



## Research Interests and Goals

### Keywords:

Retinal diseases, such as AMD, retinitis pigmentosa, and diabetic retinopathy

We will identify the impact of lipids on these diseases with the use of animal models and to describe underlying mechanisms. This information will then be translated from “the bench” to the patient’s “bedside”.

### Awards/Prizes

2001-2007: The Outstanding Young Medical Experts award , Nantong, China  
2002-2006: The Development of Sciences & Technology Prize, Nantong, China  
2006: The Development of Sciences & Technology Prize, Jiangsu Province, China  
2002: The Outstanding Young Professionals award, Jiangsu Province, China  
2001-2006: The Achievements in Sciences & Technology Prize, Nantong, China

### Major Professional Societies/Committees

Member, Association for Research in Vision and Ophthalmology  
Vice-chairman of Ophthalmological Committee of Nantong City (2003-2008)  
Member of Standing Committee, Ophthalmological Society of Jiangsu Province (2001-2008)

### Key Recent Papers

T ZHOU , H FAN and **Y ZHOU**. Power setting of transpupillary thermotherapy for patients with choroidal neovascularization. *Academic Report of Nantong Medical School*, (2008) 2:101-103

**Y ZHOU**, T ZHOU and H FAN. Transpupillary thermotherapy for choroidal neovascularization in patients with age-related macular degeneration. *International Journal of Ophthalmology*. (2006)5:961-963

**Y ZHOU**, M YAN and J ZHANG. The response of bFGF、FGFR1、Bcl-2 and caspase3 to visible light in cultured human retinal pigment epithelium cells. *Chin J Ophthalmol*, (2003) 39:655-659

**Y ZHOU**, M YAN and J ZHANG. The effect of DEVD-CHO and YVAD-cmK on apoptosis induced by visible light on cultured human RPE cells. *Chin Ophthal Res*, (2003) 21:344-346

**Y ZHOU**, M YAN and J ZHANG. The effect of visible light on apoptosis of cultured human retinal pigment epithelium cells. *Chin J Ocul Fundus Dis*, (2002) 18:227-230

J LIU, H JING, W ZHANG, **Y ZHOU**, S LIAO, L YANG and Q HUANG .The relation between polymorphsim in the gene for angiotensin converting enzyme and diabetic retinopathy. *Chin J Ocul Fundus Dis*, (1999)15:37-38

### Funding

“The Program for Mentoring in Sciences & Technology (Ophthalmology)”

Director of the Program: Yongdong Zhou, MD, Ph.D.

Agency: Bureau of Science and Technology of Nantong city, Nantong, China

Period: 09/30/2001-09/30/2007

“The study on treatment of age related macular degeneration”

Principle Investigator: Yongdong Zhou, MD, Ph.D.

Agency: Bureau of Science and Technology of Jiangsu Province, China. (No. S2004)

Period: 10/30/2001-10/30/2004

“The study on transplanting BDNF gene transfected RPE under the retina of RP mouse.”  
Principle Investigator: Yongdong Zhou, MD, Ph.D.  
Agency: Bureau of Science and Technology of Nantong city, Jiangsu, China (No. 04017)  
Period: 09/30/2005-09/30/2007