

CURRICULUM VITAE

Jennifer D. Cook, Ph.D.

Personal Data

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Birth: Bentonville, AR

Education

2006 Ph.D., Environmental and Molecular Carcinogenesis
The University of Texas, M.D. Anderson Cancer Center, Houston, TX
1999 B.S., Biology
The University of Arkansas at Little Rock, Little Rock, AR

Research and Professional Experience

2006-present Postdoctoral Research Associate, Myles A. Brown, M.D., Department of
Medical Oncology, Dana-Farber Cancer Institute, Boston, MA
2000-2006 Dissertation Research, Cheryl Lyn Walker, Ph.D., Department of
Carcinogenesis, MD Anderson Cancer Center, Smithville, TX
1998-2000 Research Assistant, John M. Bush, Department of Biology, The University
of Arkansas at Little Rock, Little Rock, AR

Honors and Awards

2005 1st Place Award, Poster Presentation, Gulf Coast Society of Toxicology
Annual Meeting
2004 Keystone Symposia Scholarship, National Institutes of Health-Department
of Health and Human Service and The National Institute of Child Health
and Human Development.
2003 Gordon Conference Scholarship, Hormonal Carcinogenesis Gordon
Conference.
2003 1st Place, Graduate Student Retreat Presentation Competition, The
University of Texas, M.D. Anderson Cancer Center, Department of
Carcinogenesis
2003 2nd Place, Center for Research on Environmental Disease Poster
Competition for Trainees, The University of Texas, M.D. Anderson
Cancer Center and The National Institutes of Environmental Health
Sciences
2002-2005 American Legion Auxiliary Fellowship in Cancer Research
2002-2005 HEB Predoctoral Fellowship in Cancer Research
1999 Grant Recipient, Arkansas Audubon Society Trust
1999 Outstanding Undergraduate Research Award, University of Arkansas at
Little Rock

1999 Cum Laude graduate, The University of Arkansas at Little Rock

Academic Appointments

2004-2005 Graduate Student Representative, Student Affairs Committee, The University of Texas Graduate School of Biomedical Sciences, Houston, TX

2004 Graduate Student Representative, Advisory Panel for Summer Undergraduate Research Program, The University of Texas, MD Anderson Cancer Center, Science Park Research Division, Smithville, TX

2002-2004 Student Representative, Graduate Student Retreat Committee, Department of Carcinogenesis, The University of Texas, MD Anderson Cancer Center, Science Park Research Division, Smithville, TX

2001-2002 President, Graduate Student Association-Science Park Research Division, University of Texas MD Anderson Cancer Center, Smithville, TX

2001-2002 Student Representative, Academic Admissions Committee, Program in Environmental and Molecular Carcinogenesis, The University of Texas, MD Anderson Cancer Center, Science Park Research Division, Smithville, TX

Affiliations

2002-present MD Anderson Alumni Association

2001-present Associate Member, American Association of Cancer Research

2003-present Member, Women in Cancer Research, American Association of Cancer Research

Formal Teaching

2002 The University of Texas Houston Health Science Center-Science Park Research Division: Hormonal Carcinogenesis

1999-2000 Arizona School of English, Los Mochis, Mexico: English as a Second Language

1999 University of Portland, Portland, OR: English as a Second Language

Advisory Teaching

Jennifer Ruth German, Science Park Summer Intern, 2002

Emily Jackson, Science Park Job Shadowing Program, 2002

Laura Hill, Science Park Job Shadowing Program, 2002

Journal Reviewer

American Journal of Pathology

Cellular and Molecular Endocrinology

Environmental Health Perspectives

Molecular Human Reproduction

Molecular Carcinogenesis

Peer-reviewed Publications

Cook, J.D., Davis, B., Cai, S.L., Conti, C.J., Barrett, J.C., Walker, C.L. Interaction Between Genetic Susceptibility and Early Life Environmental Exposure Determines Tumor Suppressor Gene Penetrance Proceeding of the National Academy of Sciences 102:8644-8649.

Hodges, L.C., **Cook, J.D.**, Lobenhofer, E.K., Li, L., Bennett, L., Bushel, P.R., Afshari, C.A.,

Walker, C.L. Tamoxifen Functions as a Molecular Agonist Inducing Cell Cycle-Associated Genes in Breast Cancer Cells. *Molecular Cancer Research* 1: 300-311, 2003.
Cai, S., Everitt, J.I., Kugo, H., **Cook, J.D.**, Klymenova, E., Walker, C.L. Polycystic Kidney Disease as a Result of Loss of the *Tsc-2* Tumor Suppressor Gene During Development. *American Journal of Pathology* 162: 457-468.

Publications (submitted)

Cook, J.D., Davis, B.J., Goewey J.A., Berry, T.D., Walker, C.L. Identification of a Period of Susceptibility for Developmental Programming of the Female Reproductive Tract (revised and re-submitted, *Journal for the Society of Gynecological Investigation*).

Invited Review Articles

Cook, J.D. and Walker, C.L. The Eker Rat: Establishing a Genetic Paradigm Linking Renal Cell Carcinoma and Uterine Leiomyoma. *Current Molecular Medicine* 4 (8):813-24.

Cook, J.D. and Walker, C.L. Treatment Strategies for Uterine Leiomyoma: The Role of Hormonal Modulation. *Seminars in Reproductive Medicine* 22 (2): 105-111.

Conference Invitations

- 2004 Invited Speaker, 2nd Annual Graduate Student Retreat, The University of Texas, M.D. Anderson Cancer Center, Science Park Research Division, Department of Carcinogenesis (Cedar Creek, TX)
- 2003 Invited Speaker, 1st Annual Graduate Student Retreat, The University of Texas, M.D. Anderson Cancer Center, Science Park Research Division, Department of Carcinogenesis (Cedar Creek, TX)
- 2002 Invited Speaker, The Cell Cycle as a Target in Chemoprevention and Cancer Therapy Conference "Understanding the Molecular Mechanisms of SERM Action in Breast Cancer Cells" (Austin, TX)

Abstracts

- Greathouse, K.L., Davis, B.J., Goewey, J.A., Walker, C.L., **Cook, J.D.** (2005) "Identification of a Critical Period for Xenoestrogen-Induced Developmental Re-programming of the Reproductive Tract." Gulf Coast Society of Toxicology: 2005 Annual Meeting, Austin, TX.
- Cook, J.D.**, Davis, B, Barrett, J.C., Walker, C.L. (2004) "Identification of a Critical Period of Uterine Development for Xenoestrogen Exposure that Determines the Incidence of Uterine Leiomyoma." *Advances in Uterine Leiomyoma Research: 2nd NIH International Conference*, Bethesda, MD.
- Cook, J.D.**, Davis, B, Cai, S.L., Conti, C.J., Barrett, J.C., Walker, C.L. (2004) "Developmental Programming Determines Tumor Suppressor Gene Penetrance" 8th Annual MD Anderson Trainee Recognition Day, Houston, TX.
- Cook, J.D.**, Davis, B, Cai, S.L., Conti, C.J., Barrett, J.C., Walker, C.L. (2004) "Tumor Suppressor Gene Penetrance Determined by Early Life Environmental Exposure" 95th Annual Meeting of the American Association for Cancer Research, Orlando, FL.
- Cook, J.D.**, Davis, B, Cai, S.L., Conti, C.J., Barrett, J.C., Walker, C.L. (2004) "Developmental Programming of Tumor Suppressor Gene Penetrance" *Keystone Symposia: Emerging Mechanisms of Epigenetic Regulation*, Tahoe City, CA.
- Cook, J.D.**, Davis, B, Cai, S.L., Conti, C.J., Barrett, J.C., Walker, C.L. (2004) "Identification of a Window of Susceptibility for Developmental Programming that Increases Tumor

- Suppressor Gene Penetrance” 2nd Annual Program in Environmental and Molecular Carcinogenesis Graduate Student Retreat, Cedar Creek, TX.
- Cook, J.D.**, Davis, B, Cai, S.L., Conti, C.J., Barrett, J.C., Walker, C.L. (2003) “Enhanced Tumor Penetrance Resulting from Estrogen-Induced Developmental Reprogramming” Gordon Research Conference: Hormonal Carcinogenesis, Meridan, NH.
- Cook, J.D.**, Davis, B, Cai, S.L., Walker, C.L. (2003) “Hormonal Imprinting as a Result of Developmental Exposure to Estrogen Promotes Uterine Leiomyoma” Center for Research on Environmental Disease Symposium: Experimental Models of Human Disease, Austin, TX.
- Cook, J.D.**, Davis, B, Cai, S.L., Walker, C.L. (2003) “Neonatal Xenoestrogen Exposure Promotes Uterine Leiomyoma Development” 1st Annual Program in Environmental and Molecular Carcinogenesis Graduate Student Retreat, Cedar Creek, TX.
- Cook, J.D.**, Hodges, L.H, Lobenhofer, E, Leing, L, Bennet, L, Bushel, P, Afshari C, Walker, C.L. (2002) "Tamoxifen Functions as a Molecular Agonist Inducing Cell Cycle-Associated Genes in Breast Cancer Cells". Poster Session: 20th Annual Graduate Student Poster Session, Houston, TX.
- Cook, J.D.**, Davis, B, Cai, S.L., Walker, C.L. (2001) "Identification of a Neonatal Window of Susceptibility for Hormonal Imprinting Predisposing to Development of Uterine Leiomyoma". Endocrinology Poster Discussion Session: Proceedings of the 92nd Annual Meeting of the American Association for Cancer Research, San Francisco, CA.