



Thomas B. Barnes, Certificate, M.S., O.D.

Clinical Interests	Thomas Barnes' research interests involve high-resolution imaging of the retina, postsurgical aberrations of the eye's optics, and optic atrophy in glaucoma. Clinical interests include dry eye, ocular rosacea, allergic conjunctivitis, diabetic retinal screening and Plaquenil screening. Barnes is a lecturer in optics, refraction and contact lenses.
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Professional Memberships	American Academy of Optometry Association for Research in Vision and Ophthalmology California Academy of Optometry International Society for Imaging in the Eye Optical Society of America Tear Film and Ocular Surface Society
Select Recent Publications	Awwal A, Baumann B, Gravel D, Olivier S, Jones S, Silva D, Hardy JL, Barnes T, Werner JS. (2003) Characterization and operation of a liquid crystal adaptive optics phoropter. <i>Proceedings of SPIE, R. Tyson, & M. Loyd-Hart (Eds.) Astronomical Adaptive Optics Systems and Applications</i> . Vol. 5169, 104-122.



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Wilks, S.C., Thompson, C.A., Olivier, S.S., Bauman, B.J., Flath, L., Silva, D., Sawvel, R., Barnes, T., Werner, J. (2001) A test-bed for vision science based on adaptive optics. *Proceedings of SPIE*. R.K. Tyson, D. Bonaccini & M.C. Roggemann (Eds.) *Adaptive Optics Systems and Technology II*. (Vol. 4494), pp. 349-356.

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