

# CURRICULUM VITAE

**Terrance Patrick O'Hanlon**

## PERSONAL INFORMATION

**Home Address** 11504 Rambling Pines Place  
Hagerstown, Maryland 21742  
Phone: 301-766-0852

**Social Security** upon request

**Citizenship** United States

## PROFESSIONAL EXPERIENCE

**Biologist** (GS-0401-12)

**07/2000 – Present**; National Institutes of Health / NIEHS, Bethesda, MD USA

**Biologist / Research Associate** (GS-0401-12)

**03/1997 - 07/2000**; Food and Drug Administration/ CBER, Division of Monoclonal Antibodies, Bethesda, MD USA

**Staff Scientist / Assistant Professor of Medicine (adj.)**

**08/1995 - 02/1997**; Richland Memorial Hospital, Center for Cancer Research and Treatment and University of South Carolina School of Medicine, Columbia, SC USA

**(Senior) Staff Fellow**

**04/1992 - 07/1995**; Food and Drug Administration/ CBER, Division of Cellular and Gene Therapies, Bethesda, MD USA

## EDUCATION

**1986 - 1992**

**Ph.D., Molecular and Cellular Biology**

Roswell Park Cancer Institute  
State University of New York at Buffalo  
3.60 GPA

*Thesis:* Tissue-Specific Expression of the Rat  $\beta$ -Galactoside  $\alpha$ 2,6-Sialyltransferase Gene

**1982 - 1986**

**B.S. (Advanced Honors), Microbiology and Chemistry**

State University of New York at Plattsburgh  
3.68 GPA (Cum laude)

## PROFESSIONAL AFFILIATIONS / DUTIES

*NIH Extramural Grant Review Panel* (NIAID, RFA AI-04-039) “HLA Region Genetics in Immune-Mediated Diseases” (2009, *invited*)

*Associate Investigator*, NIEHS Clinical Protocols 03-E-0099 (Twin-Sibs Discordant for Rheumatic Disease), 05-E-N200 (Studies of the Natural History and Pathogenesis of Autoimmune/Connective Tissue Diseases), 07-E-0012 (Rituximab in the Treatment of Myositis), 11-E-0072 (Environmental Risk Factors for the Anti-synthetase Syndrome)

*Member*, International Myositis Genetics Consortium (MYOGEN), American Society for Histocompatibility and Immunogenetics (ASHI), American Association for the Advancement of Science (AAAS), American Association of Immunologists (AAI), NIH Mandatory Training Working Group, NIH/NCI Science Education Program (Elementary Outreach)

*Reviewer* (invited, ad-hoc), Journals: Arthritis and Rheumatism, Human Immunology, Arthritis Care and Research, Biomarkers in Medicine, Tissue Antigens, Critical Reviews in Immunology, Annals of the Rheumatic Diseases, ISRN Immunology, International Journal of Clinical Immunology, Pediatrics, BMC Medical Genetics

*Editorial Board*, Open Rheumatology Journal (*invited*)

## **HONORS / AWARDS**

NIH Staff Recognition Award for Performance Excellence (2002-2010)

FDA Reward & Recognition Award (1998-1999)

FDA Staff Fellowship (1992-1995)

Phi Eta Sigma National Honor Society

Advanced Honors Award (1986)

Cum laude (1986)

Dean's List , State University of New York (1982-1986)

## **PEER-REVIEWED PUBLICATIONS (Research Articles)**

1. **O'Hanlon, T.P.**, Lau, K.M., Wang, X.C. and Lau, J.T.Y. (1989) Tissue-Specific Expression of  $\beta$ -Galactoside  $\alpha$ 2,6-Sialyltransferase: Transcript Heterogeneity Predicts a Divergent Polypeptide. *Journal of Biological Chemistry* 264: 17389-17394.
2. Wang, X.C., **O'Hanlon, T.P.** and Lau, J.T.Y. (1989) Regulation of  $\beta$ -Galactoside  $\alpha$ 2,6-Sialyltransferase Gene Expression by Dexamethasone. *Journal of Biological Chemistry* 264: 1854-1859.
3. Wang, X.C., **O'Hanlon, T.P.**, Young, R.F. and Lau, J.T.Y. (1990) Rat

$\beta$ -Galactoside  $\alpha$ 2,6-Sialyltransferase Genomic Organization: Alternate Promoters Direct the Synthesis of Liver and Kidney Transcripts. *Glycobiology* 1: 25-31.

4. **O'Hanlon, T.P.** and Lau, J.T.Y. (1992) Analysis of Kidney mRNAs Expressed from the Rat  $\beta$ -Galactoside  $\alpha$ 2,6-Sialyltransferase Gene. *Glycobiology* 2: 257-266.
5. **O'Hanlon, T.P.**, Dalakas, M.C., Plotz, P.H. and Miller, F.W. (1994) Predominant  $\alpha\beta$  T Cell Receptor Variable and Joining Gene Expression by Muscle-Infiltrating Lymphocytes in the Idiopathic Inflammatory Myopathies. *Journal of Immunology* 152: 2569-2576.
6. **O'Hanlon, T.P.**, Dalakas, M.C., Plotz, P.H. and Miller, F.W. (1994) The  $\alpha\beta$  T Cell Receptor Repertoire in Inclusion Body Myositis: Diverse Patterns of Gene Expression by Muscle-Infiltrating Lymphocytes. *Journal of Autoimmunity* 7: 321-333.
7. **O'Hanlon, T.P.**, Raben, N. and Miller, F.W. (1995) A Novel Gene Oriented in a Head-to-Head Configuration with the Human Histidyl-tRNA Synthetase (HRS) Gene Encodes an mRNA that Predicts a Polypeptide Homologous to HRS. *Biochemical and Biophysical Research Communications* 210: 556-566.
8. **O'Hanlon, T.P.**, Messersmith, W., Dalakas, M.C., Plotz, P.H. and Miller, F.W. (1995)  $\gamma\delta$  T Cell Receptor Gene Expression by Muscle-Infiltrating Lymphocytes in Idiopathic Inflammatory Myopathies. *Clinical and Experimental Immunology* 100: 519-528.
9. Rider, L.G., Gurley, R.C., Pandey, J.P., Garcia-de la Torre, I., Kalovidouris, A.E., **O'Hanlon, T.P.**, Love, L.A., Hennekam, R.C., Baumbach, L.L., Neville, H.E., Garcia, C.A., Klingman, J., Gibbs, M., Weisman, M.H., Targoff, I.N. and Miller, F.W. (1998) Clinical, Serologic, and Immunogenetic Features of Familial Idiopathic Inflammatory Myopathy. *Arthritis and Rheumatism* 41: 710-719.
10. Rider, L.G., Shamim, E., Okada, S., Pandey, J.P., Targoff, I.N., **O'Hanlon, T.P.**, Han, H., Kim, H.A., Lim, Y.S., Song, Y.W. and Miller, F.W. (1999) Genetic Risk Factors for Idiopathic Inflammatory Myopathy in Koreans and Caucasians: A Tale of Two Loci. *Arthritis and Rheumatism* 42: 1285-1290.
11. Lamb, L.S., Gee, A.P., Hazlett, L.J., Musk, P., Parrish, R.S., **O'Hanlon, T.P.**, Geier, S.S., Folk, R.S., Harris, W.G., McPherson, K., Lee, C. and Henslee-Downey, P.J. (1999) Influence of T Cell Depletion Method on Circulating  $\gamma\delta$  T Cell Reconstitution and Potential Role in the Graft Verses Leukemia Effect. *Cytotherapy* 1: 7-19.
12. **O'Hanlon, T.P.**, Lawless, O.J., Katzin, W.E., Feng, L.J. and Miller, F.W. (2000) Restricted and Shared Patterns of TCR  $\beta$ -chain Gene Expression in Silicone

Breast Implant Capsules and Remote Sites of Tissue Inflammation. *Journal of Autoimmunity* 14: 247-257.

13. **O'Hanlon, T.P.** and Miller, F.W. (2002) Genomic Organization, Transcriptional Mapping, and Evolutionary Implications of the Human Bi-directional Histidyl-tRNA Synthetase Locus (HARS / HARSL). *Biochemical and Biophysical Research Communications* 294: 609-614.
14. Shamim, E.A., Rider, L.G., Pandey, J.P., **O'Hanlon, T.P.**, Jara, L.J., Samayoa, E.A., Burgos-Vargas, R., Vazquez-Mellado, J., Alcocer-Varela, J., Salazar-Paramo, M., Garcia- Kutzbach, A., Malley, J.D., Targoff, I.N., Garcia-De La Torre, I. and Miller, F.W. (2002) Differences in Idiopathic Inflammatory Myopathy Phenotypes and Genotypes between Mesoamerican Mestizos and North American Caucasians: Ethnogeographic Influences in the Genetics and Clinical Expression of Myositis. *Arthritis and Rheumatism* 46: 1885-1893.
15. Okada, S., Weatherhead, E., Targoff, I.N., Wesley, R. and Miller, F.W., for the International Myositis Collaborative Study Group (**O'Hanlon, T.P.**). (2003) Global Surface Ultraviolet Radiation Intensity may modulate the Clinical and Immunologic Expression of Autoimmune Muscle Disease. *Arthritis and Rheumatism* 48: 2285-2293.
16. Artlett, C.M., **O'Hanlon, T.P.**, Lopez, A.M., Song, Y.K., Miller, F.W. and Rider, L.G. for the Childhood Myositis Heterogeneity Collaborative Study Group (2003) HLA-DQA1 is not an Apparent Risk Factor for Microchimerism in various Autoimmune Diseases and Healthy Individuals. *Arthritis and Rheumatism* 48: 2567-2572.
17. **O'Hanlon, T.P.**, Koneru, B., Bayat, E., Love, L., Targoff, I., Malley, J., Malley, K. and Miller, F.W. (2004) Immunogenetic Differences between Caucasian Women who Develop Myositis with and without Silicone Implants. *Arthritis and Rheumatism* 50: 3646-3650.
18. **O'Hanlon, T.P.**, Carrick, D.M., Arnett, F.C., Reveille, J.D., Carrington, M., Gao, X., Oddis, C.V., Morel, P.A., Malley, J.D., Malley, K., Dreyfuss, J., Shamim, E.A., Rider, L.G., Chanock, S.J., Foster, C.B., Bunch, T., Plotz, P.H., Love, L.A. and Miller, F.W. (2005) Immunogenetic Risk and Protective Factors for the Idiopathic Inflammatory Myopathies: distinct HLA-A, -B, -Cw, -DRB1 and -DQA1 allelic profiles and motifs define clinicopathologic groups in caucasians. *Medicine (Baltimore)* 84: 338-349.
19. **O'Hanlon, T.P.**, Carrick, D.M., Targoff, I.N., Arnett, F.C., Reveille, J.D., Carrington, M., Gao, X., Oddis, C.V., Morel, P.A., Malley, J.D., Malley, K., Shamim, E.A., Rider, L.G., Chanock, S.J., Foster, C.B., Bunch, T., Blackshear, P.J., Plotz, P.H., Love, L.A. and Miller, F.W. (2006) Immunogenetic Risk and Protective Factors for the Idiopathic Inflammatory Myopathies: distinct HLA-A, -B, -Cw, -DRB1 and -DQA1 allelic profiles distinguish European American patients

with different myositis autoantibodies. *Medicine* (Baltimore) 85: 111-127.

20. **O'Hanlon, T.P.**, Rider, L.G., Mamyrova, G., Targoff, I.N., Arnett, F.C., Reveille, J.D., Carrington, M., Gao, X., Oddis, C.V., Morel, P.A., Malley, J.D., Malley, K., Shamim, E.A., Chanock, S.J., Foster, C.B., Bunch, T., Love, L.A. and Miller, F.W. (2006) HLA Polymorphisms in African Americans with Idiopathic Inflammatory Myopathies: allelic profiles distinguish patients with different clinical phenotypes and myositis autoantibodies. *Arthritis and Rheumatism* 54: 3670-3681.
21. Targoff, I.N., Mamyrova, G., Trieu, E.P., Perurena, O., Koneru, B., **O'Hanlon, T.P.**, Miller, F.W. and Rider, L.G. (2006) A novel Autoantibody to a 155-kd Protein is Associated with Dermatomyositis. *Arthritis and Rheumatism* 54: 3682-3689.
22. Mamyrova, G., **O'Hanlon, T.P.**, Monroe, J.B., Carrick, D.M., Malley, J.D., Adams, S., Reed, A.M., Shamim, E.A., James-Newton, L., Miller, F.W. and Rider, L.G. for the Childhood Myositis Heterogeneity Collaborative Study Group. (2006) Immunogenetic Risk and Protective Factors for Juvenile Dermatomyositis in Caucasians. *Arthritis and Rheumatism* 54: 3979-3987.
23. Leora J. Vegosen, Clarice R. Weinberg, **Terrance P. O'Hanlon**, Ira N. Targoff, Frederick W. Miller, and Lisa G. Rider (2007) Seasonal Birth Patterns in Subgroups of Myositis Suggest a Role for Early Environmental Exposures in Etiology. *Arthritis Rheum.* 56(8): 2719–2728.
24. Gyorgy Csako, Rene Costello, Ejaz A Shamim, **Terrance P O'Hanlon**, Anthony Tran, Daniel J Clauw, H James Williams and Frederick W Miller (2007) Serum proteins and paraproteins in women with silicone implants and connective tissue disease: a case–control study. *Arthritis Research & Therapy* 9:R95.
25. April Bingham MD, Gulnara Mamyrova MD, PhD, Kristina I. Rother MD, Elif Oral MD, Elaine Cochran MSN, Ahalya Premkumar MD, David Kleiner MD, Laura James-Newton, PhD , Ira N. Targoff MD, Janardan P. Pandey PhD, Danielle Mercatante Carrick PhD, Nancy Sebring MEd, RD, **Terrance P. O'Hanlon** PhD, Maria Ruiz Hidalgo PhD, Maria Turner MD, Leslie B. Gordon MD, PhD, Jorge Laborda PhD, Steven R. Bauer PhD, Perry J. Blackshear MD, DPhil, Lisa Imundo MD, Frederick W. Miller MD, PhD, Lisa G. Rider MD for the Childhood Myositis Heterogeneity Study Group (2008) Predictors of Acquired Lipodystrophy in Juvenile-Onset Dermatomyositis and a Gradient of Severity. *Medicine* (Baltimore) 87(2): 70-86.
26. Gulnara Mamyrova MD, PhD, **Terrance P. O'Hanlon** PhD, Laura Sillers AB, Karen Malley BA, Laura James-Newton PhD, RN, Christina G. Parks PhD, Glinda S. Cooper PhD, Janardan P. Pandey PhD, Frederick W. Miller MD, PhD, Lisa G. Rider MD for the Childhood Myositis Heterogeneity Collaborative Study Group (2008) Cytokine Gene Polymorphisms as Risk and Severity Factors for

Juvenile Dermatomyositis. *Arthritis and Rheumatism* 58(12): 3941-3950.

27. **Terrance P. O'Hanlon** PhD, Lisa G. Rider MD, Ira N. Targoff MD, J, Karen Malley BA, Janardan P. Pandey PhD, Adam Schiffenbauer and Frederick W. Miller MD, PhD (2008) Immunoglobulin Gene Polymorphisms in the Idiopathic Inflammatory Myopathies: GM and KM Profiles Distinguish Patients by Age, Race, Clinical Phenotypes and Myositis Autoantibodies. *Arthritis and Rheumatism* 58(10): 3239-3246.
28. Javierre BM, Fernandez AF, Richter J, Al-Shahrour F, Martin-Subero JI, Rodriguez-Ubreva J, Berdasco M, Fraga MF, **O'Hanlon TP**, Rider LG, Jacinto FV, Lopez-Longo FJ, Dopazo J, Forn M, Peinado MA, Carreño L, Sawalha AH, Harley JB, Siebert R, Esteller M, Miller FW, Ballestar E (2010) Changes in the pattern of DNA methylation associated with twin discordance in systemic lupus erythematosus. *Genome Res.* 20(2):170-179.
29. **O'Hanlon TP**, Rider LG, Gan L, Fannin R, Paules RS, Umbach DM, Weinberg CR, Shah RR, Mav D, Gourley MF, Miller FW (2011) Gene expression profiles from discordant monozygotic twins suggest that molecular pathways are shared among multiple systemic autoimmune diseases. *Arthritis Res. Ther.* 13(2):R69 [Epub ahead of print].
30. **O'Hanlon TP**, Li, Z, Gan L, Gourley MF, Rider, LG, Miller FW (2011) Plasma Proteomic Profiles from Disease-Discordant Monozygotic Twins Suggest that Molecular Pathways are Shared in Multiple Systemic Autoimmune Diseases. *Arthritis Res. Ther.* 13(6):R181.
31. Forsberg LA, Rasi C, Razzaghi HR, Pakalapati G, Waite L, Thilbeault KS, Ronowicz A, Wineinger NE, Tiwari HK, Boomsma D, Westerman MP, Harris JR, Lyle R, Essand M, Eriksson F, Assimes TL, Iribarren C, Strachan E, **O'Hanlon TP**, Rider LG, Miller FW, Giedraitis V, Lannfelt L, Ingelsson M, Piotrowski A, Pedersen NL, Absher D, Dumanski JP (2012) Age-related somatic structural changes in the nuclear genome of human blood cells. *Am J Hum Genet.* 90(2):217-28.
32. Shah M, Mamyrova G, Targoff IN, Huber AM, Malley JD, Rice MM, Miller FW, Rider LG; (**O'Hanlon, TP** as part of the Childhood Myositis Heterogeneity Collaborative Study Group) (2013) The clinical phenotypes of the juvenile idiopathic inflammatory myopathies. *Medicine (Baltimore)* 92(1):25-41.

## INVITED ARTICLES, REVIEWS, BOOK CHAPTERS

1. Lau, J.T.Y. and **O'Hanlon, T.P.** (1992). Molecular Biology of Glycosyltransferases and Glycosidases. *In: Glycoconjugates: Composition, Structure, and Function*. H.J. Allen and E.C. Kisailus, eds. (New York: Marcel-Dekker, Inc.), pp. 499-520.
2. Plotz, P.H., Rider, L., Targoff, I., Raben, N., **O'Hanlon, T.P.** and Miller, F.W. (1995) Myositis: Immunologic Contributions to Understanding Etiology, Pathogenesis, and Therapy (Clinical Staff Conference, National Institutes of Health). *Annals of Internal Medicine* 122: 715-724.
3. **O'Hanlon, T.P.**, Dalakas, M.C., Plotz, P.H. and Miller, F.W. (1995) The  $\alpha\beta$  T Cell Receptor Repertoire in Idiopathic Inflammatory Myopathies: Distinct Patterns of Gene Expression by Muscle-Infiltrating Lymphocytes in Different Clinical and Serologic Groups. *Annals of the New York Academy of Sciences* 756: 410-413.
4. **O'Hanlon, T.P.** and Miller, F.W. (1995) T Cell-Mediated Immune Mechanisms in Myositis. *Current Opinion in Rheumatology* 7: 503-509.
5. **O'Hanlon, T.P.**, Okada, S., Love, L.A., Dick, G., Young, V.L. and Miller, F.W. (1996) Immunohistopathology and T Cell Receptor Gene Expression in Capsules Surrounding Silicone Breast Implants. *Current Topics in Microbiology and Immunology* 210: 237-242.
6. S.J. Chanock, C.B. Foster, F.W. Miller and **T.P. O'Hanlon** (2004) HLA-A, -B, -Cw, -DQA1 and -DRB1 alleles in a Caucasian population from Bethesda, USA *Human Immunology*, 65: 1211-1223.
7. F.C. Arnett, J.D. Reveille and **T.P. O'Hanlon** (2004) HLA-DRB1 alleles in a Caucasian population from Houston, USA *Human Immunology*, 65: 1238-1241.
8. C.V. Oddis, P. Morel and **T.P. O'Hanlon** (2004) HLA-DRB1 alleles in a Caucasian population from Pittsburgh, USA *Human Immunology*, 65: 1241-1244.
9. S.J. Chanock, C.B. Foster, F.W. Miller and **T.P. O'Hanlon** (2004) HLA-A, -B, -Cw, -DQA1 and DRB1 in an African American population from Bethesda, USA *Human Immunology*, 65: 1223-1235.
10. **O'Hanlon, T.P.** and Miller, F.W. (2006) The Idiopathic Inflammatory Myopathies (IIM): HLA polymorphisms distinguish patients with different clinical phenotypes and myositis-specific autoantibodies. *American Society for Histocompatibility and Immunogenetics (ASHI) Quarterly* 30: 98-100.
11. **O'Hanlon, T.P.** and Miller, F.W. (2009) Genetic Risk and Protective Factors for the Idiopathic Myopathies. *Current Rheumatology Reports*, 11: 287-295.
12. **O'Hanlon, T.P.** Finding Targets for Treatment of Inflammatory Myopathy. *Proimmune News*, July 2011, p. 8 (invited editorial).

## INVITED PRESENTATIONS

1. Plotz, P.H., Rider, L., Targoff, I., Raben, N., **O'Hanlon, T.P.** and Miller, F.W. (1993) New Contributions of Immunology to Understanding the Etiology and Pathogenesis of Myositis. Combined Clinical Staff Conference, National Institutes of Health, Bethesda, MD.
2. **O'Hanlon, T.P.**, Okada, S., Love, L.A., Dick, G., Young, V.L. and Miller, F.W. (1995) Immunohistopathology and T Cell Receptor Gene Expression in Capsules of Silicone Implants. Immunology of Silicone Workshop, National Institutes of Health, Bethesda, MD.
3. **O'Hanlon, T.P.**, Lawless, O., Ojo-Amaize, E., Young, L., Love, L. and Miller, F.W. (1997) Restricted and Shared Patterns of T Cell Receptor (TCR) Gene Expression in Silicone Breast Implant (SBI) Capsules and Other Inflammatory Tissues from Women with SBIs. FDA Forum on the Regulatory Sciences, National Institutes of Health, Bethesda, MD.
4. **O'Hanlon, T.P.** (2003) Immunology of Silicones. Presented at the International Symposium on Indoor Air Quality and Health Hazards, Tokyo, Japan.
5. **O'Hanlon, T.P.** (2003) Immunologic Aspects of Silicone Breast Implants. Presented at the National Organization of Women's Conference on the Safety and Effectiveness of Silicone Breast Implants, Washington, D.C.
6. **O'Hanlon, T.P.** (2003) Immunology of Silicone Breast Implants. Sub-Committee on Women's Health, U.S. Congressional Briefing, Washington, D.C.
7. **O'Hanlon, T.P.** (2009) Molecular Genetics of Human Autoimmune Disease. University of the District of Columbia, Washington, D.C.
8. **O'Hanlon, T.P.** (2010) Proteomic and Gene Expression Arrays Suggest Shared Altered Pathways in Multiple Autoimmune Diseases. Symposium on "Use of Molecular Profiles and Biomarkers in Translational Research. NIH Research Festival, Bethesda, MD.
9. **O'Hanlon, T.P.** (2011) Immunologic, Genetic and Environmental Aspects of the IIM. NIAMS Clinical Immunology Program. NIH Clinical Research Center, Bethesda, MD.

## PUBLISHED ABSTRACTS

1. **O'Hanlon, T.P.** and Lau, J.T.Y. (1988) Tissue-Specific Distribution of Gal $\beta$ 1,4GlcNAc  $\alpha$ 2,6-Sialyltransferase. *Journal of Cell Biology* 107: 4854. Joint



Meeting of the American Society for Biochemistry and Molecular Biology and the American Society for Cell Biology, San Francisco, CA.

2. Wang, X.C., **O'Hanlon, T.P.** and Lau, J.T.Y. (1988) Dexamethasone Induction of Sialyltransferase Gene Expression in Rat Hepatoma Cells. *Journal of Cell Biology* 107: 4855. Joint Meeting of the American Society for Biochemistry and Molecular Biology and the American Society for Cell Biology, San Francisco, CA.
3. Lau, J.T.Y., **O'Hanlon, T.P.** and Wang, X.C. (1990) Molecular Pathways that Dictate Gal $\beta$ 1,4GlcNAc  $\alpha$ 2,6-Sialyltransferase Gene Expression. Annual Meeting of the Society for Complex Carbohydrates Meeting, San Diego, CA.
4. **O'Hanlon, T.P.**, Dalakas, M.C., Plotz, P.H. and Miller, F.W. (1993) Predominant T Cell Receptor (TCR) V $\alpha$ , V $\beta$ , and J $\beta$  Gene Usage in Muscle of Patients with Idiopathic Inflammatory Myopathies (IIM). *Arthritis and Rheumatism* 36: 22P. Southwest Regional Meeting of the American College of Rheumatology, Washington, D.C.
5. **O'Hanlon, T.P.**, Dalakas, M.C., Plotz, P.H. and Miller, F.W. (1994) The  $\alpha\beta$  T Cell Receptor (TCR) Repertoire in Idiopathic Inflammatory Myopathies (IIM): Distinct Patterns of Gene Expression by Muscle-Infiltrating Lymphocytes in Different Clinical and Serologic Groups. Conference of the New York Academy of Sciences, San Diego, CA.
6. **O'Hanlon, T.P.**, Raben, N., and Miller, F.W. (1995) The Human Histidyl-tRNA Synthetase Locus: A Bidirectional Promoter Directs the Synthesis of an Opposite-Strand mRNA that Predicts a Polypeptide Homologous to Histidyl-tRNA Synthetase. *The FASEB Journal* 9: 4970. Experimental Biology Meeting, Atlanta, GA.
7. Lamb, L.S., King, S.M., Folk, R.S., Pati, A.R., **O'Hanlon, T.P.**, Geier, S.S., Johnson, K., Henslee-Downey, P.J. and Gee, A.P. (1996) T Lymphocyte Reconstitution Following Preemptive Donor Leukocyte Infusion Therapy for Patients at High Risk for Relapse Following T Cell Depleted Bone Marrow Transplantation from a Partially Mismatched Related Donor. International Society for Experimental Hematology, New York, NY.
8. Lamb, L.S., Gee, A.P., Musk, P., **O'Hanlon, T.P.**, Hazlett, L.J., Geier, S.S., Folk, R.S., Harris, W.G., McPherson, K., Parrish, R.S., Lee, C. and Henslee-Downey, P.J. (1998) Influence of T Cell Depletion Method on Circulating  $\gamma\delta$  T Cell Reconstitution and Potential Role in the Graft Versus Leukemia Effect. *Blood* 92: 2028. The American Society of Hematology, Miami Beach, FL.
9. **O'Hanlon, T.P.**, Lawless, O. and Miller, F.W. (1999) Histopathology and T Cell Receptor (TCR) Gene Expression in Silicone Breast Implant (SBI) Capsules and Other Inflammatory Tissues. *The FASEB Journal* 13: A1130. Experimental

Biology Meeting, Washington, DC.

10. Shamim, E.A., Rider, L.G., **O'Hanlon, T.P.**, Burgos Vargas, R., Vazquez-Mellado, J., Varela, J.A., Samayoa, E., Kutzbach, A., Plotz, P., Targoff, I.N., Garcia de la Torre, I. and Miller, F.W. (1999) Clinical, Serologic, and Genetic Differences between U.S. Caucasians and Meso-americans with Idiopathic Inflammatory Myopathy (IIM). *Arthritis and Rheumatism* 42: S1993. American College of Rheumatology, Boston, MA.
11. Shamim, E.A., Rider, L.G., **O'Hanlon, T.P.**, Wise, R., Mendez, E., Pachman, L.M. and Miller, F.W. (2000) Demographic and Clinical Features of Persons who Develop Myositis Following Immunizations. Third Annual Conference on Vaccine Research, Washington, DC.
12. Shamim, E.A., Rider, L.G., **O'Hanlon, T.P.**, Samayoa, E.A., Jara Quezada, L.J., Burgos Vargas, R., Vazquez-Mellado, J., Alcocer Varela, J., Targoff, I.N., Garcia de la Torre, I. and Miller, F.W. (2000) Differing Gender Ratios and Genetic Risk Factors for Idiopathic Inflammatory Myopathy (IIM) between Adults and Children in Meso-America (MesoA) Suggest that Pathogenic Mechanisms may Change with Age in Some Locations Around the World. *Arthritis and Rheumatism* 43: S779. American College of Rheumatology, Philadelphia, PA.
13. Shamim, E., Koneru, B., Mamyrova, G., **O'Hanlon, T.P.**, Bayat, E., Wise, R., Rider, L. and Miller F.W. (2003) Clinical and Serologic Features of Myositis Developing after Vaccinations. *Neurology* 62: A499. American Academy of Neurology, San Francisco, CA.
14. **O'Hanlon, T.P.**, Koneru, B., Bayat, E., Pandey, J., Targoff, I., Malley, J., Malley, K. and Miller, F.W. (2004) Genotypic Differences between Caucasian Women who Develop Myositis with and without Silicone Implants. *The FASEB Journal* 18: A843. Experimental Biology Meeting, Washington, DC.
15. Mamyrova, G., **O'Hanlon, T.P.**, Reed, A., James-Newton, L., Sherry, D., Wallace, C., Lindsley, C., Perez, M., Henrickson, M., Rivas-Chacon, R., Higgins, G., Katona, I., Olson, J., Miller, F.W. and Rider, L.G. (2004) HLA DRB1\*0301 and DQA1\*0301 are Independent and Synergistic Genetic Risk Factors for Juvenile Dermatomyositis (JDM) in Caucasians. *Arthritis and Rheumatism* 50: S668. American College of Rheumatology, San Antonio, TX.
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