DUKE UNIVERSITY MEDICAL CENTER

**CURRICULUM VITAE**

Date prepared: May 10, 2018

**Name: Dennis Alfred Clements III MD MPH PhD**

**Primary Academic Appointment: PEDIATRICS**

**Social Security Number:**  \*\*\*-\*\*‑\*\*\*\*

**Present Academic Rank:** Professor with tenure (3/1/2002)

Department of Pediatrics

Duke University Medical Center

Durham, NC 27710 USA

Professor Global Health

Duke University

Durham, NC 27708 USA

Professor (10/1/2002))

Dept. Community & Family Medicine

DUMC, Durham, NC 27710 USA

Professor (9/1/2003)

Department of Medicine

DUMC, Durham, NC 27710 USA

Professor (5/01/2008)

School of Nursing

DUMC, Durham, NC 27710 USA

Adjunct Professor (9/1/02)

Department of Epidemiology

School of Public Health

University of North Carolina

Chapel Hill, NC, USA

**Date and Rank of first Duke appt:** Pediatric Clinical Associate (7/1/78)

**Medical licensure:**  1) Diplomat National Board of Medical

Examiners (123019) 1974

2) North Carolina State License

(19587) 1974

**Specialty Certification:** American Board of Pediatrics 1978

(21196)

Pediatric Infectious Diseases 1997

(000531) (not renewed)

**Date of birth:** 30 November 1946

**Place of birth:** Birmingham, Alabama, USA

**Citizen of:** USA

**Education: Place** **Degree Date**

# High School Leysin, Switzerland Diploma 1964

University Johns Hopkins, Maryland BA 1968

Graduate School Univ. of Rochester, NY MD 1973

UNC - Chapel Hill, NC MPH 1988

UNC – Chapel Hill, NC Ph.D. 1990

**(**School of Public Health - Epidemiology

“Risk Factors for HIB Disease in Australia”)

## PROFESSIONAL TRAINING AND ACADEMIC CAREER

**Residency:**

Pediatrics, (PL1, PL2, PL3) 1973‑1976

Duke University Medical Center

### Durham, N. C. 27710

**Military Service:**

### Flight Surgeon, USAF, Norton AFB, CA 1976‑1978

**Private Pediatric Practice:**

Partner, Durham Pediatrics 1978‑1986

Central Medical Park

### Durham, NC 27705

**Fellowships:**

Pediatric Infectious Diseases 1986‑1988

Duke University Medical Center

Durham, N. C. 27710

Fellow, Department of Microbiology/Infectious Diseases 1988‑1990

Royal Children's Hospital

Melbourne, Victoria 3052

AUSTRALIA

**Occupation:**

Medical Director, Duke Primary Care 1998-2005

Vice Chair Pediatrics for Primary Care Services 1997-2005

ID Attending - Duke Children’s and Durham VA hospitals 1990-2005

Interim Chair Department of Pediatrics (1 March 2004-30 June 2005) 2004-2005

Chief Medical Officer of the Duke Children’s Hospital 2005-2007

Executive Vice-Chair for Clinical Services – Department of Pediatrics 2005-2007

Division Chief Duke Children’s Primary Care 1994-2016

Course Director, Exploring Medicine in Other Cultures - Duke Med 2000-present

Advisor, Medical Spanish Course – Duke Medical School 2004-present

Senior Advisor – Duke Global Health Institute 2007-present

Director, Center for Latin American and Caribbean Studies 2008-2012

Co-Director, Consortium for Latin American & Caribbean Studies 2008-present

**Present Address**:

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Email: dennis.clements@duke.edu

**PUBLICATIONS**

**1. Refereed Journals:**

1) Vogel CL, **Clements DA**, et al. Phase II Trials of BCNU and Bleomycin in the treatment of Kaposi's Sarcoma. Cancer Chemotherapy Reports **1973**;57:325‑33.

2) **Clements DA** and Gilbert GL. *Haemophilus influenzae* type b Infection: Victoria and Worldwide. Aust Microbiologist **1989**;10:523‑526.

3) **Clements DA**, Gilbert GL. Increase in *Neisseria meningitidis* Infection in Australia. Lancet **1989**;ii:1464.

4) **Clements DA**. *Haemophilus influenzae* type b Infections in Australia and Worldwide. Australian Society for Microbiology ‑ Tasmania Branch. **1989**;4:3‑6.

5) **Clements DA**, Wilfert CM, MacCormack JN, Weigle KA and Denny FW. Pertussis Immunization in eight‑month‑old children in North Carolina. Am J Pub Health **1990**;80:734‑736.

6) Gilbert GL, **Clements DA**, Broughton SJ. *Haemophilus influenzae* type b infections in Victoria, Australia 1985‑87. A population based study to determine the need for immunization. Pediatr Infect Dis J **1990**;9:252‑257.

7) **Clements DA**, Rouse JB, London WL, Yancy WS, Moggio MV and Wilfert CM. Antibody response of 18 month old children 1 and 18 months following *Haemophilus influenzae* type b (PRP) vaccine administered singly or with DTP vaccine. Journal of Paediatrics and Child Health **1990**:26:46‑49.

8) **Clements DA**, Gilbert GL. Immunization against *Haemophilus influenzae*. Med J Aust **1990**;152:397‑398.

9) **Clements DA**, Gilbert GL. Immunization for the prevention of *Haemophilus influenzae* type b disease: A review. Australian and New Zealand J of Medicine **1990**;20:828‑34.

10) **Clements DA**. *Haemophilus influenzae* type b: A description of the organism, the components of the cell envelope and their contribution to virulence. Austr Microbiologist **1990**;11:427‑30.

11) **Clements DA**, Guise IA, MacInnes SJ, Gilbert GL. *Haemophilus influenzae* type b infections in Victoria, Australia 1985‑89. J Infect Dis **1992**;165(suppl):S33‑34.

12) Takala AK, **Clements DA**. Socioeconomic Risk Factors for invasive *Haemophilus influenzae* type b Disease. J Infect Dis:**1992**;165(suppl): S11‑15.

13) **Clements DA**, MacInnis SJ, Gilbert GL. Outer membrane protein (OMP) subtypes of *Haemophilus influenzae* type b (HIB) causing invasive disease in Victoria, Australia 1988‑90. J Clin Micro **1992**;.1879‑81.

14) **Clements DA**, Guise I, Sherry A. Day care attendance rates in Victoria, Australia 1988‑90. Implications for the future. J Paediatr Child Health **1992**;29:71.

15) **Clements DA**, Booy R, Dagan R, Gilbert GL, Moxon ER, Slack M, Takala A, Zimmermann HP, Zuber LF, Eskola J. A Comparison of Epidemiology and Cost of *Haemophilus influenzae* type b (Hib) Disease in Five Western Countries. Ped Infect Dis J. **1993**;12:362‑367.

16) Gilbert GL and **Clements DA**. Distribution of *Haemophilus influenzae* type b outer membrane protein subtypes in different ethnic groups in Australia. J Infect Dis **1993**;168:255.

17) **Clements DA**, Katz SL. Varicella in a susceptible pregnant woman. Curr Clin Top Infect Dis **1993**;13:123‑130.

18) Walter E, Drucker R, **Clements DA**. A major barrier to the universal immunization of infants against Hepatitis B. Arch Pediatr Adolesc Med **1994**;148:538‑539.

19) Clements DA. Cost of Treatment and Prevention of Haemophilus influenzae type b Disease: An International Perspective. ParmacoEconomics **1994**; 6(5):442‑452.

20) Walter EB, Simmons SS, **Clements DA**. Anti‑PRP antibody levels five years after a primary series of Haemophilus influenzae type b HIB conjugate vaccine. J Infect Dis **1994**;170:1050‑1.

21) Jones SE, Armstrong CB, Bland C, Walter EB, **Clements DA**. Varicella Prevalence in Day Care Centers. Pediatric Infect Dis **1995**;14:404‑405.

22) Walter EB, Elliott AJ, Regan AN, Drucker RP, **Clements DA**, Wilfert CM. Maternal Acceptance of Voluntary Human Immunodeficiency Virus Antibody Testing During the Newborn Period using the Guthrie Card. Pediat Infect Dis J **1995**; 14:376‑81.

23) **Clements DA**, Armstrong CB, Ursano AM, Moggio MV, Walter EB, Wilfert CM. Over five-year follow-up of Oka/Merck varicella vaccine recipients in 465 infants and adolescents. Pediatr Infect Dis J **1995**;14:874-9.

24) Watson B, Rothstein E, Bernstein H, Arbeter A, Arvin A, Chartrand S, **Clements D**, Kumar ML, Reisinger K, Blatter M, Starr SE, Straehle B, Ngai A, White CJ. Safety and Cellular and Humoral Immune Responses of a Booster Dose of Varicella Vaccine 6 Years after Primary Immunization. J of Infect Dis **1995**;172:217-9.

25) Gilbert GL, Johnson PD, **Clements DA**. Clinical manifestations and outcome of *Haemophilus influenzae* type b disease. J Paediatr Child Health **1995**;31:99-104.

26) **Clements DA**, Weigle, KA, and Gilbert GL. A case-control study examining risk factors for invasive *Haemophilus influenzae* type b disease in Victoria, Australia 1988-90. J Paediatr. Child Health **1995**;31:513-518.

27) **Clements DA**, Langdon ML, Bland CL, Walter EB. Influenza A Vaccine Decreases the Incidence of Otitis Media in 6‑30 Month Old Day Care Children. Archives of Pediatrics and Adolescent Medicine **1995**;149:1113-1117.

28) Kuter BJ, Ngai AL, Patterson CM et al. Safety, tolerability and immunogenicity of two regimens of OKA/Merck varicella vaccine in healthy adolescents and adults. Vaccine **1995**;13:967-972.

29) Combs SP, Walter EB, Drucker RP, **Clements DA**. Removing a Major Barrier to Universal Hepatitis B Immunization in Infants. Archives of Pediatrics and Adolescent Medicine **1996**;150:112-114.

30) Ngai AL, Staehle BO, Kuter BJ et al. Safety and Immunogenicity of one vs. two injections of Oka/Merck Varicella Vaccine in Healthy Children. Ped Infect Dis J **1996**;15:49-54.

31) **Clements DA**. Influenza A Vaccine and the Incidence of Otitis Media. Archives of Pediatrics and Adolescent Medicine **1996**;150:652-3.

32) **Clements DA**. Modified Varicella-Like Syndrome. Infectious Disease Clinics of North America **1996**;10(3):617-629.

33) Walter EW, Simmons SS, Bland CL, **Clements DA**. Modified varicella like syndrome in children previously vaccinated with live attenuated measles, mumps, rubella and varicella vaccine. Ped Infect Dis J **1997**;16:626-627.

34) **Clements DA**. Use of Influenza A vaccines in children. Balliere’s Clinical Paediatrics: Respiratory Infections: Prevention and Review **1997**;5:157-170.

**35) Reuman** PD. Sawyer MH. Kuter BJ. Matthews H and the MMRV Study Group. Safety and immunogenicity of concurrent administration of measles-mumps-rubella-varicella vaccine and PedvaxHIB vaccines in healthy children twelve to eighteen months old. Pediatric Infect Dis J **1997**;16:662-7.

36) Walter EB, Sung J, Meine EK, Drucker RP, **Clements DA**. Lack of effectiveness of a letter reminder for annual influenza immunization of asthmatic children. Ped Infect Dis J **1997**;16:1187-1188.

37) Rennels MB, Hohenboken MJ, Reisinger KS, **Clements DA** et al. Comparison of acellular DTP and *Haemophilus influenzae* type b vaccines administered separately versus combined in younger versus older toddlers. Pediatr Infect Dis J:**1998**;17:164-166.

38) Meine EK, Bailey SR, Drucker RP, **Clements DA**, Walter EB. Varicella vaccination in a primary care pediatric practice. Archives of Pediatrics and Adolescent Medicine **1998**;152 (608-609).

39) Walter EB and **Clements DA**. Travel consultation for children in a University Affiliated Primary Care Setting. Ped Infect Dis J. **1998**;17:841-843.

40) Walter EB, Hornick R, Poland GA, Tucker R et al. Concurrent Administration of Inactivated Hepatitis A Vaccine with Immune Globulin in Adults. Vaccine **1999**;17:1468-73.

41) Frey S, Dagan R, Ashur, Y, **Clements D**, et al. Interference of antibody production to hepatitis B surface antigen in a combination Hepatitis A/Hepatitis B vaccine. J Infect Dis **1999**;2018-22.

42) **Clements DA**, Coplan P, Moriera S, Bland C, Walter EB. Post-licensure study of Varicella vaccine Effectiveness in a Day Care setting. Ped Infect Dis J **1999**;18:1047-50.

43) **Clements DA**. Varicella Vaccination in Children. BioDrugs **2000**:14;49-60.

44) **Clements DA**, Zaref JI, Bland CL, Walter EB, Coplan PM. Partial Uptake of Varicella Vaccine and the Epidemiologic Effect on Diseases in Eleven Day Care Centers in North Carolina. Arch Pediatr Adol Med **2001**;155:455-461.

45) Lee PL, Matchar DB, **Clements DA**, Huber J, Hamilton JD, Peterson ED. Economic Analysis of Influenza Vaccination and Anti-Viral Treatment for Healthy Working Adults. Annals of Internal Medicine **2002**; 137:225-231.

46) Woods CW,Bressler AM, LiPuma JL,Alexander BD, Clements DA, Weber DJ, Moore CM, Reller LB, Kaye KS. Virulence Associated with Outbreak-related Strains of *Burkholderia cepacia* Complex among a Cohort of Patients withBacteremia. Clin Infect Dis 2004; 38:1243-50.

47) Kuter B, Matthews H, Shinefield H, Black S et al. Ten Year Follow-up of Healthy Children who Received one or two Injections of Varicella Vaccine. Pediatr Infect Dis 2004; 23:132-7.

48) Walter EB, Snyder MA, **Clements DA**, Katz SL**.** Large Injection Site Reactions after a Second Dose of Varicella Vaccine. Pediatr Infect Dis **2008**:27(8):757-9.

49) Pollak, KI, Alexander, SC, Østbye, T, Lyna, P, Tulsky, JA, Dolor, RJ, Coffman, C, Brouwer, RJN, Esoimeme, I, Manusov, JRE, Bravender, T, Primary care physicians’ discussions of weight-related topics with at risk and overweight adolescents: Results from the Teen CHAT pilot study. *Journal of Adolescent Health.* 2009; 45(2) 205-207.

50) Salsbury, Mark; Fetzko, Stephanie; Flack, Sheila; Bodnar, Wanda; **Clements, Dennis**; Nylander-French, Leena A. "EVALUATION OF A URINE BIOMARKER OF ACETAMIPRID EXPOSURE IN HONDURAN PESTICIDE APPLICATORS: A PILOT STUDY" (re-submitted)

51) Walter EB and **Clements DA**. Pneumococcal Conjugate Vaccine: Are 3 Doses Equal to 4 Doses? (2013). Pediatrics, 08/2013, Volume 132, Issue 2, pp. e498 - E499

52) Matthew D Gunderson, MScGH; **Dennis Clements, MD**; Sara Elizabeth Benjamin

Neelon, PhD, MPH, RD: Nutritional Quality of Foods Marketed to Children in Honduras. Appetite, 02/2014, Volume 73, pp. 1 - 6.

53) Bhavna T. Pahel, DDS, PhD,R. Gary Rozier, DDS, Sally C. Stearns1,, PhD, John S. Preisser, PhD, **Dennis A. Clements, MD, PhD** The Effect of Dental Referrals by Primary Care Providers on Children’s Dental Utilization. JDR Clinical & Translational Research (submitted).

54) Romina Libster, Monica McNeal, Emmanuel Walter, Andi Shane et al. Safety and Immunogenicity of Sequential Rotavirus Vaccine Schedules. Pediatrics 2016:137;1-10

55) **Clements DA,** Vaccination to Prevent Cancer. NCMJ 77:337-340 2016

56) Ezzeldin Saleh….**Dennis Clements**. An open-label pilot study to compare the safety and immunogenicity of an alternate dosing schedule (2-5 weeks, 2 and 4 months) for pentavalent rotavirus vaccine (RV5) to the standard recommended schedule (2,4 and 6 months. Pediatr Infect Dis, <https://doi.org/10.1093/jpids/pix005>, 03 March 2017.

57) Burrell H, Song KW**, Clements DA**. A Qualitative Survey of Trash Disposal in Rural Honduras. Journal of Public Health in Developing Countries. 2016:2;3. 291-6.

1. Recent Poster Presentations/lectures:

Exploring Medicine in Foreign Cultures, Interdis 422c. Clements et al, Global Health Symposium Duke University February 11, 2014

Picking up the Pieces after Natural Disasters – Clements Knowledge, Policy, Environments and Publics in Globalizing Latin America – Feb 10-11, 2006, Chapel Hill, NC

Staying in Touch From Afar. Linda Lee and Dennis Clements. CIT Instructional Technology Showcase 2006, Duke University April 27, 2006.

**2. Book Chapters:**

*Haemophilus influenzae* type b. In: Infectious Diseases of Children,. 9th Edition, eds. Krugman S, Katz SL, Gershon AA, Wilfert CM. Mosby‑Year Book, St. Louis (**1992**)

Relationship of viral isolation to otitis media in a research day care center 1978‑1988. Clements DA, Henderson FW, Neebe EC. Recent Advances in Otitis Media ‑ Proceedings of the 5th International Symposium. Lim, Bluestone,Klein, Nelson, Ogra (eds). Decker Periodicals (**1993**)

*Haemophilus influenzae* type b. In: Infectious Diseases of Children. 10th Edition, eds. Katz SL, Gershon AA, Wilfert CM. Mosby‑Year Book, St. Louis (**1997**)

Pharyngitis, Laryngitis and Epiglottitis. In: Infectious Diseases, eds.Armstrong D and Cohen J. Mosby, London, England (**1999**).

*Haemophilus influenzae* type b. In: Infectious Diseases of Children. 11th Edition, eds. Katz SL, Gershon AA, Wilfert CM. Mosby‑Year Book, St. Louis (**2003**)

Pharyngitis, Laryngitis and Epiglottitis. In: Infectious Diseases, eds.Armstrong D and Cohen J. Mosby, London, England (**2003**).

Infections in Day Care Environments. In:Current Pediatric Therapy, eds Burg, Ingelfinger, Polin, Gershon. Elsevier Science, Philadelphia **(2005)**

The Health Professions Educator: A Practical Guide for New and Established Faculty. Gerald Kayingo and Virginia McCoy Hass eds, International Clinical Rotations **(2017)**

**3. Grants:**

Doris DukeInternational Clinical Research Fellowships$1,361,078 – August 2012-2019 PI

Title VI – Latin American and Caribbean Studies – Duke –UNC Consortium 2014-2018

$2,560,000 PI

Predicting Caries Risk in Underserved Children, from Toddlers to the School-Age

Years, in Primary Healthcare Settings 2017-2022 $9,033,719 (10% effort)

**ORGANIZATIONS AND PARTICIPATION:**

**Current Professional Societies:**

American Academy of Pediatrics

Australasian Society of Infectious Disease

European Society of Paediatric Infectious Diseases

Infectious Disease Society of America (Fellow)

Durham-Orange County Medical Society –President 2006

North Carolina Pediatric Society

Pediatric Infectious Disease Society of America

Society of Epidemiologic Research

**Committees and Positions**

Duke Regional Hospital

Pharmacy Committee 1979‑1982

Pediatric Training Director 1979‑1986

Medical Education Committee 1983‑1986

Duke University Medical Center

Clinical Research Unit Advisory Committee 1993‑1996

Managed Care Operations Committee - Physicians 1994‑1997

Primary Care Committee 1994‑1998

Joint Ventures Managed Care Operating Committee 1995-1998

Executive Committee of the Medical Staff 1998-2005

Medical Student mentor (MPH, 1st-4th year) 1990-pres.

Duke Children’s Hospital

Planning and Marketing Committee 1993‑1996

Pediatric Resident Applicant Interview Committee 1990‑pres.

Duke Children’s Hospital Advisory Committee 1994‑1998

Duke Children’s Clinical Operations Committee 1994‑1998

Vice Chair for Primary Care Services 1997-2007.

Vice Chair for Pediatric Outreach/government Relations 2003-2007.

Chief Medical Officer Duke Children’s Hospital 2005-2007

Duke University and Health System

DUAP Advisory Board 1999-2005

Medical Director, PDC Primary Care 1999-2005. Duke University Health System Board of Directors 2000-2003

PrimaHealth IPA Board member and Treasurer 1997-2010

Duke Center for Latin American & Caribbean Studies 2002-pres.

Duke University International Affairs Committee 2003-2010

Duke Primary Care Advisory Committee 2006-2012.

Co-Director LAS Consortium – Duke and UNC 2006-pres

Board Member, Duke Human Rights Committee 2009-2016

Board Member& Chair, Duke Office Civic Engagement 2010-pres

Duke Medicine Global Support Corporation 2010-2016

Duke University Board of Trustees Audit Committee 2010-2019.

Duke Integrated Primary Care 2012-2015

Academic Council (1997-2001. 2003-5, 2009-15, 2016-8) 1997-2018

Executive Committee Academic Council 2012-2014

Global Priorities Committee, Duke University 2012-2016

SEAD Director of Student Recruitment 2014-2016

North Carolina State

Immunization Advisory Committee 1996-2013.

Physician Advisory Committee to Medicaid -secretary 2002-2015

Durham Community Health Network – Medical Director 2001-2013

Dental Advisory Committee to Medicaid 2004-2013

North Carolina Committee for Dental Health , DHHS 2004-pres

NC State Health Coordinating Council 2005-2014.

(Representing NC academic health centers)

Other

Carolina for Kibera Advisory Board 2003-2012

Board of SEEDS, NC –past president 2007-2016.

Advisory Board, East Durham Children’s Initiative 2010-2013.

Family Health Ministries Board - vice chair 2013-pres.

Director of Undergraduate Studies – Global Health 2018-pres.

Honors and Awards

UNC Graduate Student Honors Award 1989

Frank E, Engel Society 2003

Alpha Omega Alpha (Honor Medical Society) 2005

Master Clinician-Teacher Award – Duke Medical School 2006

Denny, Katz, Simon, Tingelstad Academic Service Award 2006

Dennis A. Clements Outstanding Service Award in

Latin American & Caribbean Studies 2012

Professor of the Year, DGHI undergraduates 2014

Excellence in Professionalism Duke Medicine Award 2015

Duke University Meritorious Service Award 2016

**To be completed by Chairman:**

**Teaching responsibilities including continuing education:**

*Dr. Clements precepts medical and PA students, and pediatric and psychiatry residents in the outpatient clinic each week. He gives lectures on infectious disease, immunology and epidemiology to medical students, PA students, residents and fellows, including grand rounds at Duke and UNC. Dr. Clements frequently supervises one 3rd year medical students each year while they obtain their MPH from UNC. He is the course director for a medical school course entitled “Exploring Medicine in Foreign Cultures” which has 20 hours of didactic education and a ten day practicum in Honduras. Typically 40 students take his course both from Duke and UNC and 15 students accompany him on the trip to Honduras. He is also director of the medical Spanish curriculum for the medical students. Dr. Clements teaches a course on Vaccines at UNC SPH.*

**Areas of research interests:**

*1) Health disparities and health care for the disadvantaged*

*2) Infectious Disease Epidemiology ‑ otitis media, varicella, influenza*

*3) Cost‑effectiveness of vaccination strategies*

*4) Vaccine Effectiveness ‑ varicella vaccine use in day care*

*5) Preventive health care strategies ‑ including vaccination, screening tests*

*6) Health Care Delivery systems – contracting, business plans, access to care, management*

**Clinical Research: External Grant Support**

**While Dr. Clements was in charge of the Duke Vaccine Unit from 1990-1996 grant support totaled approximately $1.75 million dollars.**

**Year Trial/Grant Description**

*1990 - Interchangeability of PedvaxHIB, HibTITER and ProHIBIT*

*1990 - Oka/Merck Varicella vaccine in adolescents and adults*

*1991 - PRP-OMP vaccine in HIV patients - Merck*

*1991 - Liquid PedvaxHIB vaccine in children - Merck*

*1991/4 - Ability of influenza A vaccine to prevent otitis media in day care - Pasteur Mérieux*

*1992 - Oka/Merck Varicella vaccine in adults - two dose regimen.*

*1992 - Oka/Merck Varicella vaccine in children 1 vs. 2 doses*

*1992 - MMRV vaccine in children - Merck*

*1992 - 5 year follow-up revaccination of children with Oka/Merck Varicella vaccine*

*1992 - Hepatitis A vaccine in adults - Merck*

*1992 - MMRV vaccine +/- Hib vaccine at 12-15 months of age - Merck*

*1993 - RWJ "All Kids Count" immunization tracking project Durham County, NC*

*1993 - HIV screening of newborns in Durham and Wake County, NC*

*1993 - Seroprevalence of measles antibody in HIV infected children post MMR*

*1994 - Hepatitis A vaccine in adults - consistency lots Merck*

*1994 - Hepatitis A vaccine +/- immunoglobulin in adults - Merck*

*1994 - Varicella efficacy trial - day care children -Merck*

*1994 - Tetracel vs. HbOC + DTaP in 12-18 month old children - Lederle*

*1994/5 - Rotavirus vaccine in infants - Wyeth*

*1995 - AIK-C Measles in 6 mo. olds - Connaught*

*1995 - BCG vaccine in hospital employee - Connaught*

*1995 - Hepatitis A/B vaccine in adolescents & adults*

*1995 - Acellular pertussis vaccine in infants – Amvax*

*1996 –Pediatric Allergy Learning Study – Schering Plough*

*1996 – Dr. Emmanuel Walter assumes directorship of Vaccine Unit*

**External Grant Support**

*Doris Duke International Clinical Fellowship Director - $861,078 (2012-2017)*

**Clinical activity ‑ type of practice and estimate of time commitment:**

*Dr. Clements sees patients in the outpatient clinic at Roxboro Street, Durham, NC. He was chief of Duke Children’s Primary Care from 1991-2017 He has a large panel of patients (two half days per week) while also pursuing education and administrative tasks for the department and DGHI.*

**Participation in academic and administrative activities of the University and Medical Center:**

*Member Audit Committee Duke University Board of Trustees*

*Member of Third Year Committee Duke University School of Medicine*

*Member of the Pediatric Residency Interview Committee*

*Medical School Course Director of “Exploring Medicine in Foreign Cultures”*

*Career Advisor to Pediatric Residents (2001 – present)*

*Member APT Committee Member 1)Community and Family Medicine and 2)School of Medicine*

*Emeritus Director, Pediatric Phantoms of Phun (20 year anniversary 2010)*

**Signature of Chairman:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_**

**Optional ‑ PERSONAL INFORMATION**

Home address: 119 Wisteria Drive, Chapel Hill, NC 27514, USA

Home phone: 919‑493‑5304

Marital Status: Married

Name of Spouse: Martha Ann Keels Degrees: DDS, Ph.D.

Children: Gillian, age 40

Morgan, age 39

Meredith, age 36

Activities: Chamber Music Participant, Flight Instructor, Birdwatcher; Scuba Diver, Photographer