

CURRICULUM VITAE

Name	Henry Morrice Furneaux
Place of Birth	Aberdeen, Scotland
Nationality	British U.S. Permanent Resident
Education	University of Aberdeen, Scotland, UK 1970-75, B.Sc. (Honors in Biochemistry) University of Aberdeen, Scotland, UK 1975-78, Ph.D. Biochemistry Thesis: "An Examination of the Biological Role of ADP-Ribosylation"

Positions and Appointments

1979-1984	Post Doctoral Fellow Dr. J. Hurwitz's Lab, Albert Einstein College of Medicine
1984-1987	Research Fellow Program in Molecular Biology, Sloan-Kettering Institute
1987-1989	Assistant Laboratory Member Program in Molecular Pharmacology and Therapeutics, Sloan-Kettering Institute
1989-1995	Assistant Member and Head of the Laboratory of Molecular Neuro-Oncology Sloan-Kettering Institute
1989-1995	Assistant Professor of Neuroscience Cornell University Graduate School of Medical Sciences
1996-2000	Associate Member and Head of the Laboratory of Molecular Neuro-Oncology Sloan-Kettering Institute
1996-2000	Associate Professor of Neuroscience Cornell University Graduate School of Medical Sciences
2000 -2009	Associate Professor of Molecular, Microbial, and Structural Biology University of Connecticut School of Medicine

- 2003-2009 Director of the Molecular Biology and Biochemistry Graduate Program,
University of Connecticut School of Medicine
- 2009-Present President and CEO of Clonegene LLC (<http://www.clonegene.com/>)
- Clonegene designs, generates and distributes quality antibodies relevant to Virology and Oncology. These include high affinity monoclonal antibodies against Viral targets, Onco-Immune pathways, Gene expression regulators and Tumor neoantigens.*

Patents

In collaboration with Cooper Dunham and White, involved in the application and successful award of the following patents:

- Posner JB and **Furneaux HM**. Antigen recognized by patients with antibody associated paraneoplastic sensory neuronopathy. February 1997, United States Patent No. 5,603,934.
- Posner JB, Darnell RB, and **Furneaux HM**. Ri fusion antigen recognized by antibodies associated with paraneoplastic opsoclonus and methods of use thereof. March 1997, United States Patent No. 5,614,371.
- Posner JB and **Furneaux HM**. Antigen recognized by patients with antibody associated paraneoplastic cerebellar degeneration, DNA encoding same and uses thereof. September 1997, United States Patent No. 5,668,013.
- Posner JB, **Furneaux HM**. Antigen recognized by patients with antibody associated paraneoplastic sensory neuronopathy, DNA encoding same and uses thereof. September 1998, United States Patent No. 5,807,705.
- Posner JB, **Furneaux HM**. Antigen recognized by patients with antibody associated cerebellar degeneration, DNA encoding same and uses thereof. July 1999, United States Patent No. 5,925,526.
- Posner JB, **Furneaux HM**. Antigen recognized by patients with antibody associated paraneoplastic sensory neuropathy, DNA encoding same and uses thereof. February 2001, United States Patent No. 6,193,948.

Membership of Scientific Societies and Honors

- Member of New York Academy of Science
- The Harvey Society
- The RNA Society
- Holder of the Neil Levitan Chair in Neuro-Oncology (1998-2000).
- Cited in “Who’s Who in America”

Teaching Experience

1990-2000	Designer and Director of the Molecular Basis of Neurological Disease – a course for MD/PhD students at Cornell University Graduate School of Medical Sciences
2001-2009	Designer and Director of the Molecular Basis of Disease, a graduate course for PhD and MD/PhD students at the University of Connecticut Medical School
2001-2006	Course Director of the Molecular Biology and Biochemistry Program Journal Club
2002-2006	Lecturer in Biochemistry I, a first-year biochemistry course for PhD students.
2003-2006	Lecturer in Organ Systems II, a first-year medical school course.
2003-2009	Outreach discovery lectures to encourage research careers for high school students.
2006-2009	Co-designed and taught in The Logic of Biology, a new discussion course for all incoming first year students to introduce them to experimental logic and contemporary problems in biology.
2007-2009	Lecturer in HB3, a first-year medical school course. Designed a new introductory module that combines the fields of vascular biology, hematology and immunology.

Major Academic Administrative Tasks

2003-2009	Director of the Graduate Program in Biochemistry and Molecular Biology
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2003-2009	The executive committee of the Dept of Molecular, Microbial and Structural Biology
2004	Graduate School Strategic Planning Committee
2004-2007	First year graduate student advisor
2005-2009	Scientific Advisory Committee – General Clinical Research Center

Federal Science Review Activities

Dept of Defense

2007	Breast Cancer Research Program- Molecular Biology & Genetics Study Section
2009	Breast Cancer Research Program - Molecular Biology & Genetics Study Section

Federal - NIH

October 2007	KO8 - KO2 Awards –NHLBI Study Section
February 2008	Oncological Sciences (F09) Study Section
June 2008	Oncological Sciences (F09) Study Section
July 2008	KO8 KO2 Awards –NHLBI Study Section
June 2009	Oncological Sciences (F09) Study Section

Editorial Work

- Editorial Advisor to editorial board of BMC Biochemistry
- Ad hoc reviewer for JBC, MCB, EMBO, Nucleic Acids Research, RNA, J Clinical Investigation

Funding

Past:

ACS- EDT- 66404

Paraneoplastic Neurological Syndromes
1988-1992

\$485,000 total

PI-Furneauux

NIH- R01-NS- 29682

The structure and Function of Onco-Neural Antigens

1991-1995

\$850,000 total

PI-Furneauux

NSF- IBN- 9604175

The Post-Transcriptional Regulation of GAP-43 expression

1997-2000

\$280,380 total

PI -Furneauux

Brain Tumor Society

The regulation of VEGF expression in Brain Tumors

1998-2000

The Neil Levitan Chair in Neuro-Oncology

\$ 82,000 total

PI-Furneauux

Burke Prostate Cancer Fund

The expression of HuR in human tumors

1998-2000

\$37,400 total

PI- Furneauux

NIH RO1 HL58510

Regulation of VEGF mRNA stability by hypoxia

1999-2003

\$1,175,000

PI- Furneauux

NIH P01 HL70694 -Program Project

Sub project- Manipulation of Gene Expression

The aim of this project is to investigate the structure and function of micro RNAs.

2002-2007

\$375,000

PI –Furneauux

Connecticut Department of Public Health

DPH 2002

The Development of Novel Cancer Therapeutics through the Application of siRNA Technology
 2002
 \$25,000
PI-Furneaux

Connecticut Department of Public Health - Tobacco Funds - Program Project Grant
 Project 3 examines potential mechanisms of smoking on fetal growth by examining placental pathology and HuR protein expression
 2006 - 2007
 \$160,000
PI –Furneaux

NIH R03 DA022226-01

Cannabinoid Receptor (CNR1), microRNAs and addictive disease.
 Studies on variants in human mRNA that modulate microRNA regulation of behavioral genes.
 9/1/06 – 8/31/10
 \$310,000 **PI-Furneaux**

Publications

1. **Furneaux HM**, Pearson CK: Properties of poly (ADP-ribose) polymerase from BHK cells. **Biochem Soc. Trans**, 5:743-745, 1977.
2. **Furneaux HM**, Pearson CK: The effects of NAD⁺ on RNA synthesis in isolated nuclei from BHK cells. **Biochem Soc. Trans**, 6:753-755, 1978.
3. Porteous JW, **Furneaux HM**, Lake CM: Poly (ADP-ribose) synthetase activity in nuclei of dividing and non-dividing but differentiating intestinal epithelial cells. **Biochem J**, 180: 455-463, 1979.
4. **Furneaux HM**, Pearson CK: Intracellular oxidized nicotinamide-adenine dinucleotide content and poly (adenosine diphosphate ribose) synthetase activity in serum-stimulated fibroblasts. **Biochem Soc. Trans**, 7: 697-699, 1979.
5. **Furneaux HM**, Pearson CK: Adenosine diphosphate ribose transferase from baby hamster kidney cells (CHK-21/C13). **Biochem J**, 187: 91-103, 1980.
6. Shuman S, Spencer E, **Furneaux HM**, Hurwitz J: The role of ATP in vitro vaccinia virus RNA synthesis. **J Biol. Chem.**, 255: 5396-5403, 1980.
7. **Furneaux HM**, Pearson CK: Intracellular NAD content and ADP-ribose polymerase activity of serum stimulated BHK cells. **J Cellular Physiology**, 105: 401-408, 1980.

8. Shuman S, Surks M, **Furneaux HM**, Hurwitz J: Purification and characterization of a GTP-pyrophosphate exchange activity from a vaccinia virus. **J Biol. Chem.** 255: 11588-11598, 1980.
9. **Furneaux HM**, Pick L, Hurwitz J: Isolation and characterization of RNA ligase from wheat germ. **Proc Natl. Acad. Sci**, 80: 3933-3937, 1983.
10. Perkins KK, **Furneaux HM**, Hurwitz J: Isolation and characterization of RNA ligase from HeLa cells. **Proc Natl. Acad. Sci**, 82: 684-688, 1985.
11. **Furneaux HM**, Perkins KK, Freyer GA, Arenas J, Hurwitz J: Isolation and characterization of two fractions from HeLa cells required for mRNA splicing in vitro. **Proc Natl. Acad. Sci**, 82: 4351-4355, 1985.
12. Perkins KK, **Furneaux HM**, Hurwitz J: RNA splicing products formed with isolated fractions from HeLa cells are associated with fast-sedimenting complexes. **Proc Natl. Acad. Sci**, 83: 887-891, 1986.
13. Pick L, **Furneaux HM**, Hurwitz J: Purification of wheat germ RNA ligase. **J Biol. Chem.**, 261: 6694-6704, 1986.
14. Perkins KK, **Furneaux HM**, Freyer GA, Arenas J, Pick L, Hurwitz J: Analysis of mRNA splicing using fractions isolated from HeLa cells and mutant adenovirus pre-mRNAs. In: **Cancer Cells, Cold Spring Harbor Laboratory**, 4: 247-258, 1986.
15. Freyer GA, Arenas J, Perkins KK, **Furneaux HM**, Pick L, Young B, Roberts R, Hurwitz J: In vitro formation of a lariat structure containing a G2-5G linkage. **J Biol. Chem.**, 262: 4267-4273, 1987.
16. **Furneaux HM**, Dropcho EJ, Barbut D, Tseng-Chen Y, Rosenblum MK, Old LJ, Posner JB: Characterization of a cDNA encoding a 34 kD Purkinje neuron protein recognized by sera from patients with Paraneoplastic cerebellar degeneration. **Proc Natl. Acad. Sci USA** 86: 2873-2877, 1989.
17. Pruzan R, **Furneaux HM**, Lassota P, Hong GY, Hurwitz J: Assemblage of the pre-spliceosome complex with separated fractions isolated from HeLa cells. **J Biol. Chem.**, 265: 2804-2813, 1990.
18. Kenny M, Schlegel U, **Furneaux HM**, Hurwitz J: The role of human single-stranded DNA binding protein and its individual subunits in simian virus 40 DNA replication. **J Biol. Chem.**, 265: 7693-7700, 1990.
19. **Furneaux HM**, Reich L, Posner JB: Autoantibody synthesis in the central nervous system of patients with paraneoplastic syndromes. **Neurology**, 40: 1085-1091, 1990.
20. Dalmau J, **Furneaux HM**, Gralla RJ, Kris MG, Posner JB: Detection of the anti-Hu antibody in the serum of patients with small cell lung cancer, a quantitative Western blot analysis. **Ann Neurol**, 27: 544-552, 1990.

21. **Furneau HM**, Rosenblum MK, Dalmau J, Wong E, Woodruff P, Posner JB: Selective expression of Purkinje cell antigens in tumor tissue from patients with paraneoplastic cerebellar degeneration. **N Eng. J Med.**, 322: 1844-51, 1990.
22. Pick L, **Furneau HM**, Hurwitz J: Purification and characterization of wheat germ ligase and associated activities. **Methods in Enzymology**, 181: 18-36, 1990.
23. Posner JB, **Furneau HM**: Paraneoplastic neurological syndromes. **Proc Ass Res. Nerv Men Dis**, 68: 187-219, 1990.
24. Schlegel U, Moots PL, Rosenblum MK, Thaler HT, **Furneau HM**: Expression of transforming growth factor alpha in human gliomas. **Oncogene**, 5: 1839-1842, 1990.
25. Luque FA, **Furneau HM**, Wray SH, Schold SC, Glanz MJ, Jaeckle KA, Biran H, Lesser M, Paulson WA, River ME, Posner JB: Anti-Ri: An antibody associated with paraneoplastic opsoclonus and breast cancer. **Annals Neurology**, 29: 241-251, 1991.
26. Darnell RB, **Furneau HM**, Posner JB: Antiserum from a patient with cerebellar degeneration identifies a novel protein in Purkinje cells, cortical neurons and neuroectodermal tumors. **J Neuroscience**, 11: 1224-1230, 1991.
27. Fathallah-Shaykh H, Wolf S, Wong E, Posner JB, **Furneau HM**: Cloning of a leucine zipper protein recognized by the sera of patients with antibody-associated paraneoplastic cerebellar degeneration. **Proc Nat Acad. Sci**, 88: 3451-3454, 1991.
28. Siniscalco M, Obele I, Melis P, Alhadeff B, Murray J, Filippi G, Nationi T, Chen Y-T, **Furneau HM**, Old LJ, Posner JB: Physical and genetic mapping of the CDR gene with particular reference to its position with respect to the FRAXA site. **Am J Med. Genetics**, 38: 357-362, 1991.
29. Dalmau J, **Furneau HM**, Rosenblum M, Graus F, Posner JB: Detection of the anti-Hu antibody in specific regions of the nervous system and tumor from patients with paraneoplastic encephalomyelitis/sensory neuronopathy. **Neurology** 41: 1757-1764, 1991.
30. Szabo A, Dalmau J, Manley G, Rosenfeld M, Wong E, Henson J, Posner JB, **Furneau HM**: HuD a paraneoplastic encephalomyelitis antigen contains RNA binding domains and is homologous to Elav and Sex-Lethal. **Cell** 67: 325-333, 1991.
31. Henson J, Rosenblum M, Armstrong D, **Furneau H**: Amplification of JC virus DNA from brain and cerebrospinal fluid of patients with progressive multifocall eucoencephalopathy. **Neurology** 41: 1967-1971, 1991.
32. Henson J, Saffer J, **Furneau H**: The transcription factor Sp1 binds to the JC virus promotor and is selectively expressed in glial cells in human brain. **Annals of Neurology** 32: 72-77, 1992.

33. Gress T, Baldini A, Rocchi M, **Furneau HM**, Posner JB, Siniscalco M: In situ mapping of the gene coding for a leucine zipper DNA binding protein (CDR62) to 16p12-16p13.1. **Genomics** 13: 1340-1342, 1992.
34. Schlegel U, Rosenfeld M, Voldanandt M, Rosenblum M, **Furneau HM**: p53 Mutations in primary lung tumors are conserved in brain metastasis. **J Neuro-Oncology** 14: 93-100, 1992.
35. DeAngelis LM, Wong E, Rosenblum M, **Furneau H**: Epstein-Barr virus in AIDS and non-AIDS primary central nervous system lymphoma. **Cancer** 70: 1607-1611, 1992.
36. Dalmau J, **Furneau HM**, Cordon-Cardo C and Posner JB. The expression of the Hu (paraneoplastic encephalomyelitis/sensory neuronopathy) antigen in human normal and tumor tissues. **Am J Path** 141(4): 1-6, 1992.
37. Rosenfeld M, Wong E, Dalmau J, Manley G, Egan D, Posner JB, Sher E, **Furneau HM**: Sera from patients with Lambert-Eaton myasthenic syndrome recognize the b subunit of Ca⁺⁺ channel complexes. **Ann NY Acad. Sci** 681: 408-412, 1993.
38. Rosenfeld M, Wong, E, Dalmau, J, Manley, G, Posner JB, Sher E, **Furneau HM**: The cloning and characterization of a Lambert-Eaton myasthenic syndrome antigen. **Ann Neurol** 33: 113-120, 1993.
39. Marusich HM, **Furneau HM**, Henion P, and Weston JA: Hu neuronal proteins are expressed in proliferating neurogenic cells. **J Neurobiol** 25: 143-155, 1994.
40. Manley G, Wong E, Dalmau J, Elkon K, Posner J and **Furneau H**. Sera from some patients with antibody-associated paraneoplastic encephalomyelitis recognize the Ro-52K antigen. **J Neuro Onc** 19:105-112, 1994.
41. Muresu R, Baldini A, Gress T, Posner JB, **Furneau HM** and Siniscalco M. Mapping of the gene coding for a paraneoplastic encephalomyelitis antigen (HuD) to human chromosome site 1p34 **Cytogenetics and Cell Genetics** 65:177-178, 1994.
42. Liu J, Dalmau J, Szabo A, Rosenfeld M, Huber J, and **Furneau HM***. Paraneoplastic encephalomyelitis antigens bind to the AU-rich elements of mRNA. **Neurology** 45:544-550, 1995.
43. Barami K, Iversen K, **Furneau HM**, and Goldman SA. Hu protein as an early marker of neuronal phenotypic differentiation by subependymal zone cells of the adult songbird forebrain. **J. Neurobiology** 28:82-101, 1995.
44. Chung S, Jiang L, Cheng S, and **Furneau HM***. Purification and properties of HuD, a neuronal RNA binding protein. **J. Biol. Chem.** 271:11518-11524, 1996.
45. **Furneau HM** . Neuronal nuclear auto antibodies, Type 1 (Hu), in Auto antibodies, J.B. Peter and Y. Shoenfeld, Editors.1996, **Elsevier Science B.V.**: Amsterdam. p. 551-554.

46. Ma W-J, Cheng S, Wright A, Campbell C and **Furneaux HM***. Cloning and characterization of HuR, a ubiquitously expressed Elav-like protein. **J. Biol. Chem.** 271:8144-8151, 1996.
47. Ma W-J, **Furneaux HM***. Localization of the human HuR gene to chromosome 19p13.2. **Hum Genet** 99:32-33, 1997.
48. Ma W-J, Chung S and **Furneaux HM***. The elav-like proteins bind to AU-rich elements and the poly (A) tail of mRNA. **Nuc. Acid Res.** 25: (18) 3564-3569, 1997.
49. Chung S, Eckrich, M, Perrone-Bizzozero N, Kohn DT, **Furneaux HM***. The Elav-like proteins bind to a conserved regulatory element in the 3' UTR of GAP-43 mRNA. **J. Biol. Chem.** 272:6593-6598, 1997.
50. Levy NS, Chung S, **Furneaux HM**, and Levy AP. Hypoxic stabilization of VEGF mRNA by the RNA-binding protein HuR. **J. Biol. Chem.**, 273:6417-6423, 1998.
51. Joseph B, Orlian M, and **Furneaux HM***. p21waf1 mRNA contains a conserved element in its 3{prime}-untranslated region that is bound by the Elav-like mRNA-stabilizing proteins. **J. Biol. Chem.**, 273:20511-20517, 1998.
52. Joseph B. and **Furneaux HM**. cDNA Libraries and Neurological Disease. **Arch. Neurol.**, 55(6): 785-788, 1998.
53. Nabors LB, **Furneaux HM**, King PH. HuR, a novel target of anti-Hu antibodies, is expressed in non-neural tissues. **J. Neuroimmunol.** 92:152-159, 1998.
54. Sokolowski M, **Furneaux HM**, and Schwartz S. The inhibitory activity of the AU-rich element in the human papillomavirus type 1 late 3' untranslated region correlates with its affinity for the elav-like HuR protein. **J. Virology**, 73:1080-1091, 1999.
55. Aranda-Abreu GE, Behar L, Chung S, **Furneaux H**, and Ginzburg I. Embryonic Lethal Abnormal Vision-Like RNA-Binding Proteins Regulates Neurite Outgrowth and Tau Expression in PC12 Cells. **J. Neuroscience** 19:6907-6917, 1999.
56. Wang W, **Furneaux H**, Cheng H, Caldwell MC, Hutter D, Liu Y, Holbrook N, and Gorospe M. HuR regulates p21 mRNA stabilization by UV light **Mol. Cell. Biol.** 20: 760-9, 2000.
57. Haeussler J, Haeusler J, Striebel AM, Assum G, Vogel W, **Furneaux H**, Krone W. Tumor Antigen HuR Binds Specifically to One of Five Protein-Binding Segments in the 3'-Untranslated Region of the Neurofibromin Messenger RNA. **Biochem Biophys Res. Commun** 267:726-732, 2000.
58. Wang W, Caldwell MC, Lin S, **Furneaux H** and Gorospe M. HuR regulates Cyclin and Cyclin B1 mRNA Stability during Cell Proliferation. **EMBO** 19:2340-50, 2000.

59. Mobarak CD, Anderson KD, Beckel-Mitchener A, **Furneaux H**, and Perrone-Bizzozero NI. The RNA-binding protein HuD induces neurite outgrowth in PC12Cells. **Mol Biol. Cell** 11:3191-203, 2000.
60. Zhao Z, and **Furneaux H.M.** The Identification of an mRNA endonuclease that cleaves within the HuR binding site of p27kip1 mRNA. **Nucleic Acids Res** 28:2695-701, 2000.
61. Anderson KD, Morin MA, Beckel-Mitchener A, Mobarak CD, Neve RL, **Furneaux H**, Burry R, Perrone-Bizzozero NI. Overexpression of HuD, but not of its truncated form HuD I+II, promotes GAP-43
62. Rodriguez-Pascual F, Hausding M, Ihrig-Biedert I, **Furneaux H**, Levy AP, Forstermann U, Kleinert H. Complex contribution of the 3'-untranslated region to the expressional regulation of the human inducible nitric-oxide synthase gene. Involvement of the RNA-binding protein HuR. **J Biol. Chem.**275: 26040-9, 2000
63. Di Marco S, Hel Z, Lachance C, **Furneaux H**, Radzioch D. Polymorphism in the 3' untranslated region of TNFalpha mRNA impairs binding of the post-transcriptional regulatory protein HuR to TNFalpha mRNA. **Nucleic Acids Res.** 29:863-871, 2001.
64. Ana Cuadrado, Cristina Navarro-Yubero, **Henry Furneaux**, Jochen Kinter, Peter Sonderegger and Alberto Muñoz. HuD binds to three AU-rich sequences in the 3'-UTR of neuroserpin mRNA and promotes the accumulation of neuroserpin mRNA and protein **Nuc Acid Res.** 30: 2202-2211, 2002.
65. B. B. Yeap, Dominic Voon, Julian Vivian, Ross McCulloch, Andrew M. Thomson, Maria F. Czyzyk-Krzeska, **Henry Furneaux**, Matthew C. Wilce, Jackie Wilce and Peter J. Leedman. Novel Cooperative Binding of HuR and Poly C Binding Protein to a Conserved UC-rich Motif within the 3' Untranslated Region of the Androgen Receptor messenger RNA, **J. Biol. Chem.**, Vol. 277; 30, 27183-27192, 2002
66. Goldberg-Cohen I, **Furneaux H**, Levy AP. A 40-bp RNA element that mediates stabilization of vascular endothelial growth factor mRNA by HuR. **J Biol Chem.** 2002 Apr 19;277(16):13635-40.
67. Giles, K.M., Daly, J.M., Beveridge, D.J., Voon, D.C., Thomson, A.M., **Furneaux, H.M.**, Jazayeri, J.A., and Leedman, P.J. The 3'-UTR of p21^{WAF1} mRNA is a complex *cis*-acting element bound by multiple RNA-binding proteins from breast cancer cells, including HuR, poly(C)-binding protein (CP1) and poly (A)-binding protein, **J Biol Chem.** 2003 Jan 31;278(5):2937-46. Epub 2002 Nov 12.
68. Kloess, SW., **Furneaux, H.**, and Mülsch, A. Posttranscriptional regulation of soluble guanylylcyclase expression in rat aorta. **J. Biol. Chem.** 2002
69. Sengupta, S., Jang B.C. Wu, M-T., Paik, J-H, **Furneaux, H.** and Hla T. "The RNA binding protein HuR regulates the expression of Cyclooxygenase-2" **JBC (2003) Vol. 278**

70. Ana Cuadrado,* Cristina Navarro-Yubero,* **Henry Furneaux**,[†] and Alberto Muñoz
“Neuronal *HuD* gene encoding an mRNA stability regulator is transcriptionally repressed by thyroid hormone” **J. Neurochem** (2003) 86(3):763-73.
71. Bogdan, C.A., Alexander, A.A., Gorny, M.K., Matute, R., Marjanovic, N., Zolla-Pazner, S., Walden, P.D., **Furneaux, H.M.**, Sidhu, G.S., and Jacobson, D.R. “Chronic Lymphocytic Leukemia with Prostate Infiltration Mediated by Specific Clonal Membrane-bound IgM¹” **Cancer Res.** (2003) 63: 2067-2071
72. Erkinheimo TL, Lassus H, Sivula A, Sengupta S, **Furneaux H**, Hla T, Haglund C, Butzow R, Ristimaki A. Cytoplasmic HuR expression correlates with poor outcome and with cyclooxygenase 2 expression in serous ovarian carcinoma. **Cancer Res.** 2003 Nov 15; 63(22):7591-4.
73. Chae SS, Paik JH, **Furneaux H**, Hla T, Requirement for sphingosine 1-phosphate receptor-1 in tumor angiogenesis demonstrated by in vivo RNA interference. **J Clin. Invest.** 2004 Oct; 114(8):1082-9.
74. Smith CL, Afroz R, Bassell GJ, **Furneaux HM**, Perrone-Bizzozero NI, Burry RW. GAP-43 mRNA in growth cones is associated with HuD and ribosomes. **J. Neurobiol.** 2004 Nov; 61(2):222-35.
75. Sung-Suk Chae, Ji-Hye Paik, Jonathan Schubert-Coleman, **Henry Furneaux**, Timothy Hla: Application of the RNA Interference (RNAi) Technology to Angiogenesis Research. H. Augustin (Ed.), 2004, **Methods in Endothelial Cell Biology** - Springer Lab
76. Heinonen M, Bono P, Narko K, Chang SH, Lundin J, Joensuu H, **Furneaux H**, Hla T, Haglund C, Ristimaki A. Cytoplasmic HuR expression is a prognostic factor in invasive ductal breast carcinoma. **Cancer Res.** 2005 Mar 15; 65(6):2157-61
77. Erkinheimo TL, Sivula A, Lassus H, Heinonen M, **Furneaux H**, Haglund C, Butzow R, Ristimaki A. Related Articles, Links Cytoplasmic HuR expression correlates with epithelial cancer cell but not with stromal cell cyclooxygenase-2 expression in mucinous ovarian carcinoma. **Gynecol Oncol.** 2005 Oct; 99(1):14-9.
78. Abdelmohsen K., Pullmann R., Jr., Lal, A., Kim, HH. Galban, S., Yang, X., Blethrow, J., Shubert J., Gillespie, DA, **Furneaux H.** and Gorospe, M. Regulation of SIRT1 Expression by RNA-Binding Protein HuR: Role of Checkpoint Kinase Chk2 **Molecular Cell**, ;25(4):543-57, 2007

79. Adams, BD, **Furneauux H**, White, B. The micro-RNA miR-206 Targets the Human Estrogen Receptor- $\{\alpha\}$, and Represses ER $\{\alpha\}$ mRNA and Protein Expression in Breast Cancer Cell Lines. **Molecular Endocrinology** May; 21(5):1132-47, 2007
80. Salzman DW, Shubert-Coleman J, **Furneauux H**. P68 RNA helicase unwinds the human let-7 microRNA precursor duplex and is required for let-7-directed silencing of gene expression. **J Biol Chem**. 2007 Nov 9;282(45):32773-9
81. Chakrabarty A, Tranguch S, Daikoku T, Jensen K, **Furneauux H**, Dey SK. MicroRNA regulation of cyclooxygenase-2 during embryo implantation **Proc Natl Acad Sci USA**. 2007 ;104(38):15144-9
82. Jensen KP, Covault J, Conner TS, Tennen H, Kranzler HR, **Furneauux HM**. A common polymorphism in serotonin receptor 1B mRNA moderates regulation by miR-96 and associates with aggressive human behaviors. **Molecular Psychiatry** 2009 14(4):381-9
83. Felice KM, Salzman DW, Shubert-Coleman J, Jensen KP, Furneauux HM. The 5' terminal uracil of let-7a is critical for the recruitment of mRNA to Argonaute2. **Biochem J**. 2009 Aug 13;422(2):329-41
84. Conner TS, Jensen KP, Tennen H, Furneauux HM, Kranzler HR, Covault J. Functional polymorphisms in the serotonin 1B receptor gene (HTR1B) predict self-reported anger and hostility among young men. **Am J Med Genet B Neuropsychiatr Genet**. 2010 Jan 5;153B(1):67-78.
85. Ghosh M, Aguila HL, Michaud J, Ai Y, Wu MT, Hemmes A, Ristimaki A, Guo C, Furneauux H, Hla T. Essential role of the RNA-binding protein HuR in progenitor cell survival in mice. **J Clin Invest**. 2009 Dec;119(12):3530-43.