

CURRICULUM VITAE THOMAS DAVID GILMORE

Departmental Address

Boston University
5 Cummington Mall
Boston, MA 02215
617-353-5444 or 5445
617-353-6340 (Fax)
gilmore@bu.edu
www.nf-kb.org

Education

Princeton University, Princeton, NJ 1970-74 A.B. English
University of California, Berkeley, CA 1978-84 Ph.D. Zoology (sponsor: G. Steven Martin)

Relevant Professional Experience

Research Assistant, Comprehensive Health Labs, San Francisco, California, 1977-1978
Teaching Assistant, Cell Biology and Labs in Cell Biology, University of California, 1980-1983
Post-doctoral Fellow, sponsor: Howard M. Temin, McArdle Labs, Univ. Wisconsin, 1984-1987
Assistant and Associate Professor, Biology Department, Boston University, 1987-1999
Professor, Biology Department, Boston University, 1999-present
Biological Consultant, Center for Chemical Methodology & Library, 2002-2013
Director, Undergraduate Research Opportunities Program, Boston, 2007-2014
Professor, Program in Molecular Biology, Cell Biology & Biochemistry, BU, 2001-present
Chair, Biology Department, Boston University, 2016
Associate Chair, Biology Department, Boston University, 2016-17
Member, Genome Science Institute, Boston University, 2013-present
Adjunct Prof, Dept of Pharmacology & Experimental Therapeutics, BU Med, 2010-present
Member, Cancer Center of the BU-Boston Medical Center, 2016-present

Academic and Professional Awards and Honors

Cum laude, English Department, Princeton University, 1974
NIH Predoctoral training grants in molecular biology and cancer research,
University of California, 1978-83
Chancellor's Patent Fund Award for Research, University of California, 1981-82
Distinguished Teaching Assistant, Zoology Dept., University of California, 1981-82
Jane Coffin Childs post-doctoral fellow, 1984-1987
American Cancer Society Junior Faculty Research Award, 1989-91
American Cancer Society Faculty Research Award, 1992-96
Member, American Cancer Society Study Section in Molecular Biology and Genetics, 1991
and in Virology and Molecular Genetics, 1993
Member, NIH Special Study Section for Grant Reviews, July, 1992
Member, NIH Site visit for National Cancer Institute, December, 1994, 1997
Member, NIH Site visit for UC San Diego, October, 1996 and May, 1997
Member, NIH Study Section for Shared Instrumentation Grants, 1997, 1999
Member, NIH Study Section for Experimental Virology, 2003
Member, Beckman Foundation Scholars Advisory Committee, 2008-10
Listed, Marquis *Who's Who in Science & Engineering in America*, 1993-present
Editorial Boards: *Gene Expression*; *Cancer Lett*; *Current Cancer Ther Rev*; *Genes & Cancer*
Metcalf Cup & Prize for Excellence in Teaching, Boston Univ, May 2009
Boston Univ Scholar/Teacher of the Year Award of the United Methodist Church, March 2014

Publications

1. Radke K, **T Gilmore** & GS Martin. 1980. Phosphorylation of a 36,000 molecular weight cellular polypeptide in Rous sarcoma virus-transformed fibroblasts. In, *Protein Phosphorylation and Bio-Regulation* (eds. G Thomas, E Podesta, and J Gordon), S Karger, Basel, Switzerland, pp 186-192
2. Radke K, **T Gilmore** & GS Martin. 1980. Transformation by Rous sarcoma virus: a cellular substrate for transformation-specific phosphorylation contains phosphotyrosine. *Cell* 21: 821-828
3. Pawson T, J Guyden, T-H Kung, K Radke, **T Gilmore** & GS Martin. 1980. A strain of Fujinami sarcoma virus which is temperature-sensitive in protein phosphorylation and cellular transformation. *Cell* 22: 767-775
4. **Gilmore T**, K Radke & GS Martin. 1982. Tyrosine phosphorylation of a 50K cellular polypeptide associated with the Rous sarcoma virus transforming protein, pp60^{src}. *Molecular and Cellular Biology* 2: 199-206
5. **Gilmore T** & GS Martin. 1983. Phorbol ester and diacylglycerol induce protein phosphorylation at tyrosine. *Nature* 306: 487-490
6. Martin GS, K Radke, C Carter, P Moss, P Dehazya & **T Gilmore**. 1984. The role of protein phosphorylation at tyrosine in transformation and mitogenesis. From the Cold Spring Harbor Conference on Cell Proliferation and Cancer. *Journal of Cell Physiology Supplement* 3: 139-149
7. Moss P, K Radke, V Carter, J Young, **T Gilmore** & GS Martin. 1984. Cellular localization of the transforming protein of wild-type and temperature-sensitive Fujinami sarcoma virus. *Journal of Virology* 52: 557-565
8. **Gilmore T**, J DeClue & GS Martin. 1985. Tyrosine kinase activity associated with the v-*erbB* gene product. In, *The Cancer Cell* (eds. G Ferramisco, B Ozanne, and C Stiles) Volume 3: 25-32
9. **Gilmore TD**, J DeClue & GS Martin. 1985. Protein phosphorylation at tyrosine is induced by the v-*erbB* gene product in vivo and in vitro. *Cell* 40: 609-618
10. **Gilmore TD** & HM Temin. 1986. Different localization of the product of the v-*rel* oncogene in chicken fibroblasts and spleen cells correlates with transformation by REV-T. *Cell* 44: 791-800
11. Luk K-C, **T Gilmore** & A Panganiban. 1987. The spleen necrosis virus *int* gene product expressed in *Escherichia coli* has DNA binding activity and mediates *att* and U5-specific multimer formation *in vitro*. *Virology* 57: 127-136
12. **Gilmore TD** & HM Temin. 1988. v-*rel* oncoproteins in the nucleus and in the cytoplasm transform chicken spleen cells. *Journal of Virology* 62: 703-714
13. Capobianco A, DL Simmons & **TD Gilmore**. 1990. Cloning and expression of a chicken c-*rel* cDNA: unlike p59^{v-rel}, p68^{c-rel} is a cytoplasmic protein in chicken embryo fibroblasts. *Oncogene* 5: 257-266
14. Delwart EL, G Mosialos & **T Gilmore**. 1990. Retroviral envelope glycoproteins contain a "leucine zipper"-like repeat. *AIDS Research and Human Retroviruses* 6: 703-706
15. Kamens J, P Richardson, G Mosialos, R Brent & **TD Gilmore**. 1990. Oncogenic transformation by vRel requires an amino-terminal activation domain. *Molecular and Cellular Biology* 10: 2840-2847
16. **Gilmore TD**. 1990. NF- κ B, KBF1, *dorsal*, and related matters. *Cell* 62: 841-843
17. Dailey D, GL Schieven, MY Lim, **T Gilmore**, J Thorner & GS Martin. 1990. Novel yeast protein kinase (*YPK1* gene product) is a 40-kilodalton phosphotyrosyl protein associated with protein-tyrosine kinase activity. *Molecular and Cellular Biology* 10: 6244-6256
18. Richardson PM & **TD Gilmore**. 1991. vRel is an inactive member of the Rel family of transcriptional activating proteins. *Journal of Virology* 65: 3122-3130

19. **Gilmore TD**. 1991. Malignant transformation by mutant Rel proteins. *Trends in Genetics* 7: 318-322
20. Mosialos G, P Hamer, AJ Capobianco, R Laursen & **TD Gilmore**. 1991. A protein kinase A recognition sequence is structurally linked to transformation by p59^{v-rel} and cytoplasmic retention of p68^{c-rel}. *Molecular and Cellular Biology* 11: 5867-5877
21. Capobianco A & **TD Gilmore**. 1991. Repression of the chicken *c-rel* promoter by vRel in chicken embryo fibroblasts is not mediated through a consensus NF- κ B binding site. *Oncogene* 6: 2203-2210
22. Morin P & **TD Gilmore**. 1992. The C terminus of the NF- κ B p50 precursor protein and an I κ B isoform contain transcription activation domains. *Nucleic Acids Research* 20: 2453-2458
23. Capobianco AJ, D Chang, G Mosialos & **TD Gilmore**. 1992. p105, the NF- κ B p50 precursor, is one of the cellular proteins complexed with the v-Rel oncoprotein in transformed chicken spleen cells. *Journal of Virology* 66: 3758-3767
24. **Gilmore TD**. 1992. Role of *rel* family genes in normal and malignant lymphoid cell growth. *Cancer Surveys* 15: 69-87
25. Morin PJ, G Subramanian & **TD Gilmore**. 1992. *AAT1*, a gene encoding a mitochondrial aspartate aminotransferase in *Saccharomyces cerevisiae*. *Biochimica et Biophysica Acta* 1171: 211-214
26. Mosialos G & **TD Gilmore**. 1993. v-Rel and c-Rel are differentially affected by mutations at a consensus protein kinase recognition sequence. *Oncogene* 8: 721-730
27. Capobianco AJ & **TD Gilmore**. 1993. A conditional mutant of vRel containing sequences from the human estrogen receptor. *Virology* 193: 160-170
28. Morin PJ, GS Subramanian & **TD Gilmore**. 1993. GAL4-I κ B α and GAL4-I κ B γ activate transcription by different mechanisms. *Nucleic Acids Research* 21: 2157-2163
29. Sarkar S & **TD Gilmore**. 1993. Transformation by the vRel oncoprotein requires sequences carboxy-terminal to the Rel homology domain. *Oncogene* 8: 2245-2252
30. Sif S, AJ Capobianco & **TD Gilmore**. 1993. The v-Rel oncoprotein increases expression from Sp1 site-containing promoters in chicken embryo fibroblasts. *Oncogene* 8: 2501-2509
31. White DW & **TD Gilmore**. 1993. Temperature-sensitive transforming mutants of the *v-rel* oncogene. *Journal of Virology* 67: 6876-6881
32. Sif S & **TD Gilmore**. 1993. NF- κ B p100 is one of the high-molecular-weight proteins associated with the v-Rel oncoprotein in transformed chicken spleen cells. *Journal of Virology* 67: 7612-7617
33. **Gilmore TD** & PJ Morin. 1993. The I κ B proteins: members of a multifunctional family. *Trends in Genetics* 9: 427-433
34. Feinstein R, WK Bolton, JN Quinones, G Mosialos, S Sif, JL Huff, AJ Capobianco & **TD Gilmore**. 1994. Characterization of a chicken cDNA encoding the retinoblastoma gene product. *Biochimica et Biophysica Acta* 1218: 82-86
35. Sif S & **TD Gilmore**. 1994. Interaction of the v-Rel oncoprotein with cellular transcription factor Sp1. *Journal of Virology* 68: 7131-7138
36. White DW, A Roy & **TD Gilmore**. 1995. The v-Rel oncoprotein blocks apoptosis and proteolysis of I κ B- α in transformed chicken spleen cells. *Oncogene* 10: 857-868
37. **Gilmore TD**, DW White, S Sarkar & S Sif. 1995. Malignant transformation of cells by the v-Rel oncoprotein. In, *The DNA Provirus: Howard Temin's Scientific Legacy* (eds. GM Cooper, R Greenberg Temin and B Sugden), American Society for Microbiology, Washington DC, pp 109-128
38. Morin PJ, J Downs, AM Snodgrass & **TD Gilmore**. 1995. Genetic analysis of growth inhibition by GAL4-I κ B- α in *Saccharomyces cerevisiae*. *Cell Growth & Differentiation* 6: 789-798

39. **Gilmore TD**. 1995. Regulation of Rel transcription complexes. In, *Frontiers in Molecular Biology: Eukaryotic Gene Transcription* (ed. S Goodbourn), Oxford University Press, Oxford, England, pp 102-131
40. White DW, GA Pitoc & **TD Gilmore**. 1996. Interaction of the v-Rel oncoprotein with NF- κ B and I κ B proteins: heterodimers of a transformation-defective v-Rel mutant and NF- κ B p52 are functional in vitro and in vivo. *Molecular and Cellular Biology* 16: 1169-1178
41. White DW & **TD Gilmore**. 1996. Bcl-2 and CrmA have different effects on transformation, apoptosis, and the stability of I κ B- α in chicken spleen cells transformed by temperature-sensitive v-Rel oncoproteins. *Oncogene* 13: 891-899
42. **Gilmore TD**, M Koedood, KA Piffat & DW White. 1996. Rel/NF- κ B/I κ B proteins and cancer. *Oncogene* 13: 1367-1378
43. **Gilmore TD** (editor). 1997. Rel/NF- κ B. *Seminars in Cancer Biology*, Academic Press, Cambridge, England. Volume 8-2, pp 61-129
44. Barkett M, D Xue, HR Horvitz & **TD Gilmore**. 1997. Phosphorylation of I κ B- α inhibits its cleavage by caspase CPP32 in vitro. *Journal of Biological Chemistry* 272: 29419-29422
45. **Gilmore TD**. 1997. Clinically relevant findings. *Journal of Clinical Investigation* 100: 2935-2936
46. Sylla B, SC Hung, DM Davidson, E Hatzivassiliou, NL Malinin, D Wallach, **TD Gilmore**, E Kieff & G Mosialos. 1998. Epstein-Barr virus transforming protein latent infection membrane protein 1 activates transcription factor NF- κ B through a pathway that includes the NF- κ B-inducing kinase and the I κ B kinases IKK α and IKK β . *Proceedings of the National Academy of Sciences USA* 95: 10106-10111
47. Wang Y, JE Dooher, M Koedood Zhao & **TD Gilmore**. 1999. Characterization of mouse Trip6: a putative intracellular signaling protein. *Gene* 234: 403-409
48. Epinat J-C & **TD Gilmore**. 1999. In vitro-translated diphtheria toxin A chain inhibits translation in wheat germ extracts: analysis of biologically active, caspase-3-resistant diphtheria toxin mutants. *Biochimica et Biophysica Acta* 1472: 34-41
49. **Gilmore TD**. 1999. The Rel/NF- κ B signal transduction pathway: introduction. *Oncogene* 18: 6842-6844
50. Epinat J-C & **TD Gilmore**. 1999. A variety of agents can act at multiple levels to inhibit the Rel/NF- κ B signal transduction pathway. *Oncogene* 18: 6896-6909
51. Barkett M & **TD Gilmore**. 1999. Control of apoptosis by Rel/NF- κ B transcription factors. *Oncogene* 18: 6910-6924
52. **Gilmore TD**. 1999. Multiple mutations contribute to the oncogenicity of the retroviral oncoprotein v-Rel. *Oncogene* 18: 6925-6937
53. Koedood Zhao M, Y Wang, K Murphy, J Yi, MC Beckerle & **TD Gilmore**. 1999. LIM domain-containing protein Trip6 can act as a co-activator for the v-Rel transcription factor. *Gene Expression* 8: 207-217
54. Epinat J-C, D Kazandjian, DD Harkness, S Petros, J Dave, DW White & **TD Gilmore**. 2000. Mutant envelope residues confer a transactivation function onto N-terminal sequences of the v-Rel oncoprotein. *Oncogene* 19: 599-607
55. **Gilmore TD**, J-C Epinat & M Barkett. 2000. Misregulation of a signal transduction pathway: role of Rel/NF- κ B transcription factors in oncogenesis. In, *DNA Alterations in Cancer: Genetic and Epigenetic Changes* (ed. M Ehrlich), BioTechniques Books, Eaton Publishing, Natick, MA, USA, pp 121-136
56. Epinat J-C, EL Dvorin & **TD Gilmore**. 2000. Envelope-dependent transactivation by the retroviral oncoprotein v-Rel is required for efficient malignant transformation of chicken spleen cells. *Oncogene* 19: 3131-3137
57. Barkett M, JE Dooher, L Lemonnier, L Simmons, JN Scarpati, Y Wang & **TD Gilmore**. 2001. Three mutations in the retroviral oncoprotein v-Rel render it resistant to cleavage by caspase-3. *Biochimica et Biophysica Acta* 1526: 25-36

58. Wang Y & **TD Gilmore**. 2001. LIM domain protein Trip6 has a conserved nuclear export signal, nuclear targeting sequences, and multiple transactivation domains. *Biochimica et Biophysica Acta* 1538: 260-272
59. Piffat KA, R Hrdlickova, J Nehyba, T Ikeda, A Liss, S Huang, S Sif, **TD Gilmore** & HR Bose Jr. 2001. The chicken RelB transcription factor has transactivation sequences and a tissue-specific expression pattern that is distinct from mammalian RelB. *Molecular Cell Biology Research Communications* 4: 266-275
60. **Gilmore TD**, C Cormier, J Jean-Jacques & M-E Gapuzan. 2001. Malignant transformation of primary chicken spleen cells by human transcription factor c-Rel. *Oncogene* 20: 7098-7103
61. Li C, EA Pace, M-C Liang, E Lobkovsky, **TD Gilmore** & JA Porco Jr. 2001. Total synthesis of the NF- κ B inhibitor (-)-cycloepoxydon: utilization of tartrate-mediated nucleophilic epoxidation. *Journal of the American Chemical Society* 123: 11308-11309
62. **Gilmore TD**, M-E Gapuzan, D Kalaitzidis & D Starczynowski. 2002. Rel/NF- κ B/I κ B signal transduction in the generation and treatment of human cancer. *Cancer Letters* 181: 1-9
63. Kalaitzidis D & **TD Gilmore**. 2002. Genomic organization and expression of the *REL* proto-oncogene in the human B-cell lymphoma cell line RC-K8. *Genes, Chromosomes & Cancer* 34: 129-135
64. Gapuzan M-E, PV Yufit & **TD Gilmore**. 2002. Immortalized embryonic mouse fibroblasts lacking the RelA subunit of transcription factor NF- κ B have a malignantly transformed phenotype. *Oncogene* 21: 2484-2492
65. Li C, S Bardhan, EA Pace, M-C Liang, **TD Gilmore** & JA Porco Jr. 2002. Angiogenesis inhibitor epoxyquinol A: total synthesis and inhibition of transcription factor NF- κ B. *Organic Letters* 4: 3267-3270
66. Kalaitzidis D, RE Davis, A Rosenwald, LM Staudt & **TD Gilmore**. 2002. The human B-cell lymphoma cell line RC-K8 has multiple genetic alterations that dysregulate the Rel/NF- κ B signal transduction pathway. *Oncogene* 21: 8759-8768
67. **Gilmore TD**. 2003. The Rel/NF- κ B/I κ B signal transduction pathway and cancer. In, *Signal Transduction in Cancer* (ed. DA Frank), Kluwer Academic Publishers, Boston, MA, USA, pp 241-265
68. **Gilmore TD** & G Mosialos. 2003. Viruses as intruders in the Rel/NF- κ B signaling pathway. In, *Nuclear Factor- κ B: Regulation and Role in Disease* (ed. R Beyaert), Kluwer Academic Publishers, The Netherlands, pp 91-115
69. Wang Y & **TD Gilmore**. 2003. Zyxin and paxillin proteins: focal adhesion plaque LIM domain proteins go nuclear. *Biochimica et Biophysica Acta* 1593: 115-120
70. Liang M-C, S Bardhan, C Li, EA Pace, JA Porco Jr & **TD Gilmore**. 2003. Jesterone dimer, a synthetic derivative of the fungal metabolite jesterone, blocks activation of Nuclear Factor κ B by inhibiting the inhibitor of κ B kinase. *Molecular Pharmacology* 64: 123-131
71. Gapuzan M-ER, GA Pitoc & **TD Gilmore**. 2003. Mutations within a conserved protein kinase recognition sequence confer temperature-sensitive and partially defective activities onto mouse c-Rel. *Biochemical and Biophysical Research Communications* 307: 92-99
72. Starczynowski DT, JG Reynolds & **TD Gilmore**. 2003. Deletion of either C-terminal transactivation subdomain enhances the *in vitro* transforming activity of human transcription factor REL in chicken spleen cells. *Oncogene* 22: 6928-6936
73. **Gilmore TD**, J Jean-Jacques, R Richards, C Cormier, J Kim & D Kalaitzidis. 2003. Stable expression of the avian retroviral oncoprotein v-Rel in avian, mouse, and dog cell lines. *Virology* 316: 9-16
74. **Gilmore TD**, D Kalaitzidis, M-C Liang & DT Starczynowski. 2004. The c-Rel transcription factor and B-cell proliferation: a deal with the devil. *Oncogene* 23: 2275-2286

75. Kalatizidis D, J Ok, L Sulak II, DT Starczynowski & **TD Gilmore**. 2004. Characterization of a human REL-estrogen receptor fusion protein with a reverse conditional transforming activity in chicken spleen cells. *Oncogene* 23: 7580-7587
76. Kalatizidis D & **TD Gilmore**. 2005. Transcription factor cross-talk: estrogen receptor and NF- κ B. *Trends in Endocrinology and Metabolism* 16: 46-52 (Featured cover photo)
77. Gapuzan M-ER, O Schmah, AD Pollock, A Hoffmann & **TD Gilmore**. 2005. Immortalized embryonic fibroblasts from NF- κ B RelA knockout mice show phenotypic heterogeneity and maintain sensitivity to tumor necrosis factor α after transformation by v-Ras. *Oncogene* 24: 6574-6583
78. Starczynowski DT, JG Reynolds & **TD Gilmore**. 2005. Mutations of tumor necrosis factor α -responsive serine residues within the C-terminal transactivation domain of human transcription factor REL can enhance its *in vitro* transforming ability. *Oncogene* 24: 7355-7368
79. Liang M-C, S Bardhan, EA Pace, D Rosman, JA Beutler, JA Porco Jr & **TD Gilmore**. 2006. Inhibition of transcription factor NF- κ B signaling proteins IKK β and p65 through specific cysteine residues by epoxyquinone A monomer: correlation with its anti-cancer cell growth activity. *Biochemical Pharmacology* 71: 634-645
80. Perkins ND & **TD Gilmore**. 2006. Good cop, bad cop: the different faces of NF- κ B. *Cell Death and Differentiation* 13: 759-772
81. Liang M-C, S Bardhan, JA Porco Jr & **TD Gilmore**. 2006. The synthetic epoxyquinoids jesterone dimer and epoxyquinone A monomer induce apoptosis and inhibit REL (human c-Rel) DNA binding in an I κ B α -deficient diffuse large B-cell lymphoma cell line. *Cancer Letters* 241: 69-78
82. **Gilmore TD**. 2006. Introduction to NF- κ B: players, pathways, perspectives. *Oncogene* 25: 6680-6684
83. Courtois G & **TD Gilmore**. 2006. Mutations in the NF- κ B signaling pathway: implications for human disease. *Oncogene* 25: 6831-6843
84. **Gilmore TD** & M Herscovitch. 2006. Inhibitors of NF- κ B signaling: 785 and counting. *Oncogene* 25: 6887-6899
85. Sullivan JC, D Kalatizidis, **TD Gilmore** & JR Finnerty. 2007. Rel homology domain-containing transcription factors in the cnidarian *Nematostella vectensis*. *Development Genes and Evolution* 217: 63-72
86. Starczynowski DT, H Trautmann, C Pott, L Harder, N Arnold, JA Africa, JR Leeman, R Siebert & **TD Gilmore**. 2007. Mutation of an IKK phosphorylation site within the transactivation domain of REL in two patients with human B-cell lymphoma enhances REL's *in vitro* transforming activity. *Oncogene* 26: 2685-2694
87. **Gilmore TD**. 2007. Multiple myeloma: lusting for NF- κ B. *Cancer Cell* 12: 95-97.
88. Herscovitch M, W Comb, T Ennis, K Coleman, S Yong, B Armstead, D Kalatizidis, S Chandani & **TD Gilmore**. 2008. Intermolecular disulfide bond formation in the NEMO dimer requires Cys54 and Cys347. *Biochemical and Biophysical Research Communications* 367: 103-108
89. Leeman JR, MA Weniger, TF Barth & **TD Gilmore**. 2008. Deletion analysis and alternative splicing define a transactivation inhibitory domain in human oncoprotein REL. *Oncogene* 27: 6770-6781
90. Leeman JR & **TD Gilmore**. 2008. Alternative splicing in the NF- κ B signaling pathway. *Gene* 423: 97-107
91. Garbati MR & **TD Gilmore**. 2008. Ser484 and Ser494 in REL are the major sites of IKK phosphorylation in vitro: evidence that IKK does not directly enhance GAL4-REL transactivation. *Gene Expression* 14: 195-205
92. **Gilmore TD**, ND Perkins & G Franzoso. 2009. Getting away from it all in Capri: The 2008 EMBO Workshop on NF- κ B. *Cell Death & Differentiation* 16: 651-654

93. Chin M, M Herscovitch, N Zhang, DJ Waxman & **TD Gilmore**. 2009. Overexpression of an activated version of the REL oncoprotein enhances the transformed state of the human B-lymphoma BJAB cell line and alters its gene expression profile. *Oncogene* 28: 2100-2111
94. Sullivan JC, FS Wolenski, AM Reitzel, N Traylor-Knowles, CE French, **TD Gilmore** & JR Finnerty. 2009. Two alleles encoding transcription factor NF- κ B in the sea anemone *Nematostella vectensis* are widely dispersed in nature and encode proteins with distinct activities. *PLoS ONE* 4: e7311
95. **Gilmore TD**, RC Thompson & AC Faber. 2010. Cyclins D3 and E go hand in hand with Cdk4/6 in diffuse large B-cell lymphoma. *Cell Cycle* 14: 448-449
96. Garbati MR, G Alço & **TD Gilmore**. 2010. Histone acetyltransferase p300 is a coactivator for transcription factor REL and is C-terminally truncated in the human diffuse large B-cell lymphoma cell line RC-K8. *Cancer Letters* 291: 237-245
97. Thompson RC*, M Herscovitch*, I Zhao, TJ Ford & **TD Gilmore**. 2011. NF- κ B down-regulates expression of the B-lymphoma marker CD10 through a miR-155/PU.1 pathway. *Journal of Biological Chemistry* 286: 1675-1682 (*co-first authors)
98. Garbati MR, RC Thompson, L Haery & **TD Gilmore**. 2011. A rearranged *EP300* gene in the human B-cell lymphoma cell line RC-K8 encodes a disabled transcriptional co-activator that contributes to cell growth and oncogenicity. *Cancer Letters* 302: 76-83
99. Wolenski FS, MR Garbati, TJ Lubinski, N Traylor-Knowles, DJ Stefanik, E Dresselhaus, H Goucher, JR Finnerty & **TD Gilmore**. 2011. Characterization of the core elements of the NF- κ B signaling pathway of the sea anemone *Nematostella vectensis*. *Molecular and Cellular Biology* 31: 1076-1087 (Featured cover photo)
100. **Gilmore TD** & M Garbati. 2011. Inhibition of NF- κ B signaling as a strategy in disease therapy. *Current Topics in Microbiology and Immunology* 349: 245-263
101. **Gilmore TD** & S Gerondakis. 2011. The c-Rel transcription factor in development and disease. *Genes & Cancer* 7: 685-711
102. Wolenski FS, S Chandani, DJ Stefanik, N Jiang, E Chu, JR Finnerty & **TD Gilmore**. 2011. Two polymorphic residues account for the differences in DNA binding and transcriptional activation by NF- κ B proteins encoded by naturally occurring alleles in *Nematostella vectensis*. *Journal of Molecular Evolution* 73: 325-336
103. Yeo AT, JA Porco Jr & **TD Gilmore**. 2012. Bcl-X_L, but not Bcl-2, can protect human B-lymphoma cell lines from parthenolide-induced apoptosis. *Cancer Letters* 318: 53-60
104. Wolenski FS & **TD Gilmore**. 2012. Evolution of NF- κ B: where did it come from and why? *Immunological Reviews* 246: 14-35
105. Wolenski F, J Finnerty & **T Gilmore**. 2012. Preparation of antiserum and detection of proteins by Western blotting using the starlet sea anemone, *Nematostella vectensis*. *Protocol Exchange* <http://dx.doi.org/10.1038/protex.2012.057>
106. Wolenski FS, CA Bradham, JR Finnerty & **TD Gilmore**. 2013. NF- κ B is required for cnidocyte development in the sea anemone *Nematostella vectensis*. *Developmental Biology* 373: 205-215
107. Stefanik DJ, FS Wolenski, **TD Gilmore** & JR Finnerty. 2013. Isolation of DNA, RNA and protein from the starlet sea anemone *Nematostella vectensis*. *Nature Protocols* 8: 892-899
108. Wolenski FS, MJ Layden, MQ Martindale, **TD Gilmore** & JR Finnerty. 2013. Characterizing the spatiotemporal expression of RNAs and proteins in the starlet sea anemone, *Nematostella vectensis*. *Nature Protocols* 8: 900-915
109. Layden MJ, E Röttinger, FS Wolenski, **TD Gilmore** & MQ Martindale. 2013. Microinjection techniques for reverse genetic analysis in the starlet sea anemone, *Nematostella vectensis*. *Nature Protocols* 8: 924-934
110. **Gilmore TD**, AM Tarrant & JR Finnerty. 2013. A report from the second *Nematostella vectensis* research conference. *Development Genes and Evolution* 223: 207-211

111. Thompson RC, I Vardinogiannis & **TD Gilmore**. 2013. The sensitivity of diffuse large B-cell lymphoma cell lines to histone deacetylase inhibitor-induced apoptosis is modulated by BCL-2 family protein activity. *PLoS ONE* 8: e62822
112. Thompson RC, I Vardinogiannis & **TD Gilmore**. 2013. Identification of an NF- κ B p50-p65-responsive site in the human *MIR155HG* promoter. *BMC Molecular Biology* 14: 24
113. Cote S, **TD Gilmore***, R Schaffer, U Weber, R Bollom, MS Golden, K Glover, M Herscovitch, T Ennis, KN Allen & A Whitty*. 2013. Mutation of nonessential cysteines shows that the NF- κ B essential modulator (NEMO) forms a constitutive noncovalent dimer that binds I κ B kinase- β (IKK β) with high affinity. *Biochemistry* 52: 9141-9154 *Co-corresponding authors
114. Haery L, JG Lugo-Picó, RA Henry, AW Andrews & **TD Gilmore**. 2014. Histone acetyltransferase-deficient p300 mutants in diffuse large B-cell lymphoma have altered transcriptional regulatory activities and are required for optimal cell growth. *Molecular Cancer* 13: 29
115. Zhou L, A Yeo, C Ballorano, U Weber, KN Allen*, **TD Gilmore*** & A Whitty*. 2014. Disulfide-mediated stabilization of the I κ B kinase binding domain of NF- κ B essential modulator (NEMO). *Biochemistry* 53: 7929-7944 *Co-corresponding authors
116. **Gilmore TD*** & C Gélinas. 2015. Methods for assessing the in vitro transforming activity of NF- κ B transcription factor c-Rel and related proteins. *Methods in Molecular Biology* 1280: 427-446
117. Siggers T, **TD Gilmore**, B Barron & A Penvose. 2015. Characterizing the DNA binding site specificity of NF- κ B with protein binding microarrays. *Methods in Molecular Biology* 1280: 609-630
118. Finnerty JR & **TD Gilmore**. 2015. Methods for analyzing the evolutionary relationship of NF- κ B proteins using free, web-driven bioinformatics and phylogenetic tools. *Methods in Molecular Biology* 1280: 631-646
119. Tarrant AM, **TD Gilmore**, AM Reitzel, O Levy, U Technau & MQ Martindale. 2015. Current directions and future perspectives from the third *Nematostella* research conference. *Zoology* 118: 135-140
120. Yeo AT, S Chennamadhavuni, A Whitty, JA Porco Jr & **TD Gilmore**. 2015. Inhibition of oncogenic transcription factor REL by the natural product derivative calafianin monomer 101 induces proliferation arrest and apoptosis in human B-lymphoma cell lines. *Molecules* 20: 7474-7494
121. Haery L, RC Thompson & **TD Gilmore**. 2015. Histone acetyltransferases and histone deacetylases in B- and T-cell development, physiology and malignancy. *Genes & Cancer* 6: 184-213
122. Alshanbayeva A, A Thomas, M Tremblay, M Abbas, F Abdurrob, T Almojel, A Aparicio, D Asarpota, A Ayers, A Aziz, J Bishop, T Christie, MJM Chua, O Chung, N Dhar, A Diedrich, C Fortin, Q He, S Heerboth, R Hok, A Khedkar, S Kitchloo, C Lawlor, B Leonard, S Linderman, M Maloyan, L Miller, C Pak, A Pandita, I Park, N Patel, J Ramachandran, M Reynoso, Y Samaha, G Thole, J Turnbull, L Xia, J Zhu, C Navarro & **TD Gilmore**. 2015. N- and C-terminal non-conserved residues contribute to transactivation by a sea anemone (*Nematostella vectensis*) NF- κ B transcription factor. *BIOS* 86: 165-175
123. Haery L, S Mussakhan, DJ Waxman & **TD Gilmore**. 2016. Evidence for an oncogenic modifier role for mutant histone acetyltransferases in diffuse large B-cell lymphoma. *Leukemia & Lymphoma* 57: 2661-2771
124. Cotter KA, DA Nacci, D Champlin, AT Yeo, **TD Gilmore** & GV Callard. 2016. Adaptive significance of ER α splice variants in killifish (*Fundulus heteroclitus*) resident in an estrogenic environment. *Endocrinology* 157: 2294-2308
125. Williams LM, LE Fuess, JJ Brennan, KM Mansfield, E Salas-Rodriguez, J Welsh, J Awtry, S Banic, C Chacko, A Chezian, D Dowers, F Estrada, Y-H Hsieh, J Kang, W Li, Z Malchiodi, J Malinowski, S Matuszak, T McTigue IV, D Mueller, B Nguyen, M Nguyen, P

Nguyen, S Nguyen, N Njoku, K Patel, W Pellegrini, T Pliakas, D Qadir, E Ryan, A Schiffer, A Thiel, SA Yunes, KE Spiliotis, JH Pinzón C, LD Mydlarz & **TD Gilmore**. 2018. A conserved Toll-like receptor-to-NF- κ B signaling pathway in the endangered coral *Orbicella faveolata*. *Developmental & Comparative Immunology* 79: 128-136

126. Brennan JJ, JL Messerschmidt, LM Williams, BJ Matthews, M Reynoso & **TD Gilmore**. 2017. Sea anemone model has a single Toll-like receptor that can function in pathogen detection, NF- κ B signal transduction, and development. *Proceedings of the National Academy of Sciences USA* 114: E10122–E10131

127. Mansfield KM, NM Carter, L Nguyen, PA Cleves, A Alshanbayeva, LM Williams, A Penvose, JR Finnerty, VM Weis, T Siggers & **TD Gilmore**. 2017. Transcription factor NF- κ B is modulated by symbiotic status in a sea anemone model of cnidarian bleaching. *Scientific Reports* 7: 16025

128. Friedman L, **TD Gilmore** & JR Finnerty. 2018. Intraspecific variation in oxidative stress tolerance in a model cnidarian: differences in peroxide sensitivity between and within populations of *Nematostella vectensis*, *PLoS ONE* 13: e0188265

129. Shaffer R, L Kagermazova, Y Liu, M Babaei, S Penix, S Jehle, **TD Gilmore**, A Whitty & KN Allen. 2018. A central conserved region of NEMO is required for IKK β -induced conformational change and signal propagation. *Journal of Biological Chemistry*, in review

130. Brennan JJ & **TD Gilmore**. 2018. Evolutionary origins of Toll-like receptor signaling. In review

131. Cote S, S Chennamadhavuni, A Yeo, U Weber, JA Porco Jr, **TD Gilmore** & A Whitty. 2018. Use of a fluorescence anisotropy assay to identify inhibitors of the protein-protein interaction between I κ B kinase β (IKK β) and NF- κ B essential modulator (NEMO). *Biochemistry*, in preparation

132. Babaei M*, YK Liu*, A Yeo, L Kagermazova, S Miyamoto, R Shaffer, A Whitty & **TD Gilmore**. 2018. Targeting a transcriptional regulatory element as a means to knockdown NEMO protein expression. Manuscript in preparation (*co-first authors)

Encyclopedia Articles

1. **Gilmore TD**. 2001. Rel. In, *Encyclopedia of Molecular Medicine*, Volume 3. John Wiley & Sons, New York, New York. pp 2752-2754

2. **Gilmore TD**. 2001. Rel. In, *Encyclopedic Reference of Cancer* (M Schwab, ed.) Springer-Verlag Publishers, Heidelberg, Germany. pp 761-764

3. **Gilmore TD** & YT Ip. 2003 (Version 3.0, updated 2009). Signal transduction pathways in development and immunity: NF κ B/Rel pathways. In, *Encyclopedia of Life Sciences*. John Wiley & Sons, Ltd., Chichester, UK. <http://www.els.net/> [Doi 10.1002/9780470015902.a0002332.pub3]

4. **Gilmore TD**. 2004 (Version 2, updated 2013). Nuclear Factor kappaB. In, *Encyclopedia of Biological Chemistry* (WJ Lennarz & JD Lane, eds.) Elsevier Press, Oxford, UK. Vol 3, pp 302-305.

5. **Gilmore TD**. 2008. Rel. In, *Encyclopedia of Cancer, 2nd Edition* (M Schwab, ed.) Springer-Verlag Publishers, Heidelberg, Germany.

6. **Gilmore TD**. 2011. Rel. In, *Encyclopedia of Cancer, 3rd Edition* (M Schwab, ed.) Springer-Verlag Publishers, Heidelberg, Germany.

7. **Gilmore TD**. 2013. Rel oncogene. In, *Brenner's Encyclopedia of Genetics, 2nd Edition* (S Maloy, K Hughes, eds) Elsevier, New York. Vol 6, pp 126-128.

8. **Gilmore TD***, TW Siggers & S Gerondakis*. 2016. NF-kappaB and the immune system. In, *Encyclopedia of Cell Biology* (RA Bradshaw, PD Stahl, eds) Waltham, MA, Volume 3: Functional Cell Biology pp 580-587 *Co-corresponding authors

9. **Gilmore TD**. 2017. Rel. In, *Encyclopedia of Cancer, 4th Edition* (M Schwab, ed.) Springer-Verlag Publishers, Heidelberg, Germany.

Published Letters to Editor

1. **Gilmore TD**. 1997. Don't overlook oncoprotein v-Rel. *Journal of NIH Research* 9(4):14-16.
2. White DW & **TD Gilmore**. 1997. Transcription factors, oncogenes, and apoptosis. *Science* (reviewed letter) 276:185.
3. **Gilmore TD**, DT Starczynowski & D Kalaitzidis. 2004. *RELevant* gene amplification in human B-cell lymphomas? *Blood* 103:3243. (refereed)

Web Site

1. www.nf-kb.org or [.com](http://www.nf-kb.com). My lab maintains the most up-to-date and extensive web site with information on Rel/NF- κ B transcription factors. This web site is frequently used by outside researchers and is updated several times per month.

Meeting Abstracts While at Boston University (176; see full list at end)

Invited Seminars

- Michigan State University, East Lansing, MI, May, 1988
- Boston University Medical School, Boston, MA, September, 1988
- Harvard University, Cambridge, MA, November, 1988
- Salk Institute, La Jolla, CA, May, 1989
- Boston University Biology Department 85th Anniversary Mini-Symposium, Boston, MA, November, 1989
- State University at Stony Brook, New York, November, 1989
- Transcription Group at Boston University Medical School, Boston, MA, February, 1990
- Rutgers Medical School, Piscataway, NJ, February, 1990
- Salem State Darwin Festival, Salem, MA February, 1990
- UCLA Department of Biological Chemistry, CA April, 1990
- Coopervand Symposium, Boston University Medical School, April, 1990
- La Jolla Cancer Research Institute, La Jolla, CA, October, 1990
- Worcester Research Institute, MA, November 7, 1990
- Boston University, Biology Department, Boston, MA, April 13, 1992
- Mount Desert Island Biological Laboratories, Maine, July 29, 1992
- Brandeis University, Medford, MA, August 5, 1992
- Howard Hughes Medical Institute, Bethesda, MD, November, 1992
- Brown University Medical School, Providence, RI, March 18, 1993
- Northwestern Medical School, Chicago, IL, May 12, 1993
- Bristol-Myers Squibb, Princeton, New Jersey, July 22, 1993
- Boston University Medical School, Biochemistry Department, Boston, MA, October 7, 1993
- Banbury Conference, Cold Spring Harbor, New York, October 27, 1993
- Systemix, Inc., Palo Alto, CA, February 16, 1994
- University of California at San Francisco, CA, February 17, 1994
- West Virginia Medical School, Morgantown, WV, February 23, 1994
- McArdle Laboratory Symposium on Cancer Research, Madison, WI, October 15, 1994
- Boston University Medical School, Immunology Department, Boston, MA, March 27, 1996
- Workshop on "NF- κ B Proteins - Their Role in Cell Growth, Differentiation and Development" Madrid, Spain, July 8-10, 1996
- Rhode Island College, Providence, RI, October 14, 1998
- Boston University Medical School, Hematology-Oncology Division, Boston, MA, June 3, 1999
- Vanderbilt University School of Medicine, Nashville, TN, November 30, 1999
- Keystone Symposium on "NF- κ B Regulation and Function: From Basic Research to Drug Development", Tahoe City, CA, February 25, 2000
- Hong Kong University, Hong Kong, PRC, March 21, 2000
- Penn State University Medical School, Hershey, PA, Nov. 9, 2000
- University of Massachusetts Medical School, Worcester, MA, November 15, 2000
- Tufts Medical School, Boston, MA, November 27, 2000
- International Symposium on "NF- κ B: Regulation, Gene Expression and Disease", Gent, Belgium, July 6, 2001
- AnorMED, Inc., Vancouver, British Columbia, September 10, 2001
- University of Cincinnati Medical School, October 16, 2001
- Massachusetts General Hospital Symposium on "NF- κ B and Host Defense: Genetics and Biochemistry", November 16, 2001
- Symposium for the Retirement of Dr Nancy Rice, National Cancer Institute, Frederick, MD, November 19, 2001
- Keystone Symposium on "NF- κ B: Bench to Bedside", Keystone, CO, February 28, 2002
- Boston University Med School, Hematology-Oncology Division, Boston, MA, May 23, 2002
- Boston College, Biology Department, Boston, MA, September 24, 2002

- Boston University Medical School, Pathology Department, Boston, MA, October 11, 2002
- University of Hong Kong, Hong Kong, PRC, November 15, 2002
- Boston Cancer Research Association, Boston, MA, November 20, 2002
- Karolinska Institute, Stockholm, Sweden, December 5, 2002
- Nobel Linus Pauling Biotech Symposium, Cambridge, MA, Oct. 11, 2003
- McArdle Laboratory, Univ. of Wisconsin, Madison, WI, Nov. 19, 2003
- Keystone Symposium on "NF- κ B: Biology and Pathology", Snowbird, Utah, Jan. 14, 2004
- TolerRx, Inc., Cambridge, MA, June 8, 2004
- National Institute on Aging, Baltimore, MD, October 28, 2004
- Genentech, Inc., South San Francisco, CA, July 12, 2005
- University of California, San Francisco, CA, July 13, 2005
- Synta Pharmaceuticals, Lexington, MA, July 21, 2005
- Salk Institute, La Jolla, CA, October 11, 2005
- Boston Area Immunology Symposium, Tufts Medical School, Boston, MA, Dec. 9, 2005
- Boston University Medical School, Pathology Dept, Boston, MA, February 17, 2006
- Keystone Symposium on "NF- κ B: 20 Years on the Road from Biochemistry to Pathology", Banff, Canada, March 23, 2006
- Boston University Dental School, Oral Biology Dept, Boston, MA, November 7, 2006
- Cornell Medical School, Immunology Dept, New York, NY, Nov. 13, 2006
- University of Toledo Medical School, Toledo, OH, October 25, 2007
- Keystone Symposium on "NF- κ B", Banff, Canada, February 16, 2008
- EMBO Workshop on "NF- κ B", Capri, Italy, October 19, 2008
- Boston University Academy, All Academy Day, Boston, October 15, 2009
- 4th Northeast Alliance Science Day, University of Puerto Rico, Mayaguez, Feb. 10-12, 2010
- Boston University, Pharmacology Department, Boston, March 24, 2010
- First Annual Nematostella Meeting, Woods Hole Oceanographic Institution, Woods Hole, MA, June 27, 2011
- Cell Signaling Technology, Danvers, MA, November 3, 2011
- University of Massachusetts, Veterinary & Animal Sciences Department, Amherst, MA, April 18, 2012
- Keystone Symposium on "NF- κ B Signaling and Biology: Bench to Bedside", Whistler, BC, Canada, March 20, 2012
- Third Nematostella Research Conference, Eilat, Israel, December 5, 2013
- Keystone Symposium on "The NF- κ B System in Health and Disease", Keystone, CO February 27, 2014
- European NF- κ B Subunit Workshop, Pitlochry, Scotland, October 6, 2014
- Woods Hole Oceanographic Institution, Woods Hole, MA, August 10, 2015
- Virginia Commonwealth University, Dental School, September 21, 2016
- 19th Annual Biomedical and Comparative Immunology Symposium, Miami, FL, March 31, 2017 (Plenary talk)
- Woods Hole Marine Biological Laboratory, Woods Hole, MA, July 25, 2017
- 15th Asian Conference on Transcription, Penang, Malaysia, August 1, 2017 (Keynote talk)
- UMass Medical School, Worcester, MA, February 7, 2018
- University of Cincinnati, Biology Department, Cincinnati, OH, May 17, 2018

Invited Meeting Participant

- Bristol Myers "Symposium on Cancer Research", December, 1987, Boston, MA
- Meeting on "Tyrosine Phosphorylation - The Second Decade", March, 1990, San Diego, CA
- Annual Meeting on Oncogenes, June, 1991, Frederick, MD. Chairman, Session on "Other Nuclear Oncogenes"
- Howard Hughes Medical Institute special meeting on "NF- κ B, Rel, and Dorsal: Structure and Function", November 9-11, 1992, Bethesda, MD

- Banbury Conference on " κ B Binding Proteins - Their Role in Development and Growth Control", October 25-28, 1993, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- Memorial Symposium for Howard M. Temin, Oct 15-17, 1994, Univ Wisconsin, Madison, WI
- Keystone Symposium on "Oncogenes: 20 Years Later", Jan 5-11, 1995, Keystone, Colorado
- Annual Meeting on Oncogenes, Frederick, MD. Chairman, Session on "Nuclear Oncogenes", June, 1996.
- Workshop on "NF- κ B/I κ B proteins - Their Role in Cell Growth, Differentiation and Development", July 8-10, 1996, Madrid, Spain
- Keystone Symposium on "NF- κ B Regulation and Function: From Basic Research to Drug Development", February 22-27, 2000, Tahoe City, CA
- 5th Annual Scientific Symposium of the Hong Kong Cancer Institute on "Oncology: From Molecules to Management", March 23-24, 2000, Hong Kong, PRC
- Beckman Symposium for Sponsored Undergraduate Research, July 27-29, 2000, Newport Beach, CA
- International Symposium on "NF- κ B: Regulation, Gene Expression and Disease", July 4-8, 2001, Gent, Belgium
- Mass General Hospital Center for the Study of Inflammatory Bowel Disease Symposium on "NF- κ B and Host Defense: Genetics and Biochemistry", Nov 15-17, 2001, Boston, MA
- Symposium for the Retirement of Dr Nancy Rice, National Cancer Institute, November 19, 2001, Frederick, MD
- Keystone Symposium on "NF- κ B: Bench to Bedside", Feb 25-March 3, 2002, Keystone, CO
- International Symposium on "Cell Signaling and Gene Transcription", November 15, 2002, Hong Kong, PRC
- Fourth "Nobel Linus Pauling Biotech Symposium", October 11, 2003, MIT, Cambridge, MA
- Keystone Symposium on "NF- κ B: Biology and Pathology", Jan 11-16, 2004, Snowbird, Utah
- Pfizer Undergraduate Sponsored Research Symposium, October 7-8, 2004, Groton, CT
- Boston Area Immunology Symposium (Session Chair), December 9, 2005, Boston, MA
- Keystone Symposium on "NF- κ B", February 12-17, 2008, Banff, Canada
- EMBO Workshop on "NF- κ B Signaling Pathway: from Development to Disease" (Session Chair), October 18-21, 2008, Capri, Italy
- Keystone Symposium on "NF- κ B", January 5-10, 2010, Santa Fe, New Mexico
- Biology Directorate NSF-REU PI meeting, Arlington, Virginia, April, 2010
- First Annual Nematostella Meeting, June 27, 2011, Woods Hole Oceanographic Institute, Woods Hole, MA
- Keystone Symposium on "NF- κ B Signaling and Biology: From Bench to Bedside" (Session Chair), March 18-23, 2008, Whistler, BC, Canada
- Biology Directorate NSF-REU PI meeting, Arlington, Virginia, April 12-14, 2012
- Second Nematostella Meeting (Co-organizer), Aug 27, 2012, Boston University, Boston, MA
- 6th Northeast Alliance Science Day, University of Puerto Rico, Mayaguez, Feb. 6-8, 2013
- Third Nematostella Meeting (Co-organizer), as part of the 8th International Conference on Coelenterate Biology, December 1-6, 2013, Eilat, Israel
- Keystone Symposium on "The NF- κ B System in Health and Disease" (Session Chair), February 23-28, 2014, Keystone, CO
- Biology Directorate NSF-REU PI meeting, Arlington, Virginia, April 10-12, 2014
- European NF- κ B Subunit Workshop, Pitlochry, Scotland, October 6-8, 2014
- 8th Northeast Alliance Science Day, University of Puerto Rico, Mayaguez, March 19, 2015
- Keystone Symposium on "NF- κ B and MAP Kinase Signaling in Inflammation", March 13-17, 2016, Whistler, BC, Canada
- Beckman Symposium for Sponsored Undergraduate Research, August 4-7, 2016, Irvine, CA,
- Biology Directorate NSF-REU PI meeting, Arlington, Virginia, March 30 – April 1, 2017
- 19th Annual Florida International University, Biomedical and Comparative Immunology Symposium, Miami, FL, March 30-31, 2017 (Plenary Speaker)

--15th Asian Conference on Transcription, Penang, Malaysia, July 31-Aug 4, 2017 (Keynote Speaker)

Editorial Boards

Editorial Board Member, *Gene Expression*, 1998-2016

Editorial Board Member, *Cancer Letters*, 2001-2011

Editorial Board Member, *Current Cancer Therapy Reviews*, 2004-present

Editorial Board Member, *Genes & Cancer*, 2009-present

Past Funding

- NIH First Award, National Cancer Institute (CA047763) "Transformation of Cells by the v-rel Oncogene", 9/88-9/93. Total Award \$545,000 (\$315,000 direct, \$230,000 indirect).
- American Cancer Society Junior Faculty Research Award, "Transformation of Cells by the v-rel Oncogene", 1/89-12/91. \$90,500 (salary award only).
- NIH Training Grant for Predoctoral Training in Molecular Biophysics, 7/89-6/94 and 1994-99 (Lee Makowski and Kenneth Rothschild, PIs; I was simply a participating member on these grants).
- NIH Small Instrumentation Grant, 1989-1990. Total cost \$14,109.30. Thomas Gilmore, PI. This was an instrumentation grant for the purchase of a departmental Video Densitometer.
- Hubert H. Humphrey Cancer Research Center (American Cancer Society Institutional Research Grant), "Precise Definition of Sequences Necessary for Gene Activation by Rel and Dorsal Proteins in Yeast". \$6,000 for 1990 (one-year award).
- Boston University Bio-Medical Seed Grant, "Isolation and Characterization of Genes Related to the rel Oncogene". \$5000 for 5/91-3/92 (one-year award).
- American Cancer Society Faculty Research Award, "Transformation & Transcriptional Control by Rel Proteins", 1/92-12/96. \$205,000 (salary award only).
- Requested supplements to my FIRST AWARD: \$12,000 direct costs (~\$7000, indirect costs) to support A. Capobianco (1989-1990), and \$3000 (\$1767, indirect costs) to support summer salary of G. Subramanian (Summer, 1992).
- American Cancer Society, Massachusetts Division, "Novel Activities Associated with IκB-like Sequences", 1/1/93 - 12/31/93. Total direct costs, \$30,435; indirect costs, \$4,565.
- National Leukemia Association, Inc., "Novel Activities Associated with IκB-like Sequences", submitted 10/1/92 for period 3/1/93 - 12/31/93. Total costs, \$19,250. Funded, declined due to overlap with ACS-Mass grant.
- NIH Research Grant, R01 CA047763-06, National Cancer Institute, "Transformation of Cells by the v-rel Oncogene", 5/93 - 3/97. Total direct costs, \$354,403; indirect costs, ~\$220,000.
- Children's Leukemia Research Association, Inc. (formerly National Leukemia Association, Inc.), "Novel Activities Associated with IκB-like Sequences", 1/1/94 - 12/31/94. Total costs, \$20,000.
- Council for Tobacco Research - USA, Inc., "Novel Activities of IκB Proteins", 7/1/94 - 6/30/97. Total Costs, \$255,000 (Direct plus Indirect Costs).
- Biomedical Research Support Shared Instrumentation Grant, NIH, "Acquisition of a Molecular Imager", 04/01/96 - 03/31/97. Thomas D. Gilmore, PI, David Waxman, co-PI; this was a Multi-User grant that involved approximately 15 PI's from Biology, Chemistry and Physics; it was prepared and coordinated primarily by me. Direct Costs, \$65,000.
- NIH Research Grant, R01 CA047763-10, National Cancer Institute, "Transformation of Cells by the v-rel Oncogene", 08/01/97 - 07/31/00. Total Direct Costs, \$515,976; Indirect Costs, \$338,111.
- Council for Tobacco Research - USA, Inc., "Genetic and Biochemical Studies of Rel and IκB Proteins in Yeast", 7/1/97-6/30/00. Total Costs, \$265,000.
- Provost's, Innovation Fund, "Caspase-Activated Molecules for Cancer Gene Therapy and Bio-Sensing", for period 06/01/99 - 05/31/00. Thomas D. Gilmore, PI. Total Costs, \$25,000.
- NIH, R01 CA047763-13, "Transformation of Cells by the v-rel Oncogene", for period 08/01/00 - 07/31/04. Thomas D. Gilmore, PI. Total Costs, \$1,086,642 (Total Direct Costs, \$675,000; Total Indirect Costs, \$411,642).
- NIH Center Grant, "Expanded Diversity Using Stereocontrolled Synthesis", for period 09/30/02 - 09/29/08. Total Costs, \$12,529,961 (\$8,278,920 DC; \$4,326,039 IDC). John Porco, Chemistry, PI; James Panek, Scott Schaus, John Snyder, co-PIs. I was the Director of the Biological Outreach Consortium related to this Center, and devote 10% effort to the project.

- NIH HD007387, "Graduate Training Grant in Endocrine Mechanisms in Reproduction", 09/01/03 - 08/31/08. (Ian Callard, PI; I was a participating member on this grant). Total Costs, \$1,083,462 (DC, \$1,050,092; IDC, \$33,370).
- NSF, REU-Site Project, "Chemistry Research Addressing Biological Problems", for period 06/01/07 - 05/31/10. John Snyder (Chemistry Dept), PI. I was one of 10 participating mentors. Total Costs, \$692,978 (Direct Costs, \$619,857; Indirect Costs, \$73,121).
- NIH, R01 CA047763-17, "Transformation of Cells by the REL Oncogene", for period 08/01/04 - 05/31/10. Thomas D. Gilmore, PI. Total Costs, \$1,629,000 (Total Direct Costs, \$1,014,000; Total Indirect Costs, \$615,000).
- NIH, R01 CA047763 Administrative Supplement for "Transformation of Cells by the REL Oncogene" (ARRA: NOT-OD-09-056) for period 07/01/09 - 05/31/11. Thomas D. Gilmore, PI. Total Costs, \$130,683.
- Arnold & Mabel Beckman Foundation, "2008 Beckman Scholars Program", for period 06/01/2008 - 08/31/2011. Thomas D Gilmore, PI. Total Costs 115,800.
- NSF, "NEAGEP Summative Evaluation: Identifying Effective Strategies for Paving the Pathway to the Professoriate", for period 06/01/11 - 05/31/12. James Staros (Umass-Amherst), PI. Total Costs, \$150,000. Thomas D Gilmore, PI of BU subcontract, \$4478 subcontract costs.
- NSF, HRD-0450339, Northeast Alliance for Graduate Education & the Professoriate, "No Longer a Dream Deferred: Greater Minority STEM Participation Through Academic and Institutional Change" for period 2005-2013. This grant was administered through the University Massachusetts Amherst (Sandy Peterson, PI). Thomas Gilmore, PI for Boston University component. Final year Direct Costs (BU only), \$151,915.
- Addgene/LabLife, Research Sharing Grant, "Upgrade to www.nf-kb.org", for period 09/01/10 - 08/31/11. Thomas D Gilmore, PI. Total Costs, \$5,000.
- NSF, REU-Site Project, "REU Site: Expanding Minority Research Opportunities in Cross-Disciplinary Biology", for period 03/01/2009 - 02/28/2013. Thomas Gilmore, PI. Total Costs, \$368,752 (Direct Costs, \$323,752; Indirect Costs, \$45,000).
- NSF, "LiT: Rel Homology Domain Signal Transduction Pathways in the Sea Anemone Nematostella vectensis", for period 07/15/2009-06/30/2014. Thomas Gilmore, John Finnerty, co-PIs. Total Costs, \$573,015.
- NIH, R01, "Design of Macrocyclic Inhibitors of the NEMO/IKKa/IKKb Protein-Protein Interaction", for period 07/01/10 - 06/30/14. Adrian Whitty, PI; Co-investigators: Sandor Vajda, Thomas Gilmore, John Porco, Karen Allen. Total Costs, \$2,000,000 (Total Direct Costs, \$1,275,000; Total Indirect Costs, \$725,000).
- Arnold & Mabel Beckman Foundation, "2011 Beckman Scholars Program", for period 06/01/2011 - 08/31/2014. Thomas D Gilmore, PI. Total Costs \$115,800.
- NIH P50, "Complex Chemotypes: Discovery, Methodology, and Library Expansion", for period 09/01/2008-08/31/2014. John Porco, PI; James Panek, Scott Schaus, John Snyder, co-PIs. I am a Faculty Associate for Biological Outreach on this proposal (5% effort). Total Costs, \$11,654,849 (Direct Costs, \$7,299,762; Indirect Costs, \$4,355,087).
- Boston University Genome Science Institute, "A Method for the Comprehensive Analysis of Changes in Transcription Factor Activity", for period 6/01/2015 – 5/31/2016. Trevor Siggers, Thomas Gilmore, co-PIs. Total Costs, \$20,000.
- NSF, "REU Site: Fundamental Research in Chemistry Addressing Problems in Biology", for period 02/01/13 - 01/31/16. John Snyder, PI. Thomas D. Gilmore, Senior Personnel. Total Costs, \$419,636.
- NSF, 1262934, "REU Site: Interplay Between Genes and the Environment", for period 03/01/13 - 02/28/17. Thomas D. Gilmore, PI. Total Costs, \$476,067 (DC, \$421,855; IDC, \$54,212).
- Arnold & Mabel Beckman Foundation, "2014 Beckman Scholars Program", for period 06/01/2014 - 08/31/2017. Thomas D Gilmore, PI. Total Costs \$115,800.

Current Funding

- NSF, CHE-1156666, "REU Site: Fundamental Research in Chemistry Addressing Biological Problems". Linda Doerrer, Co-PI. Gilmore, participating faculty. 05/01/2016 – 04/30/2019. \$315,000 total cost.
- NSF, IOS-1354935, "NF-kappaB in Cnidarian Development", for period 09/01/14 - 08/31/18. Thomas D. Gilmore, PI; John R. Finnerty & Trevor Siggers, co-PIs. Total Costs \$870,000 (DC, \$531,460; IDC, \$338,540).
- NSF IOS-1557804, "Glycan Recognition and the Role of Innate Immunity in Cnidarian-dinoflagellate Symbioses", for period 01/15/16 - 01/14/19. Virginia Weis, PI; Thomas Gilmore, Sandra Loesgen, co-PIs. Total Costs \$583,279.
- NIH R01, GM117350, "Molecular Mechanism of the NFkappaB Essential Modulator in Human Immunodeficiencies", for period 07/01/16 - 06/30/20. Adrian Whitty, PI; Thomas Gilmore, Karen Allen, co-Investigators. Total Costs \$1,369,200 (DC, \$840,000; IDC, \$529,200).
- Arnold & Mabel Beckman Foundation, "2017 Beckman Scholars Program", for period 06/01/2017 - 08/31/2020. Thomas D Gilmore, PI. Total Costs \$156,000.
- NSF, BIO-1659605, "REU Site: Control of Gene Expression for Biological Effect", for period 02/01/17 - 01/31/21. Thomas D. Gilmore, PI. Total Costs \$477,763 (DC, 432,480; IDC, 45,283).
- NSF, ROA Supplement to IOS-1354935, "NF-kappaB in Cnidarian Development", for period 09/01/17 - 12/31/17. Thomas D. Gilmore, PI; Trevor Siggers, Judith Humphries (Lawrence University), co-PIs. Total Costs \$25,000, funded.

Pending and Planned Grants

- NSF, "Immunity in Cnidarian symbiosis and loss of symbiosis". In preparation for submission in early 2018, on the new rolling basis at NSF.

Departmental and University Committees

Departmental Committees: Seminar (1989-1995, 1997-98); Graduate Student (1988-98); Belamarich Award (1991-92, 2013); Search for Administrative Assistants (1995-96); Administrator of Departmental French Exams (1988-2005); Faculty Search (1992-93; 1997-98; 2000-01 [Committee Chairman]; 2005; 2006); Chairman's Advisory (1998-2000); Turner Award Committee (2003); Research & Honors (1990-1993; 2003-present); Associate Chair, Cell & Molecular Biology Group (2007-08, 2016-17); Computer (2006-16); Appointments, Promotion & Tenure (2011-12, 2016-18)

College and University Committees: Patent Policy (1990-1994); Hubert Humphrey Cancer Research and Biomedical Seed Grant Review (1989-2003); Member, Boston University Cancer Center (2007-present); Biology Department Chairman Search (1996-97); College of Arts & Sciences Appointments, Promotion & Tenure (1996-98; 2004); Biochemistry & Molecular Biology Program (2000-present); Undergraduate Research Opportunities Program (2003-06); Institutional Animal Care & Use (2003-06); Conflict of Interest (2003-06); Co-Director, Biological Consortium of Center for Chemical Methodology & Library Development (2002-14); Director, Undergraduate Research Opportunities Program (2007-14); Metcalf Prize Selection (2009-2010); Case-Melville Scholarship (2011); University Appointments, Promotion & Tenure (2015-17); Hartwell Foundation Grants Review (2016); Peter Paul Grant Reviews (2016); Post-doctoral Seed Grant Reviews (2016); BU Clinical and Translational Science Institute Grant Reviews (2016); Provost's Graduate Student Professional Development Task Force (2017-18); Provost's Advisory Committee on RCR training (2017)

Professional Peer Review Committees and Activities

1. Reviewer of Grants for American Cancer Society Institutional Award to Boston University, 1989-2002.
2. Member, NIH site visits for program project grants at Salk Institute, La Jolla, CA. October 17-19, 1990 and October 18-20, 2000.
3. *Ad hoc* reviewer for grants to the following agencies: March of Dimes Society, 1990; the Canadian Cancer Society, 1991; the John Sealy Memorial Endowment Fund, 1992; the Philip Morris External Research Program, 2002-04; Cancer Research UK, 2002-2004; the Ohio Cancer Research Associates, 2003, 2015; Erwin Schrödinger Prize (Germany), 2003; American Institute of Biological Sciences and the US Army Research and Material Command, 2003; Research Grants Council of Hong Kong, 2004, 2006; New Jersey Commission on Cancer Research, 2006-09; Yale Skin Diseases Research Core Center, 2006; National Medical Research Council of Singapore, 2008; Nanyang Assistant Professorship Award, Singapore, 2008; Hunter College SCORE program, 2009-10; PSC-CUNY Grant Program, 2012; Italian Association for Cancer Research, 2003, 2007-17; Research Councils of UK, 2016.
4. Member, American Cancer Society Study Sections: Molecular Biology & Genetics, 1991; and Virology & Molecular Genetics, 1993.
5. Reviewer of Grants for Boston University Biomedical Seed Grants, 1990-1993.
6. Member, NIH Special Study Section for Review of Research Grants on "Domestic Animal Models for Retrovirus-Associated Human Cancers", July 26-27, 1992.
7. Member, NIH site visit for program project grants at the National Cancer Institute, Frederick, Maryland, December 8-9, 1994, and December 11-12, 1997.
8. *Ad hoc* Reviewer for Research Grants submitted to the National Science Foundation in 1995, 1996, 1997, 1998, 2003; and for NIH Grants, November 2001 and November 2008.
9. Member, NIH site visit for program project grant at the University of California at San Diego, October 16-18, 1996.
10. Member, NIH Study Section for Shared Instrumentation Grants, October, 1997 and October, 1999.

11. Member, NIH Study Section in Experimental Virology, June 11-13, 2003.
12. Member, NSF Study Panel, May, 2017.
13. *Ad hoc* reviewer of PI programs at the National Cancer Institute, October, 1998 and June, 2006; and at the National Institute for Allergy & Infectious Diseases, June 2011.
14. Member, New Jersey Commission on Cancer Research, Post-doctoral Review Panel, October, 2009.
15. Biotechnology Consultant: Ariad Pharmaceuticals, 2002-04; Synta Pharmaceuticals, 2005-06; Ono Pharmaceuticals, 2009-10; Cell Signaling, 2008-present; Carmot Pharmaceuticals, 2012-present.
16. Beckman Foundation Scholars Program Advisory Committee, 2008-10, 2017; Beckman Foundation Postdoctoral Review Committee, 2016.
17. External reviewer of Biology Degree Program at University of Balamand in Dubai, 2017.
18. External reviewer of Biology PhD Degree Program at University of Massachusetts-Lowell, 2018.
19. While at Boston University, I have served as an *ad hoc* reviewer for articles for the following journals: *Oncogene* (94 articles), *Molecular and Cellular Biology* (50), *Journal of Virology* (34), *Journal of Cell Science* (22), *Proceedings of the National Academy of Sciences USA* (22), *Cancer Letters* (12), *Journal of Biological Chemistry* (8), *Gene Expression* (6), *Journal of Clinical Investigation* (9), *Cancer Research* (7), *Biochimica et Biophysica Acta* (5), *The EMBO Journal* (4), *Journal of Immunology* (6), *Journal of Cellular Biochemistry* (4), *International Journal of Cancer* (6), *Blood* (7), *International Journal of Biochemistry and Cell Biology* (3), *FEBS Letters* (3), *Leukemia* (2), *Molecular Biology of the Cell* (3), *Virology* (2), *Cell Growth & Differentiation* (2), *Trends in Biochemical Sciences* (2), *Applied Immunohistochemistry & Molecular Morphology* (2), *Current Cancer Therapy Reviews* (2), *Genetic Analysis* (2), *BioEssays* (2), *PLoS ONE* (4), *Expert Opinion on Therapeutic Targets* (2), *Trends in Cell Biology* (2), *Genes & Cancer* (2), *Molecules* (2), *Science Signaling* (2), *Nature* (1), *Nature Communications* (6), *Journal of Molecular Biology* (2), *Oncotarget* (3), *Nature Structure & Molecular Biology* (1), *Nature Reviews Drug Discovery* (1), *Science* (1), *Cancer Cell* (1), *Cell Reports* (2), *Molecular Cell* (1), *Genes & Development* (1), *Biochemical Journal* (1), *Endocrinology* (1), *Gene* (1), *Chemical Biology* (1), *Cell Cycle* (1), *Molecular Pharmacology* (1), *Leukemia and Lymphoma* (1), *Molecular Systems Biology* (1), *Genome Research* (1), *Journal of Pathology* (1), *PLoS-Biology* (1), *BioTechniques* (1), *British Journal of Cancer* (1), *European Journal of Cancer* (1), *Oncogene Research* (1), *International Journal of Medical Sciences* (1), *Journal of Neuroscience* (1), *Cancer Gene Therapy* (1), *Current Cancer Drug Targets* (1), *Retrovirology* (1), *The New Biologist* (1), *Nucleic Acids Research* (1), *Biochemical Pharmacology* (1), *Molecular Cancer Therapeutics* (1), *Journal of Molecular Medicine* (1), *IUBMB Life* (1), *Clinical Cancer Research* (1), *Cellular and Molecular Life Sciences* (1), *Future Medicinal Chemistry* (1), *Experimental Cell Research* (1), *Expert Review of Molecular Diagnostics* (1), *European Journal of Pharmacology* (1), *Journal of Histochemistry & Cytochemistry* (1), *Journal of Biochemical and Biophysical Methods* (1), and *The Oncogene Factsbook* (1).

Courses taught at Boston University

BI553 Molecular Biology II; Sp 1988-1999. This is a lecture course where I gave either 14 lectures (when co-taught) or 28 lectures (when fully taught by me).

BI583/584 Progress in Cell & Molecular Biology (co-taught);

Fall/Sp 1988-2005, 2009-14. This is a year-long graduate student seminar series. I organized this course, coordinate student speakers, and determine grades.

BI584 Seminar on Viral and Cellular Oncogenes; Spring, 1988. This was a graduate student seminar course taught by me. I gave three lectures in the course and arranged student topics and papers for other discussion sections.

BI421/621 Virology; Fall 1988. This was a lecture course completely developed and taught by me, I gave 26 lectures in this course.

BI582 Seminar in the Molecular Mechanisms of Carcinogenesis; Spring, 1998. Advanced seminar course. I gave 4 lectures in this course and arranged student and guest presentations.

BB522 Molecular Biology Laboratory; Spring, 2001-present. Undergraduate Laboratory in Molecular Biology. 29 lectures/labs.

BI576 Carcinogenesis. Spring, 2011-17. Lecture course, co-taught with Dr Kim McCall.

BI581 Grant Writing Seminar. Fall, 2015. Seminar in grant writing for grad students.

Students and Post-Doctoral Fellows Supervised

Post-doctoral Fellows (2)

1. **Dr. Marieke Koedood Zhao**, 1995-1998 (supported by Fellowship from the Lymphoma Research Foundation). 1998-2004, Staff Scientist and Principal Research Scientist, Wyeth BioPharma, Andover, MA. 2008-present, Research Scientist, ImmunoGen, Waltham, MA.

2. **Dr. Jean-Charles Epinat**, 1997-1999 (supported by a Fellowship from the World Health Organization). 1999-present, Collectis, Inc., Paris, France, currently Chief Technical Officer,

PhD Students (23)

1. **Paul Richardson**, 1987-1991, PhD. Post-doctoral fellow at Harvard Medical School with Dr. Leonard Zon, 1991-93; Senior Scientist at Leukosite, Inc., Boston, MA, 1993-95; Senior Scientist at Alphagen, Woburn, MA 1996; Production Manager, MIT Center for Genome Research, 1996-98; Senior Research Scientist then Head R&D, Lawrence Livermore Genome Center, 1998-2008; Vice President Research & Development, Progrentech, 2008-10; PR Consulting LLC, 2010-13; CEO, MicroTrek Inc., 2013-present.

2. **George Mosialos**, 1988-1993, PhD. Leukemia Society of America post-doctoral fellow at Harvard Medical School with Dr. Elliott Kieff, 1993-1996; Instructor at Harvard Medical School, 1996-1999; Assistant Professor at Harvard Medical School, 1999; Principal Investigator, Alexander Fleming Research Institute, Athens, Greece, 1999-2003; Professor, University of Thessaloniki, Greece, 2003-present.

3. **Anthony Capobianco**, 1988-1993, PhD. Post-doctoral fellow at University of California at San Francisco with Dr. J. Michael Bishop, 1993-98; Assistant Professor at the University of Cincinnati College of Medicine, 1998-2003; Associate Professor, Wistar Institute, 2003-08. Professor and Director, Program in Molecular Oncology, University of Miami Medical School, 2008-present.

4. **Patrice Morin**, 1990-1994, PhD. Post-doctoral fellow (1994-97) and Faculty Research Associate (1997) at Johns Hopkins Medical School with Dr. Bert Vogelstein; Senior Investigator and Chief of Cancer Genomics & Signaling Section, National Institute of Aging, Baltimore, MD, 1998-2012; Director of Grants Programs, American Association of Cancer Research, 2012-present.

5. **Sugata Sarkar**, 1988-1994, PhD. Post-doctoral fellow at Ariad Pharmaceuticals (1994-97) and Harvard Medical School (1997-99) with Dr. Joan Brugge; Intern, Office of Technology Licensing, Children's Hospital of Harvard Medical School, 1999-00; Biotechnology Patent and Licensing consultant in Germany, 2000-present.

6. **Saïd Sif**, 1991-1995, PhD. Post-doctoral fellow at Massachusetts General Hospital with Dr. Robert Kingston (1995-00); Assistant/Associate Professor, Ohio State Medical School, 2000-14; Associate Professor, Qatar University, 2014-present.

7. **David White**, 1993-1996, PhD. Post-doctoral fellow at Millennium Pharmaceuticals, Cambridge, MA with Dr. Louis Tartaglia, 1996-98; Senior Research Scientist, Millennium Pharmaceuticals, Cambridge, MA, 1998-2004; Director of Molecular & Cellular Pharmacology Research, Gene Logic, Inc., Cambridge, MA 2004-08; Vice President, Agios Pharmaceuticals, 2008-09; Senior Consultant, WDW Bio-Pharmaceuticals, 2009-10; Consultant, ThirdRock

Ventures, Boston, MA 2010-11; Vice President of Metabolic Disease, Ember Therapeutics, Watertown, MA 2012-15; Vice President, Evelo Therapeutics, Cambridge, MA 2015-16; Professional Consultant, 5AM Ventures, 2016-present.

8. Margaret Barkett, 1995-2000, PhD. Post-doctoral fellow at Boston University with Dr. Kimberly McCall, 2000-2003. Intern, MIT Technology Licensing Office, 2008-2009; Technology Licensing Associate, Nationwide Childrens Hospital, Columbus, OH 2010-present.

9. Kathryn Piffat, 1993-2001, PhD. Industrial Patent Attorney at Edwards, Angell, Palmer & Dodge, 2002-11; at Edwards, & Wildman, 2011-13; Instructor, Boston University School of Law, 2013-15; Patent Law Attorney, Pearl Cohen, Boston, 2016-present.

10. Yuan Wang, 1997-2002, PhD. Post-doctoral fellow at Children's Hospital of Harvard Medical School, Boston, MA with Dr. George Daley, 2002-06; Research Fellow, NIEHS, North Carolina, 2006-09; Principal Investigator, Institute of Biomedical Sciences, East China Normal University, Shanghai, 2009-present; Assistant Professor, Michigan State University, 2017-present.

11. Maria-Emily Gapuzan, 1996-2003, PhD. Research Associate III, Cedars-Sinai Medical Center, Los Angeles, CA, 2003-05. JD, 2007, California Western School of Law. Project Director, EduStream/San Bernadino Community College District, 2009. Lab Manager: San Diego State University, 2010-present.

12. Daniel Starczynowski, 2000-2005, PhD. Post-doctoral Fellow at the British Columbia Cancer Research Centre with Dr. Aly Karsan, 2005-10. Assistant/Associate Professor, Children's Hospital-University of Cincinnati Medical School, 2010-present.

13. Demetrios Kalaitzidis, 2000-2005, PhD. Post-doctoral Fellow at Harvard Medical School/Beth Israel Hospital with Dr. Benjamin Neel, 2006-2009; with Dr Gary Galliland, Harvard Medical School, 2008-2009; with Dr Scott Armstrong, Harvard Medical School, 2009-11. Instructor, Harvard Medical School, 2011-15; Senior Scientist, CRISPR Therapeutics, Cambridge, MA, 2015-present.

14. Mei-Chih Liang, 2000-2005, PhD. Post-doctoral Fellow at the Dana Farber Cancer Research Center with Dr. Kwok-kin Wong, 2006-2010. Assistant Professor, National Chiao Tung University, Taiwan, 2010-present.

15. Joshua Leeman, 2002-2008, PhD. Scientist II, currently Associate Director of Business Development, Vertex Pharmaceuticals, Cambridge, MA 2008-present.

16. Melanie Herscovitch, 2005-2009, PhD. Operation Scientist and Associate Director of Marketing and Communications, Addgene, Cambridge, MA, 2009-12. Associate Director of Communications, Canadian Cancer Society, 2012-13; Regional Account Manager, Cellectis, Cambridge, MA 2013-14; Sales Consultant, Beckman Coulter Genomics, Danvers, MA 2014-present.

17. Michael Garbati, 2002-2009, PhD. Post-doctoral Fellow, Boston University, 2009-10. Post-doctoral Fellow at the Portland Veterans Hospital with Dr Grover Bagby, 2010-present.

18. Francis Wolenski, 2006-2012, PhD. Post-doctoral Fellow, Boston University 2012. Post-doctoral Fellow, Millennium Pharmaceuticals, 2012-14; Scientist, Millennium/Takeda Pharmaceuticals, 2014.

19. Emily Pace, 2007-2012, PhD. Scientist, Merrimack Pharmaceuticals, Cambridge, MA, 2012-14. Translational Scientist, Celgene, 2015-present.

20. Ryan Thompson, 2008-2013, PhD. Contract Scientist, Infinity Pharmaceuticals, Cambridge, MA, 2013. Associate Scientist, Agios Pharmaceuticals, Cambridge, MA 2013-14; Senior Project Manager, LGC Genomics, Manchester, NH, 2015-present.

21. Leila Haery, 2009-2015, PhD. Post-doctoral Faculty Fellow, Boston University, 2015-16. Scientist, Addgene, Cambridge, MA, 2016-present.

22. Joseph Brennan, 2014-present, PhD Candidate, in progress.

23. Katelyn Mansfield, 2014-present, PhD Candidate, in progress.

24. Leah Williams, BS, Wheaton College, 2013. 2016-present, PhD Candidate, in progress

25. **Chris Di-Russo**, College, 2013. 2017-present, PhD Candidate, in progress

26. **Joshua Augirre Carrier**, BS, UMass Boston, 201x. 2017-present, PhD Candidate, in progress

Masters Students (41)

Helen Yeon, Library Research Paper Masters, 1990; **Blanca Gomendio**, Library Research Paper Masters, 1990; **Lu-Ann Pozzi**, Research Thesis Masters, 1990 (at Harvard Med School); **Kathryn Piffat**, Library Research Paper Masters, 1992; **John Childs**, Library Research Paper Masters, 1992; **Lori Zieran**, Library Research Paper Masters, 1993; **Adrian Codel**, Library Research Paper Masters, 1994; **Jacqueline DePaulo**, Library Research Paper Masters, 1995; **Jessica Downs**, Research Thesis Masters, 1995; **Eric Walsh**, Library Research Paper Masters, 1996; **Paula Acierno**, Library Research Paper Masters, 1996; **Amal Al-Garawi**, Library Research Paper Masters, 1996; **Tracey Budzinski**, Library Research Paper Masters, 1996; **Rami Najjar**, Library Research Paper Masters, 1996; **Heng-Hsui Hsu**, Library Research Paper Masters, 1997; **Sophie Shen**, Library Research Paper Masters, 1997; **Stacey May**, Library Research Paper Masters, 1997; **Thomas Brown**, Library Research Paper Masters, 1998; **Daniel Harkness**, Research Masters, 1998; **Viradeth Phiuphonphan**, Library Research Paper Masters, 1999; **Soheun Choo**, Library Research Paper Masters, 1999; **Danielle Ablamsky**, Research Masters, 2001; **Jennifer Scarpati**, Library Research Paper Masters, 2002; **Anthony Faber**, Library Research Paper Masters, 2003; **Joseph Reynolds**, Research Masters, 2003; **John Ok**, Research Masters, 2003; **Tina Marfatia**, Research Masters, 2003; **Sheila Yong**, Research Masters, 2005; **Ashley Pollock**, Research Masters, 2005; **Vincent DiGiacomo**, Research Masters, 2006; **Courtney French**, Research Masters, 2007; **Vanessa Chiu**, Research Masters, 2007; **Alexis Clough**, Research Masters, 2009; **Ian Zhao**, Research Masters, 2010; **Ahalya Kodali**, Research Masters, 2010; **Melanie Baird**, Research Masters, 2010; **Alan Yeo**, Research Masters, 2011; **Bhaven Mehta**, Research Masters, 2012; **Ashley Power**, Research Masters, 2013; **Michael Gardner**, 2013-14; **Marinaliz Reynoso**, 2014-15

Undergraduate Research Students (91)

Joyce Tay, Honors Research, 1989; **Alfredo Sabbaj**, Directed Research, 1989; **Adrienne Denny**, Directed Research, 1990; **J Dawn Conklin**, Honors Research, 1991; **David Chang**, Honors Research, 1992; **Gita Subramanian**, Directed Research and Honors Research, 1992-93; **Joanne Quiñones**, Honors Research, 1993; **Rashel Feinstein**, Honors Research (Hughes Fellowship), 1993-94; **Marc Suárez**, Summer Research (NSF Fellowship), 1993; **Ahmed Suliman**, Summer Research (NSF Fellowship), 1993; **Peter Crompton**, Honors Research (Hughes Fellowship), 1994-95; **Pamela Wright**, Summer Research (NSF fellowship), 1994; **Jasmine Dave**, Honors Research (Hughes Fellowship), 1995-96; **Sidong Huang**, Honors Research (Hughes Fellowship), 1995-96; **Steven Petros**, Honors Research (Hughes Fellowship), 1996-97; **Karen Lee**, Summer Research (NSF Fellowship), 1996; **Julia Dooher**, Summer Research (NSF Fellowship), 1997; **Dickran Kazandjian**, Honors Research (NSF and Hughes Fellowships), 1997-99; **Kerry Murphy**, Honors Research (Hughes Fellowship), 1997-98; **LaVone Simmons**, Summer Research (NSF Fellowship), 1998; **Lori Lemonnier**, Honors Research, 1998-99; **Evan Dvorin**, Honors Research (Hughes Fellowship), 1999-00; **Pavel Yufit**, Honors Research (NSF Fellowship), 1999-00; **Catherine Cormier**, Honors Research (Beckman Scholar), 1999-01; **Beevash Ray**, Summer Research (NSF Fellowship), 2000; **Troy Holder**, Summer Research (Minority Undergraduate Research Fellowship), 2000, 2001; **Baron Ziegler**, Honors Research, 2000-01; **Tammy Holm**, Honors Research, 2000-01; **Allison Gerber**, Directed Research, 2000; **Emily Pace**, Directed Research, 2000-02; **Juhee Kim**, Summer Research (NIH Research Fellowship), 2001,

Directed Research, 2002; **Sarika Das**, Summer Research (NSF Fellowship), 2001; **Benedicte Rabier**, Summer Research (French Fellowship), 2001; **Meghan Porter-Mahoney**, Summer Research, 2001; **John Ok**, Directed Research, 2002-03; **Rebecca Richards**, Summer Research (NSF Fellowship), 2002; **Konrad Kulikowski**, Summer Research (NIH Fellowship), 2002; **Vineet Prabhu**, Summer Research, 2002, 2003; Directed Research, 2002-03; Honors Research, 2003-04; **Diana Rosman**, Directed Research, 2002-03; **Tina Marfatia**, Directed Research, 2003; **Joseph Khabbaza**, Summer Research (NIH Fellowship), 2003; **David Gorkin**, Summer Research and Honors Research, 2003-04; **Ashley Pollock**, Summer Research and Directed Research, 2003-04; **Shelia Yong**, Summer Research and Honors Research, 2003-04; **Darcy Hutchinson**, Directed Research, 2004-05; **Angela Pardee**, Directed Research, 2004-05; **William Comb**, Directed Research, 2005-06; **Jonathan Africa**, Honors Research, 2005-06; **Kate Coleman**, Directed Research, 2006-07; **Haley Goucher**, Directed Research, 2006-07; **Nasen Zhang**, Honors Research, 2006-07; **Kristina Costa**, PROSTARS Summer Research, 2007; **Brinda Armstead**, Summer Research, 2007; **Melissa Chin**, Beckman Scholar, 2006-08; **Tom Ennis**, Honors Research, 2007-08; **Erica Dresselhaus**, 2007-08, Honors Research; **Anu Hazra**, Directed Research, 2007-08, **Moritz Brueggemann**, NSF-Summer Research, 2008; **Rosimar Zargoza-Rivera**, NSF-Summer Research, 2008; **Brendan Horton**, 2008-09, Honors Research; **Natasha Gill**, Directed Research, 2008-09; **Tyler Ford**, Beckman Scholar, 2008-10; **Ning Jiang**, Directed Research, 2009-10; **Gökçen Alco**, PROSTARS NSF Summer Research, 2009; **Siloe Alvarado**, NSF-Summer Research, 2009; **Alan Yeo**, Directed Studies, 2009-11; **Nicole Repina**, Summer Research and Directed Research, 2010-11; **Kevin Vargas Feliciano**, NSF-Summer Research, 2010; **Kate Zulauf**, Directed Research, 2010-11; **Kimberley Glover**, Summer and Directed Research, 2010-12; **Ashley Power**, Work Study and Summer Research 2010-12; **Mike Patlajan**, Directed Research 2011; **Kenny Moreno**, PROSTARS Summer Research, 2011; **Julian Lugo-Pico**, NSF Summer Research, 2011; **Maria Liberti**, NSF Summer Research, 2012; **Iosif Vardinogiannis**, Summer Research, 2012; **Urs Weber**, 2012-14; **Amy Acevedo**, NSF-Summer Research, 2013; **Marinaliz Reynoso**, Summer and Directed Studies 2013-14; **Audrey Lambert**, Beckman Scholar, 2013-15; **Nicole Carter**, Directed Research, 2014-15; Beckman Scholar 2015- ; **Anara Alshanbayeva**, Directed Research, 2014-15; **Suhaily Penix**, NSF Summer Research, 2014-15; **Larisa Kagermazova**, Directed Research, 2015-16 ; **Sultan Mussakhan**, Kazakh Summer Fellowship, 2015; **Amber Thiel**, Summer and Fall Research, 2015; **Jonathan Messerschmidt**, Directed Studies, Beckman Scholar, 2015-; **Yuekun Liu**, Summer Research, 2016- ; **Milad Babaei**, Summer Research, 2016-; **Eric Salas Rodriguez**, NSF Summer Research, 2016; **Monique Pedroza**, NSF Summer Research, 2016

High School Research Students (8)

Alison Snodgras, Lawrence Sulak, Daniel Aaron, Sameer Patel, Donald Lei, Geetha Gowda, Julie Welsh, Karen Ruiz Moreno

Meeting Abstracts While at Boston University (193)

Richardson P & **T Gilmore**. 1988. Transformation by and subcellular localization of *dorsal/v-rel* hybrid gene products. Fourth Annual Meeting on Oncogenes. July, 1988. Frederick, Maryland. Abstract, poster.

Richardson P, G Mosialos, J Kamens, R Brent & **T Gilmore**. 1989. Transcription activation by rel and dorsal proteins. Fifth Annual Meeting on Oncogenes. July, 1989. Frederick, Maryland. Abstract, oral presentation.

Capobianco A, D Simmons & **T Gilmore**. 1989. Isolation and characterization of a chicken *c-rel* cDNA clone. Fifth Annual Meeting on Oncogenes. July, 1989. Frederick, Maryland. Abstract, poster.

Richardson P, G Mosialos, J Kamens, R Brent & **T Gilmore**. 1990. Transformation by Rel proteins correlates with gene activation in yeast. American Association for Cancer Research meeting on Steroid Receptors, Transcription Factors, and Gene Expression. February, 1990. San Diego, California. Abstract, poster.

Capobianco A, P Richardson & **T Gilmore**. 1990. Transcriptional activation by rel and dorsal proteins, and control of chicken *c-rel* expression. Sixth Annual Meeting on Oncogenes. June, 1990. Frederick, Maryland. Abstract, oral presentation.

Dailey D, GL Schieven, H Marquardt, MY Lim, **T Gilmore**, J Thorner & GS Martin. 1990. Protein-tyrosine kinase activity associated with a 40 kDa phosphotyrosyl-protein from the yeast *Saccharomyces cerevisiae*. Sixth Annual Meeting on Oncogenes. June, 1990. Frederick, Maryland. Abstract, poster.

Mosialos G, P Richardson, P Hamer, & **T Gilmore**. 1991. Mutational analysis of a conserved consensus site for phosphorylation by protein kinase A in rel proteins. Seventh Annual Meeting on Oncogenes. June, 1991. Frederick, Maryland. Abstract, poster.

Capobianco A, P Morin, D Chang & **T Gilmore**. 1991. Isolation and characterization of *rel*-related genes. Seventh Annual Meeting on Oncogenes. June, 1991. Frederick, Maryland. Abstract, poster.

Capobianco A, S Sif, & **TD Gilmore**. 1992. Activation of cellular Sp1 by vRel, and construction and characterization of a conditional vRel mutant. Eighth Annual Meeting on Oncogenes. June, 1992. Frederick, Maryland. Abstract, poster.

Morin P & **TD Gilmore**. 1992. Gene activation by GAL4 fusion proteins containing the C terminus of NF- κ B p105 and I κ B. Eighth Annual Meeting on Oncogenes. June, 1992. Frederick, Maryland. Abstract, poster.

Mosialos G & **TD Gilmore**. 1992. Mutations in a conserved protein kinase-A recognition site differentially affect binding of vRel and cRel to κ B sites. Eighth Annual Meeting on Oncogenes. June, 1992. Frederick, Maryland. Abstract, oral presentation.

Sarkar S & **TD Gilmore**. 1993. Transforming domains in vRel. Boston Area Graduate Student Symposium. March 6, 1993. Harvard Medical School. Abstract, oral presentation.

Morin P & **TD Gilmore**. 1993. Involvement of I κ B proteins in transcriptional activation. April, 1993. Boston University Science Research Day. Abstract, poster presentation.

Sarkar S & **TD Gilmore**. 1993. Transforming domains of the vRel oncoprotein. April, 1993. Boston University Science Research Day. Abstract, poster presentation.

Sarkar S, DW White & **TD Gilmore**. 1993. Functions important for transformation by the vRel oncoprotein. Ninth Annual Meeting on Oncogenes. June, 1993. Frederick, Maryland. Abstract, poster presentation.

Sif S & **TD Gilmore**. 1993. Characterization of avian *rel*/NF- κ B related cDNAs. Ninth Annual Meeting on Oncogenes. June, 1993. Frederick, Maryland. Abstract, poster presentation.

Morin PJ & **TD Gilmore**. 1993. Involvement of I κ B proteins in transcriptional activation. Meeting on Cancer Cells: regulation of eukaryotic mRNA transcription. September 2-5, 1993. Cold Spring Harbor, NY. Abstract, poster presentation.

White DW & **TD Gilmore**. 1994. Use of a temperature-sensitive mutant of the v-Rel oncoprotein to study programmed cell death. Tenth Annual Meeting on Oncogenes. June, 1994. Frederick, Maryland. Abstract, oral presentation.

White DW & **TD Gilmore**. 1995. Use of a temperature-sensitive mutant of the v-Rel oncoprotein to study programmed cell death. Tenth Annual Meeting on Oncogenes. January, 1995. Keystone, Colorado. Abstract poster presentation. *Journal of Cellular Biochemistry* 19A:64 (A1-370).

Downs J, Morin P & **TD Gilmore**. 1995. Growth inhibition and transcriptional activation by GAL4-I κ B in *Saccharomyces cerevisiae*. Keystone Symposium "Oncogenes: 20 Years Later". January, 1995. Keystone, Colorado. Abstract, poster presentation. *Journal of Cellular Biochemistry* 19A:32 (A1-219).

White DW & **TD Gilmore**. 1995. Use of temperature-sensitive (ts) mutants of the v-Rel oncoprotein to study apoptosis in chicken spleen cells. April 19, 1995. Boston University Science Research Day. Abstract, poster presentation.

White DW & **TD Gilmore**. 1995. Use of temperature-sensitive mutants of the v-Rel oncoprotein to study apoptosis in chicken spleen cells. Eleventh Annual Meeting on Oncogenes. June, 1995. Frederick, Maryland. Abstract, poster presentation.

White DW, Pitoc G & **TD Gilmore**. 1995. Mutational analysis of v-Rel: protein-protein interactions required for transformation of chicken spleen cells. Eleventh Annual Meeting on Oncogenes. June, 1995. Frederick, Maryland. Abstract, oral presentation.

- Piffat KA, S Huang, S Sif & **TD Gilmore**. 1996. Preliminary characterization of cDNAs encoding the chicken RelB transcription factor. Boston Area Graduate Student Symposium. March 16, 1996. Harvard Medical School. Abstract, poster presentation.
- Piffat KA, S Huang, S Sif & **TD Gilmore**. 1996. Preliminary characterization of cDNAs encoding the chicken RelB transcription factor. Boston University Graduate Student Science Research Day. April 11, 1996. Boston University. Abstract, poster presentation.
- White DW & **TD Gilmore**. 1996. Anti-apoptosis proteins Bcl-2 and CrmA have different effects on transformation, immortalization, and the stability of I κ B- α in spleen cells transformed by temperature-sensitive mutants of v-Rel. Twelfth Annual Meeting on Oncogenes. June, 1996. Frederick, Maryland. Abstract, oral presentation.
- Koedood M & **TD Gilmore**. 1996. Isolation of cDNAs encoding proteins that interact with C-terminal sequences of v-Rel. Twelfth Annual Meeting on Oncogenes. June, 1996. Frederick, Maryland. Abstract, poster presentation.
- Gilmore, TD**. 1996. Malignant transformation of chicken cells by the v-Rel oncoprotein. Meeting on NF- κ B/I κ B proteins: their role in cell growth, differentiation and development. Instituto Juan March de Estrudios e Investigaciones, Madrid, Spain, July 8-10, 1996. Abstract, oral presentation. pp 23-24.
- Barkett M, D Xue & **TD Gilmore**. 1997. Rel transcription factors and I κ B inhibitors are substrates for the cell-death protease CPP32. Boston University Graduate Student Science Research Day. April 9, 1997. Boston University. Abstract, poster presentation.
- Piffat KA, T Ikeda, R Hrdlickova, S Huang, S Sif, A Liss, HR Bose Jr & **TD Gilmore**. 1997. Characterization of the chicken RelB transcription factor. Boston University Graduate Student Science Research Day. April 9, 1997. Boston University. Abstract, poster presentation.
- Piffat KA, T Ikeda, R Hrdlickova, S Huang, S Sif, A Liss, HR Bose Jr & **TD Gilmore**. 1997. Characterization of the chicken RelB transcription factor. Boston Area Graduate Student Symposium. April 12, 1997. Harvard Medical School. Abstract, poster presentation.
- Barkett M, D Xue, HR Horvitz & **TD Gilmore**. 1997. Rel/NF- κ B transcription factors and I κ B inhibitors are substrates for the cell-death protease CPP32. Gordon Research Conference. June 29-July 4, 1997. New London, New Hampshire. Invited Abstract, poster presentation.
- Piffat KA, T Ikeda, R Hrdlickova, S Huang, S Sif, J Nehyba, A Liss, HR Bose Jr & **TD Gilmore**. 1997. Characterization of the chicken RelB transcription factor. Gordon Research Conference. August 3-8, 1997. Salve Regina University, Newport, RI. Abstract, poster presentation.
- Barkett M, D Xue, HR Horvitz & **TD Gilmore**. 1998. Rel/NF- κ B transcription factors and I κ B inhibitors are substrates for the cell-death protease CPP32. Boston University Biology Department Symposium. May, 1998. Woods Hole, MA. Abstract, poster presentation.
- Barkett M, J Doohar, Y Wang & **TD Gilmore**. 1998. Mutations in cell-death caspase cleavage sites in v-Rel. 14th Annual Meeting on Oncogenes. June 24-27, 1998. The Salk Institute, La Jolla, CA. Abstract, oral presentation.
- Koedood Zhao M, K Murphy & **TD Gilmore**. 1998. Isolation of a possible co-activator of the v-Rel transcription factor. 14th Annual Meeting on Oncogenes. June 24-27, 1998. The Salk Institute, La Jolla, CA. Abstract, poster presentation.
- Barkett M, J Doohar, Y Wang & **TD Gilmore**. 1998. Mutations in cell-death caspase cleavage sites in v-Rel and c-Rel. Second Annual Boston University Biology Department Retreat. October 17-18, 1998. Sargent Camp, NH, oral presentation.
- Barkett M, JE Doohar, L Lemonnier, Y Wang & **TD Gilmore**. 1999. Mutations in cell-death caspase cleavage sites in the retroviral oncoprotein v-Rel. Graduate Student Science Research Day. March 31, 1999. Boston University. Abstract, poster presentation.
- Gapuzan M-ER, GA Pitoc & **TD Gilmore**. 1999. Creation of temperature-sensitive cellular Rel transcription factors. Graduate Student Science Research Day. March 31, 1999. Boston University. Abstract, poster presentation.
- Gapuzan M-ER, GA Pitoc & **TD Gilmore**. 1999. Creation of temperature-sensitive cellular Rel transcription factors. Boston Area Graduate Student Science Research Day. April 10, 1999. Hoagland-Pincus Conference Center, Shrewsbury, MA. Abstract, poster presentation.
- Barkett M, JE Doohar, L Lemonnier, Y Wang & **TD Gilmore**. 1999. Mutations in cell-death caspase cleavage sites in the retroviral oncoprotein v-Rel. Cold Spring Harbor Laboratory Symposium on Quantitative Biology on Signaling & Gene Expression in the Immune System. June 2-7, 1999. Cold Spring Harbor, NY. Abstract, poster presentation.
- Wang Y, M Koedood Zhao, JE Doohar & **TD Gilmore**. 1999. Characterization of Trip6, a novel LIM domain protein that appears to be involved in intracellular signaling. Third Annual Boston University Biology Department Retreat. September 18-19, 1999. Sargent Camp, NH, oral presentation.
- Gapuzan M-ER, PV Yufit, GA Pitoc & **TD Gilmore**. 1999. Characterization of transcription factors c-Rel and p65: introduction of c-Rel and p65 into mouse knockout cells. Third Annual Boston University Biology Department Retreat. September 18-19, 1999. Sargent Camp, NH, poster presentation.

Cormier C & **TD Gilmore**. 1999. A model for lymphoid cell cancers: effects of the anti-apoptotic proteins Bcl-2 and CrmA on the transforming activities of mutant v-Rel proteins. Boston University Undergraduate Research Symposium. October 15, 1999. Boston University, Boston, MA, poster presentation.

Dvorin EL & **TD Gilmore**. 1999. A molecular study of a viral protein that causes a rapidly fatal lymphoid cancer in an avian model system: phenylalanine residues at the N terminus of the retroviral oncoprotein v-Rel are essential for its ability to activate transcription. Boston University Undergraduate Research Symposium. October 15, 1999. Boston University, Boston, MA, poster presentation.

Gapuzan M-ER, PV Yufit & **TD Gilmore**. 2000. Characterization of temperature-sensitive and partially-defective mutants of c-Rel and RelA. Keystone Symposium on "NF- κ B Regulation and Function: From Basic Research to Drug Development". February 22-27, 2000. Tahoe City, CA, poster presentation.

Gilmore TD. 2000. Malignant transformation of cells by Rel/NF- κ B. Keystone Symposium on "NF- κ B Regulation and Function: From Basic Research to Drug Development". February 22-27, 2000. Tahoe City, CA, invited talk.

Gilmore TD. 2000. Malignant transformation of cells by Rel/NF- κ B. 5th Annual Scientific Symposium of the Hong Kong Cancer Institute on "Oncology: From Molecules to Management", March 23-24, 2000. Hong Kong, PRC, poster presentation. *Journal of Tumor Marker Oncology* 15:72.

Wang Y, M Koedood Zhao, JE Dooher & **TD Gilmore**. 2000. Characterization of Trip6, a LIM domain protein that appears to be involved in intracellular signaling. 91st Annual Meeting of the American Association of Cancer Research, April 1-5, 2000. San Francisco, CA, poster presentation.

Cormier C & **TD Gilmore**. 2000. A mammalian system for studying oncogenesis induced by Rel/NF- κ B transcription factors. Second Annual Beckman Scholars Symposium, July 27-29, 2000. Newport Beach, CA, poster presentation.

Cormier C & **TD Gilmore**. 2000. Cooperation between the oncogenic transcription factor v-Rel and anti-apoptotic protein Bcl-2 in the malignant transformation of lymphoid cells. Boston University Undergraduate Research Symposium. October 13, 2000. Boston University, Boston, MA, poster presentation.

Ziegler B & **TD Gilmore**. 2000. Sequence and structural requirements within the N-terminal Envelope amino acids of the retroviral oncoprotein v-Rel for efficient transformation and transactivation. Boston University Undergraduate Research Symposium. October 13, 2000. Boston University, Boston, MA, poster presentation.

Scarpatti JN, T Holder, C Li & **TD Gilmore**. 2000. The *C. elegans* APL-1 protein, an amyloid precursor-like protein, is a cell-death caspase substrate *in vitro*. Fourth Annual Boston University Biology Department Retreat. October 14-15, 2000. Sargent Camp, NH, poster presentation.

Gapuzan M-ER, PV Yufit & **TD Gilmore**. 2000. Immortalized mouse fibroblasts lacking the RelA subunit of transcription factor NF- κ B have a weakly transformed phenotype. Fourth Annual Boston University Biology Department Retreat. October 14-15, 2000. Sargent Camp, NH, oral presentation.

Wang Y, JE Dooher & **TD Gilmore**. 2000. Characterization of Trip6, a LIM domain protein that may be involved in intracellular signaling from focal adhesion plaques to the nucleus. Fourth Annual Boston University Biology Department Retreat. October 14-15, 2000. Sargent Camp, NH, poster presentation.

Ablamsky D & **TD Gilmore**. 2000. Towards the creation of malignantly transforming mammalian Rel transcription factors. Fourth Annual Boston University Biology Department Retreat. October 14-15, 2000. Sargent Camp, NH, poster presentation.

Blake WJ, **TD Gilmore**, CR Cantor & JJ Collins. 2001. Engineered networks for the control of gene expression in *Saccharomyces cerevisiae*. Pacific Symposium on Biocomputing. January 3-7, 2001. Honolulu, HI, poster presentation.

Gilmore TD, C Cormier & J Jean-Jacques. 2001. Malignant transformation of chicken lymphoid cells by human c-Rel: the first in vitro assay for transformation of lymphoid cells by a human Rel/NF- κ B transcription factor. Keystone Symposium on Recent Advances in the Pathogenesis and Treatment of Leukemia and Lymphoma. March 23-28, 2001. Keystone, CO, poster presentation.

Gapuzan M-E, PV Yufit & **TD Gilmore**. 2001. Mouse fibroblasts lacking the RelA subunit of transcription factor NF- κ B have a malignantly transformed phenotype. Graduate Student Science Research Day. March 27, 2001. Boston University, poster presentation.

Kim J & **TD Gilmore**. 2001. Resistance of a dog osteosarcoma cell line to toxicity caused by the retroviral oncoprotein v-Rel: towards the development of a mammalian system to study Rel-induced leukemias and lymphomas. Boston University Undergraduate Research Symposium. October 12, 2001. Boston University, Boston, MA, poster presentation.

Pace E, JA Porco & **TD Gilmore**. 2001. Chemical synthesis of natural compounds to identify anti-cancer compounds that act by inhibiting the transcription factor NF- κ B. Boston University Undergraduate Research Symposium. October 12, 2001. Boston University, Boston, MA, poster presentation.

Starczynowski D & **TD Gilmore**. 2001. Characterization of sequences and functions in human transcription factor c-Rel that are required for the malignant transformation of avian lymphoid cells. Fifth Annual Boston University Biology Department Retreat. October 12-13, 2001. Sargent Camp, NH, poster presentation.

Gilmore TD. 2001. Malignant transformation of lymphoid cells by human c-Rel. Massachusetts General Hospital Center for the Study of Inflammatory Bowel Disease Symposium on NF- κ B and Host Defense: Genetics and Biochemistry. November 16-17, 2001. Boston, MA, oral presentation.

Gilmore TD. 2002. Malignant transformation of cells by Rel proteins. Keystone Symposium on NF- κ B: from Bench to Bedside. February 25-March 2, 2002. Keystone, CO, oral presentation.

Liang M-C, E Pace, S Bardhan, C Li, JA Porco Jr & **TD Gilmore.** 2002. A variety of natural and synthetic epoxyquinoids inhibit activation of NF- κ B. Keystone Symposium on NF- κ B: from Bench to Bedside. February 25-March 2, 2002. Keystone, CO, poster presentation.

Kalaitzidis D & **TD Gilmore.** 2002. Characterization of constitutively active Rel/NF- κ B complexes in the human B-cell lymphoma cell line RC-K8. Keystone Symposium on NF- κ B: from Bench to Bedside. February 25-March 2, 2002. Keystone, CO, poster presentation.

Starczynowski D, JG Reynolds & **TD Gilmore.** 2002. Characterization of sequences and functions of human c-Rel that are required for the transformation of chicken lymphoid cells. Keystone Symposium on NF- κ B: from Bench to Bedside. February 25-March 2, 2002. Keystone, CO, poster presentation.

Gapuzan M-E, PY Yufit & **TD Gilmore.** 2002. Mouse fibroblasts lacking the RelA subunit of transcription factor NF- κ B have a malignantly transformed phenotype. Graduate Student Science & Technology Research Day. March 26, 2002. Boston University. Abstract, poster presentation.

Pace E, JA Porco & **TD Gilmore.** 2002. Chemical synthesis of natural compounds to identify anti-cancer compounds that act by inhibiting the transcription factor NF- κ B. Graduate Student Science & Technology Research Day. March 26, 2002. Boston University. Abstract, poster presentation.

Liang M-C, E Pace, S Barhan, C Li, JA Porco Jr & **TD Gilmore.** 2002. Evidence that certain synthetic compounds derived from natural fungal metabolites kill tumor cells through inhibition of the Rel/NF- κ B signal transduction pathway. Graduate Student Science & Technology Research Day. March 26, 2002. Boston University. Abstract, poster presentation.

Bardhan S, M-C Liang, **TD Gilmore** & JA Porco Jr. 2002. Synthesis and biological evaluation of natural and unnatural epoxyquinoids. Graduate Student Science & Technology Research Day. March 26, 2002. Boston University. Abstract, poster presentation.

Kalaitzidis D & **TD Gilmore.** 2002. Mutations lead to the deregulation of the Rel/NF- κ B signal transduction pathway in a human lymphoma cell line, and creation of an in vitro system to study malignant transformation of mammalian lymphoid cells by REL. Graduate Student Science & Technology Research Day. March 26, 2002. Boston University. Abstract, poster presentation.

Starczynowski D, JG Reynolds & **TD Gilmore.** 2002. Characterization of sequences and functions of human c-Rel that are required for the transformation of chicken lymphoid cells. Graduate Student Science & Technology Research Day. March 26, 2002. Boston University. Abstract, poster presentation.

Bardhan S, C Li, M-C Liang, **TD Gilmore** & JA Porco Jr. 2002. Chemical synthesis and biological evaluation of an unnatural epoxyquinoid. 224th Meeting of the American Chemical Society. August 18-22, 2002. Boston, MA. Abstract, poster presentation.

Prabhu V, Y Wang, F Naya & **TD Gilmore.** 2002. Creation of Trip6 knockout mice. Boston University Undergraduate Research Symposium. October 18, 2002. Boston University, Boston, MA, poster presentation.

Kulikowski K & **TD Gilmore.** 2002. Development of a model biological system to identify drugs for the treatment of specific human lymphoid cell cancers. Boston University Undergraduate Research Symposium. October 18, 2002. Boston University, Boston, MA, poster presentation.

Gilmore TD, D Kalaitzidis, D Starczynowski, M-C Liang, M-E Gapuzan & JR Reynolds. 2002. The role of Rel/NF- κ B transcription factors in the malignant transformation of lymphoid cells. November 15, 2002. Symposium on Cell Signaling and Gene Transcription, University of Hong Kong, Hong Kong, PRC, oral presentation.

Gilmore TD, D Kalaitzidis, D Starczynowski, M-C Liang, JG Reynolds & J Ok. 2003. The REL transcription factor as a molecular target in human lymphoma. Keystone Symposium on Molecular Targets for Cancer Therapy. March 24-30, 2003. Banff, Canada, poster presentation

Starczynowski D, JG Reynolds & **TD Gilmore.** 2003. Deletion of either C-terminal transactivation subdomain enhances the in vitro transforming activity of human transcription factor REL in chicken spleen cells. Graduate Student Science & Technology Research Day. March 25, 2003. Boston University. Abstract, poster presentation.

Gapuzan M-ER & **TD Gilmore.** 2003. Mouse fibroblasts lacking the RelA subunit of transcription factor NF- κ B are less susceptible to malignant transformation by oncogenic Ras: implications for tumor therapy. Graduate Student Science & Technology Research Day. March 25, 2003. Boston University. Abstract, poster presentation.

Kalaitzidis D, J Ok & **TD Gilmore.** 2003. Development of in vitro models of REL-mediated oncogenesis. Graduate Student Science & Technology Research Day. March 25, 2003. Boston University. Abstract, poster presentation.

Liang M-C, EA Pace, S Bardhan, C Li, D Rosman, JA Porco & **TD Gilmore.** 2003. Evidence that synthetic inhibitors of natural fungal metabolites kill human tumor cells through inhibition of the Rel/NF- κ B signal transduction pathway. Graduate Student Science & Technology Research Day. March 25, 2003. Boston University. Abstract, poster presentation.

Yong S, M-C Liang & **TD Gilmore.** 2003. Evidence that the I κ B kinase (IKK) exists in multiple forms that differ based on disulfide bond formation. Boston University Undergraduate Research Symposium. October 17, 2003. Boston University, Boston, MA, poster presentation.

Pollock A, M-E Gapuzan & **TD Gilmore**. 2003. A molecular genetic analysis of transformed cells lacking the NF- κ B RelA transcription factor. Boston University Undergraduate Research Symposium. October 17, 2003. Boston University, Boston, MA, poster presentation.

Gorkin D, D Kalaitzidis, J Leeman & **TD Gilmore**. 2003. Molecular characterization of genes involved in human lymphomas. Boston University Undergraduate Research Symposium. October 17, 2003. Boston University, Boston, MA, poster presentation.

Prabhu V, Y Wang, F Naya & **TD Gilmore**. 2003. Creation of Trip6 knockout mice. Boston University Undergraduate Research Symposium. Boston University Undergraduate Research Symposium. October 17, 2003. Boston University, Boston, MA, poster presentation.

Khabbaza J & **TD Gilmore**. 2003. Construction of plasmid vectors to study transactivation by REL, a protein involved in human lymphomas. Boston University Undergraduate Research Symposium. Boston University Undergraduate Research Symposium. October 17, 2003. Boston University, Boston, MA, poster presentation.

Gilmore TD. 2004. The REL transcription factor as a molecular target in human lymphoma. Keystone Symposium on NF- κ B: Biology and Pathology. January 11-16, 2004. Snowbird, Utah, oral presentation.

Kalaitzidis D, J Ok & **TD Gilmore**. 2004. Sustained transactivation is required for the growth of REL-transformed chicken spleen cells and human RC-K8 lymphoma cells. Keystone Symposium on NF- κ B: Biology and Pathology. January 11-16, 2004. Snowbird, Utah, poster presentation.

Liang M-C, S Bardhan, E Pace, D Rosman, C Li, JA Porco Jr & **TD Gilmore**. 2004. Epoxyquinoid derivatives of natural products block activation of NF- κ B at distinct steps. Keystone Symposium on NF- κ B: Biology and Pathology. January 11-16, 2004. Snowbird, Utah, poster presentation.

Starczynowski DT, JG Reynolds & **TD Gilmore**. 2004. Transactivation potency modulates the in vitro transforming activity of the human REL transcription factor. Keystone Symposium on NF- κ B: Biology and Pathology. January 11-16, 2004. Snowbird, Utah, poster presentation.

Kalaitzidis D, J Ok & **TD Gilmore**. 2004. Sustained transactivation is required for the growth of REL-transformed chicken spleen cells and human RC-K8 lymphoma cells. Boston University Science & Technology Day. March 23, 2004. Boston, MA, poster presentation.

Liang M-C, S Bardhan, E Pace, D Rosman, C Li, JA Porco Jr & **TD Gilmore**. 2004. Epoxyquinoid derivatives of natural products block activation of NF- κ B at distinct steps. Boston University Science & Technology Day. March 23, 2004. Boston, MA, poster presentation.

Starczynowski DT, JG Reynolds & **TD Gilmore**. 2004. Transactivation potency modulates the in vitro transforming activity of the human REL transcription factor. Boston University Science & Technology Day. March 23, 2004. Boston, MA, poster presentation.

Yong S, M-C Liang & **TD Gilmore**. 2004. Identification of a novel protein modification in the IKK β subunit of the I κ B Kinase, which controls the NF- κ B signal transduction pathway. Meeting of the American Society for Biochemistry & Molecular Biology. June 12-16, 2004. Boston, MA, poster presentation. FASEB J 18: C95

Pollock A, E Gapuzan & **TD Gilmore**. 2004. Fibroblasts from NF- κ B RelA knockout mice have secondary genetic changes that determine whether they have a normal or transformed phenotype. Meeting of the American Society for Biochemistry & Molecular Biology. June 12-16, 2004. Boston, MA, poster presentation. FASEB J 18: C110

Blake WJ, **TD Gilmore**, CR Cantor & JJ Collins. 2004. Engineered switches in *Saccharomyces cerevisiae*. Conference on Synthetic Biology, June, 2004, MIT, Cambridge, MA, poster presentation.

Yong S, M-C Liang & **TD Gilmore**. 2004. Identification of a novel protein modification in the IKK β subunit of the I κ B kinase (IKK), which controls the NF- κ B signal transduction pathway. Pfizer Undergraduate Summer Research Symposium, October 8, 2004, Pfizer Corporation, Groton, CT, poster presentation.

Liang M-C, S Yong, S Bardhan, EA Pace, D Rosman, C Li, JA Porco Jr & **TD Gilmore**. 2005. Epoxyquinoid derivatives of natural products block activation of NF- κ B at multiple steps. Biology Department Graduate Recruitment Weekend, February 27, 2005, poster presentation.

Liang M-C, S Bardhan, JA Porco Jr & **TD Gilmore**. 2005. Derivatives of epoxyquinoid natural products that block activation of NF- κ B at multiple steps. Boston University Science & Engineering Day. March 29, 2005. Boston, MA, poster presentation.

Kalaitzidis D, J Ok & **TD Gilmore**. 2005. The REL transcription factor as an oncogene in human and chicken lymphoma cell lines: inhibition of REL function by the estrogen receptor. Boston University Science & Engineering Day. March 29, 2005. Boston, MA, poster presentation.

Starczynowski D, H Trautmann, C Pott, L Harder, N Arnold, R Siebert & **TD Gilmore**. 2005. An activating mutation (Ser525Pro) within the transactivation domain of REL in two patients with human B-cell lymphomas enhances REL's in vitro transforming ability. 47th Meeting of the American Society of Hematology. December 10-13, 2005. Atlanta, GA, poster presentation.

Comb WC, M Herscovitch & **TD Gilmore**. 2005. Role of intermolecular disulfide bond formation in NEMO, a regulatory subunit of the I κ B kinase. Boston University Undergraduate Research Symposium. October 14, 2005. Boston, MA, poster presentation.

Herscovitch M, D Kalaitzidis, WC Comb, S Yong, M-C Liang & **TD Gilmore**. 2006. Disulfide bond formation in the I κ B kinase (IKK) subunits NEMO and IKK β . Keystone Symposium on NF-kappaB: 20 Years on the Road from Biochemistry to Pathology. March 23-28, 2006. Banff, Canada, poster presentation.

Leeman J, DT Starczynowski, H Trautmann, C Pott, L Harder, N Arnold, R Siebert & **TD Gilmore**. 2006. Point mutations in the human REL oncogene can enhance its transforming ability in chicken lymphoid cells. Keystone Symposium on NF-kappaB: 20 Years on the Road from Biochemistry to Pathology. March 23-28, 2006. Banff, Canada, poster presentation.

Goucher H, F Wolenski, J Sullivan, JR Finnerty & **TD Gilmore**. 2006. *Nematostella vectensis*: an organism entering the modern age of immunity. Boston University Undergraduate Research Symposium. October 13, 2006. Boston, MA, poster presentation.

Coleman K, M Herscovitch, W Comb & **TD Gilmore**. 2006. Effects of cysteine residue modifications on the dimerization and activity of NEMO, an essential protein in NF- κ B signal transduction and disease. Boston University Undergraduate Research Symposium. October 13, 2006. Boston, MA, poster presentation.

Chin M, J Leeman & **TD Gilmore**. 2006. Identification of genes that promote the long-term growth of lymphoid cells malignantly transformed by the human oncoprotein REL. Boston University Undergraduate Research Symposium. October 13, 2006. Boston, MA, poster presentation.

Herscovitch M, S Bardhan, K Coleman, W Comb, S Yong, M-C Liang, JA Porco & **TD Gilmore**. 2007. Cys-reactivity in the NF- κ B signaling pathway: epoxyquinoids and the inhibition of specific signaling steps. Center for Chemical Methodology & Library Development Symposium on Chemical Synthesis: Advances and Applications. June 22, 2007. Boston University, poster presentation.

Chin M, N Zhang, J Leeman & **TD Gilmore**. 2007. Expression of a mutant version of the human transcription factor REL enhances the in vitro growth properties of a human B-lymphoma cell line: A model for human B-cell lymphoma. Beckman Scholars Research Symposium. July 28, 2007. Irvine, CA, poster presentation.

Costa K & **TD Gilmore**. 2007. Searching for the NF- κ B stress response pathway in basal organisms. Boston University PROSTARS Symposium. August 10, 2007. Boston, MA, poster presentation.

Aaron D, M Chin & **TD Gilmore**. 2007. Creation and characterization of viruses for infection of human B-cell lines: A model for human lymphoma. Boston University RISE Summer High School Research Symposium. August 10, 2007. Boston, MA, poster presentation.

Armstead B, M Herscovitch & **TD Gilmore**. 2007. Antioxidants, reactive oxygen species, and the NF- κ B signaling pathway: role of disulfide bond formation in the activity of the NEMO protein. Annual Biomedical Research Conference for Minority Students. November 7-10, 2007. Austin, TX, poster presentation.

Dresselhaus E, FS Wolenski & **TD Gilmore**. 2007. Conservation of the NF- κ B signal transduction pathway in the sea anemone *Nematostella vectensis*. Boston University Undergraduate Research Opportunities Program Symposium. October 19, 2007. Boston, MA, poster presentation.

Chin M & **TD Gilmore**. 2007. Expression of a mutant version of the human transcription factor REL enhances the in vitro growth properties of a human B-lymphoma cell line: a model for human B-cell lymphoma. Boston University Undergraduate Research Opportunities Program Symposium. October 19, 2007. Boston, MA, poster presentation.

Armstead B, M Herscovitch & **TD Gilmore**. 2007. Antioxidants, reactive oxygen species, and the NF- κ B signaling pathway: role of disulfide bond formation in the activity of the NEMO protein. Boston University Undergraduate Research Opportunities Program Symposium. October 19, 2007. Boston, MA, poster presentation.

Ennis T, M Herscovitch & **TD Gilmore**. 2007. Disulfide bonds mediate dimer formation in NEMO, a regulatory protein in the NF- κ B signal transduction pathway. Boston University Undergraduate Research Opportunities Program Symposium. October 19, 2007. Boston, MA, oral presentation.

Herscovitch M, T Ennis, S Chandani, W Comb, K Coleman & **TD Gilmore**. 2008. Role of cysteine residues in NEMO structure and function. Keystone Symposium on NF-kappaB. February 12-17, 2008. Banff, Canada, oral presentation.

Chin M, N Zhang, J Leeman, M Herscovitch & **TD Gilmore**. 2008. A highly transforming mutant of the REL oncoprotein enhances soft agar colony formation in the human BJAB B-lymphoma cell line. Keystone Symposium on NF-kappaB. February 12-17, 2008. Banff, Canada, poster presentation.

Wolenski FS, J Sullivan, E Dresselhaus, C French, JR Finnerty & **TD Gilmore**. 2008. NF- κ B signaling in basal marine organisms. Keystone Symposium on NF-kappaB. February 12-17, 2008. Banff, Canada, poster presentation.

Leeman JR, MA Weninger, TF Barth & **TD Gilmore**. 2008. Alternative splicing of the human oncogene *REL* may represent a marker for B-cell lymphoma. Boston University Science & Engineering Day. March 31, 2008. Boston, MA, poster presentation.

Patel S, F Wolenski, P Toran & **TD Gilmore**. 2008. Characterization of the NF- κ B transcription factor in the sponge *Amphimedon queenslandica*. Boston University RISE Summer High School Student Research Symposium. August 8, 2008. Boston, MA, poster presentation.

Brüggermann M, M Garbati & **TD Gilmore**. 2008. Interaction of the REL transcription factor with co-activator CBP. Boston University NSF-REU Chemistry Research Symposium. August 8, 2008. Boston, MA, poster presentation.

Ford TJ & **TD Gilmore**. 2008. Creation of an inducible gene system to study the role of NF- κ B transcription factors in human B-cell lymphoma. Boston University Undergraduate Research Opportunities Program Symposium. October 17, 2008. Boston, MA, poster presentation.

Gill N, M Herscovitch & **TD Gilmore**. 2008. A structural approach to understanding NF- κ B signaling: expression and purification of NEMO, the NF- κ B Essential Modulator. Boston University Undergraduate Research Opportunities Program Symposium. October 17, 2008. Boston, MA, poster presentation.

Horton B, M Herscovitch & **TD Gilmore**. 2008. An in vitro model for human B-cell lymphoma: expression of a mutant form of the IKK β protein, which regulates the NF- κ B signaling pathway. Boston University Undergraduate Research Opportunities Program Symposium. October 17, 2008. Boston, MA, poster presentation.

Gilmore TD. 2008. Mutations in NF- κ B: from sea anemones to human disease. EMBO Workshop on The NF- κ B Network in Development and Disease. October 18-21, 2008, Capri, Italy, oral presentation.

Thompson R & **TD Gilmore**. 2009. Effects of expression of lymphoma-specific CARD11 mutants on B-cell growth in vitro. Cambridge Healthtech Institute Molecular Medicine Tri-Conference: Cancer Profiling and Pathways. February 25-27, 2009. San Francisco, CA, poster presentation.

Herscovitch M, M Chin, N Zhang & **TD Gilmore**. 2009. Overexpression of the NF- κ B transcription factor REL can alter the growth properties and gene expression profile of the human BJAB B-lymphoma cell line. Cambridge Healthtech Institute Molecular Medicine Tri-Conference: Cancer Profiling and Pathways. February 25-27, 2009. San Francisco, CA, poster presentation.

Ford TJ, M Herscovitch & **TD Gilmore**. 2009. Creation of an inducible gene system to study the role of NF- κ B transcription factors in human B-cell lymphoma. Beckman Scholars Research Symposium. July 24-26, 2009. Irvine, CA, poster presentation.

Aço G, M Garbati & **TD Gilmore**. 2009. Histone acetyltransferase p300, a coactivator for transcription factor REL, is C-terminally truncated in the human diffuse large B-cell lymphoma cell line RC-K8. Boston University NSF-REU Chemistry Research Symposium. August 7, 2009. Boston, MA, poster presentation.

Aço G, M Garbati & **TD Gilmore**. 2009. Histone acetyltransferase p300, a coactivator for transcription factor REL, is C-terminally truncated in the human diffuse large B-cell lymphoma cell line RC-K8. American Cancer Society National Meeting & Exposition. August 16-20, 2009. Washington DC, poster presentation.

Alvarado S, M Herscovitch & **TD Gilmore**. 2009. Molecular analysis of B-cell lymphoma: regulation of transcription of CD10, a protein marker for B-cell malignancy. Boston University Undergraduate Research Opportunities Program Symposium. October 16, 2008. Boston, MA, poster presentation.

Ford TJ, M Herscovitch & **TD Gilmore**. 2009. Creation of an inducible gene system to study the role of the human transcription factor REL in B-cell lymphoma. Boston University Undergraduate Research Opportunities Program Symposium. October 16, 2009. Boston, MA, poster presentation.

Jiang N, F Wolenski & **TD Gilmore**. 2009. Site-directed mutagenesis to identify residues that affect DNA binding in two naturally-occurring alleles of NF- κ B in the sea anemone *Nematostella vectensis*. Boston University Undergraduate Research Opportunities Program Symposium. October 16, 2009. Boston, MA, poster presentation.

Wolenski F, MR Garbati, E Dresselhaus, N Jiang, JC Sullivan, JR Finnerty & **TD Gilmore**. 2010. NF- κ B signaling in a simple marine organism: mutations that affect DNA binding in natural populations of the sea anemone *Nematostella vectensis*. Keystone Symposium on NF- κ B in Inflammation and Disease. January 5-10, 2010. Santa Fe, New Mexico, poster presentation.

Thompson RC, M Herscovitch, TJ Ford, I Zhao & **TD Gilmore**. 2010. Expression of the CD10 gene is negatively regulated in B-lymphoma cells by an NF- κ B->miR-155->PU.1 pathway. Keystone Symposium on NF- κ B in Inflammation and Disease. January 5-10, 2010. Santa Fe, New Mexico, poster presentation.

Ford TJ, RC Thompson, M Herscovitch, Ian Zhao & **TD Gilmore**. 2010. Transcription factor NF- κ B indirectly represses expression of cell-surface marker CD10 in a highly malignant subtype of diffuse large B-cell lymphoma. Northeast Regional Beckman Symposium. January 23, 2010. Boston College, Boston, MA, poster presentation.

Glover K, RC Thompson & **TD Gilmore**. 2010. CD10: a protein marker for B-cell lymphoma. PROSTARS Research Symposium. August 6, 2010. Boston University, Boston, MA, poster presentation.

Repina N, D Stefanik, L Haery, F Wolenski, J Finnerty, C Bradham & **TD Gilmore**. 2010. Analyzing the function of transcription factor NF- κ B in the sea anemone *Nematostella vectensis* by creation of transgenic reporter animals. Thirteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 22, 2010. Boston, MA, poster presentation.

Vargas Feliciano K, F Wolenski & **TD Gilmore**. 2010. Naturally occurring variants of the NF- κ B transcription factor of the sea anemone *Nematostella vectensis* have different transactivation abilities. Thirteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 22, 2010. Boston, MA, poster presentation.

Yeo A & **TD Gilmore**. 2010. An investigation of the molecular mechanisms for the effects of the natural product parthenolide on NF- κ B in B-cell lymphoma. Thirteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 22, 2010. Boston, MA, poster presentation.

Vargas Feliciano K, F Wolenski & **TD Gilmore**. 2010. Naturally occurring variants of the NF- κ B transcription factor of the sea anemone *Nematostella vectensis* have different transactivation abilities. Biotechnology Week

Poster Session, University of Puerto Rico-Mayaguez. November 4, 2010. Mayaguez, Puerto Rico, poster presentation.

Wolenski F, MR Garbati, TJ Lubinski, N Traylor-Knowles, E Dresselhaus, DJ Stefanik, H Goucher, JR Finnerty & **TD Gilmore**. 2011. Characterization of the core elements of the *Nematostella vectensis* NF- κ B pathway. Boston University Science & Technology Day. March 23, 2011. Boston, MA, poster presentation.

Cote S, M Herscovitch, T Ennis, **TD Gilmore** & A Whitty. 2011. Cloning and expression of full-length NEMO protein, and development of a fluorescence anisotropy screening assay. Boston University Science & Technology Day. March 23, 2011. Boston, MA, poster presentation.

Wolenski F, MR Garbati, TJ Lubinski, N Traylor-Knowles, E Dresselhaus, DJ Stefanik, H Goucher, JR Finnerty & **TD Gilmore**. 2011. Characterization of the core elements of the *Nematostella vectensis* NF- κ B pathway. The First Annual Nematostella Research Conference. June 27, 2011. Woods Hole, MA, poster presentation.

Cote S, M Herscovitch, T Ennis, **TD Gilmore** & A Whitty. 2011. Cloning and expression of full-length NEMO protein, and development of a fluorescence anisotropy screening assay. 25th Anniversary Symposium of the Protein Society, July 23-27, 20-11. Boston, MA, poster presentation.

Moreno K & **TD Gilmore**. 2011. Two naturally occurring NF- κ B transcription factor alleles found in the sea anemone *Nematostella vectensis* show differences in transactivation ability. PROSTARS Research Symposium. August 5, 2011. Boston University, Boston, MA, poster presentation.

Lei D, A Yeo & **TD Gilmore**. 2011. Cloning the REL Δ TAD1 gene into pLEGO-iG2. Boston University RISE Summer High School Student Research Symposium. August 12, 2011. Boston, MA, poster presentation.

Lugo Pico JG, L Haery & **TD Gilmore**. 2011. Mutations in co-activators as a mechanism of cancer: a role in B-cell lymphoma. Fourteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 21, 2011. Boston, MA, poster presentation.

Patlajan M, F Wolenski, C Desjardins & **TD Gilmore**. 2011. Defining the tissue-specific expression pattern of transcription factor NF- κ B in the sea anemone *Nematostella vectensis* through the use of transgenic animal technology. Fourteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 21, 2011. Boston, MA, poster presentation.

Glover K, RC Thompson & **TD Gilmore**. 2011. Creation of transgenic mice for the expression of a lymphoma-specific mutant of the transcriptional co-activator p300 as a model for human diffuse large B-cell lymphoma. Fourteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 21, 2011. Boston, MA, poster presentation.

Haery L, J Lugo Pico, B Mehta & **TD Gilmore**. 2012. Expression of truncated p300 co-activators in diffuse large B-cell lymphoma (DLBCL) cell lines. Keystone Symposium on Epigenomics. January 17-22, 2012. Keystone Colorado, poster presentation.

Wolenski FS, D Stefanik, T Lubinski, N Jiang, JR Finnerty & **TD Gilmore**. 2012. Evolutionary origins of NF- κ B signaling. Keystone Symposium on NF- κ B Signaling and Biology: From Bench to Bedside. March 18-23, 2012. Whistler, British Columbia, Canada, poster presentation.

Cote S, M Herscovitch, R Prenovitz, T Ennis, **TD Gilmore** & A Whitty. 2012. Role of cysteine residues in NEMO structure and activity. Keystone Symposium on NF- κ B Signaling and Biology: From Bench to Bedside. March 18-23, 2012. Whistler, British Columbia, Canada, poster presentation.

Wolenski F, D Stefanik, T Lubinski, M Liberti, N Jiang, JR Finnerty & **TD Gilmore**. 2012. NF- κ B signaling in *Nematostella vectensis*. The Second Annual Nematostella Research Conference. August 27, 2012. Boston University, Boston, MA, oral presentation.

Power AM, F Wolenski & **TD Gilmore**. 2012. Possible symbionts in *Nematostella vectensis*. The Second Annual Nematostella Research Conference. August 27, 2012. Boston University, Boston, MA, oral presentation. Boston University, Boston, MA, oral presentation.

Lubinski TJ, **TD Gilmore** & JR Finnerty 2012. *Genome ForSite* – a computational pipeline for predicting transcription factor binding sites in a sequenced genome and its application to *Nematostella* NF- κ B. The Second Annual Nematostella Research Conference. August 27, 2012. Boston University, Boston, MA, oral presentation.

Liberti M, FS Wolenski & **TD Gilmore**. 2012. The characterization of the TLR4 signaling pathway in the sea anemone *Nematostella vectensis*. Fifteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 19, 2012. Boston, MA, poster presentation.

Glover K & **TD Gilmore**. 2012. Investigating the molecular interactions between NEMO and IKK β in the NF- κ B signaling pathway. Fifteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 19, 2012. Boston, MA, poster presentation.

Power A, F Wolenski & **TD Gilmore**. 2012. Identification of novel single-celled organisms that may act as symbionts in the sea anemone *Nematostella vectensis*. Fifteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 19, 2012. Boston, MA, poster presentation.

Haery L, J Lugo-Pico & **TD Gilmore**. 2013. HAT-deficient p300 mutants contribute to cell proliferation and oncogenicity of diffuse large B-cell lymphoma cell lines. Keystone Symposium on Epigenetic Marks and Cancer Drugs. March 20-25, 2013. Santa Fe, NM. Poster presentation.

- Weber U, S Cote, A Whitty & **TD Gilmore**. 2013. Mutation of seven cysteine residues creates a highly soluble and still active form of the NF- κ B signaling protein NEMO. Sixteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 18, 2013. Boston, MA, poster presentation.
- Lambert A & **TD Gilmore**. 2013. Characterization of transcription factor NF- κ B signaling in a model marine organism, the sea anemone *Nematostella vectensis*. Sixteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 18, 2013. Boston, MA, poster presentation.
- Acevedo A, M Reynoso & **TD Gilmore**. 2013. Toll-like receptor signaling pathway in the sea anemone *Nematostella vectensis*: studies on the evolutionary origins of innate immunity. Sixteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 18, 2013. Boston, MA, poster presentation.
- Gilmore T**, J Finnerty, T Siggers, F Wolenski, T Lubinski, A Penvose, A Lambert, M Reynoso, A Acevedo. 2013. NF- κ B signaling in *Nematostella vectensis*. Workshop on *Nematostella vectensis*, as part of the 8th International Conference on Coelenterate Biology. December 1-6, 2013. Eilat, Israel, oral presentation.
- Gilmore T**, J Finnerty, T Siggers, F Wolenski, T Lubinski, A Penvose, A Lambert, M Reynoso, A Acevedo. 2014. Evolution of NF- κ B signaling. Keystone Symposium on The NF-kappaB System in Health and Disease. February 23-28, 2014. Keystone, Colorado, oral and poster presentation.
- Cote S, S Chennamadhavuni, U Weber, L Zhou, S Jehle, MS Golden, A Yeo, D Kozakov, S Vajda, KN Allen, JA Porco Jr, **TD Gilmore**, A Whitty. 2014. Cysteine mutations facilitate characterization of NEMO structure and activity. Keystone Symposium on The NF-kappaB System in Health and Disease. February 23-28, 2014. Keystone, Colorado, poster presentation.
- Acevedo A, M Reynoso & **TD Gilmore**. 2014. Toll-like receptor signaling pathway in the sea anemone *Nematostella vectensis*: studies on the evolutionary origins of innate immunity. Medical Sciences Campus 34th Annual Research and Education Forum. April 11-13, 2014. University of Puerto Rico Medical Sciences Campus, San Juan, Puerto Rico, poster presentation.
- Gardner M & **TD Gilmore**. 2014. Attempts to characterize potential symbiont isolated from embryos of *Nematostella vectensis*. Biochemistry & Molecular Biology Research Symposium. May 2, 2014. Boston University, Boston, MA, oral presentation.
- Lambert A, J Brennan, T Lubinski, J Finnerty, T Siggers & **T Gilmore**. 2014. Evolution of NF- κ B signaling. Arnold & Mabel Beckman Foundation Symposium. August 7-10, 2014. Irvine, California, poster presentation.
- Gowda G, A Yeo, S Penix, J Brennan, A Alshanbayeva, L Haery, N Carter, M Reynoso, A Lambert, K Mansfield & **TD Gilmore**. 2014. Characterization of an inhibitor of the NF- κ B signaling protein NEMO. Boston University RISE Summer High School Student Research Symposium. August 18, 2014. Boston, MA, poster presentation.
- Gilmore TD**, TW Siggers, JR Finnerty, J Brennan, K Mansfield, F Wolenski, T Lubinski, A Penvose, A Lambert & M Reynoso. 2014. Evolution of NF- κ B. European NF-kappaB Subunit Workshop. October 6-8, 2014. Pitlochry, Scotland. Oral presentation.
- Penix S, A Yeo & **TD Gilmore**. 2014. Characterization on of an inhibitor of the NF- κ B signaling protein NEMO. American Society for Cell Biology Annual Conference. December 6-10, 2014, Philadelphia, PA. Poster presentation.
- Alshanbayeva A & **TD Gilmore**. 2014. N- and C-terminal non-conserved residues contribute to transactivation by a sea anemone (*Nematostella vectensis*) NF- κ B transcription factor. Seventeenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 17, 2014. Boston, MA, poster presentation.
- Lambert A & **TD Gilmore**. 2014. Evolution of NF- κ B transcription factor signaling. Seventeenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 17, 2014. Boston, MA, poster presentation.
- Carter N & **TD Gilmore**. 2014. Characterization of transcription factor NF- κ B from a sea anemone as a model for understanding the molecular basis of symbiotic relationships in corals. Seventeenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 17, 2014. Boston, MA, poster presentation.
- Reynoso M & **TD Gilmore**. 2014. The Toll-like receptor signaling pathway in the sea anemone *Nematostella vectensis*. Seventeenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 17, 2014. Boston, MA, poster presentation.
- Carter N & **TD Gilmore**. 2015. Retroviral gene delivery techniques for the sea anemone *Nematostella vectensis*. East Coast Nematostella meeting. August 15, 2015. Woods Hole, MA, oral presentation.
- Brennan J & **TD Gilmore**. 2015. TLR signaling and CRISPR knockout technology in the sea anemone *Nematostella vectensis*. East Coast Nematostella meeting. August 15, 2015. Woods Hole, MA, oral presentation.
- Mansfield K & **TD Gilmore**. 2015. NF- κ B signaling and heat-induced stress in the sea anemone *Aiptasia pallida*. East Coast Nematostella meeting. August 15, 2015. Woods Hole, MA, oral presentation.
- Reynoso M & **TD Gilmore**. 2015. A Toll-like receptor signaling pathway in the sea anemone *Nematostella vectensis*. Biochemistry & Molecular Biology Research Symposium. May 1, 2015. Boston University, Boston, MA, oral presentation.

Carter N & **TD Gilmore**. 2015. Retroviral gene delivery techniques for the sea anemone *Nematostella vectensis*. Eighteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 16, 2015. Boston, MA, poster presentation.

Kagermazova L, R Shaffer, M Finau, K Allen, A Whitty & **TD Gilmore**. 2015. Characterization of sequences important for the function of NEMO, a protein involved in immunodeficiency diseases in humans. Eighteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 16, 2015. Boston, MA, poster presentation.

Kagermazova L, R Shaffer, S Penix, M Finau, KN Allen, A Whitty & **TD Gilmore**. 2016. New insights into NEMO structure and activity. Keystone Symposium on NF- κ B and MAP Kinase Signaling in Inflammation. March 13-17, 2016. Whistler, British Columbia, Canada, poster presentation.

Kagermazova L. 2016. Possible allosteric regulation of the scaffold protein NEMO, a protein involved in human immunodeficiency diseases. Biology Department Undergraduate Research Award Seminar, May 2, 2016, oral presentation.

Welsh J, EG Salas, L Williams & **TD Gilmore**. 2016. Mutation of a phosphorylation site in the NF- κ B transcription factor of the endangered coral *Orbicella faveolata*. GROW Student Symposium. August, 2016, Boston University, Boston, MA, poster presentation..

Carter N, K Mansfield & **TD Gilmore**. 2016. Evolutionary origins NF- κ B signaling in an invertebrate model. Beckman Scholars Research Symposium. August 5, 2016. Irvine, CA, poster presentation.

Liu YK, M Babaei, L Kagermazova, R Shaffer, K Allen, A Whitty & **TD Gilmore**. 2016. Characterization of sequences important for the function of NEMO: A protein involved in immunodeficiency diseases in humans. Nineteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 21, 2016. Boston, MA, poster presentation.

Carter N, K Mansfield & **TD Gilmore**. 2016. Evolutionary origins NF- κ B signaling in an invertebrate model. Nineteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 21, 2016. Boston, MA, poster presentation.

Salas EG, L Williams, J Welsh & **TD Gilmore**. 2016. Analysis of the NF- κ B transcription factor in the endangered coral *Orbicella faveolata*. Nineteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 21, 2016. Boston, MA, poster presentation.

Messerschmidt J, J Brennan & **TD Gilmore**. 2016. Evolutionary origins of innate immune receptors: characterization of a single Toll-like receptor in the sea anemone *Nematostella vectensis*. Nineteenth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 21, 2016. Boston, MA, poster presentation.

Mansfield K, N Carter, A Alshanbayeva, L Williams, A Penvose, V Weis, T Siggers & **TD Gilmore**. 2017. Transcription factor NF- κ B is modulated by symbiotic status in a sea anemone model of cnidarian bleaching. Gordon Research Conference on Host-Microbe Associations at the Foundation of the Biosphere. June 11-16, 2017. Mount Snow, VT, poster presentation.

Brennan J & **TD Gilmore**. 2017. TLR signaling in the sea anemone *Nematostella vectensis*. East Coast *Nematostella* meeting. July 25, 2017. Woods Hole, MA, oral presentation.

Mansfield K & **TD Gilmore**. 2017. NF- κ B signaling and heat-induced stress in the sea anemone *Aiptasia pallida*. East Coast *Nematostella* meeting. July 25, 2017. Woods Hole, MA, oral presentation.

Williams LM & **TD Gilmore**. 2017. TLR to NF- κ B signaling in the coral *Orbicella faveolata*. East Coast *Nematostella* meeting. July 25, 2017. Woods Hole, MA, oral presentation.

Messerschmidt J, J Brennan & **TD Gilmore**. 2017. Toll-like receptor signaling is implicated in development and immune responses of the sea anemone *Nematostella vectensis*. Beckman Symposium. July, 2017. Irvine, CA, poster presentation.

Messerschmidt J, J Brennan & **TD Gilmore**. 2017. Toll-like receptor signaling is implicated in development and immune responses of the sea anemone *Nematostella vectensis*. Twentieth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 13, 2017. Boston, MA, poster presentation.

Liu Y, M Babaei & **TD Gilmore**. 2017. CRISPR-Cas9 disruption of the NEMO gene by targeting an upstream non-coding region. Twentieth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 13, 2017. Boston, MA, poster presentation.

Pedroza M, K Mansfield & **TD Gilmore**. 2017. Effects of symbiosis on immunity in the sea anemone model *Aiptasia pallida*. Twentieth Annual Boston University Undergraduate Research Opportunities Program Symposium. October 13, 2017. Boston, MA, poster presentation.

Messerschmidt J, J Brennan & **TD Gilmore**. 2017. Toll-like receptor signaling is implicated in development and immune responses of the sea anemone *Nematostella vectensis*. Northeast Regional American Society for Biochemistry & Molecular Biology Meeting. November 5, 2017. Boston, MA, poster presentation. (Top prize for best poster)

Babaei M, YK Liu, A Yeo, L Kagermazova, & **TD Gilmore**. 2018. CRISPR-based tissue-specific targeting of the *NEMO* gene for cancer therapy. Boston University Cancer Center Retreat. February 28, 2018. Boston, MA, poster presentation.

