Margaret Pawlowski Ackerman
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Dorchester, MA 02124
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Education

Massachusetts Institute of Technology — Cambridge, MA
Ph.D. Candidate, Department of Biology — 2004-present
- Advisor: Professor K. Dane Wittrup
- Thesis: Immunotherapy of Cancer: Targeting the Tight Junction

Brandeis University — Waltham, MA
- Master of Science in Biochemistry — 1999-2003
- Bachelor of Science in Chemistry and Biochemistry
- Conferred summa cum laude

Research Experience

Brandeis University — Waltham, MA
Master's Thesis — 2000-2003
- Advisor: Professor Chan Fulton
- Thesis: The Role of the Pentose Phosphate Pathway in Thiamin Depletion-Induced Apoptosis

Dartmouth Medical School — Hanover, NH
Research Assistant — Summer 2000
- Advisor: Dr. Alexandra Howell
- Developing protocols to purify HIV-related proteins for use in vaccine development

Teaching Experience

Massachusetts Institute of Technology — Cambridge, MA
Teaching Assistant, Introductory Biology, 7.012 — Fall 2005
Teaching Assistant, Principles of Human Disease, 7.27 — Spring 2008

College of Charleston — Charleston, SC
Adjunct Instructor, Department of Chemistry — 2003-2004
- General Chemistry Laboratory

Trident Technical College — Charleston, SC
Adjunct Instructor, Department of Chemistry — 2003-2004
- General Chemistry and Lab

Honors and Scholarships

Goldwater Scholar
Schiff Fellowship
Richter Fellowhip
Nathan O. Kaplan Prize in Biochemistry
Howard Hughes Summer Fellowship
Phi Beta Kappa
Justice Brandeis Scholar
Pfizer Summer Fellowship

Presentations

Ackerman, M.* and Wittrup, K. D., "A33 Antigen Displays Persistent Surface Expression" Conference on Cancer Therapy with Antibodies and Immunoconjugates, Parsippany, NJ, Oct 12-14, 2006.

Schmidt, M.*, Ackerman, M. and Wittrup, K.D., "Engineering Antibody Fragments for Improved Targeting of Solid Tumors and Micrometastases" Keystone Symposia, Antibodies as Drugs, Lake Louise, AB, Feb 1-6, 2007.

Posters

Ackerman, M and Wittrup, K. D., "A33 Antigen Displays Persistent Surface Expression, a Desirable Property for Immunotherapeutic Targeting" Keystone Symposia, Antibodies as Drugs, Lake Louise, AB, Feb1-6, 2007.

Ackerman, M and Wittrup, K. D., "Effect of Antigen Turnover Rate and Expression Level on Antibody Penetration into Tumor Spheroids" IBC Antibody Engineering, San Diego, CA, Dec 2007.

Publications

Ackerman ME, Chalouni C, Schmidt MM, Raman VV, Ritter G, Old LJ, Mellman I, Wittrup KD. "A33 Antigen Displays Persistent Surface Expression" *Cancer Immunol Immunother* (**2008**) 57:1017–1027.

Ackerman ME, Pawlowski DJ, Wittrup KD, "Effect of Antigen Turnover Rate and Expression Level on Antibody Penetration into Tumor Spheroids" *Mol Cancer Ther* **in press**
