

# Lina I. Yoo

## CURRICULUM VITAE

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### **Education:**

- Washington University in St. Louis, September 1994-August 2000  
Immunology program, Ph.D.
- Duke University, September 1990-May 1994  
B.S. in Biology, GPA: 3.75, Magna cum laude

### **Honors:**

- Honorable mention, poster contest, Department of Cell Biology/Harvard Medical School annual retreat 2005
- American Cancer Society Postdoctoral Fellow 2001-2004
- National Science Foundation Graduate Fellowship, Honorable Mention 1995
- Carolinas-Ohio Science Education Network (COSEN) Scholar 1993
- Golden Key Honor Society 1993
- Phi Eta Sigma Honor Society 1991
- Dean's List with Distinction 1991, 1992, 1994

### **Teaching Experience:**

- Fall 2017-present. Data Analytics Affiliate Faculty at Denison University. Developed and taught Data Analytics Elective/upper level Biology course with a laboratory.
- June 2012-present. Associate Professor of Biology at Denison University. Molecular Biology and Unicellular Life (Biol210) course added to offerings.
- August 2005-May 2012. Assistant Professor of Biology at Denison University. Developed and taught original biology courses with laboratories: Advanced/Eukaryotic Cell Biology (Biol345), Immunology (Biol341), Cell & Molecular Biology (Biol201), and Introduction to the Science of Biology (Biol150).
- June 2006. Participant in Cell Biology For Life Workshop/Chautauqua Short Course for Faculty, Stony Brook, NY
- October 2004-May 2005. Course tutor for General Biology course and Microbiology course at Simmons College, Boston, MA. Course master: Connie Chow.

- June 1999-May 2005. Supervisor/trainer for four undergraduates/recent college graduates in laboratory work.
- January 1996-May 1996. Teaching assistant for Introduction to Biology course (Physiology) at Washington University in St. Louis. Course master: Paul Stein.

### **Research Experience:**

- August 2016-present. Associate Professor of Biology, Denison University. Project: Identification of Novel Tumor Suppressor Genes using The Cancer Genome Atlas (TCGA) datasets.
- August 2005-May 2014. Assistant/Associate Professor of Biology, Denison University. Project: Cell signaling in the PI3K/PTEN pathway.
- October 2000-July 2005. Postdoctoral fellow in laboratory of Dr. Junying Yuan, Professor of Cell Biology, Harvard Medical School. Project: Characterization of mouse conditionally deficient for the tumor suppressor Pten in urogenital epithelium.
- September 1995-August 2000. Predoctoral fellow in laboratory of Dr. Samuel Speck, Professor of Pathology and Molecular Microbiology, Washington University in St. Louis. Dissertation: "Epstein Barr Nuclear Antigen Transcription in Lymphoblastoid Cell Lines."
- January 1993-May 1994. Undergraduate independent study in laboratory of Dr. William Kane, Assistant Professor of Pathology and Medicine, Duke University. Thesis titled: "Glycosylation in C2 Domain of Factor Va Light Chain."
- June 1993-August 1993. Carolinas-Ohio Science Education Network (COSEN) scholar research in laboratory of Dr William Morgan, Professor of Biology, College of Wooster. Project: characterization of *kin-16*, a *C. elegans* gene encoding a putative tyrosine kinase.

### **Publications:**

#### **Refereed Articles**

- Yohn, N.L., Bingaman, C., DuMont, A.L., and **L.I. Yoo**. (2011) Phosphatidylinositol 3'kinase, mTOR, and Glycogen synthase kinase-3B mediated regulation of p21 in human bladder carcinoma cells. *BMC Urology* **11**:19. (24 August 2011)
- **Yoo, L.I.**, D.W. Liu, S. Le Vu, R.T. Bronson, H. Wu, and J. Yuan. 2006. Pten deficiency activates distinct downstream signaling pathways in a tissue-specific manner. *Cancer Res.* **66**:1929-1939.

- Elliott, J., E.B. Goodhew, L.T. Krug, N. Rafael, **L. Yoo**, and S.H. Speck. 2004. Variable methylation of the Epstein-Barr virus Wp EBNA gene promoter in B lymphoblastoid cell lines. *J. Virol.* **78**:14062-5.
- **Yoo, L.I.**, J. Woloszynek, S. Templeton, and S.H. Speck. 2002. Deletion of Epstein-Barr virus regulatory sequences upstream of the EBNA gene promoter Wp1 is unfavorable for B-Cell immortalization. *J. Virol.* **76**:11763-11769.
- **Yoo, L.I.**, D.C. Chung, and J. Yuan. 2002. LKB1—a master tumour suppressor of the small intestine and beyond. *Nat. Rev. Cancer* **2**:529-535.
- **Yoo, L.** and S.H. Speck. 2000. Determining the role of the Epstein-Barr virus Cp EBNA2-dependent enhancer during the establishment of latency by using mutant and wild-type viruses recovered from cottontop marmoset lymphoblastoid cell lines. *J. Virol.* **74**:11115-11120.
- Kung, C., J.T. Pingel, M. Heikinheimo, T. Klemola, K. Varkila, **L.I. Yoo**, K. Vuopala, M. Poyhonen, M. Uhari, M. Rogers, S.H. Speck, T. Chatila, and M.L. Thomas. 2000. Mutations in the tyrosine phosphatase CD45 gene in a child with severe combined immunodeficiency disease. *Nature Medicine* **6**:343-345.
- Kim, S.W., T.L. Ortel, M.A. Quinn-Allen, **L. Yoo**, L. Worfolk, X. Zhai, B.R. Lentz, and W.H. Kane. 1999. Partial glycosylation of asparagines-2181 of the second C-type domain of human factor V modulates assembly of the prothrombinase complex. *Biochemistry* **38**:11448-11454.
- **Yoo, L.I.**, M. Mooney, M.T. Puglielli, and S.H. Speck. 1997. B-cell lines immortalized with an Epstein-Barr virus mutant lacking the Cp EBNA2 enhancer are biased toward utilization of the oriP-proximal EBNA gene promoter Wp1. *J. Virol.* **71**:9134-9142.
- Weck, K.E., M.L. Barkon, **L.I. Yoo**, S.H. Speck, and H.W. Virgin IV. 1996. Mature B cells are required for acute splenic infection, but not for establishment of latency, by murine gammaherpesvirus 68. *J. Virol.* **70**:6775-6780.

### **Other Publications**

- Gozani, O., M. Boyce, **L. Yoo**, P. Karuman, J. Yuan. 2002. Life and death in paradise. *Nat Cell Biol.* **4**:E159-62.
- **Yoo, L.I.** and S.H. Speck. 2000. Regulation of EBNA gene expression. *EBV Report* **7**:175-185.

### **Presentations:**

- Shi, X and **Yoo, L.I. (2018)**. Investigation of PKHD1L1's localization and potential function as a tumor suppressor gene. Annual meeting of the American Society for Biochemistry and Molecular Biology. San Diego, CA (poster)
  
- Staley, V, R. Warwar, H.J. Yoo, and **Yoo, L.I. (2013)**. Microarray analysis of urothelial carcinoma genes affected by PI3K activation. Annual meeting of the American Society for Cell Biology. New Orleans, LA (poster)
  
- Yoo, L.I.** (2013) Signaling in cancer development: stop or go? Ohio Wesleyan University Science Lecture Series, Delaware, OH (invited talk)
  
- Yoo, L.I.** (2012) PTEN/PI3-kinase signaling and bladder cancer. Southern Illinois University School of Pharmacy Seminar Series, Edwardsville, IL (invited talk)
  
- Yohn, N., C. Bingaman, A. DuMont, and **L.I. Yoo** (2011). PI3-kinase and Gsk-3 $\beta$  mediated regulation of p21 in human urothelial carcinoma cells. Annual meeting of the American Society for Cell Biology. Denver, CO (poster)
  
- Yohn, N., A. DuMont, and **L.I. Yoo** (2010). PI3-kinase and GSK-3B mediated regulation of p21 in human bladder carcinoma cells. Annual meeting of the American Society for Cell Biology. Philadelphia, PA (poster)
  
- **Yoo, L.I.** (2010). Regulation of p21 in bladder cells. John Carroll University Chemistry Seminar series. University Heights, OH. (invited talk)
  
- Yohn, N., A. DuMont, and **L.I. Yoo** (2009). PI-3 kinase and Gsk-3B mediated regulation of p21 in human bladder carcinoma cells. Signaling in Cancer Meeting at the Case Comprehensive Cancer Center. Cleveland, OH (poster)
  
- Yohn, N., A. DuMont, and **L.I. Yoo**(2008) PI3-kinase mediated regulation of p21 in human bladder UMUC-3 cells. American Association for Cancer Research Special Conference: Target the PI3-kinase pathway in Cancer. Cambridge, MA (poster)
  
- **Yoo, L.I.** (2007). Characterization of the role of Pten in urologic cancer. College of Wooster Biology Seminar series, Wooster, OH. (invited talk)
  
- **Yoo, L.I.** and J. Yuan. (2007). Pten-mediated tumor suppression in murine bladder epithelium. Signaling in Cancer Meeting at the Case Comprehensive Cancer Center. Cleveland, OH (poster)
  
- A. Lindley, M. Tran, J. Yuan, and **Yoo, L.I.** (2006). Distinct signaling pathways are activated in response to *Pten* deficiency in Urogenital Organs. Annual meeting of The American Society for Cell Biology. San Diego, CA (poster)

- **Yoo, L.I.** (2004). Characterization of mice conditionally deficient for Pten in urogenital epithelium. Society for Basic Urologic Research Meeting, Savannah, GA. (talk)
- **Yoo, L.I.**, D. Liu, R. Bronson, H. Wu, and J. Yuan. (2004). Pten-mediated tumor suppression in murine bladder epithelium. Cancer Genetics & Tumor Suppressor Genes Meeting, Cold Spring Harbor, NY. (poster)
- **Yoo, L.I.**, S. LeVu, R. Verman, H. Wu, R. Bronson, and J. Yuan. (2003). Characterization of mice conditionally deficient for PTEN in urogenital epithelium. The Beatson International Cancer Conference, Glasgow, Scotland. (poster)
- **Yoo, L.I.**, J. Woloszynek, and S.H. Speck. (1999). Characterization of the EBV shared Cp/Wp enhancer. The 24<sup>th</sup> International Herpesvirus Workshop, Boston, MA. (poster)
- **Yoo, L.I.**, M.A. Mooney, and S.H. Speck. (1997). Regulation of EBV latency promoters by an EBNA2 responsive enhancer. The 22<sup>nd</sup> International Herpesvirus Workshop, San Diego, CA. (poster)

### **Research Support:**

- Denison University Research Foundation, 2013. \$6800
- Denison University Research Foundation, 2006-2008. \$11,000
- American Cancer Society postdoctoral fellowship "Dissection of the Molecular Functions of the LKB1 tumor suppressor gene." July 2001-June 2004. \$118,000

### **Professional Activities and Service:**

- Member of Personnel Committee, Denison University, 2017-present
- External Reviewer of scholarship for Tenure Review, Assumption College, 2017
- Faculty Advisor for Asian American Association student organization at Denison University, 2017-present
- Member of Anderson scholarship selection committee 2017, 2011
- Attendee at DIS Study Abroad in Scandinavia International Education Workshop in Stockholm, Sweden 2017

- Attendee at Association of American Colleges and Universities conference on Diversity, Learning, and Student Success: Assessing and Advancing Inclusive Excellence, San Diego, CA, 2015
- Member of Campus Affairs Council, Denison University, 2014
- Member of Martin Luther King, Jr. Day Steering Committee, Denison University. 2013-2014
- Volunteer judge for American Society for Cell Biology 2013 Annual Meeting Poster session
- Volunteer for A Call to College/PEAK program Reality store event at Heritage Middle School, Newark, OH ,2013
- Member of Denison Community of Practice: Scientific literacy and Power & Justice, 2012
- Reviewer for *Journal of Cell Biology, Molecular and Cellular Biochemistry, Histology and Histopathology* 2010-2013
- Member of Denison University Institutional Review Board 2010-2012
- Member of Committee on Residential Life, Denison University. 2009- 2012.
- Mentor for Preparing Future Faculty program, Ohio State University, 2007-08 and 2010-11.
- Member of Multicultural Student Recruitment Committee, Denison University, 2008-2010
- Member of Selections and Elections Committee, Denison University. 2007-2010.
- Member of Organizing Committee for Liberal Education Workshop for Faculty, Denison University, 2008.
- Co-coordinator for Denison Scientific Association, 2006-2007

### **Professional Societies:**

- The American Society for Cell Biology, member 2006-present

