

# Jaeyoung Yoon, MD, PhD

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**Education:** MD/PhD St. Louis University School of Medicine  
St. Louis, MO  
PhD: Pharmacological/Physiological Sciences  
July, 1991-May, 1998

BA Princeton University  
Princeton, NJ  
Major: Molecular Biology  
August, 1985-June, 1989

**Positions Held:** June, 2004-September 2006, Assistant Professor, Department of Dermatology,  
University of Missouri, Columbia, MO

July, 2003-May, 2004, Assistant Professor, Department of Dermatology, Mayo  
Clinic, Rochester, MN

July, 2002- June, 2003, Dermatologic Surgery Fellow, Department of  
Dermatology, Mayo Clinic, Rochester, MN

July, 2001-June, 2002, Chief Resident, Division of Dermatology, Washington  
University School of Medicine, St. Louis, MO

July, 1999-June, 2001, Resident, Division of Dermatology, Washington  
University School of Medicine, St. Louis, MO

July, 1998-June, 1999, Intern, Department of Internal Medicine, St. Louis  
University Health Sciences Center, St. Louis, MO

1989-1991, Research Assistant, Dr. David Schlessinger, Department of  
Molecular Microbiology, Washington University School of Medicine,  
St. Louis, MO; This laboratory was associated with the Human Genome  
Project, specifically its focus was in mapping and sequencing the Xq24-Xqter  
of the X chromosome and analyzing genes within this region.

## Achievements:

Fellowship: Mohs College Fellowship, June, 2003

Board Certification: American Board of Dermatology, November, 2002

Residency: Selected Participant, Society of Investigative Dermatology Resident Retreat for  
Future Physician Scientists, Warrenton, VA, June, 2001

Med School: Passed, USMLE Step I (Sept, 1993), Step II (March, 1998), Step III (1999)

Grad School: NIH Predoctoral Training Grant, 1993-1994

Honors, Departmental Preliminary Exam (written and oral defense of mock  
NIH grant): "The role of telomerase in cellular immortalization"

Undergrad: *Cum Laude* graduate, Molecular Biology  
Honors, Senior Undergraduate Laboratory Research Thesis

**Extracurricular  
Activities:**

President/Head Instructor, Chang's Martial Arts, 3<sup>rd</sup> Ed., Inc., 1990-1993;  
Took over the management of the family business during this period for my  
father who instructed Taekwon Do and Judo in the St. Louis area since  
1972.

Taekwon Do, 4<sup>th</sup> degree black belt, World Taekwon Do Federation

Judo, 4<sup>th</sup> degree black belt, Korean Judo Association

Ivy League Championships, Gold Medallist, Tournament Spirit Award,  
1988, Cornell University, Ithaca, NY

Canadian International Open Judo Championships, 1988,  
Toronto, Canada, 71 Kg weight division

East Coast College Championships, Silver Medallist, 1987,  
New Jersey Institute of Technology, Newark, NJ

United States International Open Judo Championships, 1984,  
Olympic Training Center, Colorado Springs, CO, 71 kg weight  
division

**Personal:** Date of Birth: 2-19-67  
Place of Birth: Taegu, South Korea  
Immigrated to St. Louis, MO in 1972  
U.S. Citizen

**Research Thesis:** 1988-1989, Senior Undergraduate Research Thesis: "The Role of  
Splicing in Adeno-associated Virus Replication and Capsid Protein  
Synthesis", Advisor Dr. Tom Shenk, Howard Hughes Professor,  
Professor of Molecular Biology, Princeton University, Princeton, NJ

**Research  
Dissertation:** 1993-1996, PhD Dissertation: "The Roles of Prohormone Convertase 1 (PC1)  
and Prohormone Convertase 2 (PC2) in Pro Cholecystokinin Processing",  
Mentor Dr. Margery Beinfeld, Professor, Dept. of Pharmacological  
and Physiological Sciences, St. Louis University School of Medicine,  
St. Louis, MO; As of 1996 her academic appointment is with the  
Department of Pharmacology and Experimental Therapeutics at Tufts  
University Health Sciences Center, Boston, MA

**Presentations:** November, 2005, "Mohs micrographic surgery", Ophthalmology Grand Rounds,  
University of Missouri, Columbia, MO

April, 2005, "Skin cancer in the elderly", Midwest Regional Oncology Seminar,  
Sponsored by Ellis Fischel, Lake of the Ozarks, MO

March, 2005, "Mohs micrographic surgery", ENT Grand Rounds, University of Missouri, Columbia, MO

February, 2005, "Advances in phlebology in Dermatology", American Academy of Dermatology Annual Meeting, New Orleans, LA

February, 2005, "Management of aggressive squamous cell carcinomas", American Academy of Dermatology Annual Meeting, New Orleans, LA

October, 2003, "An argument for additional margins after Mohs micrographic surgery for aggressive squamous cell carcinomas", Combined ASDS-ACMMSCO Annual Meeting, New Orleans, LA

September, 2003, "An update on phlebology in dermatology", MN Dermatology (O'Leary) Conference, Rochester, MN

July, 2003, "Skin cancer in organ transplant patients", Transplant Medicine Annual Regional Meeting, Grand Rapids, MN

October, 2002, "Full thickness skin graft repair using redundant submental skin as donor", Combined ASDS-ACMMSCO Annual Meeting, Chicago, IL

September, 2002, "Transposition island pedicle flap repair", MN Dermatology (O'Leary) Conference, Rochester, MN

October, 2001, "Treatment of angiosarcoma using Mohs micrographic surgery", Combined ASDS-ACMMSCO Annual Meeting, Dallas, TX

## **Publications:**

### *Peer Reviewed Articles:*

J. Yoon, D. Santa Cruz, R. Sengelmann (2001) Enlarging red plaque on the nose of an elderly woman (angiosarcoma). *Archives of Dermatology* **138**: 831-836.

R. Nagaraja, C. Jermak, M. Trusgnich, J. Yoon, S. MacMillan, B. McCauley, B. Brownstein and D. Schlessinger (1988) YAC/STS map of 15 Mb of Xp21.3-p11.3, at 100 kb resolution, with refined comparisons of genetic distances and DMD structure. *Gene* **215**: 259-267.

R. Mazarella, G. Pengue, J. Yoon, J. Jones, D. Schlessinger (1997) Differential expression and CCG repeats in the 5' untranslated region of the XAP-5 gene. *Genomics* **45**: 216-219.

J. Yoon and M.C. Beinfeld (1997) Prohormone convertase 2 is necessary for the formation of cholecystokinin-22, but not cholecystokinin-8, in Rin5F and STC-1 cells. *Endocrinology* **138**: 3620-3623.

J. Yoon and M.C. Beinfeld (1997) Prohormone convertase 1 is necessary for the formation of cholecystokinin 8 in Rin5F and STC-1 cells. *Journal of Biological Chemistry* **14**: 9450-9456.

J. Yoon and M.C. Beinfeld (1995) Expression of antisense PC1 in stably transfected Rin5F cells significantly reduces CCK 8 biosynthesis. *Regulatory Peptides* **59**: 221-227.

J. Yoon and M.C. Beinfeld (1994) A murine intestinal endocrine tumor cell line, STC-1, expresses CCK, PC1 and PC2 mRNA, processes pro CCK to CCK 8 and displays cAMP regulated release. *Endocrine* **2**: 973-977.

V. Montanaro, A. Casamassimi, M. D'Urso, J. Yoon, W. Freije, D. Schlessinger, M. Muenke, R.L. Nussbaum, et. al. (1991) *In situ* hybridization to cytogenetic bands of yeast artificial chromosomes covering 50% of human Xq24-Xq28 DNA. *American Journal of Human Genetics* **48**: 183-194.

*Article in Progress:*

J. Yoon and R.K. Roenigk (2005) The cure rate for atypical fibroxanthoma using Mohs micrographic surgery: a Mayo Clinic experience. Manuscript in progress.

*Book Review:*

J. Yoon and M.C. Beinfeld (1994) The use of inhibition of endoprotease expression by antisense in the study of prohormone processing – some thoughts and initial observations. *Neuroprotocols: a companion to methods in neurosciences* **5**: 169-171.

*Review Articles:*

M. Swann and J. Yoon. (2005) Merkel Cell Carcinoma. For *Seminars in Oncology*. Manuscript submitted and accepted.

D. Schlessinger, R.D. Little, W. Freije, F. Abidi, I. Zucchi, G. Porta, G. Pilia, R. Nagaraja, S.K. Johnson, J. Yoon, et. al. (1991) Yeast Artificial chromosome based mapping: some lessons from Xq24-q28. *Genomics* **11**: 783-793.

*Book Chapters*

T.H. Nguyen and J. Yoon. (2003) Squamous Cell Carcinoma. In *Cancer of the Skin*. Section editor, L. Dzubow. Elsevier Sciences. London, UK.

J. Yoon and R.K. Roenigk (2003) Skin Cancer Prevention. In *Clinical Preventive Medicine, 2nd Ed.* Section editor, D. Hensrud. American Medical Association. Chicago, IL.

R.K. Roenigk, J. Yoon, H.H. Roenigk. (2003) Superficial and Medium Depth Chemical Peels. In *Baran & Maiback: Textbook of Cosmetic Dermatology, 3rd Ed.* Martin Dunitz Limited. London, UK. Manuscript submitted.

*Abstracts:*

J. Yoon, M.A. Hurt, J.E. Petersen (2002) Surgical treatment of cutaneous mucinous adenocarcinoma. *ASDS-ACMMSCO Combined Annual Meeting*. Presented in Chicago, IL.

J. Yoon and M.C. Beinfeld (1995) Expression of antisense PC1 in STC-1 cells inhibits the formation of CCK 8, and the expression of antisense PC2 in STC-1 cells inhibits the formation of CCK 22. *Society of Neuroscience Abstracts*. Presented in San Diego, CA, Society for Neurosciences Annual Meeting.

J. Yoon and M.C. Beinfeld (1994) Expression of antisense PC1 or PC2 in stably transfected Rin5F cells significantly reduces cellular content and secretion of CCK 8. *Society of Neurosciences Abstracts*. **P15**: 631.9. Presented in Miami, FL, Society for Neurosciences Annual Meeting.

D. Schlessinger, R.D. Little, F. Abidi, G. Porta, I. Zucchi, J. Yoon, S. Johnson, W. Freije, V. Montanaro and M. D'Urso (1991) Yeast artificial chromosome based mapping of the human X chromosome. Cold Spring Harbor Laboratory, Genome Mapping and Sequencing Conference.

M. D'Urso, V. Montanaro, G. della Valle, A. Cassamassimi, G. Porta, J. Yoon, W. Freije, and D. Schlessinger (1991) Distribution of Xq24-Xqter YAC's assessed by in situ hybridization and confirmatory techniques. Cold Spring Harbor Laboratory, Genome Mapping and Sequencing Conference.

G. Porta, P. Green, I. Zucchi, J. Yoon, W. Freije, L. Weigelt and D. Schlessinger (1991) Use of repetitive sequence based fingerprinting and YAC x YAC hybridization to assemble and verify contigs of YAC's from Xq24-Xqter. Cold Spring Harbor Laboratory, Genome Mapping and Sequencing Conference.

G. Porta, P. Green, I. Zucchi, J. Yoon, W. Freije, L. Weigelt and D. Schlessinger (1991) Use of repetitive sequence based fingerprinting to assemble YAC contigs from Xq24-Xqter. Cold Spring Harbor Laboratory, Genome Mapping and Sequencing Conference.

*Internet Reports:*

A. Klenk, J. Yoon, A. Lind, P. Kwok, A. Eisen. Leukemia Cutis. Case of the Month. January, 2002. Dermatology at Washington University School of Medicine Home Site @ [www.dermatology.wustl.edu](http://www.dermatology.wustl.edu).

H. Kim, J. Yoon, K. Forsman, A. Eisen. Cutaneous Crohn's Disease. Case of the Month. January, 2001. Dermatology at Washington University School of Medicine Home Site @ [www.dermatology.wustl.edu](http://www.dermatology.wustl.edu).

J. Yoon, S. Mallory, A. Eisen. Netherton Syndrome. Case of the Month. January, 2000. Dermatology at Washington University School of Medicine Home Site @ [www.dermatology.wustl.edu](http://www.dermatology.wustl.edu).