

BIOGRAPHICAL SKETCH

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NAME Chen, Danyang, M.D., Ph.D.		POSITION TITLE Senior Scientist of Research Division	
eRA COMMONS USER NAME dch2006			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Jiangxi Medical College, China	M.D.	1984	Medicine
Sun Yat-sen University of Medical Sciences, China	M.S.	1990	Medicine
Sun Yat-sen University of Medical Sciences, China	Ph.D.	1996	medicine
Northwestern University, Chicago	Postdoctoral Fellow	1998-2003	Cell and Molecular Biology

A. Positions and Honors.

Positions and Employment

1984-1987 **Teaching Assistant**, Department of Pathology, Jiangxi Medical College, Nanchang, China
1990-1997 **Teaching Assistant, Research Associate, Associate Professor**, Cancer Institute, World Health Organization (WHO) Collaborating Center for Research on Cancer, Sun Yat-sen University of Medical Sciences, Guangzhou, China
1997-1998 **Visiting Scholar**, Department of Pathology, The Feinberg School of Medicine, Northwestern University, Chicago
1998-2003 **Postdoctoral Fellow**, Department of Cell and Molecular Biology, The Feinberg School of Medicine, Northwestern University, Chicago
2003-2006 **Research Assistant Professor**, Department of Cell and Molecular Biology, The Feinberg School of Medicine, Northwestern University, Chicago
2006- **Senior Scientist**, Charlesson, LLP, Oklahoma City

Other Experience and Professional Memberships

1993-1998 **Deputy Director, Director**, Department of Tumor Pathology, Cancer Institute, WHO Collaborating Center for Research on Cancer, Sun Yat-sen University of Medical Sciences, China
Director Assistant for Research, Cancer Institute, WHO Collaborating Center for Research on Cancer, Sun Yat-sen University of Medical Sciences, China
Director, Animal Laboratory, Cancer Center, WHO Collaborating Center for Research on Cancer, Sun Yat-sen University of Medical Sciences, China
Deputy Director, Department of Animal Experiment, Sun Yat-sen University of Medical Sciences, China
2001- **Member**, The American Society for Cell Biology, USA
1994- **Member**, Chinese Association for Anti-cancer, China

Honors

1990 Award for Scientific and Technical Advance, Science and Technology Committee of Guangdong Province, China
1991 Award for Outstanding Research Paper at the Fifth Young and Middle-aged Academic Forum, Sun Yat-sen University of Medical Sciences, China
1991 Outstanding Faculty/Staff, Cancer Center of Sun Yat-sen University of Medical Sciences, China

- 1993 Award for Scientific and Technical Advance in Medicine and Health, Hall of Health and Higher Education Bureau, Guangdong Province, China
- 1993 Award for Scientific and Technological Achievements, Sun Yat-sen University of Medical Sciences, China
- 1993 Award for Scientific and Technical Advance, Ministry of Health, China
- 1994 Young and Middle-aged Key Member of the Academy, Sun Yat-sen University of Medical Sciences, China
- 1995 Outstanding Faculty/Staff, Cancer Center of Sun Yat-sen University of Medical Sciences, China
- 1996 Outstanding Faculty/Staff, Cancer Center of Sun Yat-sen University of Medical Sciences, China
- 1997 Outstanding Faculty/Staff, Sun Yat-sen University of Medical Sciences, China
- 1997 Scholarship, The funds of China Medicine Board, New York, USA

B. Selected peer-reviewed publications (in chronological order).

1. **Chen, D.** and H. Cai. Immunohistochemical studies on O⁶-methylguanine in the DNA of rats induced by N-nitrosodimethylamine. *Chinese Journal of Cancer* 1991; 10:308-311
2. Cai, H., L. Wei, Y. Ye, **D. Chen**, S. Lu, and W. He. Establishment of four human and rat esophageal carcinoma xenograft models in nude mice and their biological properties. *Chinese Journal of Cancer* 1992; 11:1-5
3. **Chen, D.** and H. Cai. Quantitative study on the formation of DNA O⁶-methylguanine in the hepatic tissue of rats induced by N-nitrosodimethylamine. *Chinese Journal of Cancer* 1993; 12:20-22
4. Cai, H., L. Wei, Y. Ye, **D. Chen**, E. Zheng, Q. Zhong, S. Lu, and W. He. Establishment and application of transplantable model of human esophageal carcinoma in nude mice. *Chinese Journal of Oncology* 1993; 15:248-251
5. **Chen, D.**, and R. Yan. Nitroso compounds and activation of oncogenes. *Foreign Medical Sciences: Cancer Section*. 1994; 21(supply): 3-5
6. **Chen, D.**, R. Yan, Y. Ye, L. Wang, Q. Feng, and X. Zhou. Effect of compensatory hepatocyte proliferative on the carcinogenesis of N-nitrosodimethylamine. *Chinese Journal of Cancer* 1997; 16(supply):96-96
7. **Chen, D.**, R. Yan, G. Feng, Y. Ye, and X. Zhou. Expression of labeled enzyme and insulin-like growth factor-II during the early stage of hepatocarcinogenesis. *Chinese Journal of Cancer* 1997; 16(supply): 28-29
8. Ye, Y., **D. Chen**, L. Wang and J. Chen. Study on combined chemotherapy in human esophageal carcinoma xenografted in nude mice. *Guangzhou Medicine* 1998; 29:60-62
9. **Chen, D.**, R. Yan, G. Feng, Y. Ye, and L. Wang. Effect of N-nitrosodimethylamine and partial hepatectomy on DNA synthesis in the liver of rats. *Chinese Journal of Cancer* 1998; 17:7-9
10. Ye, Y., **D. Chen**, H. Cai, E. Zhang and Q. Zhong. The morphological observation of experimental treatment of combination of hematoporphyrin derivative (HPD) and X-ray irradiation in human esophageal carcinoma xenografted in nude mice. *Chinese Journal of Cancer* 1998; 17:385-386
11. **Chen, D.**, R. Yan, Y. Ye, L. Wang, G. Feng, and X. Zhou. Influence of compensatory hepatocyte proliferative on the carcinogenesis of N-nitrosodimethylamine. *Chinese Journal of Pathology* 1998; 27:105-108
12. Dousset, T., C. Wang, C. Verheggen, **D. Chen**, D. Hernandez-Verdun, and S. Huang. Initiation of nucleolar assembly is independent of RNA polymerase I transcription. *Mol. Biol. Cell* 2000; 11:2705-2717
13. **Chen, D.** and S. Huang. Nucleolar components involved in ribosome biogenesis cycle between the nucleolus and nucleoplasm in interphase cells. *J. Cell Biol* 2001; 153:169-176
14. **Chen, D.**, C. S. Hinkley, R. W. Henry, and S. Huang. TBP dynamics in living human cells: constitutive association of TBP with mitotic chromosomes. *Mol. Biol. Cell* 2002; 13:276-284
15. **Chen, D.**, A. S. Belmont and S. Huang. Upstream binding factor association induces large-scale chromatin decondensation. *PNAS* 2004, **101**: 15106-15111
16. **Chen, D.**, M. Dunder, C., Wang, A., Leung, A., Lamond, T. Misteli and S. Huang. 2005. Condensed Mitotic Chromatin Is Accessible to Transcription Factors and Chromatin Structural Proteins. *J. Cell Biol.* 168:41-54
17. Huang, S., L. I. Rothblum and **D. Chen**. 2006. Ribosomal chromatin organization. *Biochem. Cell Biol.* 84:444-449

18. Kopp, K., J. Z. Gasiorowski, **D. Chen**, R. Gilmore, J. T. Norton, C. Wang, D. J. Leary, E. K. L. Chan, D. A. Dean and S. Huang. 2006. Pol I transcription and pre-Rrna processing are coordinated in a transcription dependent manner in mammalian cells. ***Mol. Biol. Cell.*** In press.

C. Research Support

Ongoing Research Support

Phase I SBIR 1R43EY018270-01 (PI) Pending

Novel Combretastatin A4 Analogs for Treatment of Retinal Neovascularization

This Phase I project will serve as a proof-of-concept study to determine the effect of novel Combretastatin A4 analogs on retinal neovascularization. The overall goal of the project is to develop more potent and specific drugs to treat diabetic retinopathy.

Completed Research Support

None