

**DUKE UNIVERSITY MEDICAL CENTER
CURRICULUM VITAE**

Date Updated: January 2017

Name: John Wilson Schmitt, MD

Primary Academic Appointment: School of Medicine

Primary Academic Department: Obstetrics and Gynecology

Secondary appointment: Duke Global Health Institute

Present academic rank and title: Professor of Obstetrics and Gynecology and Global Health, Duke University Medical Center, Durham, North Carolina, 2012 - Present

Medical Licensure:

North Carolina License: # 28437	Date of License: 1984	Renewal: 05/08/2017
Virginia License: # 0101232836	Date of License: 2002	Renewal: 05/30/2018
Tanzania License # 5227	Date of License: 2013	Renewal: 04/29/2017

Specialty certification: American Board of Obstetrics and Gynecology **Date of Certification:** 12/09/1989
Recertified: 01/01/2017

Citizenship: United States of America

Visa status: N/A

Education:

High School:

Robert E. Lee Senior High School, Houston, Texas; May 1972 – Diploma

Colleges:

Sam Houston State University; Huntsville, Texas, 1972-1973; Major – Environmental Science
The University of Texas at Austin; Austin, Texas; 1974-1976; Major – Biology; BA – May 1976

Graduate/Professional Schools:

The University of Texas Graduate School of Biomedical Sciences; San Antonio, Texas; 1977-1981; Major – Biochemistry

The University of Texas Medical School at San Antonio; San Antonio, Texas; 1979 – 1983; M.D. – May 1983

Scholarly Societies:

Alpha Omega Alpha Honorary Society, 1982 - present

F. Bayard Carter Society, 1987 – present (President 2009)

Professional Training and Academic Career:

Institution	Position/Title	Dates
Duke University Medical Center; Department of OB-GYN	Resident	1983 – 1987
Mid- Carolina Obstetrics and Gynecology PC	Partner	1987 – 2002
University of Virginia Health System; Department of OB-GYN	Associate Professor	2002 – 2011

Publications:

Selected Refereed Journals:

- Pan, Y. T., J. W. Schmitt, B. A. Sanford, and A. D. Elbein: 1979. Adherence of Bacteria to Mammalian Cells: Inhibition by Tunicamycin and Streptovirudin; *J. Bacteriology* 1939: 507 – 513
- Schmitt, J. W., and A. D. Elbein: 1979. Inhibition of Protein Synthesis Also Inhibits Synthesis of Lipid-linked Oligosaccharides; *J. Biol. Chem.* 254: 12291-122994
- Livengood, C. H., III, Schmitt, J. W., Addison, W. A., Wrenn, J. W., and Macgruder-Habib, K: 1988. Direct Fluorescent Antibody Testing for Endocervical Chlamydia Trachomatis: Factors Affecting Accuracy; *Obstetrics and Gynecology* 71: 803 – 809
- Lam CT, Krieger MS, Gallagher JE, Asma B, Muasher LC, Schmitt JW, et al: 2015. Design of a Novel Low Cost Point of Care Tampon (POCkeT) Colposcope for Use in Resource Limited Settings. *PLoS ONE* 10(9): e0135869. doi:10.1371/journal.pone.0135869
- Brown H, Okeyo S, Mabeya H, Wilkinson J, Schmitt J: 2016. The Use of the Bakri Tamponade Balloon in the Management of Postpartum Hemorrhage Refractory to Conservative Measures: A Multi-Site Longitudinal Study; *Int J Gynecol Obstet*: <http://dx.doi.org/10.1016/j.ijgo.2016.06.021>
- Mchome B, Mlay P, Schmitt J: 2017. A Case of Superior Vena Cava Syndrome in Pregnancy within a Developing Country in Sub-Saharan Africa: Submitted
- Mueller J, Schmitt J, *et al*: 2017. International Image Concordance Study to Compare a Point of Care Tampon (POCkeT) Colposcope to a Binocular Colposcope: Accepted to the JLGTD
- Lam C, Schmitt J, et al: 2017. Integrated Strategy for Improving Durability, Contrast, and Portability of the POCkeT Colposcope for Cervical Cancer Screening: Submitted to PLoS ONE

Non-refereed Publications:

- Schmitt, J. W: 2001. *Beyond Recognition-Coping with Poisonous Plants*; Paddle & Portage Vol.1: no. 4
- Schmitt, J. W: 2002. *That's the Breaks-Fractures and Dislocations in the Wilderness*; Paddle & Portage Vol. 2: no. 1
- Schmitt, J. W: 2002. *Things That Really Bug Me-Insects, Repellants, and Arachnids*; Paddle & Portage Vol. 2: no. 3
- Schmitt, J. W: 2002. *Baby Its Cold Outside*; Paddle & Portage Journal Vol. 2: no.4

Selected Abstracts:

Schmitt, J. W, Fortier KJ, and Creasman WT; *Fine Needle Aspiration of Pelvic Masses in Patients with Known Gynecologic Malignancy*; District IV ACOG Annual Meeting, Baltimore, Maryland 1985

Alakija AG, Smith JS, Vidal AC, Maguire RL, Schmitt J, Valea F, Murphy SK and Hoyo C. HPV types and the natural history of low grade cervical intraepithelial neoplasia (CIN1) in North Carolina. IPV Meeting, Lisbon, Portugal 2015

Schmitt J, et al Comparison of a portable “POCKeT” colposcope with state of the art cervical screening in the U.S., Peru, and Tanzania. 2017 International Federation for Cervical Pathology & Colposcopy (IFCPC) World Congress

Past and Present Research Support:

Ramanujam (PI) 4/1/2015-3/31/2020 0.6 calendar
NIH \$564,812

Culturally Appropriate Screening and Diagnosis of Cervical Cancer in East Africa

Role: Investigator

The goal of this Academic-Industry Partnership is for PI, Dr. Nimmi Ramanujam to work in partnership with Zenalux Biomedical to bring a two-pronged cervical cancer culturally relevant screening program that will facilitate scaling of population wide screening and sustainability of see and treat programs in East Africa.

Ramanujam (PI) 7/1/2015-6/31/2018 0.6 calendar
NIH \$176,600

A Viable Solution for a See and Treat Paradigm for Cervical Pre-cancer in Africa

Role: Investigator

Our long-term goal is to leverage community-clinics as a way to bring early detection and treatment of cervical pre-cancer to as many patients as possible in LMICs particularly in places where hospitals are not easily accessible.

Mazaguni & Schmitt 8/1/2015-7/31/2017
Hologic Inc. \$46,055 equipment grant

Diagnosis and Conservative Surgical Treatment of Abnormal Uterine Bleeding at a Tertiary Referral Hospital in Northern Tanzania

Role: Co-Investigator

The purpose of this study is to examine the feasibility and sustainability of endometrial ablation as a safer alternative to hysterectomy in a developing nation in East Africa

Ramanujam (PI) 1/1/2015-12/31/2016
Duke: DCI \$40,000

Integration of mHealth with Scalable Screening Tool for Cervical Cancer in LMICs

Role: Investigator

The goal of this project is to assess image concordance between the Transvaginal Digital Colposcope and standard colposcope and integration and validation of the mHealth platform.

Ramanujam (PI) IR21CA162747 7/1/2011-6/30/2015 0.6 Calendar

Smart Optical Sensor for Detection of Cervical Cancer in the Developing World

Role: Investigator

The long-term objective of this proposal is to leverage the underlying absorption and scattering properties obtained via quantitative reflectance spectroscopy to improve the specificity with which VIA/VIAM can screen for cervical cancer precursors in resource-limited settings.

Ramanujam (PI) 12/1/2013-5/31/2015
Duke: DGHI/Pratt Seed Award \$10,000 total costs
Towards a viable solution for a see and treat paradigm of cervical pre-cancer in East Africa using an automatec colpospectroscope
Role: Investigator
The goal of this project is to leverage the underlying absorption, scattering and autofluorescent properties obtained via quantitative spectroscopy to improve the specificity with which VIA/VIAM can be screen for cervical cancer in resource-limited settings.

Schmitt (PI) 1/1/2007-12/31/2007 Completed
Academy of Distinguished Educators (UVA) \$50,000
The Use of Patient Simulation Models in Teaching Important Procedures to Learners in Various Technical Aspects of Obstetrics and Gynecology
Role: Primary Investigator
The Goal of this study was to establish an Obstetrical Simulation Lab for both clinical teaching as well as emergency drills in Labor and Delivery.

Schmitt (PI) 7/1/2003-6/30/2004 Completed
University Of Virginia Educational Mini-Grant \$16,000
Access to Quality Prenatal and Postnatal Educational Services at the University of Virginia
Role: Primary Investigator
The goal of this study was to help create and implement a weekly patient email service that was personalized and related to individual's specific week of pregnancy.

Consultant Appointments:

Science Editor for The Parent Review, Boston Mass, 2004-2012
Reviewer for womenshealth.gov (Department of Health and Human Services)
Invited discussant for national patient education project on basic prenatal care – monkeese.com

Professional Awards and Special Recognitions:

The Gulf Oil Company Scholarship in the Environmental Sciences; 1973
The CIBA Award for Community Service in Medicine; 1981
Alpha Omega Alpha Honorary Society; 1982
Best Doctors in America List; 2010 - 2017

Departmental Administration:

Director of Division of General Obstetrics and Gynecology, UVA 2002 – 2011
Vice Chair for Clinical Affairs, UVA 2006 – 2011
Director of the Division of Benign Gynecology, Duke 2012-2016
Vice-Chair of Outreach, Duke 2012-present
Liaison to Duke-KCMC Women's Health Collaboration in Moshi, Tanzania, Duke 2012-present
Secretary, F. Bayard Carter Society, Duke 2012-present

Medical Center Administration:

Out-patient Medical Director, University Physicians for Women, UVA (2002-2011)
Out-patient Medical Director, Resident Clinics, Primary Care Center, UVA (2010-2011)
Obstetrical Services Director, UVA (2003-2006)
Physician Champion for EPIC-Maestro Care, Duke (2012-2014)
Medical Director of Gynecology Clinic, Duke (2012-present)
Medical Director of Cervical Dysplasia Clinic, Duke (2012-present)
Medical Director of Gynecology at the Durham County Health Department (2013-present)

Committee Appointments:

Blood Utilization, Rex Hospital, Raleigh, NC (1988-1990)
Pharmaceutical and Therapeutics, Rex Hospital, Raleigh, NC (1990-1994)
Quality Assurance, Rex Hospital, Raleigh, NC (1995-2001)
Operating Room Committee, University of Virginia (2007-2011)
Bylaws Committee, University of Virginia (2008-2011)
Physician Workgroup Committee, University of Virginia (2008-2009)
Search Committee for Chair of the Department of Radiology, UVA (2009)
EPIC-EMR “Stork team” Design group, University of Virginia (2009-2011)
Ambulatory Oversight Committee, University of Virginia (2010-2011)
Charles B. Hammond Research Committee, Duke University (2014-present)
Department of Obstetrics and Gynecology Promotion and Tenure Committee (2015-present)

Other:

Board of Directors, Piedmont Liability Trust (2007-2011) Charlottesville, Virginia
Delegate to the Congressional Leadership Conference for ACOG (2010-2013) Washington, DC
Reviewer, American Journal of Obstetrics and Gynecology (2011-2013) New York, New York
Oral Board Examiner, American Board of Obstetrics and Gynecology (2007-present) Dallas, Texas
External Examiner in Obstetrics and Gynecology, KCMC (2013-present) Moshi, Tanzania
Member, ACOG – Steering Committee Safety in Outpatient Practice Excellence (2014-present) Washington, DC

Teaching responsibilities including continuing education:

Invited Presentations:

Presidential Round Table Discussion, President George W. Bush: *Medical Liability Reform*, July 25, 2002

Presentation to the Southwest Virginia Graduate Medical Education Consortium Head for the Hills Conference 2003: *The Medical Liability Insurance Crisis in Rural Virginia and it's Affect on Obstetrical Care*, October 3, 2003

Presentations at a Family Practice Course, University of South Carolina:

1. *HRT-Will I Ever Know What to Say?* 2. *The Evaluation and Treatment of Painful Intercourse*, and 3. *STDs, Ancient Maladies, Current Concepts*, July 1, 2004

Presentation to the Thornton Symposium, University of Virginia: *The Medical Liability Insurance Crisis in America*, April 23, 2005

Grand Rounds - Department of Anesthesiology, University of Virginia: *The Medical Liability Insurance Crisis in America*, August 10, 2005

Presentation to Health Information Services, University of Virginia: *Cancer Screening in Women*, May 10, 2006

Presentation to the F. Bayard Carter Society, Duke University Medical Center: *Commercial Cord Blood Banking Insurance Policy or Scam? What do we say when asked?* October 21, 2006

Grand Rounds - Department of Family Medicine, University of Virginia: *Vaginal Birth after Cesarean Section 2007*, January 19, 2007

Grand Rounds - Department of Surgery, University of Virginia: *Trauma Management in the Pregnant Patient*, September 3, 2008

Grand Rounds - Department of Ob-Gyn, University of Virginia: *Obstetrical Management in the Pregnant Trauma Patient*, January 14, 2009

Grand Rounds - Kilimanjaro Christian Medical Center, Tanzania: *Surgical Site Infections*, June 9, 2010

Grand Rounds - Department of Ob-Gyn, University of Virginia: *Prevention of Surgical Site Infections at UVA*, September 1, 2010

Grand Rounds – Department of Emergency Medicine, University of Virginia: *Management of Common Gynecologic Emergencies*, October 26, 2011

Invited Discussant – South Atlantic Association of Obstetrics and Gynecology: *Predictors of Long-acting Reversible Contraceptive use Among a High Risk Population*, January 18, 2012

Grand Rounds - Department of Ob-Gyn, Wake Medical Center, Raleigh, NC: *Obstetrical Management in the Pregnant Trauma Patient*, July 19, 2012

Grand Rounds – Department of Ob-Gyn, King Fahad Medical City, Riyadh, Saudi Arabia: *The Evolution and History of Cervical Cancer Screening 1843-2013*, January 6, 2013

Presentation to the Resident Educational Conference – Department of Ob-Gyn, King Fahad Medical City, Riyadh, Saudi Arabia: *Surgical Site Infections*, January 7, 2013

Invited Lecturer – Duke Ambulatory Surgical Center, Durham, NC: *Global Health in Women's Health at a Referral Hospital in Tanzania*, October 7, 2015

Invited Lecturer – Duke Global Health Institute, Durham, NC: *Haba na Haba Hujaza Kibaba-Little by Little Fills the Measure*, October 14, 2015

Grand Rounds – Department of Obstetrics and Gynecology, Duke University, Durham, NC: *An Update on the Duke Global Women's Health Mission at KCMC in Moshi, Tanzania*, November 25, 2015

Colposcopy-Path-Cytology Conference - Departments of Obstetrics and Gynecology and Pathology, Duke University, Durham, NC: *A Comprehensive Multidiscipline Review of Interesting Cases Involving Premalignant Diseases of the Uterine Cervix* - Presented 4 times a year

Resident and Student Lecture Topics:

Normal Obstetrics an Intro to L&D – Medical Student lecture series

Basic Infertility Evaluation and Treatments – Medical Student lecture series

Cord Blood Gases in the Evaluation of the Neonate – Resident lecture series (Duke)

Gynecologic Emergencies – Resident lecture series (Duke)

An Intro to Medical Liability Insurance – Medical Student lecture series

The Evaluation and Treatment of Painful Intercourse – Medical Student lecture series

Vaginal Birth after Cesarean Section – Resident lecture series (Duke)

Thyroid Disease in Pregnancy – Resident & Medical Student lecture series (KCMC)

Abnormal Uterine Bleeding – Resident and Medical Student lecture series (KCMC)

Cervical Cancer Screening 2013 – Resident lecture series (KCMC)

Pregnancy of Unknown Location - Resident lecture series (KCMC)

HELLP Syndrome - Resident lecture series (KCMC)

Diagnosis and Management of Acute Vaginal Bleeding - Resident lecture series (Duke-KCMC)

Sexual Myths, Nothing but the Truth – High School lecture series
2015 Update on Sexually Transmitted Infections – Medical Student interactive session (Duke)
Update on Global Health Activities in Women’s Health at Duke – Resident lecture series (Duke)
Simulated Teaching in Colposcopy and LEEP - Resident training given yearly (Duke-KCMC)

Formal Mentoring:

Michele Tang MS-3 2017 Duke University, Medical Student Preceptor; Primary Care in Women’s Health at the Duke Cervical Cancer Prevention and Screening Clinic

Christopher Lam 2017 Ph.D. Candidate, Duke University Biomedical Engineering - Committee Member

Mercy Asiedu 2017 Ph.D. Candidate, Duke University Biomedical Engineering - Committee Member

Robert Morhard 2017 Ph.D. Candidate, Duke University Biomedical Engineering - Committee Member

Lauren Sayers MS-4 2016 Duke University, Medical Student Preceptor; Primary Care in Women’s Health at Durham County Health Department

Maria Domingo, NP 2016 Duke University, Primary Consulting Physician; Inpatient GYN NP

Amy Alspaugh, CNM 2016 Durham County Health Department, Primary Consulting Physician; DCHD Family Planning Clinic

Allison Eddy, NP 2016 Duke University School of Nursing, Primary Consulting Physician; DCHD Family Planning Clinic in charge of 1-2 NP students per semester

Ola Aloba, NP 2016 Durham County Health Department, Primary Consulting Physician; DCHD Family Planning Clinic

David Goodman, MD 2016 Duke University, Global Health Fellow Mentor; Project – *Introducing Fetal Scalp Stimulation as an Adjunct to Intermittent Auscultation in Low-Resource Settings*

Adityavarman Mehta, MS 2016 Duke University, Masters of Global Health Student Mentor; Project – *Assessing the Value of Integrating Uterine Balloon Tamponade in the Treatment of Postpartum Hemorrhage in South African and Ghanaian Health System*

Sara Abdullah, MS 2016 Duke University, Masters of Global Health Student Mentor; Project - *Experiences of Internalized and Enacted Stigma among Women with Obstetric Fistula in Tanzania*

Jana Halfon, MD 2016 Duke University, Global Health Fellow Mentor and Committee Member; Project – *Postpartum Sepsis and Maternal Morbidity and Mortality in Rwanda*

Elizabeth Asma, MS 2015 Duke University, Masters of Global Health Committee Member; Thesis Title - *Evaluation of Transvaginal Colposcopy as a Screening Device for Cervical Cancer among International Physicians*

Maria Meussling, MD 2004 University of Virginia, Medical Student Advisor; Residency in Obstetrics and Gynecology at Medical College of Virginia, currently in Private Practice Cleveland, Ohio

Kelly Beeken, MD 2007 University of Virginia, Medical Student Advisor; Residency Madigan Army Medical Center, currently in practice at Fort Lewis, Washington

Current NC Collaborative Advanced Practice Provider Agreements:

Amy Alspaugh, CNM	Durham County Department of Health
Maria Domingo, NP	Duke Health System
Ola Aloba, NP	Durham County Department of Health
Alison Edie, NP	Duke University School of Nursing

Clinical Interests:

General Obstetrics and Gynecology, abnormal uterine bleeding, premalignant diseases of the cervix, office infertility, and global women's health

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Office Phone: 919-684-1165

E-mail: john.schmitt@duke.edu