

# Mohamed K. Abdelhakiem

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## Personal Profile

Full Name: Mohamed Khalaf Mahmoud Abdelhakiem  
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## EDUCATION and TRAINING

### Post-Graduate:

07/2020-present	University of Pittsburgh Medical Center Pittsburgh, PA, USA	PGY-2	Radiation Oncology
10/2019-06/2020	University of Pittsburgh Pittsburgh, PA, USA	Post-Doctoral Associate	Radiation Oncology, Dr. Heath Skinner Laboratory
07/2018-06/2019	Medical College of Wisconsin Milwaukee, WI, USA	PGY-1	Internal Medicine

### Graduate:

08/2013-05/2018	Medical College of Wisconsin Milwaukee, WI, USA	Doctor of Medicine	Medical School
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### Undergraduate:

08/2009-05/2013	Missouri State University Springfield, MO, USA	B.S., Major in Cell and Molecular Biology with Honors, Minor in Chemistry	Undergraduate University
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**CERTIFICATION and LICENSURE**

07/2006                      CompTIA A+ Microsoft Hardware Certification, Missouri State University

**AWARDS and NOMINATIONS**

10/2018                      Intern physician of the month, Medical College of Wisconsin  
08/2013-05/2014              Featured in Honors College brochure, Missouri State University  
08/2009-05/2013              Board of Governors Scholarship, Missouri State University  
2011                              Honors College Service Award, Missouri State University

**LEADERSHIP POSITIONS**

08/2014-06/2015              Co-president, Global Health Organization, Medical College of Wisconsin  
08/2014-06/2015              Council of Presidents, Medical College of Wisconsin  
08/2014-06/2015              Physicians in Medical Practice, Medical College of Wisconsin  
08/2013-12/2013              Molecules to Cells Committee, Medical College of Wisconsin  
02/2013-05/2014              Team captain, Intramural Soccer, Medical College of Wisconsin

**PUBLICATIONS and RESEARCH EXPERIENCE****Peer-Review Publications Bibliography**

1. **Abdelhakiem M. K.**, Johnstone C, Bergom C, Currey A, Robbins J (2020, in submission). The Influence of Breast Cancer Subtype on Survival After Palliative Radiation for Osseous Metastases. *Cancer Medicine*.
2. Kumar M, Molkentine D, Molkentine J, Bridges K, Xie T, Yang L, Gao M, Frederick M, Seth S, **Abdelhakiem M**, Johnson F, Wang J, Shen L, Heffernan T, Sheth A, Ferris R, Myers J, Pickering C, Skinner H (2020). In vivo shRNA screening identifies synthetic cytotoxicity in CREBBP/EP300 mutated head and neck squamous cell carcinoma. Pre-print bioRxiv. <https://doi.org/10.1101/2020.04.10.028217>.
3. DeLong RK, Mitchell JA, Morris RT, Comer J, Hurst MN, Ghosh K, Wanekaya A, Mudge M, Schaeffer A, Washington LL, Risor-Marhanka A, Thomas S, Marroquin S, Lekey A, Smith JJ, Garrad R, Aryal S, **Abdelhakiem M**, Glaspell GP (2017). Enzyme and cancer cell selectivity of nanoparticles: Inhibition of 3-D metastatic phenotype and experimental melanoma by zinc oxide. *Journal of Biomedical Nanotechnology* 13:1–11
4. Kaf, W. A., **Abdelhakiem, M. K.**, Zahirsha, Z., & Lichtenhan, J. T. (2015). Ménière's Disease: Current and Potential New Objective Measures Using Electrocochleography. Perspectives on

Hearing and Hearing Disorders Research and Diagnostics, 19(2), 44.  
<http://doi.org/10.1044/hhd19.2.44>

5. Danesh, A., Kaf, W.A., **Abdelhakiem, M.K.**, Danesh, D. (2015). Auditory Manifestations and Intervention in Children with Autism Spectrum Disorders. *Austin Journal of Autism & Related Disabilities*, 1(1), 1005
6. Kaf, W. A., Masterson, C. G., Dion, N., Berg, S. L., & **Abdelhakiem, M. K.** (2013). Optimizing Otoscopy Competency in Audiology Students through Supplementary Otoscopy Training. *Journal of the American Academy of Audiology*, 24(9), 859–866. <http://doi.org/10.3766/jaaa.24.9.9>
7. Barber, S., **Abdelhakiem, M.**, Ghosh, K., Mitchell, L., Spidle, R., Jacobs, B., DeLong, R. K. (2011). Effects of Nanomaterials on Luciferase with Significant Protection and Increased Enzyme Activity Observed for Zinc Oxide Nanomaterials. *Journal of Nanoscience and Nanotechnology*, 11(12), 10309–10319. <http://doi.org/10.1166/jnn.2011.5013>

### Peer-Review Conference Presentations/Abstracts

#### Oral Presentation

1. **Abdelhakiem M**, Molkentine D, Molkentine J, Myers J, Ferris R, Pickering C, Skinner H. “Mutations in CASP8 and the histone acetyltransferases CREBBP and EP300 are associated with treatment failure in head and neck squamous cell carcinoma” submitted and accepted to 62<sup>nd</sup> annual American Society of Radiation Oncology (ASTRO) meeting for oral presentation (October 25-28, 2020).

#### Poster Presentation

1. **Abdelhakiem M**, Bao R, Ferris R, Pickering C, Skinner H. “Radiation treatment failure in head and neck cancer is associated with differential immune infiltrate” submitted and accepted to American Society of Clinical Oncology 2020 Annual Meeting (May 29-June 2, 2020)
2. **Abdelhakiem M**, Yang L, Xie T, Kumar M, Molkentine D, Sheth A, Frederick M, Myers J, Pickering C, Skinner H. “In vivo screening in HPV positive and HPV negative head and neck squamous cell carcinoma” submitted and accepted to American Association for Cancer Research 2020 Annual Meeting in San Diego, California (April 24-29, 2020)
3. **Abdelhakiem M**, Robbins J, Currey A. “Outcomes of Tomotherapy for advanced cutaneous scalp squamous cell carcinoma” submitted and accepted to ASTRO 2018 Multidisciplinary Head and Neck Cancers Symposium in Scottsdale, Arizona (February 15-17, 2018)
4. **Abdelhakiem M**, Robbins J, Wilson JF. “Management of squamous cell carcinoma of the scalp with bone involvement” submitted and accepted to the American Radium Society in Colorado Springs, CO (May 6-9, 2017)

5. **Abdelhakiem M**, Mitchell J, Mudge M, Carter R, Jones B, DeLong R. “Effects of nanomaterials on nucleic acids and the structure - activity of proteins” submitted and accepted to the 2<sup>nd</sup> International Conference of RNA Nanotechnology and Therapeutics in the University of Kentucky (April 3-5, 2013)
6. **Abdelhakiem M**, Barber S, Ghosh K, Mitchell L, Spidle R, Jacobs B, Washington L, Li J, Wanekaya A, Glaspell G, DeLong R. K. Accepted poster presentation of “Effects of Nanomaterials on Luciferase with Significant Protection and Increased Enzyme Activity Observed for Zinc Oxide Nanomaterials” submitted and accepted to the 5<sup>th</sup> International Meeting on Developments in Materials, Process and Applications of Emerging Technologies in Alvor, Portugal (June 2011)
  - a. Unable to attend due to financial and travel visa reasons

### **Non Peer-Review Conference Presentations**

1. G. Rahhal, **M. Abdelhakiem**, H. Yacoubain, E. Atallah. Identifying risk factors for first-time hookah use and health perceptions across university students in Lebanon. ITP Project Fair, Medical College of Wisconsin (September 1, 2016)
2. W.A. Kaf, H. Al Garras, and **M. Abdelhakiem** (2012). “Primer on working with Muslim students, faculty members, and clients.” Invited poster presentation at the Council of Academic Programs in Communication Sciences and Disorders (CAPCSD) Global Summit in Higher Education, Newport Beach, CA (April 18-21, 2012)
3. **M. Abdelhakiem**, Joe McGreevy, John Dean (2012). “The Use of Nanomaterials as Delivery Vehicles for Therapeutic Nucleic Acids.” College of Health and Human Services Research Symposium (April 12, 2012)
4. **M. Abdelhakiem**, S. Barber, K. Ghosh, L. Mitchell, R. Spidle, B. Jacobs, L. Washington, J. Li, A. Wanekaya, G. Glaspell, and R. K. DeLong (2011). “Effects of Nanomaterials on Luciferase with Significant Protection and Increased Enzyme Activity Observed for Zinc Oxide Nanomaterials.” College of Health and Human Services Research Symposium (April 14, 2011)

### **Current Research in Progress**

- HPV positive and negative head and neck squamous cell carcinoma and the effects of immune infiltrate on outcomes and response to radiation therapy (2020)

### **INVITED and COORDINATED LECTURES**

- 08/2013-05/2018 Global Health Organization at Medical College of Wisconsin
- 4/2014 Global Health Session on Ebola with invited guest speaker Dr. Jay Varkey of Emory University
  - 08/2014-06/2018 Planned and spoke at multiple Global Health Organization events

- 08/2014-06/2018 Invited to speak by Dr. Stephen Hargarten, Global Health Associate Dean at MCW, for incoming medical students

08/2014-05/2015 Physicians in Medical Practice at Medical College of Wisconsin

- Planned and spoke at multiple events for medical students

02/2011-11/2011 Multiple public speaking engagements on the Arab Spring revolutions, Egypt, and Middle East on Missouri State University campus

- 11/8/2011 “A Muslim Student Panel: Understanding Islam” at Missouri State University
- 10/21/2011 “Arab Spring Revolutions” at the Assemblies of God Theological Seminary, Springfield, MO
- 2/26/2011 “Towards Understanding Islam” – presentation by Yusuf Estes at Missouri State University

## WORK EXPERIENCE

10/2019-current Post-Doctoral Associate, Dr. Skinner Lab, UPMC Hillman Cancer Center, Pittsburgh, PA

08/2010-05/2011 Dr. Rehana Lovely’s laboratory, Biomedical Sciences Department, Missouri State University

## TEACHING EXPERIENCE

08/2011-05/2013 Department Mentor, Biomedical Sciences Department, Missouri State University

08/2011-05/2013 Research Mentor, Dr. Robert DeLong, Missouri State University

## VOLUNTEER EXPERIENCE

08/2013-05/2018 Volunteer at the Pan African Community Center in Milwaukee, WI

01/2014-06/2014 Big Sib/Little Sib mentor, Medical College of Wisconsin

05/2010-08/2014 International community service events in Egypt:

- 05-08/2010, 05-08/2011 – Tutored middle school to high school students in math, English, science, and computers at various learning centers in Zagazig and Sohag cities
- 05-08/2009, 05/08/2010 – Coached soccer team for 7-10 years old in Zagazig and Sohag cities
- May-August of 2010-14 – 100+ hours clinical volunteering at:
  - National Cancer Institute, Cairo, Egypt
  - Assiut University Hospitals, Assiut, Egypt
  - Zagazig University Hospital, Zagazig, Egypt
  - Sohag University Hospital, Sohag, Egypt

## **INTERESTS and HOBBIES**

Language fluency – fluent in both Arabic and English

Competitive soccer

- 2/2009-5/2018 Intramural soccer at Missouri State University and Medical College of Wisconsin
- 1/2000-9/2000 Travel soccer league, Pittsburgh, PA

Computer hardware and software, sports, anthropology, reading, and cooking