

CURRICULUM VITAE

MUSTAPHA AHMED BELEH

ADDRESS

Work:

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EDUCATION

1980-1985

College of Pharmacy, Alexandria University
Received a **Bachelor of Science** degree in
Pharmaceutical Sciences.

1987-1992

College of Pharmacy, The Ohio State University,
United States of America
Received a **Doctor of Philosophy** degree in
Medicinal Chemistry and Pharmacognosy
Adviser: Professor Robert W. Brueggemeier
Dissertation Title: Protein Induction and Estrogen
Metabolism in Subcellular Preparations and Tissue
Slices of the Golden Syrian Hamster.

PROFESSIONAL CAREER

2017- Present	Director of Education and Lecturer, College of Pharmacy University of Michigan, USA.
2001-2017	Lecturer, College of Pharmacy University of Michigan, USA.
2000-2001	Information Center Specialist, Alexandria, Egypt.
1999-2000	Lecturer, College of Pharmacy University of Michigan, USA.
1998-1999	Lecturer, Department of Chemistry, Eastern Michigan University, USA.
1996-1998	Research Director, Biochemistry and Biotechnology Section, Pharco Pharmaceuticals Alexandria, Egypt.
1992-1995	Assistant Professor, College of Pharmacy, South Dakota State University, USA.
1988-1992	Research Fellow, College of Pharmacy, The Ohio State University, USA.
1987-1988	Teaching Fellow, College of Pharmacy, The Ohio State University, USA.
1986-1987	Retail Pharmacist, Alexandria, Egypt.
1985-1986	Pharmacist in Mostafa Kamal Military Hospital, Alexandria, Egypt.

PROFESSIONAL AFFILIATIONS & HONOR SOCIETIES

- Rho Chi Honor Society of Pharmacy.
- American Chemical Society.
- American Association of Colleges of Pharmacy.

AWARDS

- Recipient of Graduate Students Alumni Research Award (**GSARA**) at The Ohio State University, March 1990.
- Recipient of the Proctor and Gamble Fellowship, June 1991.
- Recipient of the Teacher of the Year, College of Pharmacy, South Dakota State University, March 1995.
- Recipient of the Dean's Award in Excellence in Classroom Teaching, College of Pharmacy, South Dakota State University, April 1995.
- Computerworld Honors Laureate, San Francisco, April 2005.
- Computerworld Honors 21st Century Achievement Finalist Award, Washington DC, June 2005.
- Recipient of a Special Recognition Award for Teaching, College of Pharmacy, University of Michigan, April 2014.
- Recipient of the Students' Appreciation Award, College of Pharmacy, University of Michigan, April 2003, 2006, 2009, 2011, 2013, 2014, 2015, 2017 and 2019.
- Recipient of the Teaching Excellence Award, College of Pharmacy, University of Michigan, April 2019.

PUBLICATIONS

1. Brueggemeier, R. W., Tseng, K., Katlic, N. E., **Beleh, M.** and Lin, Y. C. Estrogen Metabolism in Primary Kidney Cell Cultures from Syrian Hamsters. *J. Steroid Biochem.* **1990**, 36, 325-331.
2. Brueggemeier, R. W., **Beleh, M.**, Donley, D. and Lin, Y. C. Estrogen Metabolism in Subcellular Preparations and Tissue Cultures of Syrian Hamster Liver and Kidney. In *Hormonal Carcinogenesis*, Li, J. J., Nandi, S. and Li, S. A. eds. Springer-Verlag, NY, **1992**, 259-262.
3. **Beleh, M.**, Brueggemeier, R. W., Chang, G. C. and Lin, Y. C. Biosynthesis and Secretion of Growth Factor Proteins by Kidney Cells from DES-treated Syrian Hamsters. *Biochem. Biophys. Res. Commun.* **1993**, 190, 1029-1036.
4. **Beleh, M.**, Lin, Y. C. and Brueggemeier, R. W. Comparison of Estrogen Metabolism in Subcellular, Cellular and Tissue Preparations of Kidney and Liver from Syrian Hamsters. *J. Steroid Biochem. Mol. Biol.* **1995**, 52, 479-489.
5. Waldman Dunham, M., Ghirtis, K. and **Beleh, M.** The Use of Virtual Laboratories and Other Web-based Tools in a Drug Assay Course. *Am J Pharm Educ.* **2012**; 76(5), Article 84.
6. **Beleh, M.**, Engels, M. and Garcia, G. Integrating Basic Sciences in the Pharm. D. Curriculum: A New Medicinal Chemistry and Pharmacology Course Sequence. *Am J Pharm Educ.* **2015**; 79(1), Article 13.

PRESENTATIONS

1. Brueggemeier, R. W., Tseng, K., Katlic, N. E., **Beleh, M.** and Lin, Y. C. Estrogen Metabolism in Primary Kidney Cell Cultures from Syrian Hamsters. American Association of Cancer Research, Washington, D.C., May **1990**, Abst. # 1330.
2. **Beleh, M.**, Tseng, K., Katlic, N. E., Lin, Y. C. and Brueggemeier, R. W. Estrogen Metabolism in Primary Kidney Cell Cultures from Syrian Hamsters. Twenty Third Annual Symposium in Medicinal Chemistry, Pittsburgh, PA, June **1990**.
3. **Beleh, M.**, Donley, D., Lin, Y. C. and Brueggemeier, R. W. Estrogen Metabolism in Subcellular Preparations and Tissue Cultures of Syrian Hamster Liver and Kidney. International Symposium on Hormonal Carcinogenesis, Cancun, Mexico, March **1991**.
4. **Beleh, M.**, Donley, D., Lin, Y. C. and Brueggemeier, R. W. Estrogen Metabolism in Subcellular Preparations and Tissue Cultures of Syrian Hamster Liver and Kidney. The Endocrine Society Meeting, Washington, D.C., June **1991**, Abst. # 532.
5. **Beleh, M.**, Donley, D., Lin, Y. C. and Brueggemeier, R. W. Protein Induction and Estrogen Metabolism in Subcellular Preparations and Tissue Cultures of Syrian Hamster Liver and Kidney. Twenty Fourth Annual Symposium in Medicinal Chemistry, Columbus, Ohio, June **1991**.
6. **Beleh, M.**, Lin, Y. C. and Brueggemeier, R. W. Estrogen-induced Protein Biosynthesis in Golden Syrian Hamster Kidney Cells. Twenty Fifth Annual Symposium in Medicinal Chemistry, Ann Arbor, Michigan, June **1992**.
7. Smar, M. W. and **Beleh, M.** Developing Critical and Creative Thinking Skills in Medicinal Chemistry. AACP 95th Annual Meeting, Albuquerque, New Mexico, July **1994**.
8. ElShehawy, R. M., Salama, O. M. and **Beleh, M.** Production and Purification of Alpha Amylase from Bacillus species. Fourth Scientific Conference, National Organization for Drug Control and Research, Cairo, Egypt, March **1998**.

9. Amer, R. A., Salama, O. M. and **Beleh, M.** Production and Purification of Citric Acid from *Aspergillus niger*. Fourth Scientific Conference, National Organization for Drug Control and Research, Cairo, Egypt, March **1998**.
10. Ghirtis, K., Waldman, M., **Beleh, M.**, Rice, K. and Woodard, R. Students' Performance and Appreciation of Internet-based Instructional Technology Applications in Pharmaceutical Analysis Laboratory Course. 2006 ACS Central Regional Meeting, Frankenmuth, Michigan, May **2006**.
11. Burke, F., Damm, K., Waldman, M., Ghirtis, K., Woodard, R. and **Beleh, M.** Integrating Technology in the Laboratory: Medicinal Chemistry 409. 233rd ACS National Meeting, Chicago, Illinois, March **2007**.
12. Waldman, M., Ghirtis, K. and **Beleh, M.** Integrating Technology in the Laboratory: A Drug Assay Course. 2008 AACP Annual Meeting and Seminars: A Bold New World, Chicago, Illinois, July **2008**.
13. Karpinen, K., Johnston, J., Woodard, J. and **Beleh, M.** CALM (Computer-based Assessment and Learning Modules). 2008 AACP Annual Meeting and Seminars: A Bold New World, Chicago, Illinois, July **2008**.
14. Dakhlian, D., Johnston, J. and **Beleh, M.** Integrating Technology in a Drug Assay Course; Part I – The Use of Academic Back-Channels (ABCs). Medical Education Day, University of Michigan, June **2010**.
15. Waldman, M., Ghirtis, K. and **Beleh, M.** Integrating Technology in a Drug Assay Course; Part II – The Use of Virtual Labs and Supporting Tools. Medical Education Day, University of Michigan, June **2010**.
16. **Beleh, M.** A Flavor of the Clinical Sciences in a Pharmacology/Medicinal Chemistry Course. 2011 AACP Annual Meeting: Bridges to Our Bright Future, San Antonio, Texas, July **2011**.
17. Ghirtis, K., Waldman, M. and **Beleh, M.** Integrating Technology in a Drug Assay Course: The Use of Virtual Labs and Supporting Tools. Panhellenic Pharmacy Congress, Athens, Greece, April **2012**.
18. Engels, M. and **Beleh, M.** Evaluation of a Remediation Plan in a Medicinal Chemistry and Pharmacology Course Sequence. 2012 AACP Annual Meeting: Turn up the Heat on your Professional Development, Kissimmee, Florida, July **2012**.

19. Rood, J. M. and **Beleh, M.** Use of online pre-test assessments and learning modules as active learning tools for student pharmacists. 2012 ASHP Midyear Meeting, Las Vegas, Nevada, December **2012**.
20. Rood, J. M. and **Beleh, M.** Online Pre-assessment Tools and Their Role as Predictors of Success for Pharmacy Students. 2013 AACP Annual Meeting: Pharmacy Education 2013, Chicago, Illinois, July **2013**.
21. Abu-Seir, H. and **Beleh, M.** Virtual laboratories and other web-based learning tools. 2013 ASHP Midyear Meeting, Las Vegas, Nevada, December **2013**.
22. Dela-Pena, J. and **Beleh, M.** Improvement of drug name pronunciation proficiency through the use of a computer-assisted learning tool. 2013 ASHP Midyear Meeting, Las Vegas, Nevada, December **2013**.
23. Fennelly, J., **Beleh, M.** and Sweet, B. Evaluation of Incorporating Technology into the Classroom: Effects on Student Performance, Student Preference, and Alignment with Students' Learning Styles. 2014 ASHP Midyear Meeting, Anaheim, California, December **2014**.
24. Leader, L., Sweet, B. and **Beleh, M.** Examining the Effect of Content Sequencing on Student Performance in the New Curriculum and Alignment with Preferred Student Learning Style. 2014 ASHP Midyear Meeting, Anaheim, California, December **2014**.
25. **Beleh, M.**, Engels, M. and Garcia, G. Integrating Medicinal Chemistry and Pharmacology into a New Course Sequence in the PharmD Curriculum. Health Professions Education Day, University of Michigan, June **2015**.
26. **Beleh, M.** Integrating Medicinal Chemistry and Pharmacology into a New Course Sequence in the PharmD Curriculum. Midwest Teacher-Scholar Retreat, Fort Wayne, Indiana, November **2015**.
27. Houchard, G., **Beleh, M.** and Sweet B. V. Comparing student and faculty preferences for course evaluations. ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December **2015**.
28. Racz, R., **Beleh, M.**, Chaffee, B. and Sweet B. V. Assessment of student and faculty preferences for professional electives. ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December **2015**.

29. **Beleh, M.** and Sweet, B. Incorporating Statistics Modules into the PharmD Curriculum: Impact on Student Learning. 2016 AACP Annual Meeting: Pharmacy Education 2016, Anaheim, California, July **2016**.
30. **Beleh, M.** The Use of Pre-Course Assessments in Identifying Deficiencies in Knowledge, to Develop Learning Tools and as Predictors of Success. Midwest Teacher-Scholar Retreat, Fort Wayne, Indiana, November **2016**.
31. Abdallah, Z., Souhad, S., **Beleh, M.** and Garcia, G. The Effect of Changes to an Integrated Medicinal Chemistry and Pharmacology Course Series on Student Performance and Satisfaction. Health Professions Education Day, University of Michigan, April **2017**.
32. Manzo, A., Barron, C., Carrier, K. and **Beleh, M.** Use of a Web-Based Application in an Integrated Pharmacology and Medicinal Chemistry Course. ASHP Midyear Clinical Meeting, Orlando, Florida, December **2017**.
33. **Beleh, M.** Teaching Students How to Integrate Basic and Clinical Sciences to Enhance Clinical Decision Making. 2018 AACP Annual Meeting: Pharmacy Education 2018, Boston, Massachusetts, July **2018**.
34. Kaip, E., Michaels, D. and **Beleh, M.** Interactive Learning Modules for Integrated Pharmacology and Medicinal Chemistry Topics. ASHP Midyear Clinical Meeting, Anaheim, California, December **2018**.
35. Khan, N. and **Beleh, M.** The Use of Online Learning Modules to Address Deficiencies in Student Knowledge of Physiology-based Concepts. ASHP Midyear Clinical Meeting, Anaheim, California, December **2018**.