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**BUSINESS ADDRESS:** National Center for Advancing Translational Sciences  
(NCATS)  
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**EDUCATION:**

1977	DDS, University of the Witwatersrand, Faculty of Dentistry Johannesburg, South Africa.
1980	MSc. (Dent), University of the Witwatersrand, Faculty of Dentistry Johannesburg, South Africa.

**PROFESSIONAL EXPERIENCE:**

January 2014 – present  
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES, NIH  
Deputy Director

January 2006 – February 2014  
NATIONAL INSTITUTE OF DENTAL AND CRANIOFACIAL RESEARCH, NIH  
Director, Division of Extramural Research

December 2000 – January 2006  
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)  
Deputy Director, Division of Microbiology and Infectious Diseases (DMID)

February 2000-December 2000  
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES  
Acting Deputy Director, DMID, and Associate Director for Clinical Research, DMID

1996-February 2000  
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES  
Chief, Respiratory Diseases Branch

1994-February 2000  
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES  
Neonatal Pathogens and Maternal Immunization Program Officer, DMID

1990-1994  
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES  
Bacterial Vaccines Program Officer, DMID

1989-1990

NATIONAL INSTITUTES OF HEALTH  
Grants Associate

1988-1989

LOUISIANA STATE UNIVERSITY MEDICAL CENTER  
Associate Professor of Orthodontics (with tenure)

1985-1988

LOUISIANA STATE UNIVERSITY MEDICAL CENTER  
Associate Professor of Operative Dentistry (with tenure)

1984-1989

LOUISIANA STATE UNIVERSITY MEDICAL CENTER  
Consultant in Biomaterials to the Veteran's Administration, New Orleans

1981-1984

LOUISIANA STATE UNIVERSITY MEDICAL CENTER  
Assistant Professor of Biomaterials

1977-1979

UNIVERSITY OF THE WITWATERSRAND, SOUTH AFRICA  
Lecturer in Anesthesiology

#### **LICENSURE:**

Registered dentist with full licensure, Florida, USA, 1984 - present

#### **SPECIAL HONORS AND AWARDS:**

NIH Director's Award, 2015

*"For extraordinary collaborative efforts to rapidly identify approved or experimental drugs that could be candidates for treating Ebola".*

NIH Director's Award, 2014

*"For outstanding leadership resulting in a revitalized NIDCR extramural research program-enhanced intramural clinical research oversight activities and extensive contributions to trans-NIH research activities".*

NIH Director's Award, 2013

*"For outstanding leadership of the Human Microbiome Project (HMP), which contributed new insights into the composition of the human microbiome and its correlation with health".*

NIAID Director's Award, 2010

*"In recognition of outstanding performance, teamwork and coordination in the planning, conduct, and completion of the Herpevac Trial for Women".*

NIH Director's Mentoring Award, 2008

*"For her extraordinary success in mentoring and coaching both professional and support staff in support of NIDCR's extramural research program".*

NIH Director's Award, 2005

*"In recognition of outstanding efforts in response to influenza vaccine shortage and*

*pandemic preparedness*".

DHHS Secretary's Award for Distinguished Service, 2003  
*"For the design and implementation of a critically important program for biodefense strategies through basic and applied scientific research"*.

NIAID Director's Recognition Award, 2003  
*"In recognition and appreciation of special achievement related to vaccine development for infectious diseases"*.

NIH Director's Award, 2002  
*"For exceptional efforts in developing, coordinating, and implementing counter bioterrorism, research activities for DMID"*.

NIH Director's Award, 1996  
*"In recognition of your exceptional leadership in advancing the development and safe implementation of Haemophilus influenzae vaccines"*.

NIAID Director's Merit Award, 1995  
*"For exceptional leadership in advancing the development and safe implementation of Haemophilus influenzae vaccines"*.

EEO Special Achievement Award, NIAID, 1994  
*"For exceptional leadership of the NIAID EEO Advisory Committee, along with innovations in the EEO program structure and activities"*.

American Association of Dental Research Award, 1991

Omicron Kappa Upsilon National Honor Dental Society, 1986

Elida Gibbs Research Award, 1978

Medical Research Council Research Award, 1977

The Lester Brown Award for Merit in Maxillofacial and Oral Surgery, 1977  
*"Awarded to the graduand who is deemed the most distinguished of his year"*.

The Dental Association of South Africa Gold Medal for Operative Dentistry, 1977  
*"Awarded to the graduand who is deemed the most distinguished final year student in Operative Dentistry"*.

The Amalgamated Dental Company Gold Medal, 1977  
*"Awarded to the graduand who is deemed the most distinguished of his year"*.

Johnson & Johnson Dental School Research Award, 1977

J.C. Middleton-Shaw Prize for Dental Research, 1976

Anthony C. Lewis Prize for Anatomy, 1973

## **PUBLICATIONS IN FULL:**

1. Robb MA, McInnes PM, Califf RM: Biomarkers and Surrogate Endpoints: Developing Common Terminology and Definitions. JAMA 2016;315(11):1107-8.
2. Rubinstein YR, McInnes P. NIH/NCATS/GRDR® Common Data Elements: A leading force for standardized data collection. Contemp Clin Trials. 2015 May;42:78-80. doi: 10.1016/j.cct.2015.03.003. Epub 2015 Mar 20.
3. Aagaard K, Petrosino J, Keitel W, Watson M, Katancik J, Garcia N, Patel S, Cutting M, Madden T, Hamilton H, Harris E, Gevers D, Simone G, McInnes P, Versalovic J. The Human Microbiome Project strategy for comprehensive sampling of the human microbiome and why it matters. FASEB J. 2013;27(3):1012-22.
3. Human Microbiome Project Consortium. Structure, function, and diversity of the healthy human microbiome. Nature 2012;486(7402):207-14.

4. Human Microbiome Project Consortium. A framework for human microbiome research. *Nature* 2012;486(7402):215-21.
5. NIH HMP Working Group, Peterson J, Garges S, Giovanni M, McInnes P, Wang L, Schloss JA, Bonazzi V, McEwen JE, Wetterstrand KA, Deal C, Baker CC, Di Francesco V, Howcroft TK, Karp RW, Lunsford RD, Wellington CR, Belachew T, Wright M, Giblin C, David H, Mills M, Salomon R, Mullins C, Akolkar B, Begg L, Davis C, Grandison L, Humble M, Khalsa J, Little AR, Peavy H, Pontzer C, Portnoy M, Sayre MH, Starke-Reed P, Zakhari S, Read J, Watson B, Guyer M. The NIH Human Microbiome Project. *Genome Res.* 2009 Dec;19(12):2317-23. Epub 2009 Oct 9.
6. Paoletti LC, Guttormsen HK, Christian MS, Hoberman AM, McInnes P. Neither antibody to a Group B streptococcal conjugate vaccine nor the vaccine itself is teratogenic in rabbits. *Human Vaccines*, 2008, 4(6):435-43. Epub 2008 Nov 21.
7. Baker CJ, Rench MA, McInnes P. Immunization of pregnant women with group B streptococcal type III capsular polysaccharide-tetanus toxoid conjugate vaccine. *Vaccine*, 2003, 21:3468-3472.
8. Obaro SK, Enwere GC, DeLoria M, Jaffar S, Goldblatt D, Brainsby K, Hallander H, McInnes P, Greenwood BM, McAdam KPWJ. Safety and immunogenicity of pneumococcal conjugate vaccine in combination with diphtheria, tetanus toxoid, pertussis and *Haemophilus influenzae* type b conjugate vaccine. *Pediatric Infectious Diseases Journal*, 2002, 21:940-946.
9. Santosham M, Englund JA, McInnes P, Croll J, Thompson C, Croll L, Glezen WP, Siber GR: Safety and antibody persistence following *Haemophilus influenzae* type b conjugate or pneumococcal polysaccharide vaccines given before pregnancy in women of childbearing age and their infants. *Journal of Pediatric Infectious Diseases*, 2001, 20:931-940.
10. Valiante NM, Rappuoli R, Insel RA, McInnes P, and Hoeverler A: The Challenges of Vaccinating the Very Young: Lessons From a Very Old System of Host Defense. A Meeting Report. *Vaccine*, 1999, 17:2757-2762.
11. Breiman RF, Butler JC, McInnes PM: Vaccines to prevent respiratory infection: opportunities on the near and far horizon. *Current Opinions in Infectious Diseases*, 1999, 12:145-152.
12. Anderson EL, Decker MD, Englund JA, Edwards KM, Anderson P, McInnes P, and Belshe RB: Interchangeability of Conjugated *Haemophilus influenzae* type b Vaccines in Infants. *JAMA*, 1995, 273:849-853.
13. Rabinovich NR, McInnes P, Klein DL, Hall, BF: Vaccine Technologies: View to the Future. *Science*, 1994, 265:1401-1404.
14. McInnes PM, Schuttinga J, Sanslone WR, Stark SP and Klippel JH: The Economic Impact of Treatment of Severe Lupus Nephritis with Prednisone and Intravenous Cyclophosphamide. *Arthritis & Rheumatism*, 1994, 37:1000-1006.

15. Wendt SL, McInnes PM, Dickinson GL: The effect of thermocycling in microleakage analysis. *Dental Materials*, 1992, 8:181-184.
16. McInnes PM, Wendt, S.L., Retief DH and Weinberg, R: Effect of Dentin Surface Roughness on Shear Bond Strength. *Dental Materials*, 1990, 6:204-207.
17. Grogono AL, McInnes PM, Zinck JH and Weinberg R: Posterior Composite and Glass Ionomer/Composite Laminate Restorations: 2-Year Results of a Clinical Investigation. *American Journal of Dentistry*, 1990, 3:147-152.
18. Britton JC, McInnes PM, Ledoux WR, Weinberg R and Retief DH: Bond Strength of Ceramic Orthodontic Brackets to Enamel. *American Journal of Orthodontics and Dentofacial Orthopedics*, 1990, 98:348-353.
19. McInnes-Ledoux PM, Perkins E and Weinberg R: In vitro Microleakage of Glass Ionomer/Composite Laminate Class V Restorations. *American Journal of Dentistry*, 1990, 3:21-24.
20. Coreil M, McInnes-Ledoux PM, Ledoux WR and Weinberg R: Shear Bond Strength of Four Orthodontic Bonding Systems. *American Journal of Orthodontics and Dentofacial Orthopedics*, 1990, 97:126-129.
21. Sheridan J and McInnes P: Air Rotor Stripping and Proximal Sealants - an SEM Evaluation. *Journal of Clinical Orthodontics*, 1990, December:790-794.
22. Zinck JH, McInnes-Ledoux PM, Capdeboscq C and Weinberg R: Chemomechanical Caries Removal: A Clinical Evaluation. In: The Year Book of Dentistry 1989; ed. L.F. Rose, Year Book Medical Publishers, Inc., Chicago, pp 134-137.
23. McInnes-Ledoux PM, Weinberg R and Grogono AL: Bonding Glass Ionomer Cements to Chemomechanically-prepared Dentin. *Dental Materials*, 1989, 5:189-193.
24. McInnes-Ledoux PM, Ledoux WR and Weinberg R: A Bond Strength Study of Luted Castable Ceramic Restorations. *Journal of Dental Research*, 1989, 68:823-825.
25. Himel V and McInnes-Ledoux PM: A Chemomechanical System of Caries Removal - Selected Applications. *The Compendium of Continuing Education in Dentistry*, 1989, 10:179-184.
26. Smith GA, McInnes-Ledoux PM, Ledoux WR, and Weinberg R: Orthodontic Bonding to Porcelain - Bond Strength and Refinishing. *American Journal of Orthodontics*, 1988, 94:245-252.
27. Zinck JH, McInnes-Ledoux PM, Capdeboscq C and Weinberg R: CARIDEX™: Chemical Caries Removal. *Journal of Oral Rehabilitation*, 1988, 15:23-33.
28. McInnes-Ledoux PM, Ledoux WR and Weinberg R: Bond Strength of Dental Bonding Agents to Chemomechanically-prepared Dentin. *Dental Materials Journal*, 1987, 3:331-336.

29. Weinberg R, Fontenot C, Ledoux WR and McInnes-Ledoux, PM: Managing Orthodontic Data in a University Environment. *The Angle Orthodontist*, 1987, 57:209-218.
30. McGuinness JW, McInnes-Ledoux PM, Ferraro EF and Carr JC: Daily Release of Copper from Dental Alloy Restorations in a Patient with Wilson's Disease. *Oral Surgery, Oral Medicine, Oral Pathology*, 1987, 63:511-515.
31. McInnes-Ledoux PM, Zinck J and Weinberg R: The Effectiveness of Opaquer and Color-Modifier Materials - a Laboratory Study. *Journal of the American Dental Association*, 1987, 114:205-209.
32. Zinck JH and McInnes-Ledoux PM: Posterior Composites, Part II. *Journal of the Louisiana Dental Association*, 1985, 43 (4):6-12.
33. Zinck JH, and McInnes-Ledoux PM: Posterior Composites, Part I. *Journal of the Louisiana Dental Association*, 1985, 43 (3):9-12.
34. Norris DS, McInnes-Ledoux PM, Schwaninger B and Weinberg R: Retention of Orthodontic Bands with New Fluoride-Releasing Cements. *American Journal of Orthodontics*, 1986, 89:206-211.
35. DeGenova D, McInnes-Ledoux PM, Weinberg R and Shaye R: Force Degradation of Orthodontic Elastomeric Chains - A product Comparison Study. *American Journal of Orthodontics*, 1985, 87:377-384.
36. McInnes-Ledoux PM, Cleaton-Jones PE and Austin JC: The Pulpal Response to Dilute Citric Acid Smear Removers. *Journal of Oral Rehabilitation*, 1985, 12:215- 228.
37. Ledoux WR, Malloy RB, Hurst RV, McInnes-Ledoux PM and Weinberg R: Electron Microscopy Studies Showing Structural Effects of Bleaching on Tetracycline-Stained Vital Rat Teeth. *Journal of Prosthetic Dentistry*, 1985, 54:55-59.
38. McInnes-Ledoux PM, Austin JC and Cleaton-Jones PE: The Effects of Citric Acid Pretreatment on the Dentin Surfaces of Cavity Preparations. *Journal of Prosthetic Dentistry*, 1984, 52:353-358.
39. Cleaton-Jones PE, Austin JC, Fatti LP and McInnes-Ledoux PM: Pulpal Responses Evaluated by Two Assessment Systems Using NOBETEC as Negative and SUPER SYNTREX as Positive Control Materials. *Oral Surgery, Oral Medicine, Oral Pathology*, 1983, 56:353-358.
40. McInnes PM, Richardson BD and Cleaton-Jones PE: Comparison of Dental Fluorosis and Caries in Primary Teeth of Preschool Children Living in Arid High and Low Fluoride Villages. *Community Dentistry and Oral Epidemiology*, 1982, 10:182-186.
41. Richardson BD, Cleaton-Jones PE, McInnes-Ledoux PM and Rantsho JM: Infant Feeding Practices and Nursing Bottle Caries, *Journal of Dentistry for Children*, 1981,48:423-429.

42. Cleaton-Jones PE, Richardson BD and McInnes PM: Dental Caries in Coloured and Indian Children Aged 1 to 5 years. Journal of the Dental Association of South Africa, 1981, 36:17-20.
43. Richardson BD, McInnes PM and Cleaton-Jones PE: Fluorosis in the Deciduous Dentition. British Dental Journal, 1979, 146, 202-203.
44. McInnes PM and Viera E: The Dental Health Status of Chinese School Children in Johannesburg. Community Dentistry and Oral Epidemiology, 1979, 3:170-173.
45. Richardson BD, Cleaton-Jones PE, McInnes PM, Rantsho, JM and Pieters L: Total Sucrose Intake and Dental Caries in Black and White South African Children of 1-6 Years. Journal of the Dental Association of South Africa, 1978, 33, 533-544.
46. Cleaton-Jones PE, Richardson BD, McInnes PM and Fatti LP: Dental Caries in South African White Children Aged 1 to 5 years. Community Dentistry and Oral Epidemiology, 1978, 6:78-81.
47. Roberts MC, McInnes PM: DMFT and the Snyder Test in Four Ethnic Groups. Diastema, 1976, 4:18-19.

#### **PUBLICATIONS - BOOKS:**

Co-editor and author of a book: "Vaccines: From Concept to Clinic. A guide to the development and clinical testing of vaccines for human use". Ed. Paoletti LC and McInnes PM. CRC Press, Boca Raton, Florida, 1999.

Editor and co-author of a Biomaterials teaching manual: "Dental Materials Science", LSU School of Dentistry, 1981.

Editor and co-author of a Biomaterials teaching manual: "Dental Materials Science", 2nd edition, LSU School of Dentistry, 1982.

Author of a Dental Materials Laboratory Manual for Dental Hygienists: "Dental Materials for Dental Hygienists - A Lab Manual", 1st edition, LSU School of Dentistry, 1984.

Author of a Dental Materials Laboratory Manual for Dental Hygienists: "Dental Materials for Dental Hygienists - A Lab Manual", 2nd edition, LSU School of Dentistry, 1985.