

## Curriculum Vitae

**Bozena “Bo” B. Michniak-Kohn**

### EDUCATION

- 1977            *Bachelor of Science (Pharmacy) with Honors*, School of Pharmacy, De Montfort University, Leicester, England.
- 1980            *Doctor of Philosophy (Pharmacology)*, School of Pharmacy, De Montfort University, Leicester, England. Title: “An Investigation of the Mechanism by which Aluminium and Other Polyvalent Cations inhibit Eccrine Sweating”. Advisor: Prof. Basil Northover, Ph.D.

### Internships and Residencies

- 1981            Royal Pharmaceutical Society of Great Britain, Internship for Pharmaceutical License (title of M.R. Pharm. S. awarded).

### Postdoctoral experience

- 1981-1983      University of Florida, Gainesville, FL College of Pharmacy, Postdoctoral Fellow with Professor Nicholas Bodor (Medicinal Chemistry).
- 1983-1986      University of Bradford, Bradford, England, Postgraduate School of Studies in Pharmacy, Senior Postdoctoral Fellow with Professor Brian W. Barry (Pharmaceutics and Drug Delivery).

### Licensure

- 1981-present    Member of the Royal Pharmaceutical Society of Great Britain. License #73637.

### APPOINTMENTS

- 2009-present    Ernest Mario School of Pharmacy, Rutgers-The State University of New Jersey, Busch Campus, Professor with Tenure in Pharmaceutics.
- 2011-present    Director & Founder, Center for Dermal Research (CDR), Rutgers-The State University of New Jersey.
- 2018-2023      Coordinator and Principal Investigator from Rutgers, The State University of New Jersey and member of General Assembly, Steering Committee and Training Committee for the international and interdisciplinary project financed by the European Commission # 778051 entitled ORBIS (Open Research Biopharmaceutical Internships Support) Research and Innovation Staff Exchange (RISE) under the framework of the Horizon 2020 (H2020-MSCA-RISE-2017) Maria Curie-Sklodowska Program. ORBIS project coordinator-Poznan University of Medical Sciences
- 2005-2009      Ernest Mario School of Pharmacy, Rutgers-The State University of New Jersey, Busch Campus, Associate Professor with Tenure in Pharmaceutics.
- 2000-2005      University of Medicine and Dentistry of New Jersey-NJ Medical School, Associate Professor, Dept. of Physiology and Pharmacology, Newark, NJ.

- 1998-2000 College of Pharmacy, University of South Carolina, Columbia, SC, Full Professor with tenure in Dept. of Basic Pharmaceutical Sciences-Pharmaceutics.
- 1993- 1998 College of Pharmacy, University of South Carolina, Columbia, SC, Associate Professor with tenure in Dept. of Basic Pharmaceutical Sciences-Pharmaceutics.
- 1986-1998 College of Pharmacy, University of South Carolina, Columbia, SC, Assistant Professor in Dept. of Basic Pharmaceutical Sciences-Pharmaceutics.

#### **SELECTED AWARDS AND HONORS**

- 2015 Elected to The Kosciuszko Foundation Collegium of Eminent Scientists as a Distinguished Fellow of the Collegium for Outstanding Achievements and Contributions to the Polish Scientific Community
- 2008 Awarded Fellow status of the American Association of Pharmaceutical Scientists (July 2008). Awards ceremony at the AAPS annual meeting in Atlanta, GA (Nov. 16<sup>th</sup>, 2008).
- 2007 Awarded the 2007 Meggers Award from the Society for Applied Spectroscopy for paper entitled “Infrared Kinetic/Structural Studies of Barrier Reformation in Intact Stratum Corneum Following Thermal Perturbation” *Applied Spectroscopy* (2007) 60, 1399-1404.
- 2005 Received Most Cited Paper Award 2005 in *European Journal of Pharmaceutics and Biopharmaceutics* for paper entitled “Transdermal iontophoresis: combination strategies to improve transdermal iontophoretic drug delivery” *Eur. J. Pharm. Biopharm.* (2005) 60, 179-191.
- 1998 Recipient of Researcher of the Year Award 1998, College of Pharmacy, University of South Carolina, SC.
- 1981 Received 1981 Best Publication award from the Society of Cosmetic Scientists for paper entitled “Studies on the mechanism of topical anhidrosis due to polyvalent cations”. *Inter. J. Cosm. Sci.* (1981) 3, 29-36.

#### **MAIN SCIENTIFIC ACHIEVEMENTS**

Dr. Michniak-Kohn scientific activities have spanned over 40 years with a main focus on design and optimization of topical formulations (creams, emulsions, gels) and novel drug delivery carriers such as micro- and nanoemulsions and polymeric nanospheres as well as transdermal systems (passive patches and microneedle arrays). Other interests include mucosal drug delivery (buccal in particular) and also new skin models for computer predictions of skin permeability of actives. The work also included visualization of skin drug penetration pathways, design and testing of novel penetration enhancers and retardants, novel human full-thickness three-dimensional skin models for permeability testing which will alleviate the need for animal experimentation and the use of donated human skin tissues.

Dr. Michniak-Kohn has published 476+ abstracts, 185 peer-reviewed publications, 41 books and book chapters and given over 300 presentations. She has a Hirsch Index of 47 and # of citations on Web of Science (accessed on 05/22/23) was 4421. In addition, she has trained over 60+ mainly PhD and a few Masters students many of whom have reached top tier positions (academic Deans and industry leaders) in industry and academia. In addition, she founded in 2011 and directs the Center for Dermal Research CDR at Rutgers the State University of New Jersey, a now globally well-recognized Center in the field of dermatics.