

CURRICULUM VITA

KINAM PARK

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TITLE: Showalter Distinguished Professor of Biomedical Engineering
Professor of Pharmaceutics

Education:

B.S. in Pharmacy	1971-1975	Seoul National University, Seoul, Korea
Ph.D. in Pharmaceutics	1979-1983	University of Wisconsin, Madison, WI
Postdoc in Chem. Eng.	1983-1985	University of Wisconsin, Madison, WI

Academic Appointment

7/06 - present	Showalter Distinguished Professor of Biomedical Engineering Purdue University
6/01 - present	President, Akina, Inc.
7/98 - present	Professor, Department of Biomedical Engineering, Purdue University
7/94 - present	Professor, Department of Pharmaceutics, Purdue University
7/90 - 6/94	Associate Professor, Department of Pharmaceutics, Purdue University
2/86 - 6/90	Assistant Professor, Department of Pharmaceutics, Purdue University
5/85 - 1/86	Research Assistant Professor Department of Pharmaceutics, University of Utah
4/83 - 4/85	Postdoctoral Research Associate Department of Chemical Engineering, University of Wisconsin
1/79 - 3/83	Research Assistant Department of Pharmaceutics, University of Wisconsin
3/75 - 7/77	Served in the Korean Army as a lieutenant

Awards and Honors

NIH New Investigator Research Award (1986)
Achievement Award in 1989 IBM Supercomputing Competition (1990)
Young Investigator Award: Controlled Release Society (1992)
Controlled Release Society-Merck Award for the Outstanding Paper in the Ag/Vet field (1997)
University Faculty Scholar, Purdue University (1999)
Clemson Award (the basic research category) of Society for Biomaterials (2001)
Research Achievement Award (Pharmaceutics and Drug Delivery Section) (2001)
Controlled Release Society-NanoSystems Outstanding Pharmaceutical Paper Award (2004)
Controlled Release Society Founders Award (2004)
Louis W. Busse Lectureship of School of Pharmacy, University of Wisconsin (2008)
Sigma Xi Research Award (the Purdue University Chapter) (2009)
Advisory Professor for Medical Science Research at Kyungpook National University (2009-2012)
The Nagai Foundation Tokyo Distinguished Lectureship (2010)
Purdue Cancer Research Award by Lafayette Lions Club (with Professor Ji-Xi Cheng) (2011)
Kyung Hee University International Scholar (2012)
Visiting Professor of Heilongjiang University of Chinese Medicine, China (2012)
Visiting Professor of Ajou University, Korea (2013)
Thomson Reuters' list of "The World's Most Influential Scientific Minds. 2014 (2014)
Korean-American Society in Biotech and Pharmaceuticals (KASBP)-Daewoong Award (2014)
Featured in Indiana at 200. A Celebration of the Hoosier State (2015)
Ashland Inc. Distinguished Lecturer at the University of Kentucky (2015)
Controlled Release Society Distinguished Service Award (2015)
Willis A. Tacker Prize for Outstanding Teaching in Weldon School of Biomedical Engineering (2015)
The 2015 Purdue Innovator Hall of Fame Inductee (2015)
Distinguished Scholar, the Chinese University of Hong Kong (2016)
Special Government Employee at FDA CDER (2016)
Clarivate Analytics' list of "Most Influential Scientific Minds. Highly Cited Researchers (2016)
Clarivate Analytics' list of "Highly Cited Researchers (2017)
The University of Auckland Distinguished Visitor Award (2017)
The 2018 CRS Foundation Award (2018 Kinam Park Student Travel Grant Program) (2018)

Controlled Release Society-3M Drug Delivery Systems Graduate Student Outstanding Research Award
in Drug Delivery (Yoon Yeo: Controlled Release Society, 2003)
AAPS Outstanding Graduate Student Research Award in Pharmaceutical Technologies
(Mentoring Yong Qiu: American Association of Pharmaceutical Scientists, 2003)
AAPS Outstanding Graduate Student Research Award in Pharmaceutical Technologies
(Mentoring Yoon Yeo: American Association of Pharmaceutical Scientists, 2004)
Drug Delivery Special Interest Group Outstanding Contribution to the Society for Biomaterials
(Eunah Kang: Society for Biomaterials 2007)

Board of Governors of the Controlled Release Society (1993-1996)
Fellow, American Association for Pharmaceutical Scientists (AAPS) (1993)
President of the Korean-American Pharmaceutical Scientists Association (1995-97)
Fellow, American Institute for Medical and Biological Engineering (1996)
Fellow, Biomaterials Science and Engineering of the Society for Biomaterials (2000)
President of the Controlled Release Society (2001-2002)
Fellow, Controlled Release Society (2010)

Professional Activities

Advisory Board

Advisory Board of the Molecular Modeling Conference (1994)
Advisory Panel on Polymeric Excipients, USP (1995-1999)
ACS Books Advisory Board (1997-2000)
Advisory Panel on Current Drugs (1997-1999)
Scientific Advisory Board, International Symposium on the Frontiers in Biomedical Polymers Applications (2000-2001)
Scientific Advisory Board, International Symposium on Recent Advances in Drug Delivery Systems (2000-2001)
Advisory Panel on Excipients: Substance and Characterization Expert Committee, USP (2000-2005)
Scientific Program Committee of the 2nd Pharmaceutical Sciences World Congress (PSWC) (2004)
Scientific Advisory Board, Delsite, Inc. (2004-2008)
Scientific Advisory Board, International Nanomedicine and Drug Delivery Symposium (2005-)
Scientific Advisory Board, Soleira Laboratories (2006-2008)
Scientific Advisory Board, Boston Scientific (2006-2008)
Scientific Advisory Board, Lohmann Therapie-Systeme AG (2006-2012)
Scientific Advisory Board, European Symposium on Controlled Drug Delivery (2006-2009)
Scientific Advisory Board, China International Pharmaceutical Technologies Conference 2007 (2006-2008)
Scientific Organizing Committee for Micro 2007, the 16th International Symposium on Microencapsulation (2007)
International Advisory Board, CIMTEC 2008 the 3rd International Conference on Smart Materials, Structures and Systems (2007-2008)
Dean's Faculty Advisory Committee, Purdue University, College of Engineering (2007-2013)
Engineering Named Professorships Committee, Purdue University, College of Engineering (2007-2014)
Provost Search Committee, Purdue University (2007-2008)
Board of Directors & Chairman of Fellowship Committee, CRS Foundation (2008-2013)
International Advisory Board, CIMTEC 2010 the 5th Forum on New Materials & 9th International Conference on Medical Applications of Novel Biomaterials and Nano-biotechnology (2009-2012)
Drug Delivery Scientific Advisory Board, Genentech (2010-2015)
The International Symposium on Biomaterials and the China-Japan-Korea (Asia 3) Foresight Joint Symposium on Gene Delivery, Guilin, Guangxi, China (2010-2011)
Chairman, Dean's Faculty Advisory Committee, Purdue University, College of Engineering (2010-2012)
International Scientific Advisory Board, School of Pharmacy at Queen's University Belfast (2011)
Scientific Committee, the 19th International Symposium on Microencapsulation, Pamplona, Spain (2012-2013).
International Advisory Board, 20th International Symposium on Microencapsulation. IMS2015 Boston (2014)
External Advisor for the Center of Biological Research Excellence at the University of South Carolina (2014-2015)
Chair, the Annual Meeting Programme Committee for the Controlled Release Society conference in 2016.
Faculty Awards and Recognition (FAR) committee, College of Engineering representative (2015-2018)
Scientific Advisory Board, the International Conference on Biomaterials Science in Tokyo (2016)

International Advisory Board, CIMTEC 2018 the 8th Forum on New Materials & 12th International Conference on Medical Applications of Advanced Biomaterials and Nano-biotechnology (2017-2018)

External Advisor for Internal Projects at Korea Institute of Science and Technology (KIST) (2017)
International Organizing/Advisory Committee, 5th Symposium on Innovative Polymers for Controlled Delivery, Suzhou, China (2018)

Editorial Board

Journal of Biomaterials Science- Polymer Edition (1993-)
Journal of Bioactive and Compatible Polymers (1993-)
Journal of Controlled Release (1997-2005)
Colloids and Surfaces B: Biointerfaces (1997-)
Archives of Pharmacal Research (1998-)
PharmSci (official electronic journal of AAPS) (1999-2009)
PharmSciTech (official electronic journal of AAPS) (2001-2009)
Drug Delivery Technology (2002-)
Advanced Drug Delivery Reviews (2003-)
Biomaterials Research (2003-)
Encyclopedia of Pharmaceutical Technology (2003-)
Macromolecular Research (2004-)
Journal of Pharmacy and Pharmacology (2004-)
Journal of Biopharmaceutics and Biotechnology (2005-)
CRS Books (2006-)
Drugs in Pharmaceutical Sciences Series, Taylor & Francis & Informa (2007-)
Journal of Drug Delivery Science and Technology (2008-)
Nanomedicine: Nanotechnology, Biology and Medicine (2010-2011)
Nano Reviews (2010-)
Drug Delivery and Translational Research (2010-)
Frontiers in Drug Delivery Biotechnology (2010-)
Experimental Biology and Medicine (2012-2015)
Journal of Hydrogels (2013-)
Biomaterials Research (2014-)
Regenerative Engineering and Translational Medicine (2015-)

Journal Editor

Associate Editor, Pharmaceutical Research (1995-2004)
Book Review Editor, Pharmaceutical Research (1996-2004)
Guest Editor, Colloids and Surfaces B: Biointerfaces (1998-1999)
Guest Editor, Advanced Drug Delivery Reviews (2001-2002)
Editor, Americas, Journal of Controlled Release (2005)
Editor-in-Chief, Journal of Controlled Release (2005-)

NIH Study Section

NIH Pharmacology Study Section member (1996-2001, 2003)
NIH Bioengineering, Technology, and Surgical Sciences Study Section member (2005-2009)
Member, College of CSR Reviewers, NIH (2010-2013, 2016)

Special Reviewer of NIH Study Sections

Surgery and Bioengineering Study Section (1991, 1995-1997, 1999, 2004)
Surgery, Anesthesiology, & Trauma Study Section (1992-1994)
Special Study Section SSS-8 (1995)
Pharmacology Special Study Section, Chairman (2001, 2002, 2003)

National Cancer Institute Special Emphasis Panel (2005)
Member of NIH SBIR special study sections
Diabetes and Digestive and Kidney Diseases (1990, 1991, 1993), Pharmacology (1990, 1992, 1993), Physiological Sciences (1990), Reproductive Endocrinology (1990-1992, 1994-1996, 1999), Multidisciplinary Special Emphasis (1994, 1995), NIDDK (2009).

Membership in Academic, Professional, and Scholarly Societies

American Association of Pharmaceutical Scientists
American Chemical Society
Controlled Release Society
Society for Biomaterials

Books

- 1) Park, K., Shalaby, S.W.S., and Park, H.: *Biodegradable Hydrogels for Drug Delivery*, Technomic Publishing Co., Inc., Lancaster, PA, 1993, 252 pages.
- 2) Ottenbrite, R., Hwang, S., and Park, K., Eds.: *Hydrogels and Biodegradable Polymers for Bioapplications* (ACS Symposium Series 627), American Chemical Society, Washington, DC, 1996, 268 pages.
- 3) Park, K., Ed.: *Controlled Drug Delivery: Challenges and Strategies*, American Chemical Society, Washington, DC, 1997, 629 pages.
- 4) Park, K. and Mrsny, R., Eds.: *Controlled Drug Delivery: Designing Technologies for the Future* (ACS Symposium Series 752), American Chemical Society, Washington, DC, 2000, 459 pages.
- 5) Park, K.D., Kwon, I.C., Yui, N., Jeong, S.Y. and Park, K., Eds.: *Biomaterials and Drug Delivery toward New Millennium*, Han Rim Won Publishing Co., Seoul, Korea, 2000, 691 pages.
- 6) Yui, N., Mrsny, R., and Park, K., Eds.: *Reflexive polymers and hydrogels: Understanding and designing the fast-responsive polymeric systems*, CRC Press, Boca Raton, FL, 2004. 452 pages.
- 7) Morishita, M. and Park, K., Eds.: *Biodrug Delivery Systems: Fundamentals, Applications and Clinical Development*, (Volume 194 of the Drugs and the Pharmaceutical Sciences Series), Informa Healthcare, New York, NY, 2010. 471 pages.
- 8) Ottenbrite, R.M., Park, K., Okano, T., and Peppas, N.A., Eds.: *Hydrogels Handbook*, Springer, 2010, 432 pages.
- 9) Wen, H. and Park, K., Eds.: *Oral Controlled Release Formulation Design and Drug Delivery: Theory to Practice*, John Wiley & Sons, New York, NY, 2010. 363 pages.
- 10) Bae, Y.H., Mrsny, R., and Park, K., Eds.: *Cancer Targeted Drug Delivery: An Elusive Dream*, Springer, New York, 2013, 720 pages.
- 11) Park, K., Ed.: *Biomaterials for Cancer Therapeutics*, Woodhead Publishing Ltd., Oxford, UK, 2013, 528 pages.
- 12) Hillery, A. and Park, K., Eds.: *Drug Delivery: Fundamentals and Applications*, Second Edition, CRC Press/Taylor & Francis Group, Boca Raton, FL, 2016. ISBN: 978-1-4822-1771-1. 614 pages.

Journal Special Issues

- 1) Park, K. Ed., *Protein- and Cell-Repellent Surfaces*, Colloids and Surfaces B: Biointerfaces, Elsevier Science, Vol. 18 (No. 3-4), 2000. (with Editorial on p.167).

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