

## MSTP STUDENT DESCRIPTION

NAME: Jennifer Barnas

e-Mail address: jlbarnas@buffalo.edu

Undergraduate College/University attended: Cornell University

Major: Animal Science

Years in MSTP (1-8): 5

DEPARTMENT: Microbiology & Immunology

THESIS ADVISOR: Dr. Richard B. Bankert, V.M.D., Ph.D.

### RESEARCH DESCRIPTION:

PhD Thesis title: **Fibroblast Modulation of T Lymphocyte Activation**

Date of Completion (or expected) of PhD: **2010**

Research Description: **Fibroblast modulation of autologous T lymphocyte function in malignant and normal tissues. (Tumor Immunotherapy)**

### PUBLICATIONS / ABSTRACTS PRESENTED:

#### **Publications:**

1. Mulhall J, Teloken P, and J Barnas. 2009. Vasculogenic erectile dysfunction is a predictor of abnormal stress echocardiography. *J Sex Med* 6(3):820-5.
2. Mulhall J, Barnas J, Aviv N, Anderson M, and M Parker. 2005. Sildenafil citrate response correlates with the nature and the severity of penile vascular insufficiency. *J Sex Med* 2 (1):104-8.
3. Barnas J, Parker M, Guhring P, and JP Mulhall. 2005. The utility of tamsulosin in the management of orgasm-associated pain: a pilot analysis. *Eur Urol* 47:361-5; discussion 365.
4. Brooks MB, Barnas JL, Fremont J, and J Ray. 2005. Cosegregation of a factor VIII microsatellite marker with mild hemophilia A in Golden Retriever dogs. *J Vet Intern Med* 19:205-10.
5. Barnas JL, Pierpaoli S, Ladd P, Valenzuela R, Aviv N, Parker M, Waters WB, Flanigan RC, and JP Mulhall. 2004. The prevalence and nature of orgasmic dysfunction after radical prostatectomy. *BJU Int* 94:603-5.
6. Brooks MB, Gu W, Barnas JL, Ray J, and K Ray. 2003. A Line 1 insertion in the Factor IX gene segregates with mild hemophilia B in dogs. *Mamm Genome* 14:788-95.

#### **Abstracts:**

1. Barnas JL and RB Bankert. Normal and Tumor-Associated Human Fibroblast Modulation of T Lymphocyte Function. (Oral presentation) 11<sup>th</sup> Annual Upstate New York Immunology Conference. October 2008. Bolton Landing, NY.
2. Barnas JL and RB Bankert. Normal and Tumor-Associated Human Fibroblast Modulation of T Lymphocyte Function. Buffalo Immunology Conference. September 2008. Buffalo, NY.

3. **Barnas JL and RB Bankert. Activation of quiescent memory T lymphocytes from human tumors is enhanced by co-cultivation with autologous tumor-associated stromal fibroblasts. 2008 Experimental Biology, San Diego, CA. April 2008. Abstract #1327**
4. **Barnas J and JP Mulhall. Gene Expression Alterations Involved In The Transformation Of Cultured Peyronie's Disease Fibroblasts. Biennial Meeting Of The International Society Of Sexual Medicine, Buenos Aires, Argentina October 2004. Journal of Sexual Medicine.**
5. **Barnas J and JP Mulhall. The Quest For Viral Involvement In Peyronie's Disease. Biennial Meeting Of The International Society Of Sexual Medicine, Buenos Aires, Argentina October 2004. Journal of Sexual Medicine.**
6. **Barnas J and JP Mulhall. p53 Sequencing In Peyronie's Disease fibroblasts. Annual Meeting of the American Urological Association (AUA), San Francisco, May 2004. Journal of Urology.**
7. **Barnas J, Parker M, and JP Mulhall. Assessment Of The Utility Of Alpha Adrenergic Blockade In The Treatment Of Post-Orgasmic Pain. Annual Meeting of the American Urological Association (AUA), San Francisco, May 2004. Journal of Urology.**
8. **Barnas J, and JP Mulhall. Analysis Of p63 and p73 Expression Profiles In Peyronie's Disease. Annual Meeting of the American Urological Association (AUA), San Francisco, May 2004. Journal of Urology.**
9. **Martin DJ, Barnas J, and JP Mulhall. Peyronies Disease Plaque Derived Fibroblasts Harbor CMV DNA. Annual Meeting of the American Urological Association (AUA), Chicago, April 2003. Journal of Urology.**

**PROFESSIONAL/EDUCATIONAL MEETINGS ATTENDED (name of meeting, dates of attendance, location):**

- **11<sup>th</sup> Annual Upstate New York Immunology Conference, Bolton Landing, NY. October 19-22, 2008.**
- **Buffalo Conference on Immunology, Buffalo, NY. September 8-9, 2008.**
- **American Association of Immunologists Advanced Immunology Course, University of Minnesota, Minneapolis, MN. July 19-25, 2008.**
- **5<sup>th</sup> Annual Western New York Flow Users Group Meeting, University of Rochester, Rochester, NY. July 16, 2008.**
- **MD/PhD WNY conference, University of Rochester, Rochester, NY. May 3, 2008.**
- **Experimental Biology 2008, Annual Meeting of the American Association of Immunologists, San Diego, California. April 5-9, 2008.**
- **ImageStream Interest Group and Ideas 3.0 Workshop, Roswell Park Cancer Institute, Buffalo, NY. February 11-15, 2008.**
- **Buffalo Conference on Immunology, Niagara Falls, NY. September 2007.**
- **4<sup>th</sup> Annual Western New York Flow Users Group Meeting, University of Rochester, Rochester, NY. July 2007.**
- **MD/PhD WNY conference, Syracuse, NY. May 2007.**
- **Buffalo Conference on Immunology, Amherst, NY. September 2006.**
- **MD/PhD WNY conference, Buffalo, NY. May 2006.**
- **MD/PhD WNY conference, University of Rochester, Rochester. May 2005.**
- **Annual Meeting of the American Urological Association (AUA), San Francisco, May 2004.**

**AWARDS / HONORS:**

**2008 Gorzynski Travel Award**

**2007 Ernest Witebsky Memorial Award for Proficiency in Microbiology**

**2004 Gilbert D. Moore Fellowship**

MEDICAL SCHOOL ACTIVITIES:

EXTRACURRICULAR INTERESTS: **Polo (equestrian), hoop dance, and promoting the local music scene.**