

MICHAEL L. KEIL, D.O.

2500 E. BELTLINE SE STE C· GRAND RAPIDS, MI 49546
PHONE (616) 365-5775· EMAIL info@keillasik.com

EDUCATION

Residency in Ophthalmology, June 2005.

Metropolitan Hospital, Grand Rapids, MI in consortium with
Michigan State University Neuro-Ophthalmology, East Lansing, MI

Traditional Internship, June 2001-June 2002.

GENESYS Regional Medical Center, Grand Blanc, MI

Doctor of Osteopathy, August 1997-May 2001.

Michigan State University College of Osteopathic Medicine, East Lansing, MI

Bachelor of Science in Biology, September 1988-June 1991.

Michigan State University, East Lansing, MI

Associate of Arts, August 1986-June 1988.

West Shore Community College, Scottville, MI

PROFESSIONAL EXPERIENCE

Keil Lasik Vision Center. Sole owner/operator. Performed over 8000 laser vision correction procedures. Performed the first corneal inlay in the State of Michigan in 2015. Grand Rapids, MI (Dec 2009-present)

Residency Director, Ophthalmology, MetroHealth Hospital, Wyoming, MI in consortium with Michigan State University (January 2012-Present)

Clinical Assistant Professor of Ophthalmology

Michigan State University Department of Neuro-Ophthalmology, East Lansing, MI. (July 2005-Present)

Clinical Assistant Professor of Ophthalmology

Ohio University Heritage College of Osteopathic Medicine, Athens, OH. (January 2013 to Present)

Clinical Adjunct Professor

Michigan College of Optometry, Ferris State University, Big Rapids, MI (2016)

Privileges at Metro Health Hospital, Grand Rapids, MI (July 2005-Present)

LasikPlus Medical Director/Surgeon (June 2006-Dec 2009)

Independent Private Practitioner Ophthalmology (July 2005-Aug 2007)

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Research Associate, University of Michigan, Department of General Surgery, VA Medical Center, Ann Arbor, MI. Human neutrophil biochemistry. Acted as Radiation Safety Officer and Lab Safety Officer. (May 1992-August 1998)

Research Assistant Plant Biology Research Laboratories, Michigan State University, Responsibilities included running experiments in the realm of plant molecular biology. (Summer 1991)

PUBLICATIONS

Nathan A. Cleaveland, DO, Derek De Mann, B.A., Michael Keil, DO, FAOCO. A Randomized, Placebo Controlled, Double-Masked, Single Center, Clinical Comparison of the Use of Bromfenac in the Management of Ocular Discomfort after Femtosecond LASIK. Manuscript submitted for publication, 2016.

Keil, M.L., Pierce, Z., Destruction of ingrown epithelium via Nd:YAG laser (DIEYAG) in post Lasik enhancement patients. Manuscript in preparation, 2016.

Rebbapragada, A., Keil, M.L., Solomon, N.L., Traynor-Kaplan, A., Omann, G.M. Lindane Stimulates Neutrophils by Selectively Activating Phospholipase C and Phosphoinositide-kinase. *Environmental Pharmacology and Toxicology*, March 2006
[doi:10.1016/j.etap.2006.03.005](https://doi.org/10.1016/j.etap.2006.03.005).

Keil, M.L., Solomon, N.L., Lodhi, I.J., Stone, K.C., Jesaitis, A.J., Chang, P.S., Linderman J.J., Omann, G.M. Priming-induced localization of G(α 2) in high density membrane microdomains. *Biochem Biophys Res Commun*. 2003 Feb 21;301(4):862-72.

Rengan, R., Ochs, H. D., Sweet, L.I., Keil, M.L. Gunning, W. T., Lachant, N. A., Boxer, L. A., Omann, G.M. Actin Cytoskeletal Function is Spared, but Apoptosis is Increased in WAS Patient Hematopoietic Cells. *Blood* 2000; 95:1283-1292.

Hoffman, J.F., Keil, M.L., Riccobene, T.A., Omann, G.M., Linderman, J.J. Intercverting Receptor States at 4 C for the Neutrophil N-Formyl Peptide Receptor. *Biochemistry* 1996; 35: 13047-13055.

Model, M.A., Omann, G.M. Desensitization of the Actin Polymerization Response in Human Neutrophils at Low Cell Density. *J. Leukocyte Biology* September 1995, Volume 58(3), Pages 331-41.

Model, M.A., Omann, G.M. Cell polarization as a possible mechanism of response termination. *Biochem Biophys Res Commun* July 1996, Volume 224(2), Pages 516-21.

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Model, M.A., Omann, G.M Experimental approaches for observing homologous desensitization and their pitfalls. Pharmacology Research July 1998, Volume 38(1), Pages 41-4.

Lerner, D.R., Raikhel, N.V. Expression and regulation of lectin genes in cereals and rice. Dev. Genetics December 1991, Volume 12(4), Pages 255-60.

Lerner, D.R., Raikhel, N.V. The gene for stinging nettle lectin (*Urtica dioica* agglutinin) encodes both a lectin and a chitinase J. Biol. Chem. November 1992, Volume 267(16), Pages 11085-91.

PROFESSIONAL MEMBERSHIPS

American Osteopathic College of Ophthalmology

American Academy of Ophthalmology

American Osteopathic Association

American Society of Cataract and Refractive Surgeons

Sigma Sigma Phi National Osteopathic Honor Society

AWARDS AND ACTIVITIES

First surgeon in the State of Michigan to become certified in and perform the Kamra™ inlay procedure to treat presbyopia 2015.

Special Olympics Holiday Sponsor 2009

Cub Scout Committee Chairman, Chartered Org. Head Den Leader 2008-Present

Medical mission to Nicaragua associated with Partners in Health. Performed cataract surgery and eye exams for the underserved.

Puerto Cabezas, Nicaragua, February 2005

Poster award for "Myopic degeneration in a patient with glaucoma", Metropolitan Hospital 2004

U Matter Award, Fall 1997 (Outstanding performance as an employee of the University of Michigan)

Outstanding Achievement Award, VA Medical Center 1993 and 1994

Anatomy Tutor Fall 1998

Special Olympics Volunteer 1998

Bone Marrow Program Volunteer 1998 and 1999

Big Brother Big Sisters Volunteer 1992-1997

Deans List, M.S.U., Winter term 1989

Eagle Scout 1985

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LASIK CERTIFICATIONS

Nidek NAVEX Quest EC-5000 Topography Guided Excimer Laser

Alegretto Wavelight Eye Q Wavefront Optimized Excimer Laser

Ziemer Z4 Femtosecond Laser

Ziemer Femto LDV Femtosecond Laser

VISX Star S4 IR Excimer Laser

AMO Intralase Femtosecond Laser

Bausch & Lomb Technolas 217z Excimer Laser

Bausch & Lomb Hansatome

Alcon Ladarwave Excimer Laser

PRESBYOPIA CERTIFICATIONS

Acufocus Kamra™ Corneal Inlay