BIOGRAPHICAL SKETCH

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NAME	POSITION TITLE
Patankar Manish Suresh	Assistant Professor (Accepted for tenure)
eRA COMMONS USER NAME (credential, e.g., agency login) patankar	

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
University of Bombay	B.Sc.	1987	Chemistry
University of Bombay	M.Sc.	1990	Organic Chemistry
Old Dominion University, Norfolk, VA	M.S.	1993	Chemistry
Old Dominion University and Eastern Virginia Medical School (Joint Program), Norfolk, VA	Ph.D.	1998	Biomedical Sciences

A. Personal Statement: N/A**.**

B. Positions and Honors.

1990	Research Assistant, Hoechst Research Center, India
1990-1993	Graduate Teaching Assistant, Old Dominion University, Norfolk, VA
1993-1998	Graduate Research Assistant, Eastern Virginia Medical School, Norfolk, VA
1998-1999	Post-Doctoral Fellow, Eastern Virginia Medical School, Norfolk, VA
1999- 2002	Instructor, Eastern Virginia Medical School, Norfolk, VA
2002-2004	Research Assistant Professor, Eastern Virginia Medical School, Norfolk, VA
2004-Present	Assistant Professor, University of Wisconsin-Madison and member of the University of Wisconsin-Madison Comprehensive Cancer Center
2010	Approved for tenure and promotion to Associate Professor at the University of Wisconsin-Madison

Other Experience and Professional Memberships

2001- Member NIH Minority Biomedical Research Support (MBRS) program study section
2007-Member of AACR
2008-Member of Consortium for Functional Glycomics, an NIH Funded consortium for studying and identifying carbohydrate binding proteins in the immune system.R
2009-Reviewer for National Institutes of Health RC1 challenge grants
2009-Ad hoc member of National Institutes of Health study section (Special Emphasis Panel/Scientific Review Group 2009/10 ZRG1 IMM-G (10) B) to review Immunology-focused STTR and SBIR grants.
2009-Reviewer for grants submitted to the Wellcome Trust, UK
2009-Reviewer for Journal of Immunology, Disease Markers, Journal of Ovarian Research, and Biomaterials

C. Peer-reviewed publications (15 of 31 total).

1. Belisle, J.A., Horibata, S., Gubbels, J.A.A., Petrie, S., Kapur, A., Andre, S., Gabius, H-J., Rancourt, C., Connor, J.P., Paulson, J.C., Patankar, M.S., Identification of Siglec-9 as the receptor for MUC16 on human NK cells, B cells, and monocytes. Molecular Cancer, (in press). PMCID: In Process.
2. Gubbels, J.A.A., Felder, M., Horibata, S., Belisle, J.A., Holden, H., Petrie, S., Migneault, M., Rancourt, C., Connor, J.P., and Patankar, M.S. MUC16 provides immune protection by inhibiting synapse formation between NK and ovarian tumor cells. *Molecular Cancer* , 2010, 9: 11. PMCID: Free Access
3. Gubbels, J.A.A., Claussen,N., Kapur, A.K.,Connor, J.P., and Patankar, M.S. Detection, Treatment, and the Biology of Epithelial Ovarian Cancer. *J. Ovarian Res*. 2010, 3: 8. PMCID: Free Access
4. Dumesic DA, Patankar MS, Barnett DK, Lesnick TG, Hutcherson BA, Abbott DH: Early prenatal androgenization results in diminished ovarian reserve in adult female rhesus monkeys. *Hum Reprod* 2009, 24: 3188-3195. PMCID: In Process
5. Goodell CAR, Belisle, J.A., Gubbels, J.A.A., Migneault, M., Rancourt, C., Connor, J.P., Kunnimalaiyaan, M., Kravitz, R., Tucker, W., Zwick, M., Patankar, M.S: Characterization of the Tumor Marker Muc16 (CA125) Expressed by Murine Ovarian Tumor Cell Lines and Identification of a Panel of Cross-Reactive Monoclonal Antibodies. *Journal of Ovarian Research* 2009. PMCID: Free Access
6. Sathyanarayana BK, Hahn Y, Patankar MS, Pastan I, Lee B: Mesothelin, Stereocilin, and Otoancorin are predicted to have superhelical structures with ARM-type repeats. *BMC Struct Biol* 2009, 9:1. PMCID: Free Access
7. Engle DB, Belisle JA, Gubbels JA, Petrie SE, Hutson PR, Kushner DM, Patankar MS: Effect of acetyl-l-carnitine on ovarian cancer cells' proliferation, nerve growth factor receptor (Trk-A and p75) expression, and the cytotoxic potential of paclitaxel and carboplatin. *Gynecol Oncol* 2009, 112:631-636. PMCID: In Process
8. Sutton-Smith M, Wong NK, Khoo KH, Wu SW, Yu SY, Patankar MS, Easton R, Lattanzio FA, Morris HR, Dell A, Clark GF: Analysis of protein-linked glycosylation in a sperm-somatic cell adhesion system. *Glycobiology* 2007, 17:553-567.
9. Belisle JA, Gubbels JA, Raphael CA, Migneault M, Rancourt C, Connor JP, Patankar MS: Peritoneal natural killer cells from epithelial ovarian cancer patients show an altered phenotype and bind to the tumour marker MUC16 (CA125). *Immunology* 2007, 122:418-429.
10. Gubbels JA, Belisle J, Onda M, Rancourt C, Migneault M, Ho M, Bera TK, Connor J, Sathyanarayana BK, Lee B, et al, Patankar MS: Mesothelin-MUC16 binding is a high affinity, N-glycan dependent interaction that facilitates peritoneal metastasis of ovarian tumors. *Mol Cancer* 2006, 5:50.
11. Chalabi S, Panico M, Sutton-Smith M, Haslam SM, Patankar MS, Lattanzio FA, Morris HR, Clark GF, Dell A: Differential O-glycosylation of a conserved domain expressed in murine and human ZP3. *Biochemistry* 2006, 45:637-647.
12. Patankar MS, Yu J, Morrison JC, Belisle JA, Lattanzio FA, Deng Y, Wong NK, Morris HR, Dell A, Clark GF: Potent suppression of natural killer cell response mediated by the ovarian tumor marker CA125. *Gynecol Oncol* 2005, 99:704-713.
13. Kui Wong N, Easton RL, Panico M, Sutton-Smith M, Morrison JC, Lattanzio FA, Morris HR, Clark GF, Dell A, Patankar MS: Characterization of the oligosaccharides associated with the human ovarian tumor marker CA125. *J Biol Chem* 2003, 278:28619-28634.
14. Dell A, Chalabi S, Easton RL, Haslam SM, Sutton-Smith M, Patankar MS, Lattanzio F, Panico M, Morris HR, Clark GF: Murine and human zona pellucida 3 derived from mouse eggs express identical O-glycans. *Proc Natl Acad Sci U S A* 2003, 100:15631-15636.
15. Chalabi S, Easton RL, Patankar MS, Lattanzio FA, Morrison JC, Panico M, Morris HR, Dell A, Clark GF: The expression of free oligosaccharides in human seminal plasma. *J Biol Chem* 2002, 277:32562-32570. 16. Clark GF, Dell A, Morris HR, Patankar MS, Easton RL: The species recognition system: a new corollary for the human fetoembryonic defense system hypothesis. *Cells Tissues Organs* 2001, 168:113-121.

D. Research Support

Funded grants

1. ID 1062 Wisconsin Partnership Program 10/01/07-9/30/09
A new diagnostic test to monitor regression and recurrence of epithelial ovarian cancer
Role: PI
Overlap: None

2. 1R41CA132520-01A2 National Institutes of Health 06/01/2009-05/31/2010
Improving Ovarian Cancer Treatment by Targeting a Novel Epitope of MUC16
Role: co-PI
Overlap: None

3. Draper Technology Innovation Fund Wisconsin Alumni Research Foundation 7/01/09-6/30/2010
Diagnostic test for detection and monitoring of ovarian cancer and preeclampsia
Role: PI
Overlap: This small grant has allowed us to collect samples and acquire the preliminary data presented in the R21 application. This grant will end on 6/30/2010 and there will be no overlap with the R21 funding.

4. 1R21CA143616-01 National Institutes of Health exact dates for this 2-year grant not determined
Ovarian cancer diagnosis by monitoring immune cell bound MUC16 (CA125)
Role: PI
Overlap: None.