

1998 Bibliography of Publications

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Introduction

The 1998 Bibliography of Publications cites journal articles, books, book chapters, editorial letters, published abstracts, book reviews, and web sites published by 167 authors under the auspices of the University of North Texas Health Science Center at Fort Worth during the calendar year. The accuracy of references has been verified. This 1998 bibliography, containing 227 unique citations, provides a comprehensive listing of the publications of faculty, staff, and students; and an overview of their accomplishments and research interests. We have also included thirty-three citations from 1997 which were inadvertently omitted from last year's bibliography.

Entries are grouped by division, then by department, and arranged alphabetically by author within each department. For collaborative works, the entry is cited under each author. There are separate sections for students of the Graduate School of Biomedical Sciences, and Physician Assistant Studies. The format used to cite publications follows the style established by the National Library of Medicine.

Division of Basic Sciences

Anatomy and Cell Biology

Neeraj Agarwal, Ph.D.
Assistant Professor

- Agarwal N. **Apoptotic mechanisms of oxidative damage of photoreceptor cell death in retinal dystrophies: role of nuclear transcription factor, NF-kB [Abstract]**. Experimental Eye Research 1998 Jul;67(supp.1):S204.
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- Agarwal, N, Krishnamoorthy, R, Desai, N, Moorman, SJ. **Changes in gravitational force induce changes in gene expression in the zebrafish vestibular system [Abstract]**. In: Abstracts of papers presented at the 1998 meeting on zebrafish development & genetics, April 29-May 3, 1998. Cold Spring Harbor, N.Y.: Cold Spring Harbor Laboratory; 1998. p. 149.
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- Chaitin MH, Agarwal N, Krishnamoorthy R. **Expression of CD44 mRNA in the retina during development and rds degeneration [Abstract]**. Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S1053.
- Crawford MJ, Krishnamoorthy R, Rudick VL, Al-Ubaidi M, Agarwal N. **Overexpression of Bcl-2 in cultured photoreceptor cells protects from photo-oxidative damage induced apoptosis by sustaining NF-kB levels [Abstract]**. Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S1105.
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- Sharma A, Sinha S, Buraczynska N, Agarwal N, Yang-Feng T, Swaroop A. **Expression and chromosomal localization of genes expressed in the retina and retinal pigment epithelium (RPE) [Abstract]**. Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S915.

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Rajnee Agarwal
Senior Research Assistant

Agarwal R, Talati M, Lambert W, Agarwal N, Clark AF, Wilson SE, Wordinger RJ. **Fas activated apoptosis and other apoptosis mediators in human trabecular meshwork cells [Abstract].** Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S799.

Lambert W, Agarwal R, Betton R, Craig E, Clark AF, Wordinger RJ. **Expression of neurotrophins and their high affinity receptors (TRKs) by cells of the optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S260.

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Anne Marie Brun-Zinkernagel
Research Associate

Chaitin MH, Brun-Zinkernagel AM. **Immunolocalization of CD44 in the dystrophic rat retina.** Experimental Eye Research 1998 Sep;67(3):283-92.

Wei B, Laporte D, Shin S, Brun-Zinkernagel AM, Romeo T. **Effects of the global regulatory gene *csrA* on acetate metabolism and motility of *Escherichia coli* [Abstract].** Abstracts of the General Meeting of the American Society for Microbiology 1998;1998:329.

Patrick R. Cammarata, Ph.D.
Professor

Cammarata PR, Singh I, Liu X. **Down's syndrome fibroblasts exhibit asymmetric levels of sodium/myo-inositol cotransporter mRNA in proportion to gene dosage [Abstract].** Experimental Eye Research 1998 Jul;67(supp.1):S194.

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Michael H. Chaitin, Ph.D.
Associate Professor

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Abbot F. Clark, Ph.D.
Adjunct Professor

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Raghu Krishnamoorthy, Ph.D.
Postdoctoral Research Associate

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Jing Jing Liu, Ph.D.
Postdoctoral Research Fellow

- Liu JJ, Roque RS. **Human Müller cells express VEGF183, a novel spliced variant of vascular endothelial growth factor [Abstract]**. Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S1115.
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Mitchell D. McCartney, Ph.D.
Adjunct Assistant Professor

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Stephen J. Moorman, Ph.D.
Assistant Professor

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- Moorman SJ, Gould RM. **Differentiating oligodendrocytes inhibit neuronal growth cone motility in different ways**. Journal of Neuroscience Research 1997 Dec;50(5):791-7.

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Tammy H. Nelson
Research Associate

Sheedlo HJ, Nelson TH, Lin N, Rogers TA, Roque RS, Turner JE. **RPE secreted proteins and antibody influence photoreceptor cell survival and maturation**. Brain Research. Developmental Brain Research 1998 Apr 17;107(1):57-69.

Turner JE, Nelson TH, Sheedlo HJ. **Photoreceptor cell survival promoted by an RPE secreted factor, a member of a trypsin protease inhibitor family [Abstract]**. Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S218.

Oakford, Lawrence X., Ph.D.
Technical Manager of MCS

Mia AJ, Oakford LX, Wood J, Dibas A, Yorio T. **Effect of temperature on apical membrane remodeling in ADH-stimulated toad urinary bladder**. Proceedings of the Society for Experimental Biology and Medicine 1998 Sep;218(4):307-15.

Edward L. Orr, Ph.D.
Associate Professor

Lewis BL, Orr EL. **Capsaicin stimulates histamine release from mouse dural mast cells in vitro [Abstract]**. Society for Neuroscience Abstracts 1998;24(pt.2):1837.

D. Michael Payne, Ph.D.
Senior Research Associate

Liu L, Payne DM, van Santen VL, Dybvig K, Panangala VS. **A protein (M9) associated with monoclonal antibody-mediated agglutination of *mycoplasma gallisepticum* is a member of the pMGA family**. Infection and Immunity 1998 Nov;66(11):5570-5.

Lonergan SM, Huff-Lonergan E, Payne DM. **Purification and partial characterization of a high molecular weight bovine skeletal muscle calpastatin [Abstract]**. FASEB Journal 1997 Feb 28;11(3):A52.

Rusty E. Reeves, Ph.D.
Postdoctoral Research Fellow

Reeves RE, Sanchez-Torres J, Coca-Prados M, Cammarata PR. **Expression of pl^{cln} mRNA in cultured bovine lens epithelial cells: response to changes in cell volume**. Current Eye Research 1998 Sep;17(9):861-69.

Rouel S. Roque, M.D.
Associate Professor

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Liu JJ, Roque RS. **Human Müller cells express VEGF183, a novel spliced variant of vascular endothelial growth factor [Abstract].** Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S1115.

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Sheedlo HJ, Nelson TH, Lin N, Rogers TA, Roque RS, Turner JE. **RPE secreted proteins and antibody influence photoreceptor cell survival and maturation.** Brain Research. Developmental Brain Research 1998 Apr 17;107(1):57-69.

Victoria L. Rudick, Ph.D.
Associate Professor

Crawford MJ, Krishnamoorthy R, Rudick VL, Al-Ubaidi M, Agarwal N. **Overexpression of Bcl-2 in cultured photoreceptor cells protects from photo-oxidative damage induced apoptosis by sustaining NF-kB levels [Abstract].** Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S1105.

Harold J. Sheedlo, Ph.D.
Research Assistant Professor

Agarwal N, Crawford MJ, Krishnamoorthy R, Sheedlo HJ, Roque RS, Organisciak DT, Al-Ubaidi M. **Characterization of a SV-40 T-antigen transformed 661W mouse photoreceptor cell line [Abstract].** Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S1055.

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Turner JE, Nelson TH, Sheedlo HJ. **Photoreceptor cell survival promoted by an RPE secreted factor, a member of a trypsin protease inhibitor family [Abstract].** Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S218.

James E. Turner, Ph.D.
Chair/Professor

- Lin N, Chen B, Sheedlo HJ, Chalam CV, Tripathi RC, Turner JE. **Effect of basic fibroblast growth factor on age-related retinal degeneration in Fischer 344 rats: an ultrastructural study [Abstract]**. Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S572.
- Sheedlo HJ, Nelson TH, Lin N, Rogers TA, Roque RS, Turner JE. **RPE secreted proteins and antibody influence photoreceptor cell survival and maturation**. Brain Research. Developmental Brain Research 1998 Apr 17;107(1):57-69.
- Sheedlo HJ, Turner JE. **Immunocytochemical characterization of proteins secreted by retinal pigment epithelium in retinas of normal and Royal College of Surgeons dystrophic rats**. Journal of Anatomy 1998 Aug;193(2):223-32.
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Robert J. Wordinger, Ph.D.
Associate Professor

- Agarwal R, Talati M, Lambert W, Agarwal N, Clark AF, Wilson SE, Wordinger RJ. **Fas activated apoptosis and other apoptosis mediators in human trabecular meshwork cells [Abstract]**. Investigative Ophthalmology and Visual Science 1998 Mar 15;39(4):S799.
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Yaming Xue
Senior Research Assistant

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Integrative Physiology

Barbara A. Barron, Ph.D.
Assistant Professor

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Xiaoming Bian, M.D., Ph.D.
Postdoctoral Research Associate

Bian X, Downey HF. **Right coronary pressure (RCP) modulates right ventricular (RV) myocardial O₂ consumption (MVO₂) [Abstract].** Journal of Molecular and Cellular Cardiology 1998 Jul;30(7):A242.

Bian X, Downey HF. **Right coronary pressure (RCP) modulates right ventricular (RV) systolic stiffness and O₂[Abstract].** Journal of Molecular and Cellular Cardiology 1998 Jul;30(7):A242.

Bian X, Williams AG, Gwartz PA, Downey HF. **Right coronary autoregulation in conscious, chronically instrumented dogs.** American Journal of Physiology 1998 Jul;275(1 pt.2):H169-75.

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James L. Caffrey, Ph.D.
Professor

Napier LD, Stanfill A, Yoshishige DA, Jackson KE, Barron BA, Caffrey JL. **Autonomic control of heart rate in dogs treated chronically with morphine.** American Journal of Physiology 1998 Dec;275(6 pt.2):H2199-210.

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H. Fred Downey, Ph.D.
Professor

Bai XJ, Wang JQ, Li Y, Downey HF. **[Mechanism of coronary vasodilation in myocardial regional hypoxia].** National Medical Journal of China 1998 Jul;78(7):528-30. (Chinese)

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Brian H. Foresman, D.O.
Adjunct Assistant Professor

Wilson JR, Foresman BH, Gamber RG, Wright T. **Hyperbaric oxygen in the treatment of migraine with aura.** Headache 1998 Feb;38(2):112-5.

Stephen R. Grant, Ph.D.
Research Assistant Professor

Molkentin JD, Lu JR, Antos CL, Markham B, Richardson J, Robbins J, Grant SR, Olson EN. **A calcineurin-dependent transcriptional pathway for cardiac hypertrophy.** Cell 1998 Apr 17;93(2):215-28.

Patricia A. Gwartz, Ph.D.
Professor

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Robert T. Mallet, Ph.D.
Associate Professor

Mallet RT, Sun J. **Pyruvate enhancement of cardiac function and energetics requires its mitochondrial metabolism [Abstract].** Journal of Molecular and Cellular Cardiology 1998 Jul;30(7):A242.

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Peter B. Raven, Ph.D.
Chair/Professor

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