

Curriculum Vitae

Personal Data

Ji-Yong Julie Kim

Assistant Professor

Department of Obstetrics and Gynecology

Northwestern University

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Education

Ph.D Molecular and Cellular Biology
UNIVERSITÉ LAVAL / Ste Foy, Québec, CANADA
Jan 1992 - Jun 1995

B.Sc. Microbiology
UNIVERSITY OF TORONTO / Toronto, Ontario, CANADA
Specialist: Microbiology
Major: Human Biology
Sep 1986 - May 1990

Postdoctoral research training

Postdoctoral Fellow

Dept Obstetrics/Gynecology, UNIVERSITY OF ILLINOIS AT CHICAGO

Research Advisor: Dr. Asgerally T. Fazleabas

Area of Specialization: Cellular and Molecular Biology/Reproductive Biology

Project: The study of the decidualization process in primates at the cellular and molecular level.

Sep 1995-Sep 1997

Honors and awards

1991 Second prize in fundamental research, Université Laval, Department of Obstetrics and Gynecology

1992 Travel Award, International Organization of Mycoplasma Congress, Ames, IOWA

- 1994 Travel Award, International Organization of Mycoplasma Congress,
Bordeaux, FRANCE
- 1996 Travel Award, Gordon Conference (Reproductive Tract Biology),
Plymouth, New Hampshire
- 1997 Burroughs Wellcome Travel Award, Society for the Study of
Reproduction, Portland, Oregon
- 1997 Travel Award, Society for the Study of Reproduction, Portland, Oregon
- 1998 Travel Award, Society for Gynecologic Investigation, Atlanta, Georgia

Faculty appointments

Assistant Professor

Department of Obstetrics and Gynecology
NORTHWESTERN UNIVERSITY
Chicago, IL
Sep 2004-present

Research Assistant Professor

Department of Obstetrics and Gynecology
NORTHWESTERN UNIVERSITY
Chicago, IL
Oct 2003 to Aug 2004

Research Assistant Professor

Department of Obstetrics and Gynecology
UNIVERSITY OF ILLINOIS AT CHICAGO
Chicago, IL
Oct 1997 to Oct 2003

Committee service

PhD Thesis Defense Committee at University of Illinois at Chicago
PhD candidate – Sanobar Amin 2004.

Medical Student Summer Research Program
Review of research proposals
2005 – to present

Professional and scientific activity

Membership in Professional Societies

1995 to present	Society for the Study of Reproduction
2002 to 2004	Women in Endocrinology
2003 to present	Society for Gynecological Investigation
2004 to present	Center for Reproductive Sciences at Northwestern University
2005 to present	Endocrine Society

Ad Hoc Reviewer

Journals:	Biology of Reproduction Endocrinology Cancer Research Molecular Human Reproduction Journal for the Society for Gynecological Investigation Journal of Clinical Endocrinology and Metabolism
Grants:	Research Grants Council, Hong Kong, (2001) NICHD – Program Project (P01) Application (2003) NICHD - Program Project (P01) Application (2004)

Teaching experience

Folliculogenesis and Endometrial Development (1hr)

First year Medical students
Continuing medical education
University of Illinois at Chicago
Chicago, IL
April 14, 2004 – Visiting lecturer

PHYB302 – Reproductive Physiology (7hrs)

Graduate – Pharmacy school (PHARMD)
University of Illinois at Chicago
Chicago, IL
April 2001 –April 2003

Frontiers in Reproduction Course – (Continuing medical education)
Marine Biological Laboratories
Woods Hole, MA
Lead Teaching Assistant
Teach and run laboratory sessions for 2 weeks out of the 6 week course
June 2001-June 2003

Supervisory Teaching:

Direct Supervision:

Undergraduate Students:

Curt Miller – summer 2005

Postdoctoral Research Fellows:

Dr. Oscar Buzzio, 2004-2005

Research grants/contracts (past 5 years)

Past

R01 HD 36759

“Decidualization in the Baboon”

NICHD

Total Direct Cost: \$185,330

Co-Investigator

1999-2004

U54 HD40093-01A1

Center for Women’s Health and Reproduction

“Imaging and Microscopy Core”

NICHD

Total Direct Cost: \$61,716

Director

2002-2004

U54 HD40093-01A1

Center for Women’s Health and Reproduction

“Endometriosis in the Baboon: Establishment and Impact on Fertility”

NICHD

Total Direct Cost: \$174,928

Co- Investigator

2002-2004

Current

R01 HD 044715-01

“Regulation of IGFBP-1 by FKHR and HOXA10 during pregnancy”

NICHD

Total Direct Cost: \$180,000

Principal Investigator

2003-2007

Young Investigator Award

“Progesterone receptor in endometrial cancer: identification of target genes”

Northwestern Memorial Foundation

Total Direct Cost: \$25,000

Principal Investigator

2005-2006

Publications

Refereed journal articles

1. **Kim, J.J.**, Quinn, P.A., Fortier, M.A. (1994) Ureaplasma diversum infection in vitro alters prostaglandins E₂ and prostaglandins F₂ production by bovine endometrial cells without affecting cell viability. *Infection and Immunity* 62:1528-1533.
2. **Kim, J.J.**, Fortier, M.A. (1995) Cell type specificity and protein kinase C dependency on the stimulation of prostaglandin E₂ and prostaglandin F₂ production by oxytocin and platelet-activating factor in bovine endometrial cells. *Journal of Reproduction and Fertility* 103:239-247.
3. **Kim, J.J.**, Jaffe, R.C., Fazleabas, A.T. (1998) Comparative studies on the in vitro decidualization process in baboons and humans. *Biology of Reproduction* 59:160-168.
4. **Kim, J.J.**, Jaffe, R.C., Fazleabas, A.T. (1999) Insulin-like growth factor binding protein-1 expression in baboon endometrial stromal cell: regulation by filamentous actin and requirement for de novo protein synthesis. *Endocrinology* 140:997-1004. *Cover of the Feb issue of Endocrinology displays one of the figures from this publication.*
5. **Kim, J.J.**, Wang, J., Das, S.K., Bambra, C., Dey, S.K., Fazleabas, A.T. (1999) Expression of cyclooxygenase (COX) 1 and 2 in the baboon endometrium during the menstrual cycle and pregnancy. *Endocrinology* 140:2672-2678.
6. Foucher, I., Volovitch, M., Frain, M., **Kim, J.J.**, Souberbielle, J.C., Gan, L., Unterman, T.G., Prochiantz, A., Trembleau, A. (2002) Hoxa5 over-expression correlates with IGFBP1 up-regulation and postnatal dwarfism: evidence for an

- interaction between Hoxa5 and Forkhead box transcription factors. *Development* 129(17):4065-4074.
7. **Kim, J.J.**, Taylor, H.S., Akbas, G.E., Foucher, I., Trembleau, A., Jaffe, R.C., Fazleabas, A.T., Unterman, T.G. (2003) Regulation of insulin-like growth factor binding protein-1 promoter activity by FKHR and HOXA10 in primate endometrial cells. *Biology of Reproduction* 68(1):24-30.
 8. Arosh, J.A., Banu, S.K., Chapdelaine, P., Emond, V., **Kim, J.J.**, MacLaren, L.A., Fortier MA. (2003) Molecular Cloning and Characterization of Bovine Prostaglandin E(2) Receptors EP2 and EP4: Expression and Regulation in Endometrium and Myometrium during the Estrous Cycle and Early Pregnancy. *Endocrinology* 144(7):3076-3091.
 9. Jasinska, A., Han, V., Fazleabas, A.T., **Kim, J.J.** (2004) Induction of Insulin-like growth factor-binding protein-1 in baboon endometrial stromal cells by cells of embryonic origin. *J Soc Gyn Investig* 11(6):399-405.
 10. **Kim, J.J.**, Buzzio OL, Li S, Lu Z. (2005) Regulation of IGFBP-1 by FOXO1 and progesterone receptor in human endometrial cells. *Biol Reprod* Jun 29; [Epub ahead of print]

Proceedings and non-refereed papers

1. **Kim, J.J.**, Jaffe, R.C., Fazleabas, A.T. (1999) Blastocyst Invasion and the Stromal Response in Primates (A. Pellecier, C. Simon, L.C. Giudice and M.L. Polan, Eds). *Human Reproduction* 14 (Suppl 2): 45-55.
2. Fazleabas, A.T., **Kim, J.J.**, Srinivasan, S., Donnelly, K.M., Brudney, A., Jaffe, R.C. (1999) Implantation in the Baboon: Endometrial Responses. *Seminars in Reprod Endocrinol* 17: 257-265.
3. Fazleabas, A.T., **Kim, J.J.** (2003) What makes an embryo stick?. *Science* 299:355-356.
4. Fazleabas, A.T., **Kim, J.J.** and Strakova, Z. (2004) Implantation: Embryonic signals and the modulation of the uterine environment. *Placenta*. 25 Suppl:S26-31.
5. **Kim J.J.**, Fazleabas, A.T. (2004) Uterine receptivity and implantation: The regulation and action of insulin-like growth factor binding protein-1 (IGFBP-1), HOXA10 and forkhead box transcription factor-1 (FOXO-1) in the baboon endometrium. *Reprod Biol Endocrinol*. 2:34-39.

6. Serdar E. Bulun, S.E., Cheng, Y., Yin, P., Imir, G., Utsunomiya, H., Attar, E., Innes, J., **Kim JJ**. Progesterone resistance in endometriosis: link to failure to metabolize estradiol. *Mol Cell Endocrinol* (in press)

Books and book chapters

1. **Kim, J.J.** and Fazleabas, A.T. (1998) Growth Factors, In: *Encyclopedia of Reproduction*, Volume 2, Knobil and Neill (eds), Academic Press, pages 573-583.
2. Fazleabas, A.T., **Kim, J.J.**, Donnelly, K.M., Verhage, H.G. (1998) Embryo-Maternal Dialogue in the Baboon (*Papio anubis*). In: *Proceedings of the International Symposium on Embryo Implantation: Cellular, Molecular and Clinical Aspects* (D.D. Carson, Ed). Springer-Verlag, NY pp. 202-209.
3. Fazleabas A.T., **J.J Kim** (2002). Mature Female Reproductive System Endocrinology In: *The Endometrium* (S. Glasser, J.D. Aplin, L.C. Giudice & S. Tabibzadeh, Eds.) Taylor and Francis Ltd, New York and London. pp. 86 - 93.

Abstracts (past 3 years)

1. Buzzio OL, Lu Z, Unterman TG, **Kim JJ**. 2005. FOXO1 plays an important role in the regulation of genes during decidualization. SSR 38th Annual Meeting, Quebec City, QC, Canada, July 24-27.
2. Buzzio OL, Li S, **Kim JJ**. 2005. Progesterone receptor associates with FOXO1 during decidualization. SGI Annual Meeting, Los Angeles, CA, March 23-26.
3. Utsunomiya H, Lin Z, Thung S, Imir GA, **Kim JJ**, Bulun SE. 2005. Determination of the cis-acting elements in SF-1 promoter and trans-activating factors, which are responsible for aberrant SF-1 expression in endometriotic stromal cells. SGI Annual Meeting, Los Angeles, CA, March 23-26.
4. Buzzio OL, Li S, **Kim JJ**. 2004. Progesterone receptor in decidualization: interaction with FOXO1. 25th Annual Minisymposium in Reproductive Biology, CRS, Evanston, IL, October 18.
5. Li S, Taylor HS, Unterman TG, **Kim JJ**. 2004. Cooperative upregulation of the insulin-like growth factor binding protein-1 (IGFBP-1) promoter by FOXO1 and HOXA10 requires DNA binding of HOXA10. SSR 37th Annual Meeting, Vancouver, BC, Canada, August 1-4.
6. **Kim JJ**, Fazleabas AT. 2004. Uterine Receptivity and Implantation in the Baboon. IETS, Post-conference symposium, Portland, OR, Jan 14-15.
7. Lindsey JS, Winn VD, Crouch SJ, Spidel CM, **Kim JJ**, Jasinska A, Fazleabas AT, Fisher SJ. 2003. Regulation and expression of a novel, invasion-related gene, Mig-7, in early placenta. SSR 36th Annual Meeting, Cincinnati, OH, July 19-22.
8. Jasinska, A., **Kim.J.J.**, Fazleabas, A.T. 2002. Induction of Insulin-like growth factor-binding protein-1 in baboon endometrial stromal cells by cells of embryonic origin. SSR 35th Annual Meeting, Baltimore Maryland, July 28-31.

9. **Kim.J.J.**, Taylor, H., Akbas G.E., Foucher, I., Trembleau, A., Jaffe, R.C., Fazleabas, A.T., Unterman, T.G., 2002. FKHR and HOXA10 stimulate insulin-like growth factor binding protein-1(IGFBP-1) gene expression cooperatively in primate endometrial cells. 84th Annual Meeting of The Endocrine Society, San Francisco, CA, June 19-22.

Invited lectures and symposia

1. Speaker – International Embryo Transfer Society, Post-Conference Symposium, January 14-15, 2004 “Uterine Receptivity and Implantation in the Baboon”, Portland, OR.
2. Lead Teaching Assistant and Assistant Program Coordinator at the internationally renowned Frontiers of Reproduction Course 2001-2003, Marine Biological Laboratories at Woods Hole, MA..
3. Speaker – International Gordon Conference on Reproductive Tract Biology, July 2002 “Transcriptional Regulation of IGFBP-1 during endometrial decidualization”, Connecticut College, New London, CT
4. Speaker – CARE (Chicago Association of Reproductive Endocrinologists), January 2002, “Interaction of Cells of Embryonic and Endometrial Origin”, Chicago, IL.
5. Speaker – CARE (Chicago Association of Reproductive Endocrinologists), January 1997, “Comparative Studies on the *in vitro* Decidualization Process in Baboons and Humans”, Chicago, IL