

Jenifer Donnellan McCarthy

Education & Training

Fellowship Reproductive Endocrinology, , University of Michigan, Ann Arbor, MI. Anticipated graduation June 2010.
Residency Obstetrics and Gynecology, June 2004 – 2007, University of Michigan, Ann Arbor, MI.
M.D. with Distinction in Research, June 2004, University of Michigan Medical School, Ann Arbor, MI.
Master of Science, May 1999. San Diego State University, San Diego, CA. Molecular Biology.
Bachelor of Arts, June 1995. Dartmouth College, Hanover, NH. Major in Asian Studies; Minor in Biology.

Certification and Licensure

Diplomate, American Board of Obstetrics and Gynecology, 2009-present.
State of Michigan License, 2004-present.
State of Florida License, 2010-present.

Research Experience

AOA Summer Research: Department of Obstetrics and Gynecology, University of Michigan Medical School. Summer 2000. Thymidine kinase mediated gene therapy for leiomyomas.
Graduate Student: Department of Biology, San Diego State University. Fall 1997-Spring 1999. Characterization of p38-mediated activation of ATF6 in cardiac myocytes.
Research Assistant: Department of Urology, University of Michigan Medical Center. Fall 1995-Fall 1997. Confirmation of prostate cancer susceptibility locus on chromosome 1q.
Undergraduate Research Assistant: Department of Biochemistry, Dartmouth Medical School. Fall 1994-Spring 1995. Cerebral tissue oxygenation study.

Research Support

National Institutes of Health Contraception and Infertility Loan Repayment Program. *Identification and Isolation of Uterine Smooth Muscle Stem Cells as a Means of Characterizing Myogenic Pathways in Myometrium.* Principal Investigator: Jenifer McCarthy M.D., Faculty Mentor: Gregory M. Christman M.D. \$35,000 per year of qualified educational debt.
Fibroid Foundation New Investigator Award. *Uterine Smooth Muscle Stem Cells: The Foundation of the Fibroid?* Principal Investigator: Jenifer McCarthy M.D., Faculty Mentor: Gregory M. Christman M.D. \$15,000
Milton Goldrath Resident Research Support Award, *Identification and isolation of uterine smooth muscle stem cells as a means of characterizing myogenic pathways in myometrium.* Principal Investigator: Jenifer McCarthy M.D., Faculty Mentor: Gregory M. Christman M.D. \$2000
AOA Summer Research Award 2000, University of Michigan Medical School, *Thymidine kinase mediated gene therapy for leiomyomas.* Principal Investigator: Jenifer McCarthy M.D, Faculty Mentor: Gregory M. Christman M.D.

Honors and Awards

Flexible Education Experience in Obstetrics & Gynecology, residency portion of training completed in 3 years.
Goldrath Research Award, *Identification and Isolation of Uterine Smooth Muscle Stem Cells as a Means of Characterizing Myogenic Pathways in Myometrium*, 2005.
1st place poster presentation, APGO/CREOG, *Changes in Medical Student Attitudes Regarding the Need for Informed Consent During Clinical Clerkships*, March 2006.

M.D. with Distinction in Research, University of Michigan Medical School, June 2004
AOA Summer Research Project, *Thymidine kinase mediated gene therapy for leiomyomas*. University of Michigan Medical School.

Membership in Professional Societies

American Society for Reproductive Medicine, 2007-present
American Congress of Obstetricians and Gynecologists, 2004-present
American Medical Association, 1999-present

Peer Review Service

International Journal of Gynecology & Obstetrics, 2007-present
The Medical Letter, 2009-present

Teaching

M3 Obstetrics and Gynecology Clerkship. 2007-present. Bimonthly lecture to 3rd year medical students.
Resident CREOG review. 2008-present. Annual review of relevant reproductive endocrinology topics for resident preparation for CREOG exam.

Peer Reviewed Publications

Sowers MR, McConnell D, Gast K, Zheng H, Nan B, McCarthy JD, Randolph JF. *Anti-Mullerian Hormone and Inhibin B Variability during Normal Menstrual Cycles.* Fertility and Sterility 2009; Dec 5. [Epub ahead of print]
McCarthy JD, Erickson KM, Smith YR, Quint EH. *Premenarchal Ovarian Torsion and Elevated CA-125.* J Pediatr Adolesc Gynecol. 2010 Feb;23(1):e47-e50.
McLean K, Dillman J, McCarthy JD, Strouse P, Quint E, Advincula A. *Delayed Iliac Artery Thrombus Following Blunt Trauma During Operative Laparoscopy.* J Minim Invasive Gynecol 2009;16(1):102-5.
Hammoud M, Stansfield B, Katz N, Dugoff L, McCarthy JD, White C. *The Effect of the Obstetrics and Gynecology Clerkship on Students' Interest in a Career in Obstetrics and Gynecology.* Am J Obstet Gynecol 2006;195(5):1422-6.
Cooney KA, McCarthy JD, Lange E, Huang L, Miesfeldt S, Montie JE, Oesterling JE, Sandler HM and Lange K. *Prostate Cancer Susceptibility Locus on Chromosome 1q: a Confirmatory Study.* J Natl Cancer Inst 1997;89:955-959.

Book Chapters & Non-Peer Reviewed Publications

Quint E, McCarthy JD, Smith YR. *Vaginal Surgery for Congenital Anomalies.* Clinical Obstet Gynecol 2010: 53(1):115-124.
McCarthy JD, Fisseha S. *Fertility Preservation Options for Female Cancer Patients.* Postgrad Obstet Gynecol Sept 2009
Christman GC and McCarthy JD. *Gene Therapy and Uterine Leiomyomas.* Clin Obstet Gynecol 2001;44(2):425-435.

Abstracts

McCarthy JD, Xu X, Swain J, Fisseha S. *The Prevalence of Cytomegalovirus Seropositivity is Lower in Women with a Female Partner.* Pacific Coast Reproductive Society 58th Annual Scientific Meeting, April 2010.
Will MA, Smith YS, McCarthy JD, Quint EH. *Topical Therapy for Severe Refractory Crohn's Disease of the Vulva in a Prepubertal Female.* North American Society for Pediatric and Adolescent Gynecology, April 2010.
Sowers MR, McConnell D, Gast K, McCarthy JD, Randolph JF. *Anti-Mullerian Hormone and Inhibin B Variability during Normal Menstrual Cycles.* Endocrine Society, June 2009.
McCarthy JD, Smith YR, Quint EH, Park JM. *An Unusual Case of Incontinence After Hymenectomy.* North American Society for Pediatric and Adolescent Gynecology, April 2009.
McCarthy JD, Tang H, Burgos S, Christman GM. *Versican And Apoptotic Factors*

In Human Leiomyomata. Society for Gynecologic Investigation. March 2009.

Christman GM, Tang H, Stribley JM, Domino SE, McCarthy JD. *Role of Mechanical Homeostasis in Human Uterine Leiomyoma Pathophysiology*. Keystone Symposia Meeting “Mechanotransduction in Physiology and Disease”, January 2009.

Oakes MB, McCarthy JD, Rillamas-Sun E, Fisseha S. *Endometrial thickness as a predictor of pregnancy in letrozole/FSH "hybrid" ovulation induction cycles*. Oral Presentation. American Society for Reproductive Medicine, November 2008.

McCarthy JD, McLean K, Dillman J, Strouse P, Quint E, Advincula A. *Delayed Iliac Artery Thrombus Following Blunt Trauma During Operative Laparoscopy*. Anita Payne Lecture and Reproductive Sciences Program Poster Day, September 2008.

Christman GC, Tang H, Stribley JM, Domino SE, McCarthy JD. *Focal Adhesion Kinase Receptor Expression in Human Leiomyomas: Impact on P38 MAPK, P44/42 ERK, Mechanical Homeostasis and Tumor Behavior*. Society for the Study of Reproduction, May 2008.

McCarthy JD; McCrudden K; Smith YR, Quint EH. *Premenarchal Ovarian Mass with Elevated CA125*. North American Society for Pediatric and Adolescent Gynecology, April 2008.

McCarthy JD, Katz NT, Dugoff L, Hammoud M. *Changes in Medical Student Attitudes Regarding the Need for Informed Consent During Clinical Clerkships*. APGO/CREOG, March 2006.

Ohl DA, McCarthy JD, Schuster TG, Keller LM, Menge AC, Smith GD. *The Effect of Varicocele Repair on Optimized Sperm Penetration Assay*. American Society of Reproductive Medicine, October 2001.