beta-guanidinopropionic acid on skeletal muscles of mice deficient in muscle creatine kinase. *Biochim Biophys Acta*. 1994 May 18; 1185(3):327-35. PMID: 8180237
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## Books

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## Book Chapters

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## Editorials

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## Commentaries

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## Abstracts

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\* Indicates that the primary author was a mentee of this author.