OMB No. 0925-0001/0002 (Rev. 08/12 Approved Through 8/31/2015)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: R. Stan Williams

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Professor

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

| INSTITUTION AND LOCATION | DEGREE(if applicable) | Completion DateMM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
| University of North Carolina, Chapel Hill, NC | B.A. | 1975 | Zoology |
| University of North Carolina, Chapel Hill, NC | M.D. | 1979 | Medicine |
| Medical University of SC, Charleston, SC | Residency | 1979-1983 | OBGYN |
| University of Louisville, Louisville, KY | Fellowship | 1986-1988 | Reproductive Endocrinology |
|  |  |  |  |

**A. Personal Statement**

Dr. Williams has been an active collaborator in many NIH and industry sponsored grants over the past 24 years, particularly in the areas of menopause, fibroids, endometriosis, adhesions and infertility. He serves as the Director of the Center for Research in Perinatal Outcomes at the University of Florida, which includes investigators from multiple Departments and Colleges at the University. He has served on the PhD committees of several students including The Human In Vitro Fertilization PhD Program. He has been the Practice Director and Medical Director of the University of Florida IVF program since 1988. He has also served in numerous positions of leadership in the Society of Assisted Reproductive Technology, most recently as President. He is fully supportive of this project both as Chairman of the ObGyn Department and the Director of the IVF program.

**B. Positions and Honors**

Instructor, Department of OB/GYN, University of Louisville, KY, 1986-1988

Assistant Professor, Department of OB/GYN, University of Florida, 1986-1988

Associate Professor, Department of OB/GYN, University of Florida, 1988-1998

Harry Prystowsky Professor of Reproductive Medicine, Department of OB/GYN, University of Florida, 1998 – present

Professor and Chairman, Department of Ob/Gyn, University of Florida, 2008-present

**Honors**

Thegos Society Award (Resident Lecture)

Health Professions Scholarship Program, USAF

1990-1993 Outstanding Student Teaching in OB/GYN

1993 J. Lee Dockery Teaching Cup Award, Department OB/GYN

1995 - 1996 Outstanding Student Teaching in OB/GYN

1998 – Present, The Best Doctors in America

2000 Eminent Scientist of the Year, 1999, International Research Promotion Council

Castle Connolly's Best Doctors: Florida 2000

2002 – Present, America’s Top Obstetricians and Gynecologists,

 Consumers’ Research Council of America

2004 – Association of Professors of Gynecology and Obstetrics Excellence in Teaching Award

2000 – 2016 Outstanding Student Teaching in OB/GYN

Other Experience and Professional Memberships

**Professional Societies, Awards and Advisory Committees:**

American Society for Reproductive Medicine, 1984-present

 (Previously the American Fertility Society)

 Society Development Committee, 1992 - present

 Co-Chairman, 1995-1998

 Chairman, 1998 – 2000

 Membership Committee, 2000-2003

 Chairman, 2000-2003

 Legislation Monitor, 1993 - present

 American Society of Reproductive Medicine Abstract Committee, 1998 Annual meeting

 Moderator, Scientific Session, ASRM Annual meeting, 2001

 Moderator, Scientific Session, ASRM Annual Meeting, 2004

 Moderator, Scientific Session, ASRM Annual Meeting, 2005

 Moderator, Scientific Session, ASRM Annual Meeting, 2006

 Moderator, Scientific Session, ASRM Annual Meeting, 2007

 Moderator, Scientific Session, ASRM Annual Meeting, 2009

 Program Committee, ASRM Annual Meeting, 2010

 2011 ASRM Service Award

 2012 Postgraduate Course Program Committee

Society of Assisted Reproductive Technology, 1988-present

 Membership Committee, 2001-2004

 Abstract Committee for 2004 Annual ASRM Meeting, 2004

 Treasurer (elected) 2005-2008

 Executive Council, 2004-2014

 Abstract Committee for Annual ASRM Meeting, 2006

 Abstract Committee for Annual ASRM Meeting, 2007

 Abstract Committee for Annual ASRM Meeting, 2008

 Abstract Committee for Annual ASRM Meeting, 2009

 Vice President (elected) 2008 – 2009

 President Elect (elected) 2009 – 2010

 President (elected) 2010 - 2011

Society of Reproductive Endocrinology and Infertility, 1991-present

 Practice Committee 1991

 Society of Reproductive Endocrinology and Infertility Abstract Committee, 1999 Annual

 Meeting

Society of Reproductive Surgeons, 1991-present

 Nominated, Secretary-Treasurer, 1999

Fellow, American College of Obstetricians and Gynecologists, 1986-present

 Government Relations Federal Key Contact 1991-present

 American College of Obstetrics and Gynecology Abstract Committee, 46th Annual Clinical

 Meeting, 1998

 Florida Section Executive Committee, 2008-2012

 District XII Executive Committee, 2013

 District XII Scientific Program Planning Committee 2013-present

University Health Consortium Ambulatory Care Council Steering committee, 2006 - 2009

American Association of Gynecologic Laparoscopists, 1986-present

The International Society for Gynecologic Endoscopy, 1988-present

Alachua County Medical Society, 1988-2002

Florida Medical Association, 1988-present

American Medical Association, 1988-1997

Florida Society of Reproductive Endocrinologists, 1988-present

 Founding President, 1988-1990

 President, 1995-1996

Association of Professors of Gynecology and Obstetrics, 1990-present

Florida Obstetrical and Gynecologic Society, 1990-present

Society for Gynecologic Investigation,

 Associate member, 1993 - 1998

 Member, 1998 - present

North American Society for Pediatric and Adolescent Gynecology, 1993 – 1999

Fellow, South Atlantic Association of Obstetricians and Gynecologists, 2001 – present

 Board of Directors, 2004-2007

Council on Hormone Education Distinguished Professor, 2002 – present

# C. Contribution to Science

 My research has concentrated on examining the role of growth factors in the pathogenesis of leiomyomas, endometrium related pathologies and post surgical adhesions. In collaboration with fellow researchers in our lab, we have described the effects of several growth factors in these diseases and how their expression and actions are affected by the hormonal milieu, which provides a basis to design future therapies.

1. Post surgical adhesions:
	1. Chegini N, Gold LI, Williams RS, Masterson BJ. Localization of Transforming Growth Factor Beta Isoforms TGF-ß1, TGF-ß2, and TGF-ß3 in Surgically Induced Pelvic Adhesions in the Rat. Obstet Gynecol. 83:449-454, 1994.
	2. Chegini N, Simms J, Williams RS, Masterson BJ. Identification of Epidermal Growth Factor, Transforming Growth Factor Alpha, and Epidermal Growth Factor Receptor in Surgically Induced Pelvic Adhesions in the Rat and Intraperitoneal Adhesions in Human. Am J Obstetrics Gynecology. 171:321-328, 1994.
	3. Hui Rong, Xin-Min Tang, Yong Zhao, Juneja SC, Fay MF, Williams RS, Chegini N. Postsurgical Intraperitoneal Exposure to Glove Powders Modulates the Inflammatory and Immune Related Cytokine Production. Wound Rep and Reg 5:89-96, 1997.
	4. Chegini N, Kotseos K, Chunfeng M, Patel A, Williams RS, Diamond M, Holmdahl L, Skinner K. Differential Expression of Integrin v and ß3 in Serosal Tissue of Human Intraperitoneal Organs and Adhesion. Fertility and Sterility. 75:791-796, 2001.
2. Endometrium:
	1. Dou Q, Williams RS, Chegini N. The Expression of Integrin Messenger RNA in Human Endometrium: A Quantitative RT-PCR study. Fertility & Sterility. 71:347-353, 1999.
	2. Chegini N, Ma C, Roberts M, Williams RS, Ripps BA. Differential Expression of Interleukins

(IL)-13 and (IL)-15 Throughout the Menstrual Cycle in Endometrium of Normal Fertile Women with Recurrent Spontaneous Abortion. Journal of Reproductive Immunology. 56:93-110, 2002.

* 1. Rhoton-Vlasak A, Chegini N, Hardt N, Williams RS. Histologic Characteristics and Altered Expression of Interleukins (IL) IL-13 and IL-15 in Endometria of Levonorgestrel Users with Different Bleeding Patterns. Fertility and Sterility 83:3, 659-665, 2005.
	2. Li R, Luo X, Pan Q, Zineh I, Archer D, Williams RS, Chegini N. Doxycycline Alters the Expression of Inflammatory and Immune Related Cytokines and Chemokines in Human Endometrial Cells: Implication in Irregular Uterine Bleeding . Human Reproduction 21(10), 2555-63, 2006.
1. Leiomyoma:
	1. Chegini N, Ma C, Tang XM, Williams RS. Effects of GnRH Analogues, ‘add-back’ Steroid Therapy, Antiestrogen and Antiprogestins on Leiomyoma and Myometrial Smooth Muscle Cell Growth and Transforming Growth Factor-ß Expression. Molecular Human Reproduction. 8: 1071-1078, 2002.
	2. Luo X, Ding L, Xu J, Williams RS, Chegini N. Leiomyoma and Myometrial Gene Expression Profiles and Their Response to Gonadotropin Releasing Hormone Analogue (GnRHa) Therapy and Modulation During GnRHa Treatment In Vitro. Endocrinology 146(3):1074-1096, 2005.
	3. Levens E, Luo X, Ding L, Williams RS, Chegini N. Fibromodulin is Expressed in Leiomyoma and Myometrium and Regulated by Gonadotropin Releasing Hormone Analogue (GnRHa) Therapy and TGFß Through Smad and MAPK-Mediated Signaling. Molecular Human Reproduction. 11(7), 489-494, 2005.
	4. Luo X, Levens E, Williams RS, Chegini N. The Expression of Abl Interactor 2 (Abi-2) in Leiomyoma and Myometrium and Regulation by GnRH Analogue and TGF-B. Human Reproduction 21(6),1380-6, 2006.

## Complete List of Published Work in MyBibliography:

## <http://www.ncbi.nlm.nih.gov/myncbi/collections/bibliography/48627172/>

# D. Research Support

**Research Support**

**NIH** - Corpus Luteal Contribution to Maternal Pregnancy Physiology and Outcomes in ART

Co-I (Conrad, PI)

Total Award: $7.7 Million

Funding Dates: 2011-2016

**NIH** – Imprinting Defects Leading to Angelman and Prader Willi Syndromes

Co-I (Resnick, PI)

Total Award: $1,000,000

Funding Dates:9/2013 – 9/2017

**AbbVie** - A Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Elagolixin Subjects with Moderate to Severe Endometriosis-Associated Pain

Co-I (Christman, PI)

Total Award: $ 304,683

Funding Dates: 10/13-10/15

**Bayer** A randomized, parallel-group, double-blind, placebo-controlled, multi-center phase II study to assess the efficacy and safety of different doses of BAY 1002670 in subjects with uterine fibroids over 3 months.”

Co-I (Christman, PI)

Total Award $176,585

Funding dates -7/1/2014-6/30/2015

**TherapeuticsMD** - A Phase 3, Double-Blind, Placebo-Controlled, Randomized, Multi-Center Trial to Evaluate the Safety and Efficacy of HR TX-004HR in Postmenopausal Women with Moderate to Severe Symptoms of Vulvar and Vaginal Atrophy

PI

Total Award = $42,560

Funding Dates: 11/1/2014-9/30/2015