

BIOGRAPHICAL SKETCH

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NAME JONNA FRASOR	POSITION TITLE Assistant Professor		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Northwestern University, Evanston, Illinois	BS	1989	Biomedical Engineering
DePaul University, Chicago, Illinois	MA	1993	Writing
University of Illinois at Chicago, Chicago, Illinois	PhD	2001	Physiology & Biophysics
University of Illinois at Urbana-Champaign, Urbana, Illinois	Postdoc	2001-2005	Molecular and Integrative Physiology

A. POSITIONS AND HONORS:**Current Position**

2005-present Assistant Professor. Department of Physiology and Biophysics, College of Medicine, University of Illinois at Chicago

Other Experience and Professional Memberships

Endocrine Society

2007-present Member, Research Affairs Core Committee, Endocrine Society
 2008-present Representative, FASEB Science Policy Committee
 2008-present Representative, FASEB Trainee and Career Development Subcommittee
 2009-present Editorial Review Board, Journal of Molecular Endocrinology

Honors

1999-2001 University Fellowship, Graduate College, University of Illinois at Chicago
 2002 Outstanding Ph.D. Thesis, Graduate College, University of Illinois at Chicago
 2001-2004 Reproductive Biology Training Grant, University of Illinois at Urbana-Champaign
 2002-2003 Lalor Foundation, Postdoctoral Fellowship, University of Illinois at Urbana-Champaign
 2003 Mara E. Lieberman Travel Grant Award, Endocrine Society
 2004 Komen Scholar-in-Training Travel Award, AACR
 2005 Abstract Award, Great Lakes Nuclear Receptor Conference
 2007 Women in Endocrinology, Travel Award, Endocrine Society

B. PUBLICATIONS

- Piekos MW, **Frasor J**, Mack S, Binor Z, Soltes B, Molo MW, Radwanska E, Rawlins RG 1995 Evaluation of co-culture and alternative culture systems for promoting in-vitro development of mouse embryos. Hum Reprod 10:1486-1491
- Frasor J**, Rawlins RG 1996 Tubal environment of the embryo. Fertil Steril 66:670-671
- Frasor J**, Sherbahn R, Soltes B, Molo MW, Binor Z, Radwanska E, Rawlins RG 1996 Optimizing tubal epithelial cell growth promotes mouse embryo hatching in coculture. J Assist Reprod Genet 13:423-430
- Sherbahn R, **Frasor J**, Radwanska E, Binor Z, Wood-Molo M, Hibner M, Mack S, Rawlins RG 1996 Comparison of mouse embryo development in open and microdrop co-culture systems. Hum Reprod 11:2223-2229
- Attaran M, **Frasor J**, Mascha E, Radwanska E, Rawlins RG 1998 The relationship of human granulosa-lutein cell proliferative index to follicular diameter and serum estradiol. Obstet Gynecol 91:449-453
- Zhong L, Ou J, Barkai U, Mao JF, **Frasor J**, Gibori G 1998 Molecular cloning and characterization of the rat ovarian 20 alpha-hydroxysteroid dehydrogenase gene. Biochem Biophys Res Commun 249:797-803
- Frasor J**, Gaspar CA, Donnelly KM, Gibori G, Fazleabas AT 1999 Expression of prolactin and its receptor in the baboon uterus during the menstrual cycle and pregnancy. J Clin Endocrinol Metab 84:3344-3350

8. **Frasor J**, Barkai U, Zhong L, Fazleabas AT, Gibori G 2001 PRL-induced ERalpha gene expression is mediated by Janus kinase 2 (Jak2) while signal transducer and activator of transcription 5b (Stat5b) phosphorylation involves Jak2 and a second tyrosine kinase. *Mol Endocrinol* 15:1941-1952
9. **Frasor J**, Park K, Byers M, Telleria C, Kitamura T, Yu-Lee LY, Djiane J, Park-Sarge OK, Gibori G 2001 Differential roles for signal transducers and activators of transcription 5a and 5b in PRL stimulation of ERalpha and ERbeta transcription. *Mol Endocrinol* 15:2172-2181
10. **Frasor J**, Barnett DH, Danes JM, Hess R, Parlow AF, Katzenellenbogen BS 2003 Response-specific and ligand dose-dependent modulation of estrogen receptor (ER) alpha activity by ERbeta in the uterus. *Endocrinology* 144:3159-3166
11. **Frasor J**, Danes JM, Komm B, Chang KC, Lyttle CR, Katzenellenbogen BS 2003 Profiling of estrogen up- and down-regulated gene expression in human breast cancer cells: insights into gene networks and pathways underlying estrogenic control of proliferation and cell phenotype. *Endocrinology* 144:4562-4574
12. **Frasor J**, Gibori G 2003 Prolactin regulation of estrogen receptor expression. *Trends Endocrinol Metab* 14:118-123
13. Rajendran RR, Nye AC, **Frasor J**, Balsara RD, Martini PG, Katzenellenbogen BS 2003 Regulation of nuclear receptor transcriptional activity by a novel DEAD box RNA helicase (DP97). *J Biol Chem* 278:4628-4638
14. **Frasor J**, Stossi F, Danes JM, Komm B, Lyttle CR, Katzenellenbogen BS 2004 Selective estrogen receptor modulators: discrimination of agonistic versus antagonistic activities by gene expression profiling in breast cancer cells. *Cancer Res* 64:1522-1533
15. Katzenellenbogen BS, **Frasor J** 2004 Therapeutic targeting in the estrogen receptor hormonal pathway. *Semin Oncol* 31:28-38
16. Stossi F, Barnett DH, **Frasor J**, Komm B, Lyttle CR, Katzenellenbogen BS 2004 Transcriptional profiling of estrogen-regulated gene expression via estrogen receptor (ER) alpha or ERbeta in human osteosarcoma cells: distinct and common target genes for these receptors. *Endocrinology* 145:3473-3486
17. **Frasor J**, Danes JM, Funk CC, Katzenellenbogen BS 2005 Estrogen down-regulation of the corepressor N-CoR: mechanism and implications for estrogen derepression of N-CoR-regulated genes. *Proc Natl Acad Sci U S A* 102:13153-13157
18. Rai D, Frolova A, **Frasor J**, Carpenter AE, Katzenellenbogen BS 2005 Distinctive actions of membrane-targeted versus nuclear localized estrogen receptors in breast cancer cells. *Mol Endocrinol* 19:1606-1617
19. Chang EC, **Frasor J**, Komm B, Katzenellenbogen BS 2006 Impact of estrogen receptor beta on gene networks regulated by estrogen receptor alpha in breast cancer cells. *Endocrinology* 147:4831-4842
20. **Frasor J**, Chang EC, Komm B, Lin CY, Vega VB, Liu ET, Miller LD, Smeds J, Bergh J, Katzenellenbogen BS 2006 Gene expression preferentially regulated by tamoxifen in breast cancer cells and correlations with clinical outcome. *Cancer Res* 66:7334-7340
21. Overk CR, Peng KW, Asghodom RT, Kastrati I, Lantvit DD, Qin Z, **Frasor J**, Bolton JL, Thatcher GR 2007 Structure-activity relationships for a family of benzothioephene selective estrogen receptor modulators including raloxifene and arzoxifene. *ChemMedChem* 2:1520-1526
22. Stender JD, **Frasor J**, Komm B, Chang KC, Kraus WL, Katzenellenbogen BS 2007 Estrogen-regulated gene networks in human breast cancer cells: involvement of E2F1 in the regulation of cell proliferation. *Mol Endocrinol* 21:2112-2123
23. ***Frasor J**, Weaver AE, Pradhan M, Mehta K. 2008 Synergistic up-regulation of prostaglandin E synthase expression in breast cancer cells by estrogen and pro-inflammatory cytokines. *Endocrinology* 149:6272-9
24. Doyle BJ, **Frasor J**, Bellows LE, Locklear TD, Perez A, Gomez-Laurito J, Mahady GB. 2009 Estrogenic effects of herbal medicines from Costa Rica used for the management of menopausal symptoms. *Menopause* 16:748-55.
25. ***Frasor J**, Weaver A, Pradhan M, Dai Y, Miller LD, Lin C-Y, Stanculescu A. 2009 Positive crosstalk between estrogen receptor and NFκB in breast cancer. *Cancer Research*, *in press*.