

BIOGRAPHICAL SKETCH

NAME	POSITION TITLE		
Lauren M. Pachman, MD	Prof Pediatrics, Div Immunol/Rheumatology, Northwestern Univ Feinberg School of Med Director: Molecular and Cellular Pathobiology Program, CMRC*		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Wellesley College, Wellesley, MA	BA	1957	Chemistry
Univ. of Chicago, Chicago, IL	MD	1961	Medicine
Philadelphia General Hosp., Phil, PA	Intern	1961-1962	Rotating
Babies Hospital, New York, NY	Resident	1962-1964	Pediatrics
Rockefeller University, New York, NY	Fellow	1964-1966	Immunology

A. Positions and Honors.

Hospital Positions

1964-1966	Assistant Physician, Hospital of Rockefeller University
1964-1966	Assistant, Department of Pediatrics, Columbia University
1966-1969	Instructor, LaRabida-University of Chicago, Department of Pediatrics
1969-1971	Assistant Professor, LaRabida-University of Chicago, Department of Pediatrics
1971-1978	Associate Professor, Pediatrics, Northwestern University Medical School
1971-2002	Head, Division of Immunology/Rheumatology, The Children's Memorial Hospital
1978 –	Professor with Tenure, Pediatrics, Northwestern University Medical School
9/80-4/81	Visiting Professor, (Klaus E. Kuettner, PhD) Ortho. and Path, Rush Pres-St. Luke's Ctr
9/84-8/87	Acting Administrative Head, Division of Allergy, The Children's Memorial Hospital
1983-1986	Director Research Component, Northwestern Univ. Multipurpose Arthritis and Musculoskeletal Disease Center
1985-1988	Director, Arthritis Foundation Pediatric Clinical Research Center
1986-1995	Director, Biomedical Research Component, Northwestern Univ. Multipurpose Arthritis and Musculoskeletal Disease Center
1/89-4/89	Visiting Scientist (Lab of Leroy Hood, M.D., Ph.D.) Div. Biology, California Institute Tech.
1996-2001	Co-Director, Biomedical Research Component, Northwestern Univ. Multipurpose Arthritis Musculoskeletal Disease Center
2002—2004	Interim Director Disease Pathogenesis Program Children's Memorial Research Center *(CMRC); 2004—Director
2004-	Director, Molecular and Cellular Pathobiology Program, CMRC
2004-	CMRC: Leadership Committee; 2005- Chair, Cell Sorting Users Committee; 2005--; Chair, Stem Cell/Immunobiology Search Committee, 2004--2006

Honors/National Committees

1964-1966	NIH Postdoctoral Fellow
1989	University of Chicago Medical Alumnae Distinguished Service Award
1996	American Med Lab Immunologists: Erwin Neter Memorial Lecture Award
2001	University of Chicago Alumnae: Professional Achievement Award
2002	American College of Rheumatology: Master of Rheumatology
2003	Am Academy of Pediatrics, Pediatric Rheumatology Subsection: Career Award of Distinction
2001-3	American College of Rheumatology Visiting Professor Award
2004	American College of Rheumatology: Distinguished Career Award for Clinical Research

National Committees

2001-2002 Chair, ACR Abstract Selection Committee—myositis subsection, 2005 committee member
2001- Reviewer for Stem Cell Transplantation for Pediatric Rheumatic Disease
2003 Chair, NIH Clinical Grant Study Section
2008-2012 NIH NIAMS Permanent Review Committee Member: ACTS

Selected National Advisory Councils/Editorial Boards

Food and Drug Administration, Arthritis Advisory Committee, 1986-1992, Immune Deficiency and Allied Disorders; Clinical Updates; Editorial Board-1994-; Section Chair, Stem Cell transplantation in Ped. Rheumatic Disease, 2000, Member—2008; Special Grants Review Committee (SGRC), Consultant, Small Grant Program for NIAMS, 1997, NIAMS Myopathy Workshop 2000, NIAMS Pediatric Roundtable 2001; Chair, NIH Clinical Review Study Section, 2002; NIH AMS Review Committee, Ad Hoc member, 2006; The Myositis Association (TMA) Medical Advisory Board 2002-2007; TMA Research Committee: 2005-2007 Greater IL Chapter Arthritis Foundation, Board of Directors 2000-20011. CARRA: International Consensus Conference: Juvenile Dermatomyositis, 2007

A. SELECTED PUBLICATIONS 122 peer review, 51 Invited*

Lian J, Pachman L, Gunberg C, Partridge N, Gallop P: Gamma carboxyglutamate excretion: A marker in patients with ectopic calcification disorders. *Arthritis Rheum* 22: 634-635, 1979.

Eisenstein DM, O'Gorman MRG, Pachman LM. Correlations between change in disease activity and changes in peripheral blood lymphocyte subsets in patients with juvenile dermatomyositis. *J Rheum*, 24:1830-1832,1997.

Pachman LM, Hayford J, Hochberg MC, Pallansch MA, Daugherty CD, Athreya BH, Bowyer SL, Fink C, Gewanter HL, Jerath R, Lang BA, Szer IS, Sinacore J, and Dyer A. New onset juvenile dermatomyositis: Comparisons with a healthy cohort and children with juvenile rheumatoid arthritis. *Arthritis Rheum*, 40: 1526-33, 1997.

Reed AM, Pachman LM, Hayford J, and Ober C. Immunogenetic studies in families of children with juvenile dermatomyositis (JDMS). *J Rheumatol*, 25: 1000-1002, 1998.

Pachman LM, Hayford JR, Chung A, Daugherty CA, Pallansch MA, Fink CW, Gewanter HL, Jerath R, Lang BA, Sinacore J, Szer IS, Dyer AR and Hochberg MC. Juvenile dermatomyositis at diagnosis: clinical characteristics of 79 children. *J Rheumatol*, 25:1198-204, 1998.

Abramson LS, Pachman LM, Abertini RJ and Finette BA. Association among Somatic HPRT mutant frequency, peripheral blood t-lymphocyte clonality and serologic parameters of disease activity in children with juvenile onset dermatomyositis. *Clin Immunol Immunopathol*, 91:61-67,1999.

O'Gorman MRG, Bianchi L, Zaas D, Corrochano V and Pachman LM. Decreased levels of CD54 (ICAM-1) Positive Lymphocytes in the peripheral blood in untreated patients with active juvenile dermatomyositis (JDM). *Clin Diag Immunol*, 7:693-697, 2000.

Pachman LM, Liotta-Davis M, Hong D, Kinsella TR, Mendez E, Kinder J and Chen EH. TNF α -308A allele in juvenile dermatomyositis-association with increased TNF α production, disease duration, and pathological calcifications. *Arthritis Rheum*, 43:2368-2377, 2000.

Klein-Gitelman MS, Waters T, Pachman LM. The economic impact of intermittent high-dose intravenous versus oral corticosteroid treatment of juvenile dermatomyositis. *Arthritis Care Res*, 13: 360-368, 2000.

Fedczyna TO, Lutz J, Pachman LM. Expression of TNF α by muscle fibers in biopsies from children with untreated juvenile dermatomyositis: association with the TNF α -308A allele. *Clin Immunol* 100:236-239, 2001.

Tezak Z, Hoffman EP, Lutz JL, Fedczyna TO, Stephan D, Bremer EG, Krasnoselska-Riz I, Kumar A, and Pachman LM. Gene expression profiling in DQA1*0501+ children with untreated dermatomyositis: A novel model of pathogenesis. *J Immunol*. 168:4154-4163, 2002.

Lutz M, Fedczyna T, Huwiler KG, Lechman TS, Crawford S and Pachman LM. Increased plasma thrombospondin-1 (TSP-1) levels are associated with the TNF α -308A allele in children with juvenile dermatomyositis (JDM). *Clin Immunol*, 103:250-263, 2002.

Massa M, Costouros N, Mazzoli F, DeBenedetti F, Bonnin D, Samodal R, Mendivil A, La Cava A, De Kleer I, Ravelli A, Liotta M, Pachman LM, Martini A, and Albani S. Self-epitopes shared between human skeletal myosin and *Streptococcus pyogenes* M5 protein are targets of immune responses in active juvenile dermatomyositis. *Arthritis Rheum*, 46: 3015-3025, 2002.

- Bode RK, Klein-Gitelman MS, Miller ML, Lechman TS and Pachman LM. Disease activity scores for children with Juvenile Dermatomyositis (JDM): Reliability and validity evidence. *Arthritis Care Res*, 49, 7-15, 2003.
- Mendez E, Lipton R, Dyer A, Ramsey-Goldman R, Roettcher P, Bowyer S, and Pachman LM. U.S. Incidence of JDM 1995-98: Results from the NIAMS Registry. *Arthritis Care Res*, 49: 300-305, 2003.
- *Uzel G, Pachman LM. Cytokines in juvenile dermatomyositis pathophysiology: potential and challenge. *Curr Opin Rheumatol.*, 15(6):691-697, 2003.
- Ruperto N, Ravelli A, Murray KJ, Lovell DJ, Andersson-Gare B, Feldman BM, Garay S, Kuis W, Machado C, Pachman L, Prieur AM, Rider LG, Silverman E, Tsitsami E, Woo P, Giannini EH, Martini A, For The Paediatric Rheumatology International Trials Organisation (PRINTO), The Pediatric Rheumatology Collaborative Study Group (PRCSG). Preliminary core sets of measures for disease activity and damage assessment in juvenile systemic lupus erythematosus and juvenile dermatomyositis. *Rheumatology (Oxford)*, 42: 1452-1459, 2003.
- Smith RL, Sundberg J, Shamiyah E, Dyer A, Pachman LM. Skin Involvement in Juvenile Dermatomyositis (JDM) is Associated with Loss of End Row Nailfold Capillary (NFC) Loops. *J Rheumatol*, 31:1644-1649, 2004
- Stock, SR, Ignatiev K, Lee, PL, Abbott, K, Pachman, LM. Pathological calcification in Juvenile Dermatomyositis (JDM): MicroCT and synchrotron x-ray diffraction reveal hydroxyapatite with varied microstructures *Calcified Tissue Res* 45: 248-256, 2004
- Pachman LM, Lipton R, Ramsey-Goldman R, Shamiyah E, Abbott K, Mendez EP, Dyer A, Mc Curdy D, Vogler L, Reed A, Cawkwell G, Zemel L, Sandborg C, Rivas-Chacon R, Hom C, Ilowite N, Gedalia A, Gitlin J, Borzy M. History of infection before the onset of Juvenile Dermatomyositis (JDM): results from the National Institute of Arthritis Muscle and Skin Diseases (NIAMS) Research Registry. *Arthritis Rheum* 53: 166-172, 2005.
- *Pachman, LM. Polymyositis and Dermatomyositis in Children. In: *The Oxford Textbook of Rheumatology*. (Ed) Maddison PJ, Isenberg DA, Woo P, Glass DN, Oxford University Press, Oxford; pp 914-921, 2004.
- Zhao P, Caretti G, Mitchell S, McKeenan WL, Boskey AL, Pachman LM, Sartorelli V, Hoffman EP. Fgfr4 is required for effective muscle regeneration in vivo: delineation of a MyoD-Tead2-Fgfr4 transcriptional pathway *JBC*, 281: 429- 438, 2006.
- Pachman LM, Abbott K, Sincore JM, Amoroso L, Dyer A, Lipton R, Ilowite N, Cawkwell G, White A, Rivas-Chacon R, Kumura Y, Ray L and Ramsey-Goldman, R. Duration of illness is an important variable for untreated children with juvenile dermatomyositis. *J Pediatr* 148: 247-253, 2006.
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- *Pachman LM, Boskey AL, Clinical Manifestations and Pathogenesis of Hydroxyapatite Crystal Deposition in Juvenile Dermatomyositis" *Curr Rheumatol Rep*. 8:236-243, 2006.
- Pachman, LM, Veis A, Stock, A, Abbott K, Vicari F, Byrd R, Giczewski D, Webb C, Spevak L, and Boskey AL. Composition of calcifications in children with juvenile dermatomyositis: association with chronic inflammation. *Arthritis Rheum*. 54 (10):3345-3350, 2006.
- Rouster-Stevens KA, Langman CB, Price HE, Seshadri R, Shore RM, Abbott K, Pachman LM. Receptor activator of nuclear factor- κ B ligand/osteoprotegerin and bone mineral density in untreated children with juvenile dermatomyositis. *Arthritis Rheum*, 56, (3): 977-983, 2007.
- *Book: "Myositis and You, a Handbook for Children and their Families"; Ed: Rider LG, Pachman LM, Miller FW, Bollar H. (8 chapters), The Myositis Association, Washington, DC 2007
- *Pachman, L.M. Juvenile Dermatomyositis, In: *Nelson's Textbook of Pediatrics*, 18th edition (Ed) RM Kliegman, RE Behrman, HB Jenson, BF Stanton. Elsevier Saunders, Philadelphia, PA 2007 pp 1019-1024.
- Zhao Y-D, Fedczyna TO, McVicker V, Caliendo J, Li H, Pachman, LM. Apoptosis Indices in the Skeletal Muscle of Juvenile Dermatomyositis: Impact of Duration of Untreated Disease *Clin Immunol*. 2007, 125(2):165-172. Epub 2007 Aug 20

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- Christen-Zäch S, Seshadri R, Sundberg J, Paller AS, Pachman, LM. Pathological nailfold capillaroscopy changes in Juvenile Dermatomyositis: association with duration of untreated disease, skin involvement over 36 months and a non-unicyclic disease course. Arthritis Rheum (in press, 2008)
- Feldman BM, Reed AM, Rider LG, Pachman, LM Juvenile dermatomyositis & other idiopathic inflammatory myopathies of childhood Lancet (in press, 2008)
- Rouster-Stevens KA, Gursahaney A, Ngai K-L, Daru JA, Pachman LM. Pharmacokinetic study of oral prednisolone compared with intravenous methylprednisolone in patients with juvenile dermatomyositis. Arthritis Care Res (in press, 2008)
- Sheshadri R, Feldman B, Ilowite N, Cawkwell GD, Pachman LM. The role of aggressive corticosteroid therapy in Juvenile Dermatomyositis: A Propensity score Analysis. Arthritis Care Res (in press, 2008).
- Rouster-Stevens KA, Pachman LM. Autoantibody to signal recognition particle in African-American girls. J Rheumatol (in press, 2008)