

BIOGRAPHICAL SKETCH

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NAME David A. Jones, M.D., Ph.D.		POSITION TITLE Associate Physician, Brigham and Women's Hospital	
eRA COMMONS USER NAME DAJ123		Instructor of Dermatology, Harvard Medical School	
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
Princeton University, Princeton, NJ	BSE	1989	Chemical Engineering
Rice University, Houston, TX	Ph.D.	1994	Chemical Engineering
Baylor College of Medicine, Houston, TX	M.D.	1996	
Massachusetts General Hospital, Boston, MA	Internship	1997	Internal Medicine
Massachusetts General Hospital, Boston, MA	Residency	2000	Dermatology

Positions and Honors

Summers 1985 and 1986 and vacations 1985 to 1988	<u>Associate Software Engineer</u> , Digital Equipment Corp., Marlboro, MA. Various programming assignments associated with a FORTRAN based laboratory information management system.
Summers 1987 and 1988	<u>Research Associate</u> , New England Deaconness Hospital, Boston, MA. Nuclear magnetic resonance and magnetic resonance imaging studies.
Summer 1989	<u>Research Associate</u> , Los Alamos National Laboratory, Los Alamos, NM. Mathematical modelling of receptor-mediated endocytosis.
Fall 1991	<u>Research Associate</u> , Monsanto Corporate Research, Creve Coeur, MO. Leukocyte adhesion under flow conditions.
1990-1994	<u>Graduate student</u> , Rice University, Houston, TX. Thesis advisor Larry V. McIntire, PhD, Leukocyte adhesion under flow conditions.
2000-present	<u>Associate Physician</u> , Brigham & Women's Hospital, Boston, MA and <u>Instructor of Dermatology</u> Harvard Medical School, Boston, MA.

Honors

Nashoba Regional High School: Valedictorian
 Princeton University: High Honors in Chemical Engineering
 NIH National Research Service Award for full funding of MD/PhD program
 Baylor College of Medicine: Honors in Basic Medical Sciences, Alpha Omega Alpha Honor Medical Society
 Baylor College of Medicine MD/PhD program: 1996 Outstanding Student Award
 American Academy of Dermatology: 2002 Young Investigator Award
 Society of Investigative Dermatology: 2003 Eugene M. Farber Research in Psoriasis Award

Original Reports

Clouse, M.E., **Jones, D.A.**, and Lanir, A. P-31 NMR evaluation of intermittent perfusion as a method of liver preservation. *Transplantation Journal* 45(6):1137-1139 (1987).
 Goldstein, B., **Jones, D.A.**, Kevrekidis, I.G., Perelson, A.S. Evidence for p55 - p75 heterodimers in the absence of IL-2 from Scatchard plot analysis. *International Immunology* 4(1):23-32 (1992).
Jones, D.A., McIntire, L.V., McEver, R.P., Smith, C.W. P-selectin mediates neutrophil rolling on histamine-stimulated endothelial cells. *Biophysical Journal* 65:1560-1569 (1993).
Jones, D.A., McIntire, L.V., Smith, C.W., Picker, L.J. A two-step adhesion cascade for T cell/endothelial cell interactions under flow conditions. *Journal of Clinical Investigation* 94:2443-2450 (1994).
Jones, D.A., Smith, C.W., Picker, L.J., McIntire, L.V. Neutrophil adhesion to 24 hour IL-1-stimulated

endothelial cells under flow conditions. *Journal of Immunology* 157(2):858-863 (1996).

Jones, D.A., Johnson, R.A. Common and unusual cases seen by an inpatient dermatology consult service. *Seminars in Cutaneous Medicine and Surgery* 19:62-68 (2000).

Ferenczi, K., Yawalkar, N., **Jones, D.A.**, Kupper, T.S. Monitoring the decrease of malignant T cells in the circulation of an advanced CTCL patient during photopheresis and interferon therapy. *Archives of Dermatology*, in press (2002).

Yawalkar, N., Ferenczi, K., **Jones, D.A.**, Yamanaka, K., Suh, K-Y., Sadat, S., Kupper, T.S. Profound loss of T cell receptor repertoire complexity in cutaneous T cell lymphoma. *Blood* 102:4059 (2003).

Tian, M., **Jones, D.A.**, Smith, M., Shinkura, R., Alt, F. Deficiency in the nuclease activity of xeroderma pigmentosum G in mice leads to hypersensitivity to UV irradiation. *Molecular Cell Biology* 24:2237 (2004).

Jones, D.A., Yawalkar, N., Suh, K-Y., Rich, B., Sadat, S., Kupper, T.S. Identification of autoantigens in psoriasis using expression cloning. *Journal of Investigative Dermatology* 123:93 (2004).

Yamanaka, K., Yawalkar, N., **Jones, D.A.**, Hurwitz, D., Ferenczi, K., Kupper, T.S. Decreased T-cell receptor excision circles in cutaneous T-cell lymphoma. *Clinical Cancer Research*, 11:5748 (2005).

Goddard, D.S., Yamanaka, K-I., Kupper, T.S., **Jones, D.A.**, Neutrophil activation in cutaneous T cell lymphoma (CTCL). *Clinical Cancer Research*, 11(23):8243-9. (2005).

Shin, J., Monti, S., Hurwitz, D., Kupper, T.S., **Jones, D.A.**, Gene expression profiling in cutaneous T cell lymphoma. *Blood*, submitted (2006).

Reviews

Abbassi, O., **Jones, D.A.**, Mariscalco, M., McEver, R., McIntire, L.V., Smith, C.W. Effects of Shear Stress on Leukocyte Adhesion, in *Cellular Adhesion: Molecular Definition to Therapeutic Potential*, Metcalf, B. W., Dalton, B. J., Poste, G., eds. Plenum Press, New York, 1994 (pp. 135-151, Chap. 8).

Jones, D.A., Smith, C.W., McIntire, L.V. Flow Effects on Leukocyte Adhesion to Vascular Endothelium, in *Principles of Cell Adhesion*, P.D. Richardson and M. Steiner, eds. CRC Press, Boca Raton, FL. 1994 (pp. 143-160, Chap 7).

Jones, D.A., Smith, C.W., McIntire, L.V. Flow Modulation of Receptor Function in Leukocyte Adhesion to Endothelial Cells, in *Cell Mechanics and Cellular Engineering*, Mow, V. C., Guilak, F., Tran-Son-Tay, R., Hochmuth, R.M., eds. Springer-Verlag, New York. 1994 (pp. 70-94, Chap. 6).

Gopalan, P., **Jones, D.A.**, McIntire, L.V., Smith, C.W. Cell Adhesion under Hydrodynamic Flow Conditions, in *Current Protocols in Immunology*, Coligan, J.E., Kruisbeek, A.M., Margulies, D.H., Shevach, E.M., and Strober, W., eds. John Wiley & Sons, New York. 1995 (pp. 7.29.1-7.29.23).

Jones, D.A., Smith, C.W., McIntire, L.V. Effects of Fluid Shear Stress on Leukocyte Adhesion to Endothelial Cells, in *Physiology and Pathophysiology of Leukocyte Adhesion*, G.W. Schmid-Schonbein and D.N. Granger, eds. Oxford University Press. 1995.

Jones, D.A., Smith, C.W., McIntire, L.V. Methods for In Vitro Analysis of Leukocyte Adhesion under Flow Conditions, in *Weir's Immunological Methods*, Butcher, E.C., ed. Blackwell Scientific Publishers, Palo Alto, CA. 1995.

Jones, D.A., Smith, C.W., McIntire, L.V. Leukocyte adhesion under flow conditions: principles important in tissue engineering. *Biomaterials* 17:337-347 (1996).

Jones, D.A. Contributions of superoxide to the pathogenesis of rosacea. *Cutis* 74(3 suppl):17-20 (2004).

Jones, D.A. The potential immunomodulatory effects of topical retinoids. *Dermatology Online Journal* 11(1):3 (2005).

Research Support

Immunological Studies of Smallpox Immunization 9/01/03-8/31/08

NIH

Role on Project: Co-investigator

Role is to determine the immunodominant antigens in vaccinia vaccination by expression cloning and direct a core facility for expression and purification of dominant antigens, ELISA testing, and ELISPOT testing.

Epidermal Antigens in Psoriasis 2/1/01-1/30/03
National Psoriasis Foundation/USA
Role on Project: Principal Investigator

The goals of this project are to apply the SEREX expression cloning approach to identify new autoantigens in psoriasis, and to further characterize previously identified autoantigens.

Autoantigens in Psoriasis 1/1/01-12/30/01
American Skin Association
Role on Project: Principal Investigator

The major goal of this project is to apply the SEREX expression cloning approach to identify autoantigens in psoriasis.

Tumor Antigens in Cutaneous T Cell Lymphoma 6/1/01-5/31/02
National Leukemia Research Association
Role on Project: Principal Investigator

The major goal of this project is to apply the SEREX technique to identify antigens in cutaneous T cell lymphoma.