

**ALI R. DJALILIAN, M.D.**  
**Curriculum Vitae**

**PERSONAL**

Born: Rochester, Minnesota

**EDUCATION**

Fellowship:  
(research) Epithelial Cell Biology, 3/2003 – 5/2005  
Dr Julia Segre, National Human Genome Research  
Institute, NIH, Bethesda, Maryland  
Project: “The role of Connexin 26 in epithelial  
differentiation and wound healing”

Fellowship:  
(clinical) Cornea and ocular surface disorders, 7/2001- 9/2002  
Dr Edward Holland  
Cincinnati Eye Institute, Cincinnati, Ohio

Ocular Immunology and Uveitis, 7/2000 – 7/2001  
Dr Robert Nussenblatt  
National Eye Institute, Bethesda, Maryland

Residency: Department of Ophthalmology, 7/1997 – 6/2000  
University of Minnesota, Minneapolis

Fellowship:  
(pre-residency) Cornea Research Fellowship, 7/1996-6/1997  
Laboratory of Dr. Edward J. Holland  
Department of Ophthalmology  
University of Minnesota, Minneapolis

Internship: Transitional Internship. 6/1995-6/1996  
Hennepin County Medical Center  
Minneapolis, Minnesota

Medical School: University of Minnesota, 9/1991-6/1995  
Minneapolis, Minnesota  
M.D. awarded on June 10, 1995

College: Carleton College, 9/1987-6/1991  
Northfield, Minnesota  
B.A., Physics, *Summa Cum Laude*.

## **AWARDS & HONORS**

Residency:	Harry S. Friedman Resident Research Award, 1999
Medical School:	Alpha Omega Alpha, 1994 (Junior) Class of 1937 Scholarship, 1993
College:	<i>Summa Cum Laude</i> Phi Beta Kappa, 1991 Dean's List, 1987-91

## **INVITED LECTURES**

1. "Immunologic Issues in Limbal Stem Cell Transplantation". The Glaucoma Foundation Ninth Annual Think Tank on "Stem Cells and Glaucoma." July 26-27, 2002. Chicago, Illinois.
2. "Stem cell plasticity and the ocular surface". Epithelial Cell Biology: Implications for the Ocular Surface. Doheny Eye Institute. University of Southern California. October 25-26, 2002. Los Angeles, California.

## **PUBLICATIONS**

- (1) Djalilian AR, Mahesh SP, Koch CA, Nussenblatt RB, Shen D, Zhuang Z, Holland EJ, Chan CC. Survival of donor epithelial cells after limbal stem cell transplantation. *Invest Ophthalmol Vis Sci.* 2005; 46:803-7.
- (2) Djalilian AR, Schwartz GS, Holland EJ. Limbal stem cell deficiency. (letter) *Ophthalmology* 2003;110:2071
- (3) Nussenblatt RB, Thompson DJ, Li Z, Peterson JS, Robinson RR, Shames RS, Nagarajan S, Tang MT, Mailman M, Velez G, Roy C, Levy-clarke GA, Suhler ED, Djalilian AR, Sen HN, Al-Khatib S, Ursea R, Srivastava, Bamji A, Mellow S, Sran P, Waldmann TA, Buggage RB. Humanized anti-interleukin-2 (IL<sub>2</sub>) receptor alpha therapy: long-term results in uveitis patients an preliminary safety and activity data for establishing parameters for subcutaneous administration. *J Autoimmunity* 2003;21:283-93
- (4) Sen HN, Suhler EB, Al-Khatib SQ, Djalilian AR, Nussenblatt RB, Buggage RB. Mycophenolate mofetil for the treatment of scleritis. *Ophthalmology* 2003;110:1750-5.

- (5) Holland EJ, Djalilian AR, Schwartz GS. Management of aniridic keratopathy with keratolimbal allograft: a limbal stem cell transplantation technique. *Ophthalmology* 2003;110:125-30
- (6) Djalilian AR, Nussenblatt RB. Immunosuppression in Uveitis. *Ophthalmol Clin North Am* 2002; 15:395-404.
- (7) Kim YJ, Djalilian AR, Schwartz GS, Holland EJ. Ocular Surface reconstruction. *Ophthalmol Clin North Am* 2003; 16:67-77.
- (8) Djalilian AR, Cantrill HC, Samuelson TW. Intraocular Hemorrhage after Systemic Thrombolytic Therapy in a Patient with Exudative Macular Degeneration. *European Journal of Ophthalmology* 2003;13:96-8.
- (9) Djalilian HR, Tsuboi Y, Ozeki M, Tekin M, Djalilian AR, Obritsch WF, Lin J. Feline immunodeficiency virus-mediated gene therapy of middle ear mucosa cells. *Auris Nasus Larynx*. 2002 Apr;29:183-6.
- (10) Djalilian AR, Smith JA, Walsh TJ, Malech HL, Robinson MR. Keratitis caused candida glabrata in a patient with chronic granulomatous disease. *Am J Ophthalmol* 2001;132:782-83.
- (11) Cho BJ, Djalilian AR, Obritsch WF, Matteson DM, Chan CC, Holland EJ. Conjunctival epithelial cells cultured on human amniotic membrane fail to transdifferentiate into corneal epithelial-type cells. *Cornea* 199;18:216-24.
- (12) Djalilian AR, Anderson SO, Fang-Yen M, Lane SS, Holland EJ. Long-term results of transsclerally sutured posterior chamber lenses in penetrating keratoplasty. *Cornea* 1998;17:359-64.
- (13) Cho BJ, Djalilian AR, Holland EJ. Tandem scanning confocal microscopic analysis of differences between epithelial healing in limbal stem cell deficiency and normal corneal reepithelialization in rabbits. *Cornea* 1998;17:68-73.
- (14) Djalilian AR, George JE, Doughman DJ, Holland EJ. Comparison between the refractive results of combined penetrating keratoplasty/ transsclerally sutured posterior chamber lens implantation and the triple procedure. *Cornea* 1997;16:319-21.
- (15) Holland EJ, Djalilian AR, Pederson J. Gonioscopic evaluation of haptic position in transsclerally sutured posterior chamber lenses. *Am J Ophthalmol*. 1997;123:411-3

- (16) Everett EJ, Djalilian AR, Kubo SH, Kroshus TJ, Shumway SJ. Heart transplantation for patients over age 60. *Clinical Transplantation* 1996;10:478-81
- (17) Djalilian AR, Shumway SJ. Adjunctive coronary endarterectomy: improved safety in modern cardiac surgery. *Ann. Thorac Surg.* 1995; 60:1749-54.

## **BOOK CHAPTERS**

- (1) Djalilian AR, Hamrah P, Pflugfelder, S. Dry Eyes. In Cornea, 2<sup>nd</sup> Ed. Holland EJ, Krachmer JH, Mannis MJ (eds). 2004
- (2) Djalilian AR, Schwartz GS, Holland EJ. Postoperative management of limbal transplant patient. In Cornea, 2<sup>nd</sup> Ed. Holland EJ, Krachmer JH, Mannis MJ (eds). 2004
- (3) Djalilian AR, Holland EJ. Local immunosuppression in corneal transplantation. In Local Immunosuppression of Organ Transplants. S.A. Gruber (ed). Austin: R.G. Landes Complanly, 1996.
- (4) Djalilian AR, Holland EJ. Immunosuppression in high risk keratoplasty. In Corneal Surgery, F.S. Brightbill (ed), Mosby Year Book Publishers, St Louis, 3<sup>rd</sup> edition, 1999.
- (5) Djalilian AR, Nussenblatt RB, Holland EJ. Immunosuppression in the stem cell transplant patient. In Ocular Surface Diseases, Mannis MJ, and Holland EJ (eds), Springer-Verlag New York, Inc., 2001
- (6) Djalilian AR, Djalilian HR. Aging and the Eye. In: Textbook of Male Health. Lunenfeld B, Gooren L (eds). Parthenon Publishing, London. 2002
- (7) Djalilian AR, Suhler EB. Infectious Uveitis. In: Clinical Pathways in Vitreoretinal Disease, Steidl SM, Hartnett, ME (eds). Thieme Medical Publishers, Inc. New York 2003

## **ABSTRACTS**

- (1) Djalilian AR, McGaughey DM, Patel S, and J.A. Segre. Characterization of the Promoter Region of Connexin 26 and Its Regulation by Transcription Factors. *Invest. Ophthalmol. Vis. Sci.* 2005 46:Abstract 2113

- (2) Djalilian AR, Segre JA. Expression of Gap Junction Proteins in The Mouse Corneal Epithelium. *Invest. Ophthalmol. Vis. Sci.* 2004 45: E-Abstract 3769
- (3) Djalilian AR, Can bone marrow stem cells trans-differentiate into ocular surface epithelial cells? ARVO (poster). Ft Lauderdale, FL. May, 2003
- (4) Djalilian AR, Kim JY, Brilakis HS, Holland EJ. Factors affecting LASIK flap thickness with the Amadeus microkeratome (paper). ASCRS Annual Meeting. San Francisco, CA. April, 2003.
- (5) Schwartz GS, Djalilian AR, Kim JY, Holland EJ. The outcome of penetrating keratoplasty after keratolimbal allograft (paper). Castroviejo Cornea Society annual meeting. Orlando, Florida, October 2002.
- (6) Djalilian AR, Koch CA, Zhuang Z, Shen D, Nussenblatt RB, Holland EJ, Chan CC. The Use of Microsatellite Analysis to Determine the Survival of Donor Epithelial Cells After Limbal Stem Cell Transplantation (poster). *Invest Ophthalmol Vis Sci*, 2002. Abstract #2232 (ARVO)
- (7) Al-Khatib SQ, Suhler EB, Djalilian AR, Sen HN, Nussenblatt RB, Buggage RR. The Use of Mycophenolate Mofetil for the Treatment of Non-Infectious Uveitis in Children (poster). *Invest Ophthalmol Vis Sci*, 2002. Abstract #4278 (ARVO)
- (8) Suhler EB, Djalilian AR, Khoshnevisan MA, Al-Khatib SQ, Sen HN, Nussenblatt RB, Buggage RB. Efficacy of Mycophenolate Mofetil In the Treatment Of Ocular Inflammatory Disease (poster). *Invest Ophthalmol Vis Sci*, 2002. Abstract #4279 (ARVO)
- (9) Djalilian AR, Nussenblatt RB, Shen DF, Holland EJ, Chan CC. Survival of Limbal Stem Cells (paper). SIMAsp meeting. February, 2002. Sao Polo, Brazil.
- (10) Djalilian AR, Nagineni CN, Smith JA, Nussenblatt RB, Hooks JJ. Effects of dexamethasone and cyclosporin A on the production of cytokines by human corneal epithelial cells and fibroblasts (poster). *Invest Ophthalmol Vis Sci*, 2001. Abstract #3086 (ARVO)
- (11) Uttley, S.A., Lawrence, M.G., Huang, A.J.W., Dvorak, J.A., Djalilian, A.R. Methylene Blue-Associated Corneal Decompensation (Poster). American Academy of Ophthalmology. New Orleans, Louisiana. November, 2001.
- (12) Djalilian AR, Sanderson JP, Piracha AR, Holland EJ. The use of topical 0.5% loteprednol etabonate (Lotemax) in corticosteroid induced ocular hypertension following corneal transplantation (paper). Eye Bank Association of America meeting, Dallas, TX, October, 2000.

- (13) Djalilian AR, Swanson P, Bradshaw JJ, Obritsch WF, Holland EJ. Genetic transduction of corneal tissue prior to transplantation using a lentiviral vector (poster). *Invest Ophthalmol Vis Sci*, 2000. Abstract #2373 (ARVO)
- (14) Djalilian AR, Droel J, Holland EJ. Argon laser punctal occlusion in patients with contact lens intolerance due to dry eyes (poster). *CLAO 2000 meeting*, Las Vegas, Nevada, January, 2000.
- (15) Djalilian AR, Swanson P, Merten C, Schwartz GS, Holland EJ. Keratolimbic allograft for the treatment of severe limbal stem cell deficiency (paper). *Castroviejo Corneal Society Annual Meeting*, Orlando, FL, October, 1999.
- (16) Djalilian AR, Bradshaw JJ, Obritsch WF, Gregerson DS, Holland EJ. The use donor tissue from transgenic mice for the study of corneal epithelial stem cell survival (poster). *Invest Ophthalmol Vis Sci*, 1999. Abstract #1730
- (17) Holland EJ, Djalilian AR, Schwartz GS. Ocular surface reconstruction for severe limbal stem cell deficiency (paper). *Ocular Surface and Tear conference*, Miami, FL, May 1999.
- (18) Djalilian AR, Bradshaw JJ, Cho BJ, Obritsch WF, Gregerson DS, Holland EJ. Genetic transduction of limbal epithelial cells prior to keratolimbic transplantation (paper). *EBAA (Eye Bank Association of America) scientific session*, New Orleans, LA, November, 1998.
- (19) Holland EJ, Djalilian AR, Anderson JS, Schwartz GS. Keratolimbic allograft (KLAL) for the treatment of aniridic keratopathy. *Castroviejo Corneal Society Annual Meeting*, New Orleans, LA, November, 1998.
- (20) Djalilian AR, Bagheri MM, Schwartz GS, Swanson L, Krachmer JH, Holland EJ. Keratolimbic allograft (KLAL) for the treatment of limbal stem cell deficiency. *Invest Ophthalmol Vis Sci* 1998. Abstract #377
- (21) Cho BJ, Djalilian AR, Obritsch WF, Matteson DM, Chan CC, Holland EJ. Conjunctival epithelial cells cultured on amniotic membrane do not transdifferentiate into corneal epithelial type cells. *Invest Ophthalmol Vis Sci* 1998. Abstract #1991
- (22) Cho BJ, Djalilian AR, Obritsch WF, Holland EJ. Tandem scanning confocal microscopic analysis of differences in epithelial healing patterns of limbal stem cell deficiency and simple deepithelialization in rabbits. *Invest Ophthalmol Vis Sci* 1997. Abstract #2361
- (23) Djalilian AR, Aronovich EL, Bradshaw JJ, Cho BJ, Obritsch WF, Chan CC, Whitley CB, Krachmer JH, Holland EJ. Subconjunctival-limbic injection of

retrovirally transduced fibroblasts: a possible approach for gene delivery to the cornea. *Invest Ophthalmol Vis Sci* 1997. Abstract #4411

- (24) Anderson SO, Lane SS, Djalilian AR, Prebonich M, Holland EJ. Comparison of IOL suturing techniques for transsclerally sutured posterior chamber intraocular lenses with penetrating keratoplasty. Castroviejo Cornea Society Annual Meeting, Atlanta, GA, October 1995.

### **INVITED PANELIST**

1. Refractive Surgery Session. American Society of Cataract and Refractive Surgery Annual Meeting. April, 2003. San Francisco, CA

### **CERTIFICATION & LICENSURE**

USMLE Step I: June 1993, Score = 256 (99.7<sup>th</sup> percentile)  
USMLE Step II: March 1995, Score = 234 (95<sup>th</sup> percentile)  
USMLE Step III: May 1996, Score = 233 (95<sup>th</sup> percentile)

State medical licenses: Illinois

Diplomate, American Board of Ophthalmology, Oct 2001-  
(98 percentile on written exam)

VISX certified in PRK, January 2000, #9425

Alphacor, artificial cornea, certified to perform surgery, July 2002.