
BIOGRAPHICAL SKETCH

NAME Lowe, Robert Michael	POSITION TITLE Instructor, Pediatric Rheumatology
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EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Pennsylvania, Philadelphia, PA	B.A.	1992	Biology
University of Washington, Seattle, WA	Ph.D.	2003	Molecular & Cellular Biology
University of Washington, Seattle, WA	M.D.	2004	Medicine
Rainbow Babies and Children's Hospital, Cleveland, OH		2004-07	Resident, General Pediatrics
Rainbow Babies and Children's Hospital/ Cleveland Clinic, Cleveland, OH		2007-10	Fellow, Pediatric Rheumatology

A. Positions and Honors

1992 B.A. awarded with Distinction in Biology (Honors), University of Pennsylvania
 1993-2004 Medical Scientist Training Program (MSTP), University of Washington
 1995-97 ARCS Fellowship recipient
 2008 General Pediatrics Board Certification - American Board of Pediatrics
 2009, 2010 Fellows-In-Training Travel Scholarship (FITT), American College of Rheumatology
 2011 Pediatric Rheumatology Board Certification – American Board of Pediatrics
 2011-present Instructor, Department of Pediatrics, University of Alabama School of Medicine

Memberships in professional societies

American Association of Immunologists, Member
 American Academy of Pediatrics, Diplomate
 Pediatric Rheumatology Section, American College of Rheumatology, Member
 Alabama Society for the Rheumatic Diseases, Member

Selected peer-reviewed publications (in chronological order).**Research papers**

Mullen C.A., Coale, M.M., **Lowe, R.**, Blaese, R.M. 1994. Tumors expressing the cytosine deaminase suicide gene can be eliminated in vivo with 5-fluorocytosine and induce protective immunity to wild type tumor. *Cancer Res* **54**(6): 1503-6.

Mullen, C.A., Petropoulos, D., **Lowe, R.M.** 1996. Treatment of microscopic pulmonary metastases with recombinant autologous tumor vaccine expressing interleukin 6 and Escherichia coli cytosine deaminase suicide genes. *Cancer Res* **56**(6): 1361-6.

Lotfi, K., Sund, G., **Lowe, R.**, Graham, J., Landin-Olsson, M., Kockum, I., Deeb, S., Lernmark, A. 1997. The beta cell glucokinase promoter variant is an unlikely risk factor for diabetes mellitus. *Diabetes Incidence Study in Sweden (DISS)*. *Diabetologia* **40**(8): 959-62.

Lowe, R

Undlien, D. E., Kockum, I., Ronningen, K. S., **Lowe, R.**, Saanjeevi, C. B., Graham, J., Lie, B. A., Akselsen, H. E., Lernmark, A., Thorsby, E. 1999. HLA associations in type 1 diabetes among patients not carrying high-risk DR3-DQ2 or DR4-DQ8 haplotypes. *Tissue Antigens* **54**(6): 543-51.

Lowe, R. M., Graham, J., Sund, G., Kockum, I., Landin-Olsson, M., Schaefer, J. B., Torn, C., Lernmark, A., Dahlquist, G. 2000. The length of the CTLA-4 microsatellite (AT)_n-repeat affects the risk for type 1 diabetes. Diabetes Incidence in Sweden Study Group. *Autoimmunity* **32**(3): 173-80.

Graham, J., Hagopian, W. A., Kockum, I., Li, L. S., Sanjeevi, C. B., **Lowe, R. M.**, Schaefer, J. B.; Zarghami, M., Day, H. L., Landin-Olsson, M., Palmer, J. P., Janer-Villanueva, M., Hood, L., Sundkvist, G., Lernmark, A., Breslow, N., Dahlquist, G., Blohme, G. 2002. Genetic effects on age-dependent onset and islet cell autoantibody markers in type 1 diabetes. *Diabetes* **51**(5): 1346-55.

Singer, N. G., Tomanova-Soltys, I., **Lowe, R.M.** 2008. Sjogren's syndrome in childhood. *Curr Rheumatol Rep* **10**(2): 147-55.

Lowe, R.M. and Hashkes, P.J. 2008. Growing pains: A non-inflammatory pain syndrome in children. *Nature Clin Practice Rheum.* **4**(10):542-9.

Zhang, M., Clausell, A., Robinson, T., Yin, J., Chen, E., Johnson, L., Weiss, G., Sabbaj, S., **Lowe, R.M.**, Wagner, F.H., Goepfert, P.A., Kutsch, O., and Cron, R.Q. 2012. Host factor transcriptional regulation contributes to preferential expression of HIV type 1 in IL-4-producing CD4 T cells. *J Immunol.* **189**(6):2746-57.

Grants

UAB Pediatrics Children's Health Foundation/Kaul Pediatric Research Institute, "Gene Replacement Therapy for the Treatment of X-Linked Hyper-IgM Syndrome", Principal Investigator: Dr. Robert Lowe, 2012-2014, \$60,000

Creative and Novel Ideas in HIV Research (National Institutes of Health Center for AIDS Research), "Role of FoxP3 in Blocking Transcriptional Activation of HIV-1 LTR in Treg Cells", Principal Investigator: Dr. Robert Lowe, 2012-2014, \$300,000

UAB Pediatrics CHRC, "Epigenetic Regulation of the CD154 Gene in Children and Adults with Lupus", Principal Investigator: Dr. Robert Lowe, 2012-2015, \$300,000

Arthritis Foundation, "Epigenetic Regulation of CD154 Gene Expression", Principal Investigator: Dr. Robert Lowe, 2012-2014, \$100,000