

CURRICULUM VITAE

PERSONAL INFORMATION

NAME: Donna D. Johnson, M. D.

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Medical University of South Carolina
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EDUCATION

1983 B.S. Furman University, Greenville, South Carolina
Major: Biology
Honors: Beta Chi Biology Honor Society

1987 M.D. Medical University of South Carolina, Charleston, South Carolina
Honors: AOA

POSITIONS HELD

1987-1988 Intern
Department of Reproductive Medicine
University of California, San Diego, CA
Full-time appointment

1988-1991 Resident
Department of Reproductive Medicine
University of California, San Diego, CA
Full-time appointment

1990-1991 Chief Resident
Department of Reproductive Medicine
University of California, San Diego, CA
Full-time appointment

- 1991-1992 Staff Physician in Obstetrics and Gynecology
Assistant Director of Obstetrics and Gynecology
Inland East Medical Group, San Diego, CA
Full-time appointment
- 1992-1994 Maternal-Fetal Medicine Fellow and Clinical Instructor
Department of Reproductive Medicine
Division of Perinatal Medicine
University of California, San Diego, CA
Full-time appointment
- 1994-1996 American Gynecological and Obstetrical Society
Foundation Fellow and Assistant Adjunct Professor
Department of Reproductive Medicine
Division of Perinatal Medicine
University of California, San Diego, CA
- 1996-2000 Assistant Professor
Department of Obstetrics and Gynecology
Division of Maternal-Fetal Medicine
Medical University of South Carolina, Charleston, SC
- 2000-present Associate Professor
Department of Obstetrics and Gynecology
Division of Maternal-Fetal Medicine
Medical University of South Carolina, Charleston, SC
- 2000-2006 Residency Director
Department of Obstetrics and Gynecology
Medical University of South Carolina, Charleston, SC
- 2003-present Associate Professor with tenure
Department of Obstetrics and Gynecology
Division of Maternal-Fetal Medicine
Medical University of South Carolina, Charleston, SC
- 2005-present Division Director
Department of Obstetrics and Gynecology
Division of Maternal-Fetal Medicine
Medical University of South Carolina, Charleston, SC
- 2005-present Associate Member
College of Graduate Studies
Medical University of South Carolina, Charleston, SC

FUNDING

- 1994-1996 American Gynecological and Obstetrical Society
Foundation Fellowship Award: Atrial Natriuretic Factor Gene
Expression in the Fetus \$120,000
Principal Investigator
- 1994-1995 Academic Senate Award
University of California, San Diego:
Effect of Hypoxia on Vascular Endothelial Growth Factor Gene
Expression in the Ovine Fetal Heart \$6,000
Principal Investigator
- 1995-1996 Pacific Coast Obstetrical and Gynecological Society
Ted Adams Scholarship Award: Meconium Staining of the Ovine
Placenta \$9,000
Principal Investigator
- 1998-2000 March of Dimes
Basil O'Connor Starter Scholar Research Award
Vascular Endothelial Growth Factor and Placental Growth Factor in
the Human Placenta. \$100,000
Principal Investigator
- 2001-2003 National Institute of Health
National Institute of Child Health and Human Development
Pregnancy and Perinatology Branch (HR 9983) Angiogenic &
Permeability Growth Factors in Preeclampsia \$150,000
Principal Investigator
- 2002-2007 National Institute of Health
National Institute of Child Health and Human Development
Pregnancy and Perinatology Branch Evaluation of Vitamin D
Requirements During Pregnancy 2,220,000
Co-Investigator (20%)
- 2005-2006 Glenveigh Pharmaceuticals
Treatment of Severe Preeclampsia \$40,000
Principal Investigator
- 2005-2006 Scios Pharmaceuticals
Phase 0 trial of Angiogenic Growth Factors in Pregnancy \$6,000
Principal Investigator
- 2005-2006 University Research Committee Award

	A Screening Test for Preeclampsia Principal Investigator	\$18,000
2007-2008	Ortho-Clinical Diagnostics Screening test for preeclampsia Principal Investigator	\$150,000
2007-2009	Medical University of South Carolina K-12 Scholars Award Alterations in the Plasma Proteome of Early Onset Severe Preeclampsia Mentor (5%)	\$367,161 2
2007-2008	Assay R & D Preeclampsia Sample Collection Protocol Principal Investigator	\$10,625

TEACHING AWARDS

1998	Council on Resident Education in Obstetrics and Gynecology Teaching Award (Yearly award chosen by Ob/Gyn residents)
1998	Invited by the 1998 School of Medicine Class to participate in the Oath Ceremony (10 faculty members chosen by the graduating class)
1998	Recited Hippocratic Oath with the 1998 School of Medicine Class (Chosen by the graduating class)
1998	Department of Obstetrics and Gynecology Medical Student Teaching Award (Yearly award given to the faculty member with the best third student evaluations from the clerkship)
1998	Nominated for the Golden Apple Award for the College of Medicine (Award given by the fourth year class to the best clinical teacher in the College of Medicine)
1999	Invited by the 1999 School of Medicine Class to participate in the Oath Ceremony (10 faculty members chosen by the graduating class)
1999	Health Sciences Foundation Teaching Excellence Award as a Developing Teacher for the Medical University of South Carolina (Award given by the Vice President for Academic Affairs and Provost to a teacher with less than five years experience that has demonstrated excellence in teaching. Nominations are taken from the seven colleges and selected by a university wide committee)

- 1999 Faculty Excellence Award for Clinical Science Faculty for the College of Medicine (One of two College of Medicine faculty members recognized by the third year class for teaching excellence on the wards)
- 1999 Department of Obstetrics and Gynecology Medical Student Teaching Award (Yearly award given to the faculty member with the best third student evaluations from the clerkship)
- 1999 Association of Professors of Gynecology and Obstetrics Excellence in Teaching Award (Selected by the Ob/Gyn faculty)
- 1999 Golden Apple Award for the College of Medicine (Award given by the fourth year class to the best clinical teacher in the College of Medicine)
- 2000 Department of Obstetrics and Gynecology Medical Student Teaching Award (Yearly award given to the faculty member with the best third student evaluations from the clerkship)
- 2000 First runner up for Faculty Excellence Award for Clinical Science Faculty for the College of Medicine (One of two College of Medicine faculty members recognized by the fourth year class for teaching excellence on the wards)
- 2000 Invited by the 2000 School of Medicine Class to participate in the Oath Ceremony (10 faculty member chosen by the graduating class)
- 2001 Department of Obstetrics and Gynecology Medical Student Teaching Award (Yearly award given to the faculty member with the best third student evaluations from the clerkship)
- 2001 Invited by the 2001 School of Medicine Class to give the address at the Oath Ceremony (Chosen by the graduating class)
- 2002 Invited by the 2002 School of Medicine Class to participate in the Oath Ceremony (10 faculty member chosen by the graduating class)
- 2003 Invited by the 2003 School of Medicine Class to participate in the Oath Ceremony (10 faculty member chosen by the graduating class)
- 2003 Faculty Excellence Award for Clinical Science Faculty for the College of Medicine (College of Medicine faculty members

- recognized by the fourth year class for teaching excellence on the wards)
- 2003 Department of Obstetrics and Gynecology Medical Student Teaching Award (Yearly award given to the faculty member with the best third student evaluations from the clerkship)
- 2004 Nominated for Health Sciences Foundation Teaching Excellence Award as an Educator- Mentor for the Medical University of South Carolina (Award given by the Vice President for Academic Affairs and Provost to a teacher who has demonstrated excellence in teaching and mentoring fellows, residents, and students. Nominations are taken from the seven colleges and selected by a university wide committee)
- 2006 Nominated for Faculty Excellence Award for Clinical Science Faculty for the College of Medicine (College of Medicine faculty members recognized by the fourth year class for teaching excellence on the wards)
- 2007 Association of Professors of Gynecology and Obstetrics Excellence in Teaching Award (Selected by the Ob/Gyn faculty)

HONORS AND AWARDS

- 1995, 1998 NIH Young Investigators Award for Perinatal Research Society: Travel award given to individuals that show potential for being elected into the society
- 2003-2005 Best Doctor in America
- 2003 J. Bay Jacobs Award: Travel award given by American Gynecological and Obstetrical Society to individuals that show potential for being elected into the society
- 2003 Edgar O. Horger III Award for Outstanding Achievement in Maternal Child Health
- 2004 Best Research Project in the Pre-eclampsia Hypertension Poster session at the Society of Maternal Fetal Medicine
- 2005-2007 Best Doctor in America
- 2007-2009 Best Doctor in America

LICENSE

Drug Enforcement Agency License	Expiration 12/09
South Carolina Medical License	Expiration 09/09
Department of Health and Environmental Control License	Expiration 10/08
California Medical License	Expiration 10/08

BOARD CERTIFICATION

Board Certified Obstetrics and Gynecology, 2007
Certificate No. 91-8221-050434

Board Certified Maternal-Fetal Medicine, 2007
Certificate No. 9182221M

HOSPITAL PRIVILEGES

Medical University of South Carolina, Charleston, South Carolina

PROFESSIONAL SOCIETIES

Alpha Omega Alpha
Perinatal Research Society
Society of Gynecology Investigation
APGO/CREOG-Member
American College of Obstetrics and Gynecology - Fellow
Society of Maternal-Fetal Medicine - Member
South Carolina Obstetrical and Gynecological Society
Charleston Obstetrical and Gynecological Society

COMMITTEES

University

1999 -2002	Apple Tree Society
1999-2006	Graduate Medical Education Committee
2000, 2001	Health Sciences Foundation Teaching Excellence Awards
2000	Medical Staff Selection Committee
2000	Pediatric Chairman Search Committee
2000	Standards of Conduct for College of Medicine
2000-2003	Internal Residency Review Committee
2000-2004	Medical School Admissions Committee
2001	Dean's Committee for Strategic Planning for Medical Education

2001	Dean's Committee to Improve Diversity in the College of Medicine
2001-current	College of Medicine Progress Committee
2003	Dean's Committee to Improve College of Medicine College of Medicine Clinical Advising
2003	Chair of LCGME Clinical Sciences committee
2003	Member of the LCGME site visit

Departmental

2000	Finance Committee
2000-2006	Academic Affairs Committee
2000	Long Range Planning Committee
2005-current	Executive Committee

State

2006-current	Departmental of Health and Environmental Control Obstetrical Task Force
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National

1998-current	Ad hoc Reviewer AJOG
1998-current	Ad hoc Reviewer Ob/Gyn
2003	Judge for Poster Session SMFM
2004	Judge for Oral Presentations SMFM
2005-current	Abstract reviewer for ACOG
2006-current	Ad hoc Reviewer IJOG
2006- current	Clinical advisor for Glenveigh Pharmaceuticals
2006-2008	Obstetrical Council Member for Perinatal Research Society
2007	Abstract reviewer for SGI
2007	Ad hoc Reviewer AMS
2007	Clinical advisor for Ortho-Clinical Diagnostics
2007	American Board of Obstetrics and Gynecology Examiner

BIBLIOGRAPHY

Abstracts

1. Johnson DD, Tetzke T, and Cheung CY. Gene expression of atrial natriuretic factor in the ovine fetal heart during development. Society of Gynecologic Investigation, 1993.
2. Johnson DD, Shaw S, Dougherty G, Moore T, and Bejar R. The contribution of delivery route and labor to the development of large intraventricular hemorrhages in preterm infants. Society of Perinatal Obstetricians, 1993.

3. Johnson DD, Singh M, and Cheung CY. Effect of hypoxia on ANF gene expression in the ovine fetal heart. Society of Gynecologic Investigation, 1993.
4. Johnson DD, Singh M, and Cheung CY. Effect of hypoxia on VEGF gene expression in the ovine fetal heart. Society of Gynecologic Investigation, 1995.
5. Reyes V, Johnson DD, and Cheung CY. Gene expression of insulin-like growth factor-I and -II in ovine fetal heart during development. Society of Maternal-Fetal Medicine, 1995.
6. Budorick NE, Johnson DD, Riccabona M, Jones MC, Nelson TR, and Pretorius DH. Three dimensional ultrasound of the fetal face. Radiology Society of Northern America, 1995.
7. Johnson DD, Riccabona M, Budorick NE, Moore TR, Pretorius DH, and Nelson TR. Three-dimensional ultrasound of the fetal spine. Society of Perinatal Obstetricians, 1995.
8. Budorick NE, Pretorius DH, Tartar MK, Johnson DD, Nelson TR, Lou KV. Threedimensional ultrasound of fetal hands: normal and abnormal. Radiology Society of Northern America, 1996.
9. Dillon A, Newman R, Hogg B, Johnson D, VanDorsten P. Impact of physician/patient discretion on vaginal birth after cesarean. Society of Perinatal Obstetricians, 1997.
10. Johnson DD, Pretorius DH, Budorick NE, Jones MM, Lou KV, Nelson TR. Three-dimensional ultrasound of the fetal lip and palate. Radiology Society of Northern America, 1997.
11. Richards RD, Pretorius DH, Budorick NE, Johnson DD, Sklansky MS, Cantrell CJ, Nelson TR. Three-dimensional ultrasound in the evaluation of fetal anomalies. Radiology Society of Northern America, 1997.
12. Chang E, Hulseley T, Johnson DD. Ethnic differences in perinatal morbidity and mortality in term pregnancies. American College of Obstetrics and Gynecology, District IV, 1997.
13. Johnson DD, Pretorius DH, Lou KV, Budorick NE, Nelson TR. Importance of acquiring a correctly positioned fetal facial profile on sonography. Society of Maternal-Fetal Medicine, 1998.
14. Pretorius DH, Garjian KV, Budorick NE, Cantrell CJ, Johnson DD, Nelson, TR. 3-dimensional ultrasound of fetal skeletal dysplasia. Eighth World Congress on Ultrasound in Ob/Gyn, 1998.

15. Warren DP, Johnson DD. Umbilical cord vessels: a comparison of color Doppler versus grey scale ultrasonography. Society of Maternal-Fetal Medicine, 1999.
16. Johnson DD, Zhu J. Nitric oxide suppresses hypoxic induction of vascular endothelial growth factor in JEG-3 cells. Society of Gynecologic Investigation, 2000.
17. Evans J, Johnson DD. Relationship of vascular endothelial growth factor and placental growth factor is altered in pre-eclampsia. Society of Maternal-Fetal Medicine, 2001.
18. Archer JS, Johnson DD, Zhu J. Gene expression of placental growth factor and vascular endothelial growth factor in the first trimester. Society of Gynecologic Investigation, 2001.
19. Johnson DD, Soper DE, Medio F, Mauldin JG. Impact of faculty peer review education program on student faculty evaluation. APGO-CREOG 2002.
20. Archer JS, Johnson DD, Zhu J. Placental Growth Factor and Vascular Endothelial Growth Factor Throughout Pregnancy. Society of Gynecologic Investigation, 2002.
21. Robinson CJ, Johnson DD, Chang EY, Armstrong DM. Levels of soluble fms-like tyrosine kinase 1 receptor and placental growth factor correlate with the severity of preeclampsia Society of Maternal-Fetal Medicine, 2004
22. Robinson CJ, Johnson DD, Chang EY, Armstrong DM. Serum levels of leptin correlate with the severity of preeclampsia. Society of Gynecologic Investigation, 2004.
23. Armstrong DM, Chang EY, Robinson CJ, Sullivan S, Johnson D, Vermillion S, and Van Dorsten JP. A comparison of vertical and Pfannenstiel incisions in patients undergoing cesarean delivery with the syndrome of hemolysis, elevated liver enzymes, and low platelets (HELLP). Society of Maternal Fetal Medicine, 2005.
24. Robinson CJ, Johnson DD. PlGF and s-Flt1 in HELLP syndrome. Society of Maternal-Fetal Medicine, 2005
25. Robinson CJ, Johnson DD. Placental PlGF mRNA is decreased in preeclampsia. Society of Gynecologic Investigation, 2005.
26. Robinson CJ, Johnson DD. Leptin in the second trimester of normal and preeclamptic patients. Society of Maternal-Fetal Medicine, 2006

27. Robinson CJ, Johnson DD. Use of an artificial neural network to predict preeclampsia. Society of Gynecologic Investigation, 2006.
28. Robinson CJ, Johnson DD. Soluble endoglin in the second trimester of normal and preeclampsia patients. International Study of Hypertension in Pregnancy, 2006
29. Robinson CJ, Johnson DD. Hepatocyte growth factors in the second trimester of normal and preeclampsia patients. Society of Maternal-Fetal Medicine, 2007.
30. Buckalew V, Graves S, Lewis D, Saade G, Johnson D, Lam G, Belfort M, Sheik A, Humphrey R, Danoff T, Johnston A, Adair D. A parallel double blinded placebo controlled randomized comparison of an antidigoxin antibody (Digibind) versus placebo for the treatment of antepartum patients with severe preeclampsia (Clinical Trials.gov #NCT00158743) American Society of Nephrology, 2007
31. Alanis MC, Robinson CJ, Hulseley TC, Ebling M, Johnson DD. Early Onset Preeclampsia: Induction of labor versus elective cesarean section and neonatal outcomes. Society of Maternal Fetal Medicine, 2008.
32. Robinson CJ, Johnson DD, Swift, SS Almedia J. Prediction of pelvic organ prolapse using artificial neural network. South Atlantic Association of Obstetricians and Gynecologists. 2008.
33. Johnson DD, Wagner CL, Hulseley TC, Hollis BW. Vitamin D deficiency is common in pregnancy. Society of Maternal Fetal Medicine, 2008.
34. Wagner CL, Johnson DD, Hulseley TC, Hamilton SA, Davis DJ, Pridgen C, Neil B, Hollis BW. Vitamin D deficiency during pregnancy: At epidemic proportions in South Carolina. Society of Pediatric Research, 2008.
35. Alanis MC, Robinson CJ, Johnson DD. Levels of soluble fms-like tyrosine kinase 1 receptor and placental growth factor in patients with diabetes compared to controls. Society of Gynecologic Investigation, 2008

Publications

1. Johnson DD, Tetzke TA, and Cheung CY. Gene expression of atrial natriuretic factor in ovine fetal heart during development. J Soc Gynecol Invest 1994; 1:14.
2. Riccabona M, Johnson DD, Pretorius DH, and Nelson TR. Three-dimensional ultrasound: Display modalities in the fetal spine and thorax. European J Radiology 1996; 22:141-145.

3. Cheung CY, Johnson DD, Reyes V. Ontogeny of insulin-like growth factor I and II gene expression in ovine fetal heart. *J Soc Gynecol Invest* 1996; 3:309-315.
4. Johnson DD, Singh M, and Cheung CY. Effect of three hours of hypoxia on atrial natriuretic factor gene expression in the ovine fetal heart. *Am J Obstet Gynecol* 1997; 176:42-8.
5. Lurvey LD, Nager CW, and Johnson DD. Informed Consent: A Review for the Primary Care Physician. *Primary Care Update for Obstet Gynecol* 1996; 3:192-5.
6. Johnson DD, Pretorius DH, Riccabona M, Budorick NE, and Nelson TR. Three-dimensional ultrasound of the fetal spine. *Obstet Gynecol* 1997; 89:434-8.
7. Baergen RN, Johnson DD, Moore T, Benirschke K. Metastatic melanoma to the placenta: Case report and review of the literature. *Arch Pathol Lab Med* 1997; 121:508-11.
8. Johnson DD, Nager CW, Budorick NE. False positive diagnosis of spinal bifida in a fetus with triploidy. *Obstet Gynecol* 1997; 89:809-11.
9. Riccabona M, Pretorius DH, Nelson TR, Johnson D, Budorick N. Three-dimensional ultrasound: Display modalities in obstetrics. *J Clin Ultrasound* 1997; 25:157-67.
10. Johnson DD, Budorick NE, Pretorius DH. Three-dimensional ultrasound of conjoined twins. *Obstet Gynecol* 1997; 90:701-2.
11. Budorick NE, Pretorius DH, Johnson DD, Tartar MK, Nelson TR. 3-dimensional ultrasound of the fetal distal lower extremity: Normal and abnormal. *J Ultrasound Med* 1998;17: 649-60.
12. Budorick NE, Pretorius DH, Johnson DD, Tartar MK, Nelson TR. 3-dimensional ultrasound of the fetal hands: normal and abnormal. *Ultrasound Obstet Gynecol* 1998; 12:227-34.
13. Richards RD, Pretorius DH, Budorick NE, Johnson DD, Sklansky MS, Cantrell CJ, Lai S, Nelson TR. Three-dimensional ultrasound in evaluation of fetal anomalies. *Ultrasound Obstet Gynecol* 2000; 16: 321-328.
14. Johnson DD, Pretorius DH, Budorick NE, Jones MM, Lou KV, Nelson TR. Three-dimensional ultrasound of the fetal lip and palate. *Radiology* 2000; 217:236-39.
15. Garjian KV, Pretorius DH, Budorick NE, Cantrell CJ, Johnson DD, Nelson TR. 3-dimensional ultrasound of fetal skeletal dysplasia. *Radiology* 2000; 214:717-23.

16. Hulseley TC, McComb TF, Ebeling M, Geddes K, Kuenneth CA, Johnson D, Alexander GR, Pittard WB. A new method to examine very low birth weight fetal and hebdomada; mortality in regionalized system of prenatal care. *Maternal & Child Health J* 1998; 2:211-221.
17. Robinson CJ, Johnson DD, Chang EY, Armstrong DM. Levels of placenta growth factor and soluble fms-like tyrosine kinase 1 receptor correlate with the severity of preeclampsia. *Am J Obstet Gynecol* 2006; 195: 255-59
18. Unal ER, Robinson CR, Johnson DD, Chang EY, Second Trimester Angiogenic Factors as Biomarkers for Future Onset Preeclampsia *Am J Obstet Gynecol*, 2007; 197: 211. e1-4
19. Robinson CJ, Johnson DD. Soluable endoglin as a second trimester marker for preeclampsia. *Am J Obstet Gynecol*, 2007; 197: 174. e1-5
20. Robinson CJ, Johnson DD, Swift, SS Almedia J. Prediction of pelvic organ prolapse using artificial neural network. *Am J Obstet Gynecol*, 2008 Accepted.
21. Alanis MC, Robinson CJ, Hulseley TC, Ebling M, Johnson DD. Early Onset Preeclampsia: Induction of labor versus elective cesarean section and neonatal outcomes. *Am J Obstet Gynecol*, 2008 Submitted.

Chapters

1. Johnson DD, Resnik R. Planning for Pregnancy. In: Primary Health Care for Women: Guidelines for Care in the Office Setting, 1994.
2. Johnson DD, Pretorius DH. Three Dimensional Ultrasound. In: Prenatal Diagnosis: Genetics, Reproductive Risks, Testing, and Management, 1997.
3. Johnson DD, VanDorsten JP. Second Trimester Ultrasonography. In: Practical Strategies in Obstetrics and Gynecology, 1998.
4. Johnson DD, Resnik R. Planning for Pregnancy. In: Primary Health Care for Women: Guidelines for Care in the Office Setting, Second edition, 1998.
5. Johnson DD, VanDorsten JP. Immunological Disorders Complicating Pregnancy. In: Manual of Obstetrics, 1999.
6. Johnson DD, Van Dorsten JP. Third Trimester Bleeding. In: Conn's Current Therapy, 1999
7. Johnson DD. Cesarean Delivery. In: Operative Obstetrics, 2002.

8. Johnson DD, VanDorsten JP. Immunological Disorders Complicating Pregnancy. In: Manual of Obstetrics, 2006.
9. Johnson DD, Pretorius DH. Three-dimensional ultrasound in prenatal diagnosis. In: Prenatal Diagnosis, 2006

Educational Publications

1. Vaginal Bleeding in the Second Half of Pregnancy. Precis, 1999.
2. Vaginal Bleeding in the Second Half of Pregnancy. Precis, 2004.