

NANO KOREA 2020

July 1~3, KINTEX, Korea

Yoon Yeo

Professor of Industrial and Physical Pharmacy, Purdue University, USA

Address: 575 Stadium Drive, West Lafayette, IN 47907, USA

Telephone: (+1)765-496-9608

Fax: (+1)765-494-6545

E-mail: yyeo@purdue.edu

Nationality: Republic of Korea

Web: https://openwetware.org/wiki/Yeo_lab

EDUCATION

Purdue University	Ph.D	Pharmaceutics	2003
Seoul National University, Seoul, Korea	MS	Microbial Chemistry	1995
Seoul National University, Seoul, Korea	BS	Pharmacy	1993

PROFESSIONAL ACTIVITIES

- 8/2018 – present: Professor, Department of Industrial and Physical Pharmacy, College of Pharmacy, Weldon School of Biomedical Engineering (by courtesy), Purdue University, West Lafayette, IN
- 5/2016 – present: Associate Head, Department of Industrial and Physical Pharmacy, College of Pharmacy, Purdue University, West Lafayette, IN
- 8/2013 – 7/2018: Associate Professor, Department of Industrial and Physical Pharmacy, College of Pharmacy, Weldon School of Biomedical Engineering (by courtesy), Purdue University, West Lafayette, IN
- 1/2007 – 7/2013: Associate Professor, Department of Industrial and Physical Pharmacy, College of Pharmacy, Weldon School of Biomedical Engineering (by courtesy), Purdue University, West Lafayette, IN
- 4/2004 – 12/2006: Post-doctoral Research Associate, Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA
- 1/1995 – 7/1999: Research Scientist, Samyang Corp., Pharmaceutical R&D center, Daejeon, Korea

AWARD AND HONORS

- 2019 American Association of Pharmaceutical Scientists (AAPS) Fellow
- 2015 Bravo Award, Purdue University
- 2015 Chaney Family Early Scholar Award, College of Pharmacy, Purdue University
- 2014 The 2nd T. G. Park Award
- 2014-2019 Showalter Faculty Scholar, Purdue University
- 2014 Faculty Fellowship for Study in a Second Discipline, Purdue University

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- 2011 National Science Foundation (NSF) CAREER Award
- 2009 AAPS New Investigator Grant Award in Pharmaceutics and Pharmaceutical Technologies
- 2008 American Association of College of Pharmacy (AACCP) New Investigators Program for Pharmacy Faculty
- 2004 American Association of Pharmaceutical Scientists (AAPS) Outstanding Graduate Student Research Award in Pharmaceutical Technologies
- 2003 Controlled Release Society (CRS)-3M Drug Delivery Systems Graduate Student/Post-Doc Outstanding Drug Delivery Paper Award
- 2002 First place in the poster presentation at the 32nd Annual Pharmaceutics Graduate Student Research Meeting
- 2001 Controlled Release Society (CRS) Highlights of Student Posters
- 2000 Flemming Award, School of Pharmacy and Pharmaceutical Sciences, Purdue University
- 1999 Korean Government Scholarship, National Institute for International Education Development, Korea

MAIN SCIENTIFIC PUBLICATION

- Complete List of Published Work:
<https://www.ncbi.nlm.nih.gov/myncbi/yoon.yeo.1/bibliography/public/>
- Taha, M., Creswell, C., Park, J., Lee, W., Ratliff, T., **Yeo***, Y. Sustained delivery of carfilzomib by tannic acid-based nanocapsules helps develop antitumor immunity. *Nano Letters*. (2019) 19: 8333-8341.
- Meng, F., Wang, J., Ping, Q., **Yeo***, Y. Camouflaging Nanoparticle Surface for Coordinated Delivery of Therapeutic Combinations. *Nano Letters*. (2019) 19: 1479-1487.
- Xu, J.; Lee, S. S.-Y.; Seo, H.; Pang, L.; Jun, Y.; Zhang, R.-Y.; Zhang, Z.-Y.; Kim, P.; Lee, W.; Kron, S. J.; **Yeo***, Y. Quinic Acid-Conjugated Nanoparticles Enhance Drug Delivery to Solid Tumors via Interactions with Endothelial Selectins. *Small*. (2018) 14: 1803601
- Park, J., Park, J.E., Hedrick, V.E., Wood, K.V., Bonham, C., Lee, W., **Yeo***, Y. A Comparative In Vivo Study of Albumin-Coated Paclitaxel Nanocrystals and Abraxane. *Small*. (2018) 14: 1703670.
- Kwak, G., Kim, D., Nam, G.H., Wang, S.Y., Kim, I.S., Kim, S.H., Kwon, I.C., **Yeo***, Y. Programmed Cell Death Protein Ligand-1 (PD-L1) Silencing with Polyethylenimine-Dermatan Sulfate Complex for Dual Inhibition of Melanoma Growth. *ACS Nano*. (2017) 11: 10135–10146.

RESEARCH INTERESTS

- Nanoparticle surface engineering for drug delivery to solid tumors
- Immunomodulatory drug delivery systems and biomaterials
- Intracellular delivery of peptide antibiotics and gene therapeutics