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**Department of pharmaceutical Technology
Faculty of pharmacy
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Education

Ph.D. in Pharmaceutical Sciences, Biopharmaceutics and Pharmacokinetics.

Aerosol Research Group, Department of Pharmaceutics

Virginia Commonwealth University, VA-USA.

(Aug. 2009-Dec 2013).

B.Sc. in Pharmacy- Excellent Evaluation with Honors.

Student status: on the university and school honor's lists (all semesters).

Faculty of Pharmacy,

Jordan University of Science and Technology. Irbid-Jordan.

(Sep. 2002-Jan. 2007).

Experiences

- **Visiting research scholar/Affiliate faculty member.** VA-USA
**Dr. Michael Hindle's research group/ ARG at VCU
Pharmaceutical department, School of pharmacy.**
(July.01. 2016 –Sep. 17. 2016).
 - **Jordan University of Science and Technology.** Irbid-Jordan
**Assistant professor
Department of pharmaceutical Technology, Faculty of pharmacy**
(Feb. 2014 -Present).
 - **Virginia Commonwealth University.** VA-USA
**Teaching Assistant
Pharmaceutical department, School of pharmacy.**
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(Jan. 2012 -May 2012).

- **Jordan University of Science and Technology.** Irbid - Jordan
Teaching Assistant
Pharmaceutical Technology department, Faculty of pharmacy.
(Sep. 2008 – Jul. 2009).
- **Tabuk Pharmaceutical Mfg. Co.** Amman-Jordan.
Regulatory Affairs officer (Algeria/North Africa region)
(May 2007 – Jul. 2008).

Teaching experience:

- **Graduate course:**
Phar 756: Advanced Biopharmaceutics and Pharmacokinetics
(Masters students)
- **Undergraduate courses:**
Phar456: Biopharmaceutics and Pharmacokinetics
(Pharmacy and Pharm. D. Students)
Phar553: Clinical Pharmacokinetics
(Pharm. D. Students)
Phar351: Pharmaceutics
(Pharmacy and Pharm. D. Students)

Conferences, workshops, and training Courses

- Applied Statistics for Life and Social Sciences using R. Academic Development and Quality Assurance Center. Irbid, Jordan. (Jan. 31. 2015 - Feb. 01. 2016)
 - E-Learning: Open Educational Resources (OER). Academic Development and Quality Assurance Center. Irbid, Jordan. (Sep.13-14. 2015)
 - Respiratory Drug Delivery 2014. Fajardo, Puerto Rico. (May. 04-08. 2014)
 - AAPS annual meeting and exposition 2012. McCormick Place, Chicago, IL-USA. (Oct. 14–18. 2012)
 - Respiratory Drug Delivery 2012. JW Marriott Desert Resort & Spa, Phoenix, AZ-USA (May 13-17. 2012).
 - Therapeutic equivalence: Regulatory and scientific issues in drug product development. Jonah Larrick Student Center, Virginia Commonwealth university, Richmond, VA-USA (Apr. 18. 2012).
 - AAPS annual meeting and exposition 2011. Walter E. Washington convention center, Washington, DC-USA (Oct. 23-27. 2011).
 - 19th Inhalation aerosol technology workshop. Baltimore, MD-USA (Jun.14-16. 2010) with the laboratory session (Jun. 17. 2010)
 - Advanced PK/PD modeling workshop. Richmond, VA-USA (Jun. 7-10. 2010)
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- Certified Project Manager (CPM). Modern Manager Consulting Co. Amman-Jordan. (Feb. 23. 2008 –Mar. 1. 2008)
 - Strategies for time management excellence. Coaching Moments for Management Consultation LTD. Co. Amman-Jordan (Jul. 30 –Aug. 1. 2007)
 - Decision making, Problem solving, Creative thinking, Communication skills workshops. Jordan university of Science and Technology. Irbid-Jordan (Mar. 2006).
 - Stress and time management workshop. Jordan university of Science and Technology. Irbid-Jordan (Mar. 2006)

Awards and Recognitions

- **2012 AstraZeneca travel award** in recognition of research presented in AAPS annual meeting and exposition 2012. McCormick Place, Chicago, IL-USA. (Oct. 14–18. 2012).
- **Aradigm Corporation made a press release** in recognition of research presented in AAPS annual meeting and exposition 2012, “Virginia Commonwealth University Scientists Report Anti-Inflammatory Effect of Aradigm's Inhaled Liposomal Ciprofloxacin” (Oct.16. 2012).

Website: <http://investor.aradigm.com/releasedetail.cfm?releaseid=713676>

- **Thakker award 2010** “In recognition of demonstrated excellence in research in the department of pharmaceutics”. School of pharmacy, Virginia Commonwealth University, VA-USA. (Oct.15. 2010).
- **Jordan University of Science and Technology full scholarship** to pursue doctorate degree in Virginia Commonwealth University. (Sep 2009-Dec 2013).
- **King Abdallah II center for excellence full scholarship** in recognition of academic excellence that covers all tuitions of Jordan University of Science and Technology- Faculty of pharmacy. (Jan 2003-Dec 2006).

Publications:

- Azimi M, **Darweesh RS**, Hindle M, Farkas DR, Golshahi L, Sakagami M and Longest PW. (2017) “The Use of a Physically Realistic Nasal Airway Model for the Assessment of In Vitro Transepithelial Transport of Nasally Administered Drugs”. *Journal of Aerosol Medicine and Pulmonary Drug Delivery*. **30(3)**: A-19.
- Wei X, Kaviratna A, **Darweesh RS**, Longest PW, Hindle M. (2016)“Aerosol Performance and Stability Characteristics of Spray-Dried Tobramycin Excipient Enhanced Growth Inhalation Powder Formulations” *Drug Delivery to the Lungs* 27,

- **Darweesh RS**, Sakagami. M. (2014). "In Vitro Inhibitory Activities of Liposomal Ciprofloxacin Against Lipopolysaccharide (LPS)-induced IL-8 Release from the Calu-3 Cells." *Respiratory Drug Delivery* **3**: 747-750.
- **Darweesh RS**, Sakagami. M. (2014). "Exploring Mechanisms of Absorptive Transport for Liposomal Ciprofloxacin Using the Calu-3 Cell Monolayers." *Respiratory Drug Delivery* **3**: 751-754.
- Sakagami. M., Arora-Lakhani D., Saluja B., **Darweesh RS**. (2013) "Getting To The Receptors: Impact of Aerosol Particle Dissolution, Drug Release And Cellular Uptake" *Journal of Aerosol Medicine and Pulmonary Drug Delivery*. **26(2)**: A10.

Posters and oral presentations

- **Poster presentation** "In Vitro Inhibitory Activities of Liposomal Ciprofloxacin Against Lipopolysaccharide (LPS)-induced IL-8 Release from the Calu-3 Cells." **Respiratory Drug Delivery 2014**. El Conquistador Resort in Fajardo, Puerto Rico (May. 05-06. 2014)
- **Poster presentation** "Exploring Mechanisms of Absorptive Transport for Liposomal Ciprofloxacin Using the Calu-3 Cell Monolayers." **Respiratory Drug Delivery 2014**. El Conquistador Resort in Fajardo, Puerto Rico (May. 05-06. 2014)
- **Research seminar** "In Vitro Assessments of Lung Epithelial Anti-inflammation for Liposomal Ciprofloxacin: a Comparison with Unformulated Ciprofloxacin" **Research Seminars in Drug Development (PCEU690)**. School of Pharmacy, Virginia Commonwealth University, Richmond, VA-USA (Feb. 26. 2013).
- **Poster presentation** "In Vitro Assessments of Lung Epithelial Anti-inflammation for Liposomal Ciprofloxacin: a Comparison with Unformulated Ciprofloxacin" **2012 AAPS Annual Meeting and Exposition**. McCormick Place, Chicago, IL-USA (Oct. 14-18. 2012).
- **Poster presentation** "In Vitro Assessments of Lung Epithelial Anti-inflammation for Liposomal Ciprofloxacin: a Comparison with Unformulated Ciprofloxacin" **School of Pharmacy 15th Annual Pharmaceutical Sciences Research and Career Day**. Virginia Commonwealth University, Richmond, VA-USA (Oct. 12. 2012).
- **Poster presentation** "Transport of Liposomal Ciprofloxacin across the Calu-3 Cell Monolayers: Transepithelial Electrical Resistance-dependent Transport" **2011 AAPS Annual Meeting and Exposition**, Walter E. Washington convention center, Washington, DC-USA (Oct. 23-27. 2011).

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- **Poster presentation** “Transport of Liposomal Ciprofloxacin across the Calu-3 Cell Monolayers: Transepithelial Electrical Resistance-dependent Transport” **School of Pharmacy 14th Annual Pharmaceutical Sciences Research and Career Day.** Virginia Commonwealth University, Richmond, VA-USA (Oct. 08. 2011).
 - **Research seminar** “*Transport of Ciprofloxacin and Liposomal Ciprofloxacin across the Calu-3 Cell Monolayers*” **Research Seminars in Drug Development (PCEU690).** School of Pharmacy, Virginia Commonwealth University, Richmond, VA-USA (Feb. 22. 2011).
 - **Poster presentation** “*Transport of Liposomal Ciprofloxacin across the Calu-3 Cell Monolayers*” **School of Pharmacy 13th Annual Pharmaceutical Sciences Research and Career Day.** Virginia Commonwealth University, Richmond, VA-USA (Oct. 08. 2010).

Memberships

- American Association of Pharmaceutical scientists (AAPS). (Sep. 2010-Dec 2015).
- Graduate Student Association & VCU/AAPS Student Chapter, school of pharmacy, Virginia Commonwealth University, VA-USA. (2009-2013).
- The honor society of Phi Kappa Phi. (Nov. 2010-Nov. 2011).
- Jordan Pharmaceutical Association, Amman-Jordan (2008-Present).

References

Karem H. Al-Zoubi, Ph.D.

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Michael Hindle, Ph.D.

Peter R. Byron Distinguished Professor Professor

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