


Stanford



Howard Rosen

Lecturer

Graduate School of Business

 Resume available Online

Bio

BIO

Besides teaching at Stanford, Mr. Rosen serves on the board of directors of: AcetRx Pharmaceuticals, Inc. (NASDAQ: ACRX), where he served as CEO from 2015-17; Entrega, Inc.; Hammerton, Inc.; and, Kala Pharmaceuticals, Inc. (NASDAQ: KALA), where he served as Chairman from 2014-15.

ACADEMIC APPOINTMENTS

- Lecturer, Graduate School of Business

ADMINISTRATIVE APPOINTMENTS

- Lecturer in Management, Graduate School of Business, (2011- present)
- Lecturer, Department of Chemical Engineering, (2009- present)
- Lecturer, Department of Chemical Engineering, (2000-2003)

HONORS AND AWARDS

- Fellow, American Institute of Medical and Biological Engineers (AIMBE) (2014 - Present)
- Member, National Academy of Engineering (2005 - Present)
- Arjay Miller Scholar, Stanford Graduate School of Business (1987)
- Henry Ford II Scholar, Stanford Graduate School of Business (1987)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Joint Biomedical Engineering Department Industrial Advisory Board, University of North Carolina/North Carolina State (2015 - present)
- Biomedical Advisory Council, City College of New York (2005 - present)
- School of Engineering Advisory Council, Stanford University (2004 - 2007)
- Advisory Council on Interdisciplinary Biosciences, Stanford University (2003 - 2011)

PROFESSIONAL EDUCATION

- BS, Stanford University , Chemical Engineering (1980)
- MS, Massachusetts Institute of Technology , Chemical Engineering (1982)
- MBA, Stanford Graduate School of Business , Business (1987)

PATENTS

- Patrick Wong, Howard Rosen, Nathan Roth, Phyllis Gardner. "United States Patent 6,333,050 Oral Delivery of Discrete Units", ALZA Corporation, Dec 25, 2001
- Patrick Wong, Howard Rosen, Nathan Roth, Phyllis Gardner. "United States Patent 6,210,713 Oral Delivery of Discrete Units", ALZA Corporation, Apr 3, 2001

- Patrick Wong, Howard Rosen, Phyllis Gardner, Nathan Roth. "United States Patent 6,106,845 Oral Delivery of Discrete Units", ALZA Corporation, Aug 22, 2000
- Patrick Wong, Howard Rosen, Nathan Roth, Phyllis Gardner. "United States Patent 5,989,590 Oral Delivery of Discrete Units", ALZA Corporation, Nov 23, 1999
- Patrick Wong, Howard Rosen, Phyllis Gardner, Nathan Roth. "United States Patent 5,780,058 Oral Delivery of Discrete Units", ALZA Corporation, Jul 14, 1998
- Robert Langer, Howard Rosen, Robert Linhardt, Kam Leong. "United States Patent 4,906,474 Bioerodible Polyanhydrides for Controlled Drug Delivery", MIT, Mar 6, 1990
- Robert Langer, Howard Rosen. "United States Patent 4,891,225 Bioerodible Polyanhydrides for Controlled Drug Delivery", MIT, Jan 2, 1990

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Mr. Rosen is interested in the unique aspects of entrepreneurship as it relates to engineering and science-based industries as well as all types of startups in developing economies.

Research Interests

Entrepreneurship

Biotechnology

Pharmaceuticals

Clean Tech

Energy

Developing Economies

Teaching Statement

There are many common themes in the challenges faced by entrepreneurs; my teaching focuses on helping students understand and experience the unique aspects of entrepreneurship as it relates to engineering and science-based industries as well as all types of startups in developing economies.

Teaching

COURSES

2022-23

- Creating and Leading New Ventures in Engineering and Science-based Industries: CHEM 196, CHEM 296, CHEMENG 196, CHEMENG 296 (Spr)

2021-22

- Creating and Leading New Ventures in Engineering and Science-based Industries: CHEMENG 196 (Spr)

2020-21

- Creating and Leading New Ventures in Engineering and Science-based Industries: CHEMENG 196, CHEMENG 296 (Spr)

2019-20

- Creating and Leading New Ventures in Engineering and Science-based Industries: CHEM 196, CHEM 296, CHEMENG 196, CHEMENG 296 (Aut)

Publications

PUBLICATIONS

- **The rise and rise of drug delivery** *NATURE REVIEWS DRUG DISCOVERY*
Rosen, H., Abribat, T.
2005; 4 (5): 381–85

- **BIOERODIBLE POLYANHYDRIDES FOR CONTROLLED DRUG DELIVERY** *BIOMATERIALS*
ROSEN, H. B., CHANG, J., WNEK, G. E., LINHARDT, R. J., LANGER, R.
1983; 4 (2): 131–33

PRESENTATIONS

- “Ouch! “The Role of Drug Delivery in Pain Management.” - The 10th US-Japan Symposium on Drug Delivery Systems, December 16-20, 2009 (December 16, 2009)
- “What’s New in Cystic Fibrosis Therapy.” - The 9th US-Japan Symposium on Drug Delivery Systems (12/16/2007)