

CURRICULUM VITAE

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Education:

1972	B.Sc (First Class)	Univ. of Witwatersrand, Johannesburg, South Africa
1977	M.B.,B.Ch. (Cum Laude)	Univ. of Witwatersrand, Johannesburg, South Africa
1979	Ph.D. Physiology	Univ. of Witwatersrand, Johannesburg, South Africa
1997	MA (Hon)	Harvard Medical School

Postdoctoral training:

1978 Intern in Medicine and Surgery, Johannesburg General Hospital.

Certification:

1978 South African Medical and Dental Council
1979- General Medical Council of Great Britain
1981- Member of the Royal College of Physicians (UK)

Academic Appointments:

1979-81 Lecturer, Department of Physiology, Middlesex Hospital Medical School, London.
1981-84 Lecturer, Department of Anatomy & Embryology, University College London.
1984-88 Wellcome Trust Senior Lecturer, Department of Anatomy & Embryology, University College London.
1988-91 Wellcome Reader in Neurobiology, Department of Anatomy & Developmental Biology, University College London.
1991- 97 Professor of Neurobiology, Department of Anatomy & Developmental Biology, University College London.
1997- Richard J. Kitz Professor of Anesthesiology Research, Harvard Medical School and Massachusetts General Hospital
1997- Director, Neural Plasticity Research Group, Department of Anesthesia and Critical Care, Massachusetts General Hospital

Hospital Appointments:

1996-98 Honorary Consultant, University College London Hospitals
1997- Neurobiologist, Massachusetts General Hospital

Memberships, Offices and Committee Assignments in Professorial Societies:

1980-97 Physiological Society
1981-97 Brain Research Association (Committee Member 1985-88)
1984-97 European Neuroscience Association
1997- International Association for the Study of Pain. Member; Scientific Programme Committee (1990 and 1997), Task force on Education (1991-1995)
1996 Migraine Trust. Member Research Committee
1997- Society for Neuroscience
1998/9 Society for Neuroscience, Award Selection Committee Young Investigator Award

Major Committee Assignments

1991-95 Jury member for the Annual Bristol-Myers Squibb Distinguished Pain Research Award
1993-97 Joint Director and Founder, Thomas Lewis Pain Research Center, University College London.
1998 Chairman of panel to advise the Director of NIDR and NINDS on the re-organization of the NIH intramural pain program
1999 Member of panel to advise NINDS on strategic research priorities in Cognition and Behavior
1999-2000 Co-Chair Parke-Davis Neuroscience Working Group
2001 Member NINDS Strategic Panel on Spinal Cord Injury
2002 FDA Advisory Committee member – guidelines for analgesic drug development,
2002- Chairman, Neurobiology Working Group, Pfizer
2002- Chairman, International Neuroplasticity and Pain Group, Pharmacia and Pfizer
2002 Member, Arthritis Advisory Committee, FDA
2004- MGH Executive Committee of Research Innovation Award Committee
2005/6 Pfizer Scholars Grants in Pain Medicine Advisory Board
2005/6 Harvard Medical Fellowship Committee
2005 National Institute for Dental and Craniofacial Research, Pain and Neuroscience Working Group.

Consultancies:

1995-99 Glaxo-Wellcome R & D.
1996 Sandoz Institute for Medical Research, Scientific Advisory Board
1999-2003 Bayer AG
2000 Millenium Pharmaceuticals Neuroscience Scientific Advisory Board
2001 Merck and Co
2002 CNS Scientific Advisory Board Astra Zeneca
2002- Clinical Advisory Board, Ionix
2003 Chairman, Valdecoxib Clinical Advisory Board, Pfizer/Pharmacia
2004-5 Member, Pfizer Neuropathic Pain Steering Committee
2004 Novartis Institutes for Biomedical Research
2005 Hydrabioscience SAB

2006 Chair of SAB and Founder, Solace Pharmaceuticals
 2006 Merck Research Laboratories, Frontiers of Neuroscience Drug Discovery
 2007 Abbott, Neuroscience SAB

Editorial Boards:

2001-2007	Reviewing Editor	Journal of Neuroscience
1995-2000	Associate Editor	Journal of Neuroscience
2003-Present	Member	Neuron
1986-1995	Member	Pain
1999-Present	Member	Pain
2000	Member	Journal of Pain
1999-Present	Member	Current Opinion in Investigational Drugs
2004-Present	Member	Public Library of Science (PloS) Medicine
2004-Present	Member	Drug Discovery Today: Disease Mechanisms

Awards and Honors:

1973 William Cullen Medal for the most distinguished B.Sc. graduate in the Faculty of Science.
 1974 H.S. Ebrahim Memorial Trust Medal for the most distinguished Physiology student in the Faculty of Medicine.
 1975 Hoechst Award for the most distinguished Pharmacology student in the Faculty of Medicine.
 1977 South African Medical Association Medal for the most distinguished graduate in the Faculty of Medicine.
 1987 The first Distinguished Young Investigator Award, International Association for the Study of Pain, Hamburg.
 1988 Royal Society of Medicine North American Visiting Professorship.
 1991 Bristol-Myers Squibb Unrestricted Pain Research Award.
 1993. Initiation of a Rhone-Poulenc Rorer Annual Travel Fellowship for Pain Research, in celebration of the 10th anniversary of the publication of "Evidence for a central component of postinjury pain hypersensitivity by CJ Woolf, **Nature** 306, 686-688 (1983)", Vienna.
 1997 First Incumbent, Richard Kitz Chair of Anesthesia Research, Harvard Medical School
 2000 Visiting Professor, Food and Drug Administration
 2001 Spine Society of Europe Medal,
 2001 Benjamin Covino Lecture, Harvard Medical School
 2002 Bonica Medal, Eastern Pain Association, New York
 2003- ISI Highly Cited in Neuroscience
 2004 American Society for Anesthesia, Distinguished Research Award
 2006 Mid Atlantic Pharmacological Society, Distinguished Lecturer

Funding Information

1984-89 *Wellcome Trust* Senior Lectureship,
 Stimulus Response Relationships in the Spinal Cord. (PI)
 1986-89 *Wellcome Trust* Project grant.
 Plasticity in the spinal cord. (PI)
 1987-92 *Medical Research Council* Programme grant (with P. D. Wall & M. Fitzgerald),
 Analysis of Sensory Signals in the Nervous System. (Co-PI)

- 1989-93. *Wellcome Trust* Senior Lectureship.
Stimulus Response Relations in the Spinal Cord. (PI)
- 1988/89. *Wellcome Trust*
Grant for rebuilding Laboratories, (PI)
- 1989-92 *Wellcome Trust* Project Grant.
Primary afferent transmission in the spinal cord. (PI)
- 1991-93 *International Spinal Research Trust*. (with M Fitzgerald) Visiting fellowship, (Co-PI)
- 1991-96 *Bristol-Myers Squibb*
Unrestricted Pain Research Grant (PI)
- 1991-93 *Wellcome Trust* European Travel Fellowship, (PI)
- 1991-94 *Medical Research Council* Project Grant,
Reorganization of the central terminals of primary afferent terminals following peripheral
nerve injury (PI)
- 1992-95 *Sandoz Basle*, Basic Science Research Grant, (with D. Latchman)
Nerve Growth Factor and Pain, (Co-PI)
- 1992-94 *Sir Jules Thorn Trust* Grant (with P Dowd)
Trophic factor mediated interactions between skin and the nervous system: a new
mechanism for the generation of pain and itch (Co-PI)
- 1994-95 *Rhone-Poulenc Rorer*,
Ketoprofen and central sensitization in man (PI)
- 1995-98 *Wellcome Trust* Project Grant,
Central mechanisms of cellular sensitization, (PI)
- 1994-96 *International Spinal Research Trust*, (with P Anderson, D Latchman & P. Emson)
Gene Therapy for spinal repair (Co-PI)
- 1995-98 *Medical Research Council*, (with P Anderson & AR Lieberman)
Axonal regeneration (Co-PI)
- 1995-00 *Medical Research Council* Programme grant.
Pathogenesis and prevention of pain, (PI)
- 1996-98 *Glaxo Research and Development* (with AH Dickenson)
The molecular biology of sensory neurons (Co-PI)
- 1996-99 *European Union Biomed 4 Research Programme* (with 9 other PI's in UK, Sweden,
France, Italy and Finland)
Chronic Pain - towards new therapeutic approaches. (Co-PI)
- 1996 *Glaxo Research and Development*
Contract: Compound 4030W92 (PI)
- 1996-99 *Human Frontiers Science Program* (with Mae Huang and Megu Yoshimura)
The plasticity of the synaptic mechanisms that underlie inflammatory hypersensitivity
(Co-PI)
- 1998-99 *Roche Bioscience*
Training related to cytokines, growth factors and pain (PI)
- 1998-01 *International Spinal Research Trust*
Growth capacity vs. permissive environment - promoting regeneration of ascending
sensory pathways in the adult spinal cord (PI)
- 1998-99 *Parke Davis* (PI)
Unrestricted Training Grant Gabapentin and synaptic transmission
- 1998- 2008 *NIH, NINDS* (PI)

1999-01	Altered sensibility following peripheral nerve damage <i>Glaxo-Wellcome</i>	(PI)
1999-03	Molecular and behavioral validation of SNS1/2 as analgesic targets <i>Bayer</i>	(PI)
2000-02	Development of animal models of pain <i>Pfizer</i>	(PI)
2001-011	Cox-2 induction in the CNS <i>NIH, NINDS</i>	(PI)
2001-06	Neural Plasticity and Inflammatory Pain <i>NIH, NICHD</i>	(PI)
2001-04	Semaphorin activation and role in neuronal regeneration <i>Pharmacia (Pfizer), Managed Care Forum</i>	(PI)
2003-06	Mechanism-based assessment of pain <i>Muscular Dystrophy Association</i>	(PI)
2003-04	Hsp27 and motor neuron survival <i>Merck & Co</i>	(PI)
	Cox-2 produces pain through post-translational processing (PI)	
2003-8	NIH, NINDS <i>Core Grant – Interdepartmental Neuroscience Center</i>	(co-PI)
2004-5	<i>Pfizer</i> Role of EP receptors in pain.	(PI)
2004-5	<i>Glaxo-Smith Kline</i> P2X7 receptors and pain	(PI)
2006-7	<i>Glaxo-Smith Kline</i> Nav1.8	(PI)
2006-11	NIH, NIDCR Complement cascade and pain	(PI)

Report of Current Research Activities (C. Woolf, P.I.)

1. Analgesic target identification and validation
2. Identification of pain mechanisms
3. Development of new clinical outcome measures for analgesic drug development
4. Sodium and ligand-gated ion channels
5. Differential gene expression in sensory and spinal cord neurons
6. Sensory and dorsal horn neuron survival and degeneration
7. Spinal cord regeneration
8. Pathophysiology of sensory neuropathies
9. BMP signaling in development and disease
10. Neuroimmune interactions and pain

Report of Teaching

University College London – Director of integrated Neuroscience course for medical students, 1987-1997.

Harvard Medical School – lecture in: Human Nervous System and Behavior, Integrative Developmental Biology; Neurobiology of Disease, courses (1997-).

Examiner for PhD degree

- 1985 Jack Price, University College London
- 1987 Opponent for Doctoral thesis of Dr C Molander at Karolinska Institute
- 1990 Jennifer Small, Institute of Neurology London
- 1990 Nick Harthill, University of Bristol
- 1991 Ying Chen, University of Southampton
- 1991 Simon Williams, Cambridge University
- 1991 Opponent for Doctor Medicinae thesis of Dr. Arne Tjolsen, University of Bergen
- 1997 David Bennett, University of London
- 1999 Kelly van Koughnet, Neurobiology, Harvard Medical School Thesis Defence committee
- 2001 Nat Blair, Neurobiology, Harvard Medical School, Thesis Advisory committee
- 2003 Kevin Wang, Neurobiology, Harvard Medical School, Thesis Defence committee
- 2004 Cindy Chen, Biology, Harvard University, Thesis Advisory committee
- 2005 Allison Knoll, Harvard Medical School, Chairman Thesis Advisory Committee
- 2005 Vuk Koprivica, Neurobiology, Harvard Medical School, Thesis Defence committee
- 2006 Anthony W Peng, Harvard MIT HST-SHBT Thesis Defense

Supervisor, PhD degree

- 1983-86 A.J. Cook, University College London
- 1986-89 C. O'Brien University College London
- 1990-94 M. Hu-Tsai University College London
- 1994-97 S. Neumann University College London
- 1996-98 R. Mannion University College London
- 1999-02 Susanna Benn University College London
- 2001- 04 Stefan Bloechlinger University Zurich (with Martin Schwab)
- 2001- 05 Robert Griffin Harvard Medical School
- 2001- 06 Max Fun Cambridge University (with James Fawcett)

Supervisor, MD degree

- 1990-2 M.S. Chong Consultant Neurologist, Kings College Hospital London
- 1992-5 T. Leslie Consultant Dermatologist, Edgware Hospital, London

Postdoctoral Fellows

Past

- A.E. King Senior Lecturer, Leeds University, UK
- S.W.N. Thompson Senior Lecturer, University of Plymouth UK
- L Urban Novartis Cambridge
- P. Shortland Lecturer, University of London
- M. Reynolds Retired
- L. Sivilotti Lecturer, University College London
- Q.P. Ma Senior Scientist Merck Sharp & Dohme UK
- B. Safieh-Garabedian Senior Lecturer, American University of Beirut
- T.P. Doubell Senior Research Fellow, Oxford University

G. Kendall	Senior Research Fellow, UCL
H. Bester	Sanofi, France
Istvan Nagy	Imperial College London
H. Baba	Professor, Chief of Anesthesia Nigaata Medical School
T. Kershaw	Institute of Psychiatry, London
O. Behar	Assistant Professor Hebrew University Jerusalem
F Amaya	Attending Physician Kyoto Japan
I. Décosterd	Chef de Clinique Department of Anesthesia University of Lausanne
R-R. Ji	Assistant Professor, Brigham and Womens' Harvard Medical School
S. Neumann	Research Fellow, UCSF
F. White	Associate Professor Loyola University
T. Khuno	Attending Anesthesiologist Nigaata Japan
K. Mizuno	Research Fellow, UCL
K. Befort	Assistant Professor INSERM Strasbourg France
K. Moore	Research Fellow, UCSF
Daniel Broom	Senior Scientist, Neurogen Inc
Laurie Karchewski	University of Ottawa
Nobuko Ito	Attending Physician Tokyo
Jinny Jeong	Research Fellow, Neurology MGH
Charles Mills	Program Leader, Neurocrine Inc
Dong-Ho Youn	Assistant Professor, Korea
Irmagard Tegeder	Professor University of Frankfurt, Germany
Chun-Ren Lin	Attending Physician, University of Taiwan
Jason Campagna	Assistant Professor, University of Pennsylvania

Current

M. Costigan	Instructor, HMS and MGH
J Scholtz	Humboldt Fellow, Instructor HMS and MGH
T. Samad	Instructor, HMS and MGH
G. Brenner	Attending Physician, MGH
Rhona Seiffers	Research Fellow, MGH
Haibin Wang	Research Fellow, MGH
Alex Binshtock	Research Fellow, MGH
Eddie Ma	Research Fellow, MGH
Lee Barrett	Research Fellow, MGH
Andrew Moss	Visiting Research fellow MGH and UCL
Monica Verma	Research Fellow, MGH

Plenary Lectures / International Meetings

- 1988**
- 1) NATO Advanced Research Workshop "Processing of Sensory Information in the Superficial Dorsal Horn of the Spinal Cord", El Escorial, Spain.
 - 2) Royal College of Surgeons London, "Pain".
 - 3) Royal Society of Medicine London, "Pains which Persist".
- 1989**
- 1) Meeting in honour of Professor Pat Wall, Woods Hole, Massachusetts, USA.
 - 2) Royal Society, London "Inflammatory Pain".

- 3) International Union of Physiological Sciences (IUPS) meeting "Somatosensory Processing" in honour of Vernon Mountcastle, Stockholm, Sweden.
 - 4) IUPS "Plasticity and Pain", Helsinki, Finland.
 - 5) Israeli Pain Society, "International Meeting on Pain", Herzlia, Israel.
 - 6) Princeton Drug Symposium "New Strategies on Pain Control", Princeton, USA.
- 1990**
- 1) International Association for the Study of Pain (IASP), Sixth International Meeting, Adelaide, Australia.
 - 2) International Congress on Neuromuscular Disease, "Plasticity of Motoneuronal Connections, Peripheral and Central", Bonn, Germany.
 - 3) Akademie der Wissenschaften und der Literatur "Pathobiology of the Reflex Sympathetic Dystrophy", Mainz, Germany.
 - 4) Royal Dental College Copenhagen "Pain Mechanisms", Denmark.
- 1991**
- 1) International Spinal Research Trust "Cellular and Molecular Bases of CNS Repair", Bermuda.
 - 2) Bristol-Myers Squibb Symposium "Hyperalgesia", University of Texas, Galveston.
 - 3) European Neuroscience Association 14th Annual Meeting, Cambridge.
 - 4) International Brain Research Organization "Pain and Neuroplasticity, Montreal.
 - 5) International Brain Research Organization "Development, Plasticity and Regeneration in the Spinal Cord; Cellular and Molecular Interactions", Quebec City.
- 1992**
- 1) IBC International Conference "Pain: Pathophysiological mechanisms/present and future therapy" London.
 - 2) Harvard Medical School, Beth Israel Hospital Critical Care Grand Round, Boston.
 - 3) Association Pour la Neuro Psycho Pharmacologie "Spinal Cord Neuroplasticity" Paris.
 - 4) European and American Societies of Regional Anaesthesia Joint Congress, Brussels.
 - 5) European Society for Stereotactic and Functional Neurosurgery, Stockholm.
- 1993**
- 1) Institut für Hirnforschung der Universität Zürich.
 - 2) Bristol-Myers Squibb Symposium, Pharmacological approaches to the treatment of pain, University of California, San Francisco.
 - 3) IUPS XXXII Congress Glasgow, Plasticity of the Somatosensory System.
 - 4) European Neuropeptide Club, 3rd Annual meeting, Cambridge.
 - 5) NATO, Advanced Research Workshop, Cellular Mechanisms of Somatosensation, Kent.
 - 6) Pain in Neurology, Boerhaave Symposium, Leiden.
 - 7) World Congress on Inflammation, Vienna.
- 1994**
- 1) XIIth International Congress of Pharmacology (IUPHAR), Montreal
 - 2) International Spinal Research Trust, Spinal Cord Regeneration, Bermuda.
 - 3) Swedish Medical Society & Karolinska Institute, Sweden.
 - 4) IBC International Symposium, Pain New Directions and Control, London
 - 6) Anesthesiology Grand Ward Round, Massachusetts General Hospital, Boston.

- 1995**
- 1) Migraine Trust 30th Anniversary International Workshop, Leeds Castle.
 - 2) Pain Symposia Physiological Society, Nagoya, Osaka & Tokyo.
 - 3) American Association of University Anesthesiologists Pain Symposium, San Diego.
 - 4) Seminar, Biology Division, Caltech, Pasadena.
 - 5) Seminar, Neuroscience, Harvard Medical School, Boston.
 - 6) Hyperalgesia and Asthma Symposium, Bermuda
 - 7) Keynote lecture, 10th Anniversary Sandoz Institute for Medical Research, London
 - 8) Faculty of Science Research Lecture, University of Surrey
 - 9) Societe de Dolour, Paris
- 1996**
- 1) International Association for the Study of Pain, Vancouver.
 - 2) 7th International Headache Research Seminar, Denmark.
 - 3) Massachusetts General Hospital, 150th Anniversary of the Administration of Ether, Boston.
 - 4) Molecular Neurobiology of Pain, Boston.
 - 5) Psycho-Physical Measurement in Health and Pain, Royal Society of Medicine, London
 - 6) Keynote speaker Glaxo-Wellcome International Pain Forum, London
- 1997**
- 1) Society for Neuroscience, Plenary lecture, New Orleans
 - 2) Inauguration Meeting Astra Pain Research Laboratories, Montreal
 - 3) University of Toronto, Department of Medicine, Toronto.
 - 4) University of Zurich Seminar, Switzerland
 - 5) Formation and Plasticity of Neuronal Circuits, Monte Verita, Ancona, Switzerland.
 - 6) Grand Rounds Anaesthesia, MGH, Boston.
 - 7) NIH, New Developments in Pain Research, Bethesda
 - 8) MRC Cambridge Parke Davis Distinguished Lecture Series in Neuroscience, Cambridge UK
 - 9) Japan Society for Anesthesia, Niigata.
- 1998**
- 1) Pain Classification Meeting, Glaxo, New York.
 - 2) Tenth CR Steven Lecture, Washington University, St Louis.
 - 3) Gunn-Loke Lecture, University of Washington, Seattle.
 - 4) National Academy of Science Meeting on Pain, Irvine
 - 5) Clinical Psychophysiology of Pain, Tubingen, Germany
 - 6) NGF 98, 5TH NGF Meeting, Stockholm.
 - 7) Grand Rounds, Neurology, MGH
 - 8) University of Minnesota, Invited Faculty, Pain Symposium
 - 9) Seminar, Department of Neuroscience, Case Western Reserve University, Cleveland
 - 10) American Pain Society, Neuropathic Pain Meeting, Sonoma Valley
 - 11) Grand Rounds, Anesthesia, Beth Israel Deaconess Hospital
 - 12) Seminar, Neurobiology, Harvard Medical School
 - 13) British Pharmacological Society, London
- 1999**
- 1) Grand Rounds, Anesthesia Children's Hospital Boston
 - 2) Seminar, Neuroscience Division, Children's Hospital, Boston

- 3) Seminar, Neuroscience, UCSF
 - 4) Society for Neuroscience, Neuroscience 2000: A New Era Of Discovery, Washington DC
 - 5) International Headache Society, Barcelona
 - 6) International Brain Research Association, Jerusalem
 - 7) International Association for the Study of Pain, Vienna
 - 8) Neuroscience Working Group, Boca Ratan, Fl
 - 9) American Pain Society, Fort Lauderdale
- 2000**
- 1) Visiting Professor, Food and Drug Administration, Washington DC
 - 2) Grand Rounds, Anesthesia, Brigham and Women
 - 3) Harvard College, Mind Brain Initiative Conference on Pain
 - 4) 2nd International Neuropathic Pain Conference, Washington DC
 - 5) International Pediatric Pain Conference, London
 - 6) International Autonomic Neuroscience Conference, London
 - 7) Bahon Lecture, University of Kansas Medical Center
 - 8) International Spinal Research Trust London
 - 9) Grand Rounds, Memorial Sloan Kettering Hospital, New York
- 2001**
- 1) Distinguished Visiting Scientist Lecture, Albany Medical College
 - 2) American Society for Clinical Pharmacology and Therapeutics
 - 3) Killam Speaker, Montreal Neurological Institute
 - 4) International Headache Society 10th Congress New York
 - 5) Eurospine, Spine Medal Lecture, Sweden
 - 6) Benjamin G Covino Lecture, Harvard Medical School
- 2002**
- 1) Vollum Institute, Portland Oregon
 - 2) St Judes Hospital, Memphis Tennessee
 - 3) Pain Bridge Meeting, Colorado
 - 4) NIH/FDA Analgesic Drug Development workshop
 - 5) Chemical Dependency and Pain Conference New York
 - 6) American Society for Anesthesia, Anesthesiology Symposium, Orlando
 - 7) Cox-2 International Workshop, Rome
- 2003**
- 1) Grand Rounds Neurology, Boston Medical Center
 - 2) Grand Rounds Anesthesia, Yale
 - 3) Keystone Symposium on Axon Guidance
 - 4) Grand Rounds Anesthesia Henry Ford Hospital Detroit
 - 5) British Neuroscience Meeting Harrogate
 - 6) Royal Society London, Pain Meeting
 - 7) Pfizer Pain Symposium Nagoya Japan
 - 8) NIH/FDA Analgesic Guidelines meeting
- 2004**
- 1) Neurodegeneration, Verbier Switzerland
 - 2) Annua Neuroscience lecture, Edinburgh University, Scotland
 - 3) Duke, Anesthesia, Grand Rounds

- 4) IASP Neuropathic pain, Madrid
 - 5) Jacskon Labs Neurogenetics, Bar Harbor
 - 6) Gordon Conference Synaptic Plasticity, NH
 - 7) University of Pittsburgh
 - 8) Northwestern University, Chicago
 - 9) University of Chicago
 - 10) Rehabilitation Institute, Chicago Addison Lecture
 - 11) Neuropathic Pain, Bermuda
 - 12) New York Academy of Science
- 2005**
- 1) Keystone Symposium, Axon Guidance
 - 2) IASP Plenary Lecture, Sydney
 - 3) Miami Project, University of Miami
 - 4) Association of University Anesthesiologists, Baltimore
 - 5) Brown University, RI
 - 6) Kinins, Lund Sweden
 - 7) Karolinska Institut, Stockholm
- 2006
- 1) Max Dulbrek Institute Berlin
 - 2) Swiss Neuroscience Association, Basle
 - 3) German Pharmacological Association, Mainz
 - 4) University of Chicago, Peripheral Nerve Symposium
 - 5) American Pain Society, San Antonio
 - 6) Keystone Symposium, Pain and Analgesia
 - 7) Institute of Neuroscience, Academy of Science Shanghai
 - 8) IUPHAR, Beijing
 - 9) Peking University Institute of Neuroscience
 - 10) American Gastroenterological Association, Cambridge UK
 - 11) British Pharmacological Society, 75th Anniversary, London
 - 12) Mid Atlantic Pharmacological Society, Philadelphia
 - 13) NINDS Peripheral Neuropathy Workshop
 - 14) Johns Hopkins Inauguration Sensory Biology Institute
 - 15) American College of Rheumatology, Washington
 - 16) Pain Discovery, Edinburgh

Bibliography

I. Original Articles

1. Woolf CJ, Laburn HP, Willies GH, Rosendorff C. Hypothalamic heating and cooling in monoamine depleted rabbits. **American Journal of Physiology** 1975;228:569-74.
2. Woolf CJ, Willies GH, Laburn HP, Rosendorff C. Pyrogen and prostaglandin fever in the Rabbit - I: Effects of salicylate and the role of cyclic AMP. **Neuropharmacology** 1975;14:397-403.

3. Laburn HP, Woolf CJ, Willies GH, Rosendorff C. Pyrogen and Prostaglandin fever in the Rabbit - II: Effects of noradrenaline depletion and adrenergic receptor blockade. **Neuropharmacology** 1975;14:405-11.
4. Willies GH, Woolf CJ, Rosendorff C. The effects of sodium salicylate on the fever produced by intrahypothalamic dibutyryl cyclic AMP. **Neuropharmacology** 1976;15:9-10.
5. Woolf CJ, Willies GH, Rosendorff C. Does cyclic AMP have a role in the pathogenesis of fever in the rabbit? **Naturwissenschaften** 1976;63:94.
6. Willies GH, Woolf CJ, Rosendorff C. The effect of an inhibitor of adenylate cyclase on the development of pyrogen, prostaglandin and cyclic AMP fever in the rabbit. **Pflugers Archiv** 1977;367:177-81.
7. Borsook D, Laburn HP, Rosendorff C, Willies GH, Woolf CJ. A dissociation between temperature regulation and fever in the rabbit. **Journal of Physiology** 1977;266:423-34.
8. Myers RAM, Woolf CJ, Mitchell D. Management of acute traumatic pain by peripheral transcutaneous electrical stimulation. **South African Medical Journal** 1977;52:309-12.
9. Woolf CJ, Barrett G, Mitchell D, Myers RAM. Naloxone-reversible peripheral electroanalgesia in intact and spinal rats. **European Journal of Pharmacology** 1977;45:311-4.
10. Chandler HD, Woolf CJ, Hepburn HR. Gliding edge dislocations in proteins: a mechanism for active ion transport. **Biochemistry Journal** 1978;169:559-65.
11. Woolf CJ. Transcutaneous electrical nerve stimulation and the reaction to experimental pain in human subjects. **Pain** 1979;7:115-27.
12. Willies GH, Woolf CJ. The site of action of corticosteroid antipyresis in the rabbit. **Journal of Physiology** 1980;300:1-6.
13. Woolf CJ, Mitchell DJ, Barrett GD. The antinociceptive effect of peripheral segmental electrical stimulation in the rat. **Pain** 1980;8: 237-52.
14. Woolf CJ. Analgesia and hyperalgesia produced in the rat by intrathecal naloxone. **Brain Research** 1980;189:593-7.
15. Woolf CJ. Intracerebral naloxone and the reaction to thermal noxious stimulation in the rat. **Brain Research** 1980;190:578-83.
16. Fitzgerald M, Woolf CJ. The stereospecific effect of naloxone on rat dorsal horn neurones; inhibition in superficial laminae and excitation in deeper laminae. **Pain** 1980;9:293-306.

17. Dawson NJ, Dickenson AH, Hellon RF, Woolf CJ. Inhibitory controls on thermal neurones in the spinal trigeminal nucleus of cats and rats. **Brain Research** 1981;209:440-45.
18. Aziz LA, Forsling ML, Woolf CJ. The effect of intra-cerebroventricular injections of morphine on vasopressin release in the rat. **Journal of Physiology** 1981;311:401-9.
19. Dickenson AH, Hellon RF, Woolf CJ. Tooth pulp input to the spinal trigeminal nucleus: a comparison of inhibitions followed segmental and raphe magnus stimulation. **Brain Research** 1981;214:73-87.
20. Woolf CJ. Intrathecal high dose morphine produces hyperalgesia in the rat. **Brain Research** 1981;209:491-5.
21. Fitzgerald M, Woolf CJ. Effects of cutaneous nerve and intraspinal conditioning on C-fibre afferent terminal excitability in decerebrate spinal rats. **Journal of Physiology** 1981;318:25-39.
22. Woolf CJ, Fitzgerald M. Lamina-specific alteration of C-fibre evoked activity by morphine in the dorsal horn of the spinal cord. **Neuroscience Letters** 1981;25:37-41.
23. Woolf CJ, Fitzgerald M. Do opioid peptides mediate a presynaptic control on C-fibre transmission in the rat spinal cord. **Neuroscience Letters** 1982;29:67-72.
24. Woolf CJ, Wall PD. Chronic peripheral nerve section diminishes the primary afferent A-fibre mediated inhibition of rat dorsal horn neurones. **Brain Research** 1982;242:77-85.
25. Fitzgerald M, Woolf CJ. The time course and specificity of the changes in the behavioural and dorsal horn cell responses to noxious stimuli following peripheral capsaicin treatment. **Neuroscience** 1982;7:2051-6.
26. Wall PD, Fitzgerald M, Woolf CJ. The effects of capsaicin on receptive fields and on inhibitions in rat spinal cord. **Experimental Neurology** 1982;78:425-36.
27. Woolf CJ. C-primary afferent mediated inhibitions in the dorsal horn of the decerebrate-spinal rat. **Experimental Brain Research** 1983;51:283-93.
28. Woolf CJ, Fitzgerald M. The properties of neurons recorded in the superficial dorsal horn of the rat spinal cord. **Journal of Comparative Neurology** 1983;221:313-28.
29. Woolf CJ. Evidence for a central component of postinjury pain hypersensitivity. **Nature** 1983;306:686-8.
30. Fitzgerald M, Woolf CJ, Gibson SJ, Mallaburn PS. Alterations in the structure, function and chemistry of C fibres following local application of vinblastine to the sciatic nerve of the rat. **Journal of Neuroscience** 1984;4:430-41.

31. Woolf CJ. Long term alterations in the excitability of the flexion reflex produced by peripheral tissue injury in the chronic decerebrate rat. **Pain** 1984;18:325-43.
32. Woolf CJ. A selective effect of naloxone on heterosynaptic C-fibre mediated inhibitions in the rat dorsal horn. **Neuroscience Letters** 1984;45:169-74.
33. Woolf CJ, Chong MS, Ainsworth A. Axotomy increases glycogen phosphorylase activity in motoneurons. **Neuroscience** 1984;12:1261-9.
34. Wall PD, Woolf CJ. Muscle but not cutaneous C-afferent input produces prolonged increases in the excitability of the flexion reflex in the rat. **Journal of Physiology** 1984;356:443-58.
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WO 03/08960 DRG11-Responsive (Dragon) Gene Family

WO 03/092676 Compositions And Methods For Preventing Abuse Of Orally Administered Medications

WO2005/060667 Nucleic Acid And Amino Acid Sequences Involved In Pain

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