

## **HAROLD E. CROSS, M.D., Ph.D.**

**Professor, Director Medical Student Teaching  
Department of Ophthalmology and Vision Science  
College of Medicine  
University of Arizona  
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Tucson, AZ 85711-1824  
520-321-3677  
hcross@eyes.arizona.edu**

### **CHRONOLOGY OF EDUCATION**

1960 B.A.	Goshen College, Goshen, Indiana
1964 M.D.	The Johns Hopkins University School of Medicine, Baltimore, MD
1967 Ph.D.	The Johns Hopkins University School of Medicine, Baltimore, MD Thesis: Genetic Studies in an Amish Isolate, Victor A. McKusick, MD advisor
Internship: 1963-1964	The University of Washington Hospital (Medicine), Seattle, WA
Residency: 1969-1972	The Wilmer Institute/Johns Hopkins Hospital, Baltimore, MD (Ophthalmology)
Certification:	American Board of Ophthalmology, October, 20, 1974

### **EMPLOYMENT**

4/2008-Present	Visiting Professor, St. George's, University of London
8/2005-Present	Professor and Director, Medical Student Teaching. College of Medicine, University of Arizona, Department of Ophthalmology and Vision Science
1998-2005	Clinical Professor and Director, Medical Student Teaching, College of Medicine, University of Arizona – Department of Ophthalmology and Vision Science
1980-1998	Assistant Clinical Professor, Department of Ophthalmology and Vision Science
1990-1997	Thomas Davis Medical Center (Group Practice) Department of Ophthalmology
1987-1994	Medical Director, Low Vision Services, St. Joseph's Hospital, Tucson, Arizona
1980-1990	Ophthalmology (Private Practice) Tucson, AZ 85712
1973-1980	Professor of Surgery and Head, Section of Ophthalmology, College of Medicine, University of Arizona
1972-1973	Assistant Professor of Ophthalmology & Assistant Professor of Medicine
1972-1974	Director, Medical Student Teaching

The Johns Hopkins University School of Medicine

**HONORS AND AWARDS**

1969-1970	Special Fellowship, National Institute of Neurological Diseases and Blindness, NIH
1970-1972	Special Fellowship, National Eye Institute, NIH
1972-1973	Research Career Development Award, NIH

**PROFESSIONAL ACTIVITY**

**Membership/Local Organizations**

- Board of Governors – Ventana Golf and Racquet Club, 1989-1994
- Tucson Association for the Blind and Visually Impaired, 1995-97 (President 1996-97)

**Professional Recognition**

- Community Leaders of America – American Biographical Institute
- Dictionary of International Biography, London
- Who's Who in Arizona
- Who's Who in the East – Marquis Who's Who, Inc., Chicago
- Who's Who in Health Care – Hanover Publications, Inc.
- Who's Who in the West – Marquis Who's Who, Inc., Chicago

**Professional Appointments**

1964-1967	Post Doctoral Fellow and Graduate Student in Human Genetics Division of Medical Genetics, Department of Medicine The Johns Hopkins University School of Medicine
1967-1969	Instructor, Department of Medicine, The Johns Hopkins Hospital The Johns Hopkins University School of Medicine
1967-1969	Chief, Genetics Service Malcolm Grow USAF Hospital Andrews Air Force Base, Washington, D.C.
1967-1970	Guest Faculty, Genetics Course, Commission on Continuing Education American Society of Clinical Pathology
1968-1969	Military Consultant to Surgeon General (Genetics) United States Air Force
1968-1969	Assistant Clinical Professor in Obstetrics and Gynecology George Washington University
1972-1973	Assistant Professor of Ophthalmology & Assistant Professor of Medicine The Johns Hopkins University School of Medicine, Director of Medical Student Teaching
1973-1999	Regional Interviewer of Medical School Applicants

1973-1976 The Johns Hopkins University School of Medicine  
Associate Professor of Ophthalmology  
The University of Arizona, College of Medicine  
1973-1980 Head, Section of Ophthalmology  
The University of Arizona, College of Medicine  
1976-1980 Professor of Ophthalmology  
The University of Arizona College of Medicine  
1980-1998 Clinical Assistant Lecturer in Ophthalmology  
The University of Arizona College of Medicine  
1991-2007 Community Interviewer, Medical School Applicants  
The University of Arizona College of Medicine

### **CONSULTANTSHIPS**

1972-1973 Delaware State Hospital  
1974-1976 Arizona Training School  
1973-1980 Veteran's Administration Hospital, Tucson, Arizona  
1975-1991 Arizona State School for the Deaf and Blind, Tucson, Arizona  
1977-1982 USAF Hospital, Davis-Monthan Air Force Base, Tucson, Arizona

### **DIPLOMATE**

1964 National Board of Medical Examiners  
1974 American Board of Ophthalmology

### **TEACHING RESPONSIBILITIES**

1972-1973 The Johns Hopkins University School of Medicine  
Director, Medical Student Teaching & Elective Programs in Ophthalmology  
1973-1980 The University of Arizona College of Medicine  
Director, Medical Student Teaching and Elective Programs in  
Ophthalmology, Department of Ophthalmology and Vision Science  
1973-1980 The University of Arizona College of Medicine  
Director, Ophthalmology Residency Program  
1970-1980 Lecturer in Continuing Education Courses  
American Academy of Ophthalmology and Otolaryngology  
1998- present Director, Medical Student Teaching, Department of Ophthalmology  
and Vision Science, College of Medicine, University of Arizona

### **COMMITTEE APPOINTMENTS**

1972-1973 The Johns Hopkins University School of Medicine  
Department of Ophthalmology  
Residency Selections Committee (Department)  
1973-1980 The University of Arizona College of Medicine  
Ad hoc Committee for evaluation of student failure in surgery (College)

- Department of Neurology Administrative Review Committee (College)  
 Committee on Promotion and Tenure (Department)  
 Ambulatory Care Committee (College)  
 Committee on Committees (Department)
- 1975-1977 Member, Standing Committee on Retinal and Choroidal Diseases  
 National Eye Advisory Council  
 National Institutes of Health  
 Department of Health, Education and Welfare
- 1975-1978 Chairman, Medical Advisory Board  
 Retinitis Pigmentosa Foundation
- 1969-1978 Edgemoade School, Youth Rehabilitation Center, Inc.  
 Advisory Board, 1969-1973  
 Member, Board of Directors, 1973-1978  
 Chairman, Executive Committee, 1973-1977  
 President, 1977-1978
- 1973-1980 Association of University Professors of Ophthalmology  
 Member: Planning Committee  
 Research Committee
- 1973-1980 United Way Committee on Services to Blind and Visually Impaired Persons
- 1999-2001 Curriculum Committee, University of Arizona, College of Medicine
- 2004-present Residency Review Committee, University of Arizona, Department of  
 Ophthalmology
- 2005-Present Clinical Curriculum Committee for AzMed, University of Arizona, College of  
 Medicine
- 2007-Present Committee on Promotion and Tenure, College of Medicine, University of  
 Arizona, Department of Ophthalmology and Vision Science
- 2007- 2010 Committee on Admissions, University of Arizona, College of Medicine

## **PUBLICATIONS**

### **Books and Chapters**

1. Cross HE, Gingerich E: *Ohio Amish Directory, Holmes County and Vicinity*. Baltimore, Md: Publication Press; 1965.
2. Cross HE: *Ohio Amish genealogy, Holmes County and Vicinity*. Baltimore, Md: Publication Press; 1967.
3. McKusick VA, Cross HE: Genealogical linkage of records in two isolate populations. In: Acheson ED, ed. *Record Linkage in Medicine: Proceedings of the International Symposium*. 1968:265-270.
4. Cross HE, McKusick VA: Neurological disorders and mental retardation in a genetic isolate. In: Barbeau A, ed. *Progress in Neurogenetics: Proceedings of the Second International Congress on Neurogenetics and Neuro-Ophthalmology*. Excerpta Medica Foundation, Amsterdam, the Netherlands:1968:759-767.
5. Cross HE: Some demographic characteristics of Amish society. In: Hostetler JA, ed. *Conference on Child Socialization: National Institute of Mental Health, US Department of Health, Education and Welfare*. Bethesda, Md: 1969:1-26.

6. Cross HE: Genetics in ophthalmology. In: Ryan SJ, ed. *A Survey of Ophthalmology*. Baltimore, Md: The Wilmer Institute; 1971:334-359.
7. Cross HE, Gingerich EE: *Indiana Amish Directory, Elkhart and Lagrange Counties*. Baltimore, Md: Publication Press; 1971.
8. Cross HE: Case report C: Troyer syndrome: A recessively inherited form of spastic paraplegia with distal muscle wasting. *The Clinical Delineation of Birth Defects. The Nervous System*. New York, NY: National Foundation – March of Dimes; 1971;6:214-215.
9. Cross HE: Case report D: Mast syndrome: A recessively inherited form of pre-senile dementia with motor disturbance. *The Clinical Delineation of Birth Defects. The Nervous System*. New York, NY: National Foundation – March of Dimes; 1971;6:214-215.
10. Bergsma D, ed. McKusick VA, Hussels IE, Cross HE, assoc. eds. *The Second Conference on the Clinical Delineation of Birth Defects*. Part VIII. Eye. Baltimore, Md: Williams & Wilkins; 1971.
11. Cross HE, Hostetler B: *Index to Selected Amish Genealogies*. Baltimore, Md: C.C. Center; 1971.
12. Cross HE: Genetic counseling. In: *Contemporary Ophthalmology: Selected Proceedings of the American Academy of Ophthalmology and Otolaryngology*. St. Louis, Mo: V C Mosby Co; 1972:225-245.
13. Witkop DJ, Cross HE: Gingival fibromatosis with hypopigmentation, microphthalmia, oligophrenia and athetosis. In: Bergsma D, ed. *Birth Defects: Atlas and Compendium*. National Foundation – March of Dimes. Baltimore, Md: Williams & Wilkins; 1973:434-435.
14. Cross HE: Linkage. In: Goldberg M, ed. *Genetics and Metabolic Eye Disease*. Boston, Mass: Little, Brown and Co; 1974:59-72.
15. Cross HE: Ectopia lentis in systemic heritable disorders. In: Bergsma D, ed. *Medical Genetics Today*. National Foundation – March of Dimes. Baltimore, Md: Williams & Wilkins; 1974:113-119.
16. Cross HE: Educational implications of visual disorders. In: Haslem RHA, Valletutti P, eds. *Medical Problems in the Classroom*. Baltimore, Md: University Park Press; 1975:15-31.
17. Cross HE: Differential diagnosis and treatment of dislocated lenses. In: Braun A, Cotlier EL, eds. *Metabolic Diseases of the Eye*. Birth Defects: Original Article Series: The National Foundation; 1976:12:335-346. Philadelphia, Pa: W B Saunders Co; 1980:1672-1706.
18. Cross HE: Aniridia; anisocoria; cataract and ichthyosis; cortical and nuclear cataracts; ectopia lentis; lenticonus; ocular albinism: ocular colobomas: polar and capsular cataracts; pupillary membrane persistence. In: Bergsma D, ed. *Birth Defects: Atlas and Compendium*. Baltimore, Md: Williams & Wilkins; 1980.
19. Cross HE: Genetics and eye disease. In: Peyman GA, Sanders DR, Golberg MF, eds. *Principles and Practice of Ophthalmology*. Philadelphia, Pa: W B Saunders Co; 1980:1672-1706.
20. Cross HE: Retrolental fibroplasia. In: Sell EJ, ed. *Follow-up of the High Risk Newborn – A Practical Approach*. Springfield, Ill: Charles C Thomas Publisher; 1980:118-124.

21. Cross HE: Microspherophakia. In: Fraunfelder FT, Roy FH, eds. *Current Ocular Therapy* 2. Philadelphia, Pa: W B Saunders Co; 1985:437.
22. Cross HE: Educational implications of visual disorders. In: Haslam, RHA, Valletutti PH, eds. *Medical Problems in the Classroom*. Austin, Tex: Pro-ed; 1985:123-144.
23. Cross HE: Cataract, cortical and nuclear, p 290; Cataract, polar and capsular, p 292; Cataract-microcornea syndrome, p 294; Cataracts (core article), p 295; Lenticonus, p 1042; Ectopic lens and pupil, p 1040; Ectopic lens, p 1041. In: Mary Louise Buyse, M.D., ed. *Birth Defects Encyclopedia*. Dover, Del: Center for Birth Defects Information Services, Inc; 1990.

## CONTRIBUTING ARTICLES

1. Cross HE: Examination of CSF in fat embolism. *Arch Intern Med*. 1965;115:47-474.
2. Burnell JM, Thomas ED, Ansell JS, Cross HE, Dillard DB, Epstein RB, et al. Observations of cross circulation in man. *Am J Med*. 1965;38:832-841.
3. Cross HE: Neurologic disorders in the Amish. *Trans Am Neurol Assoc*. 1965;90:235-236.
4. McKusick VA, Cross HE: Ataxia-telangiectasia and Swiss-type agammaglobulinemia. Two genetic disorders of the immune mechanism in related Amish sibships. *JAMA*. 1966;195:739-745.
5. Kwiterovich PO, Cross HE, McKusick VA: Mongolism in an inbred population. *Bull, The Johns Hopkins Hospital*. 1966;119:268-275.
6. Cross HE, McKusick VA: The Mast syndrome: a recessively inherited form of presenile dementia with motor disturbances. *Arch Neurol*. 1967;16:1-13.
7. Cross HE, McKusick VA, Breen W: A new oculocerebral syndrome with hypopigmentation. *J Ped*. 1967;70:398-406.
8. Cross HE, McKusick VA: The Troyer syndrome: A recessive form of spastic paraplegia with distal muscle wasting. *Arch Neurol*. 1967;16:473-485.
9. Cross HE, Kennel EE, Lilienfeld AM, McKusick VA: Cancer of the cervix in the Amish. *Trans Assoc Am Phy*. 1967;80:133-141.
10. McKusick VA, Bias WB, Norum RA, Cross HE: Blood groups in two Amish demes. *Humangenetik*. 1967;5:36-41.
11. Cross HE, McKusick VA: A survey of neurological disorders in a genetic isolate. *Neurology*. 1967;17:743-751.
12. Cross HE, Kennel EE, Lilienfeld AM: Cancer of the cervix in an Amish population. *Cancer*. 1968;21:102-108.
13. Cross HE, Wells RS, Esterly JR: Inheritance in epidermolysis bullosa letalis. *J Med Genet*. 1968;5:189-196.
14. Cross HE, Hollander CS, Rimoin DL, McKusick VA: Familial goitrous cretinism accompanied by muscular hypertrophy. *Pediatrics*. 1968;41:413-420.
15. Cross HE, Lerberg DB, McKusick VA: Type II syndactyly. *Am J Hum Genet*. 1968;20:368-380.
16. Cross HE, Opitz JM: Craniosynostosis in the Amish. *J Ped*. 1969;75:1037-1044.
17. Cross HE, McKusick VA: Amish demography. *Soc. Biol*. 1970;17:83-101.
18. Cross HE, Maumenee AE, Cantolino SJ: Inheritance of Fuch's endothelial dystrophy. *Arch Ophthal*. 1971;85:268-272.

19. Cross HE: Discussion of paper: Juvenile sex-linked retinoschisis: clinical and genetic studies, by Burns RF, Lovrien E, Cibis AB: *Trans Am Acad Ophthal Otolaryn.* 1971;75:1019-1021.
20. Cross HE, Pfaffenbach DD: Duane's retraction syndrome and associated congenital malformations. *Am J Ophthal.* 1972;73:442-450.
21. Cross HE: Genetic Counseling. *Trans Am Acad Ophthal Otolaryn.* 1972;76:1203-1213.
22. Jensen AD, Cross HE: Surgical treatment of dislocated lenses in the Marfan syndrome and homocystinuria. *Trans Am Acad Ophthal Otolaryn.* 1972;76:1491-1499.
23. Cross HE, Maumenee AE: Ocular trauma during amniocentesis. Letter to the Editor. *NEJM.* 1972;287:993-994.
24. Pfaffenbach DD, Cross HE, Kearns TP: Congenital anomalies in Duane's retraction syndrome. *Arch Ophthal.* 1972;88:635-639.
25. Cross HE, Jensen AD: Ocular manifestations in the Marfan syndrome and homocystinuria. *Am J Ophthal.* 1973;75:405-420.
26. Cross HE, Maumenee AE: Ocular trauma during amniocentesis. *Arch Ophthal.* 1973;90:303-304.
27. Cross HE, Maumenee AE: Progressive spontaneous atrophy of the iris. *Survey Ophthal.* 1973;18:186-199.
28. Cross HE, Bard L: Electro-oculography in Best's macular dystrophy. *Am J Ophthal.* 1974;77:46-50.
29. Jensen AD, Cross HE, Paton D: Ocular complications in the Weil-Marchesani syndrome. *Am J Ophthal.* 1974;77:261-269.
30. Cross HE: Non-technical factors in aphakic refractions. The Refraction Letter, March, 1975. *Trans Am Acad Ophthal Otolaryn.* 1972;76:1491-1499.
31. Stevens R, Cross HE, Morrow G: Histidinemia with features of the Marfan syndrome. *J Ped.* 1975;86:907-910.
32. Cross HE, Yoder FL: Familial nanophthalmos. *Am J Ophthal.* 1976;81:300-306.
33. Bard LA, Cross HE: Genetic counseling of families with Best's macular dystrophy. *Trans Am Acad Ophthal Otolaryn.* 1975;79:865-873.
34. Cross HE: The heritability of strabismus. *Am Orthop J.* 1975;25:11-17.
35. Cross HE: Population studies and the Old Order Amish. *Nature.* 1976;262:17-20.
36. Smith JW, Smalley LA, Cross HE: Arcuate corneal opacities. *Am J Med Sci.* 1977;273:197-201.
37. Cross HE, Hansen RC, Morrow G, Davis JR: Retinoblastoma in a patient with a 13qXp translocation. *Am J Ophthal.* 1977;84 (4):548-554.
38. Cross HE: The heritability of glaucoma. *Trans Pac Coast Oto-Ophthal Soc Annual Meeting.* 1977;58:89-95.
39. Stern LZ, Cross HE, Crebo AR: Abnormal iris vasculature in myotonic dystrophy. An anterior segment angiography study. *Arch Neuro.* 1978;35:224-227.
40. Nicholson DH, Green WR, Cross HE, Kenyon KR, Massof D: A clinical and histopathological study of Francois-Neetens speckled corneal dystrophy. *Am J Ophthal.* 1977;83:554-560.
41. Cross HE: Photo quiz. *Persp Ophthal.* 1979;3:45-46.
42. Cross HE, Jorgenson RJ, Levin LS, Kelly TE: The Reiger syndrome: an autosomal dominant disorder with ocular, dental and systemic abnormalities. *Persp Ophthal.* 1979;3:3-16.

43. Jorgenson RJ, Levin LS, Cross HE, Yoder F, Kelly TE: The Reiger syndrome. *Am J Med Genet.* 1978;2:(3)307-318.
44. Cross HE: Ectopia lentis et pupillae. *Am J Ophthalmol.* 1979;88:381-384.
45. Burke JM, Sipos E, Cross HE: Cell proliferation in response to vitreous hemoglobin. *Invest Ophthalmol Vis Sci.* 1981 May;20(5):575-81.
46. Yoder FE, Cross HE, Chase GA, Fine SL, Freidhoff L, Machan CH, et al. Linkage studies of Best's macular dystrophy. *Clin Genet.* 1988;34:26-30.
47. Heema Patel, Harold Cross, Christos Proukakis, Ruth Hershberger, Peer Bork, Francesca D. Ciccarelli, Michael A. Patton, Victor A. McKusick, and Andrew H. Crosby. SPG20 is mutated in Troyer Syndrome, an hereditary spastic paraplegia. *Nature Genetics* 31:347-349-8, 2002
48. Francesca D. Ciccarelli, Christos Proukakis, Heema Patel, Harold Cross, Shakil Azam, Michael A. Patton, Peer Bork, and Andrew H Crosby. The identification of a conserved domain in both spartin and spastin, mutated in hereditary spastic paraplegia. *Genomics* 81: 437-441, 2003
49. Michael A. Simpson, Harold Cross, Christos Proukakis, Anna Pryde, Ruth Hershberger, Arnaud Chatonnet, Michael A. Patton, and Andrew H. Crosby. Maspardin is mutated in Mast syndrome, a complicated form of hereditary spastic paraplegia associated with dementia. *Am. J. Hum. Genet.* 73: 1147-1156, 2003
50. Michael A. Simpson, Harold Cross, Christos Proukakis, David A. Priestman, David C. A. Nevil, Gabriele Reinkensmeier, Heng Wang, Max Wiznitzer, Kay Gurtz, Argyro Verganelaki, Anna Pryde, Michael A Patton, Raymond A. Dwek, Terry D. Butters, Frances M. Platt, and Andrew H. Crosby. : Infantile onset symptomatic epilepsy syndrome caused by a homozygous loss of function mutation in GM3 synthase. *Nature Genetics* 36: 1225-1229, 2004
51. Christos Proukakis, Harold Cross, Heema Patel, Michael A. Patton, Alan Valentine, and Andrew H. Crosby: Troyer syndrome revisited: A clinical and radiological study of a complicated hereditary spastic paraplegia. *J. Neurol.* 251: 1105-1110, 2004
52. Zahka, K., Kalidas, K., Cross, H., Keller, B.B., Galambos, G., Gurtz, K., Patton, M.A., and Crosby, A.H.: Homozygous mutation of MYBPC3 associated with severe infantile hypertrophic cardiomyopathy at high frequency amongst the Amish. *Heart.* 94: 1326-1330, 2008.
53. Cross, H.E., and Crosby, A.H. Amish contributions to medical genetics. *Mennonite Quart. Rev.* 82: 449-467, 2008.
54. Simpson, M.A., Cross, H.E., Cross, L., Helmuth, M., and Crosby, A.H.: Lethal polycystic kidney disease in Amish neonates caused by homozygous nonsense mutation of NPHP3. *Amer. J. Kidney Dis.* 53: 790-795, 2009.
55. Marmorstein, A.D., Cross, H.E., and Peachey N.S: Functional roles of bestrophins in ocular epithelia. *PRER* 28: 206-226, 2009.
56. Crosby, A.H., Patel, H., Chioza, B.A., Proukakis, C., Gurtz, K., Patton, M.A., Sharifi, R., Harlalka, G., Simpson, M.A., Kick, K., Reed, J.A., Al-Memar, A., Chrzanowska-Lightowlers, Z. M.A., Cross, H.E., and Lightowlers, R.N.: Defective Mitochondrial mRNA Maturation is Associated with Spastic Ataxia. Epub Oct 21, 2010. *Am. J. Med. Genet.* 87: 655-660, 2010.



## WEBSITES

Windows of Hope Project; Understanding Inherited Disease ([www.wohproject.org](http://www.wohproject.org)) March, 20010

Hereditary Ocular Disease; A database of inherited disease with ocular manifestations ([disorders.eyes.arizona.edu](http://disorders.eyes.arizona.edu)) January, 2011

## EDITORIALS

1. Cross HE: Genetics in neurology. *JAMA*. 1967;199:270.
2. Cross HE: Genetics for ophthalmologists. *Am J Ophthalmol*. 1971;71:767-769.
3. Cross HE: Editorial: The use and abuse of eponyms. *Am J Ophthalmol*. 1973;76:598-601.
4. Cross HE: Genetics for ophthalmologists. *Trans Am Acad Ophthalmol Otolaryn*. 1971;75:235-237.
5. Cross HE: Editorial. *Persp Ophthalmol*. 1979;3:2.
6. Cross HE: Albinism. The Collected Letters of the International Correspondence Society of Ophthalmologists and Otolaryngologists. Series XXV; 1980:33-34.

## GRANTS AND CONTRACTS

- 1969 Career Research Development Award. National Eye Institute, NIH EY 70387
- 1972 Clinicogenetic Studies in Best's Macular Dystrophy, NIH grant EY 00924
- 1971 Facial Morphology in Strabismus, NIH grant
- 1975 Endothelial Survival in Preserved Corneas, Arizona Eye Bank grant
- 1977 Ophthalmic Care of Arizona through Mobile Eye Unit, Grant from Max C. Fleishman Foundation
- 1975 Grant for Low Vision clinic, Arizona Department of Economic Security, Division of Vocational Rehabilitation
- 1975-1976 Anterior Segment Angiography in Muscular Dystrophy, Macular Dystrophy Association of America, Inc. grant
- 1976 Vitreous Scarring: Abnormality in Collagen Packing or Cross-linkage. National Eye Institute, NIH grant
- 1978 Vitreous Reactions to Injury, National Eye Institute, NIH grant

## MEDIA

Genetic Studies in the Amish. CBS 60 minutes. Featured June 8, 2005

## SCHOLARLY PRESENTATIONS

Medical Genetics Studies in the Amish. Harold E. Cross and Andrew Crosby. International Conference on "The Amish in America: New Identities and Diversities, Elizabethtown College, Elizabethtown, PA, June 7-9, 2007

Homozygous mutation of MYBPC3 associated with severe infantile hypertrophic cardiomyopathy at high frequency amongst the Amish. American Society of Human Genetics annual meeting, San Diego, October, 2007

**This is a true and accurate statement of my activities and accomplishments. I understand that misrepresentation in securing promotion and tenure may lead to dismissal or suspension under ABOR Policy 6-201 J.I.b.**

Signed \_\_\_\_\_

Rev 06-13-10