

## ALPER YILMAZ

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### EDUCATION

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- B.S. Molecular Biology and Genetics, Bilkent University, Ankara, Turkey, 1996-2000
- Ph.D. Molecular Virology, The Molecular, Cellular and Developmental Biology Graduate Program at the Ohio State University, Columbus, OH, 2000-2007

### EXPERIENCE IN RESEARCH AND TEACHING

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- Teaching Assistantship The Ohio State University, Bio 113 and Bio 114, 2001
- Graduate Research Associate The Ohio State University, Molecular, Cellular and Development Biology Graduate Program, Columbus, OH, 2000-2007

### PEER REVIEWED PUBLICATIONS

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- **Yilmaz, A.**, Bolinger, C., Boris-Lawrie, K. 2006. Retrovirus translation initiation: Issues and hypotheses derived from study of HIV-1. *Current HIV Research* 4:131-139.
- **Yilmaz, A.**, Fernandez, S., Lairmore, M.D, Boris-Lawrie, K. 2006. Coordinated enhancement of transgene transcription and translation in a lentiviral vector. *Retrovirology* 3:13
- Bolinger, C., **Yilmaz, A.**, Hartman, T.R., Kovacic, M.B., Fernandez, S., Ye, J., Forget, M., Green, P.L., Boris-Lawrie, K. 2007. RNA helicase A interacts with divergent lymphotropic retroviruses and promotes translation of human T-cell leukemia virus type 1. *Nucleic Acids Res.* 35:2629
- Nadella, M.V.P., Kisseberth, W.C., Nadella, K.S., Thudi, N.K., Thamm, D.H., McNiel, E.A., **Yilmaz, A.**, Boris-Lawrie, K., Rosol, T.J. 2007. NOD/SCID Mouse Model of Canine T-cell Lymphoma with Humoral Hypercalcemia of Malignancy: Cytokine Gene Expression Profiling and In Vivo Bioluminescent Imaging. *Veterinary and Comparative Oncology* (in press)

### ABSTRACTS

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- Yilmaz, A., Boris-Lawrie, K. 2002. Employment of a Post-transcriptional Control Element to Optimize Retroviral Vector Gene Expression. Rustbelt RNA Meeting, Mt. Sterling, OH.
- Yilmaz, A., Boris-Lawrie, K. 2003. Employment of Retroviral Translational Enhancer to Improve Retroviral Vector Gene Expression. 5th Annual Comprehensive Cancer Center Scientific Meeting, Dublin, OH.
- Yilmaz, A., Boris-Lawrie, K. 2003. Employment of SNV Post-Transcriptional Control Element to Improve Retroviral Vector Gene Expression. 28th Cold Spring Harbor International Meeting on Retroviruses, Cold Spring Harbor, NY.
- Yilmaz, A., Boris-Lawrie, K. 2003. Employment of a Post-Transcriptional Control Element to Optimize Retroviral Vector Gene Expression. College of Veterinary Medicine Research Day, The Ohio State University, Columbus, OH.
- Yilmaz, A., Hull, S., Sura, R., Roberts, T. and Boris-Lawrie, K. 2004. Post-Transcriptional Control Element in RU5 Is Necessary For Balanced Expression of Spleen Necrosis Virus Genome. 6th Annual Comprehensive Cancer Center Scientific Meeting, Worthington, OH.

## ABSTRACTS (*continued*)

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- Yilmaz, A., Hull, S., Sura, R., Roberts, T. and Boris-Lawrie, K. 2004. Post-Transcriptional Control Element in RU5 Is Necessary For Balanced Expression of Spleen Necrosis Virus Genome. 29th Cold Spring Harbor International Meeting on Retroviruses, Cold Spring Harbor, NY.
- Yilmaz, A., Hull, S., Sura, R., Roberts, T. and Boris-Lawrie, K. 2004. Post-Transcriptional Control Element in RU5 Is Necessary For Balanced Expression Of Spleen Necrosis Virus Genome. College of Veterinary Medicine Research Day, The Ohio State University, Columbus, OH.
- Yilmaz, A., Boris-Lawrie, K. 2005. Translational Control of HIV-1 Transcripts in Infected T Lymphocytes. 7th Annual Comprehensive Cancer Center Scientific Meeting, Worthington, OH.
- Yilmaz, A., Boris-Lawrie, K. 2005. Translational Control of HIV-1 Transcripts in Infected T Lymphocytes. College of Veterinary Medicine Research Day, The Ohio State University, Columbus, OH.
- Bolinger, C., Yilmaz, A., and Boris-Lawrie, K. 2005. Analysis of Retroviral IRES-like Elements and their Involvement in Translation Initiation during Cell Cycle Arrest. Rustbelt RNA Meeting, Mt. Sterling, OH
- Yilmaz, A., Boris-Lawrie, K. 2006. Does HIV-induced G2 arrest differentially modulate viral and host cell translation? 8th Annual Comprehensive Cancer Center Scientific Meeting, Worthington, OH.
- Yilmaz, A., Boris-Lawrie, K. 2006. Does HIV-induced G2 arrest differentially modulate viral and host cell translation? College of Veterinary Medicine Research Day, The Ohio State University, Columbus, OH.
- Yilmaz, A., Boris-Lawrie, K. 2006. Does HIV-induced G2 arrest differentially modulate viral and host cell translation? 31st Cold Spring Harbor International Meeting on Retroviruses, Cold Spring Harbor, NY. (**Oral Presentation**)
- S Qian, Yilmaz, A., X Zhong, B Ding, K Boris-Lawrie. 2006. Profiling the cellular microRNAs induced by human immunodeficiency virus replication. OSU Comprehensive Cancer Center 8th Annual Scientific Meeting. Columbus, OH.
- Yilmaz, A., Fernandez, S., Boris-Lawrie, K. 2007. HIV suppresses global cellular translation and endoplasmic reticulum-associated ribosomes provide a privileged site for viral translation. OSU Molecular Life Sciences Interdisciplinary Graduate Programs Symposium, Columbus, OH.

## AWARDS

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Undergraduate scholarship	Bilkent University, Ankara, Turkey 1996-2000
Travel grant	31st Cold Spring Harbor International Meeting on Retroviruses, Cold Spring Harbor Laboratories, 2006

## REFERENCE

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Dr. Kathleen Boris-Lawrie (Advisor)  
Professor, Department of Veterinary Biosciences and Molecular, Cellular and Development Biology Graduate Program,  
The Ohio State University, Columbus, OH.  
Tel: (614) 292-8703 Fax: (614) 292-6473 Email: boris-lawrie.1@osu.edu

## MISCELLANEOUS INFO

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Lab skills	Experience with wild-type HIV virus production and handling, lentiviral vector production. Molecular biology techniques including cell culture work. Extensive work on RNA.
Computational Skills	Expert in MS Word, PowerPoint and Excel. Regularly used Vector NTI Suite for sequence analysis. Beginner level Perl language and familiar with Linux operating system.