

**CURRICULUM VITAE**  
**YOUSSEF ZEIDAN, M.D., Ph.D.**

**I. Personal**

2. *Name: Youssef Zeidan*
4. *Office Phone: not assigned yet*
5. *Address: 1475 NW 12<sup>th</sup> Avenue, Suite 1500, Miami, FL 33136*
6. *Current Academic Rank: Assistant Prof*
- 6A. *Current Track of Appointment: Tenure-earning track*
7. *Primary Department: Radiation Oncology*
8. *Secondary or Joint Appointment: none*

**Clinical Interests**

Breast Cancer

**Research Interests**

Sphingolipids in Radiation Responses

**II. Higher Education**

11. *Institutional: (institution; degree; date conferred)*

|             |   |
|-------------|---|
| 09-01/05-03 | <b>Bachelor of Science</b>  |
|             | American University of Beirut   |
|             | Beirut, Lebanon   |
| 09-03/03-07 | <b>Doctor of Philosophy</b> (Molecular and Cellular Biology and Pathobiology) |
|             | Medical Scientist Training Program  |
|             | Medical University of South Carolina  |
|             | Charleston, South Carolina  |

03-07/05-09

**Doctor of Medicine**

Medical Scientist Training Program

Medical University of South Carolina

Charleston, South Carolina

07-10/07-14

**Residency**

Stanford University School of Medicine

Department of Radiation Oncology

Stanford, California

*12. Non-Institutional: (description; dates)*

07-09/07-10

**Internship**

Indiana University School of Medicine

Indianapolis, Indiana

*13. Certification and Licensure: (description; board or agency; dates)*

06-10/ Current                    Medical Board of California

05-14/ Current                    Medical Board of Florida

**III. Experience**

*14. Academic:*

07-13/07-14                    Chief Resident  
                                    Deparment of Radiation Oncology,  
                                    Stanford Cancer Center

*15. Hospital Appointments: (institutions, dates)*

Stanford Hospital and Clinics,

Stanford, CA

07-10/07-14

Sylvester Comprehensive Cancer Center/  
University of Miami Hospital and Clinics  
Miami, FL  
10-14/Present

Jackson Memorial Medical Center  
Miami, FL  
07-14/ Present

University of Miami Hospital  
Miami, FL  
10-14/Present

#### IV. Publications

##### 18. Books and Monographs Published:

1. **Zeidan Youssef**, Marchesini Norma and Hannun Yusuf. "Overview of Acid and Neutral Sphingomyelinases in Cell Regulation" Book chapter in "Sphingolipid Biology". Edited by Hirabayashi, Yoshio; Igarashi, Yasuyuki; Merrill, Alfred H. Jr. Springer August 2006 .
2. Liu Xiang, Elojeimy Saeed, Turner Lorianne S, Mahdy Ayman EM, **Zeidan Youssef**, Bielawska Alicja, Bielawski Jacek, Dong Jian-Yun, El-Zawahry Ahmed M, Guo Gui-wen, Hannun Yusuf A, Holman David H, Rubinchik Semyon, Szulc Zdzislaw, Tavassoli Mahvash, Norris James S. Implementation of acid ceramidase inhibitors as adjuncts to increase the efficacy of cancer therapy.. In: Gene Therapy, Edited by: Ochiai T, Shimada H, Tagawa M. Medical View, Co., Ltd., Chiba Japan, pps. 58-65, 2007

##### Selected Abstracts:

##### 19. Juried or Refereed Journal Articles or Exhibitions:

1. **Zeidan YH**, Pettus B. J., Elojeimy S., Taha T., Obeid L. M., Kawamori T., Norris J. S., and Hannun Y. A. (2006) Acid ceramidase but not acid sphingomyelinase is required for tumor necrosis factor-{alpha}-induced PGE2 production. *J Biol Chem* 281, 24695-24703.
2. Liu X., **Zeidan Y H**, Elojeimy S., Holman D. H., El-Zawahry A. M., Guo G. W., Bielawska A., Bielawski J., Szulc Z., Rubinchik S., Dong J. Y., Keane T. E., Tavassoli M., Hannun Y. A., and Norris J. S. (2006) Involvement of sphingolipids in apotin-induced cell killing. *Molecular Therapy* 14, 627-636.
3. Elojeimy S., Holman D. H., Liu X., El-Zawahry A., Villani M., Cheng J. C., Mahdy A., **Zeidan Y.**, Bielawska A., Hannun Y. A., and Norris J. S. (2006) New insights on the use of desipramine as an inhibitor for acid ceramidase. *FEBS Letters* 580, 4751-4756
4. Kitagaki H, Cowart LA, Matmati N, Vaena de Avalos S, Novgorodov SA, **Zeidan YH**, Bielawski J, Obeid LM, Hannun YA. Isc1 regulates sphingolipid metabolism in yeast mitochondria. *Biochim Biophys Acta*. 2007. Nov; 1768 (11): 2849-61.
5. **Zeidan YH** and Hannun YA: Activation of acid sphingomyelinase by PKC -mediated phosphorylation. *J Biol Chem* 2007, 282(15):11549-11561.
6. **Zeidan YH** and Hannun YA "Translational Aspects in Sphingolipid Research" *Trends in Molecular Medicine*. Aug;13(8):327-36, 2007.
7. **Zeidan YH**, Obeid LM and Hannun YA "A Novel Role for PKC $\delta$ -mediated phosphorylation of ASMase in UV-Induced Mitochondrial Injury". *FASEB Journal*. 2008 Jan;22(1):183-93.
8. Holman DH, Turner LS, El-Zawahry A, Elojeimy S, Liu X, Bielawski J, Szulc ZM, Norris K, **Zeidan YH**, Hannun YA, Bielawska A, Norris JS. Lysosomotropic acid ceramidase inhibitor induces apoptosis in prostate cancer cells. *Cancer Chemother Pharmacol*. 2008 Feb;61(2):231-42.

9. Liu X, Elojemy S, Turner LS, Mahdy AE, **Zeidan YH**, Bielawska A, Bielawski J, Dong JY, El-Zawahry AM, Guo GW, Hannun YA, Holman DH, Rubinchik S, Szulc Z, Keane TE, Tavassoli M, Norris JS. Acid ceramidase inhibition: a novel target for cancer therapy. *Frontiers in Bioscience*. 2008 Jan 1;13:2293-8.
10. **Zeidan YH**, Jenkins RW and Hannun YA "Remodeling of Cellular Cytoskeleton by the Acid Sphingomyelinase/Ceramide Pathway. *J Cell Biol*. 2008 Apr 21;181(2):335-50, 2008.
11. **Zeidan YH**, Jenkins RW, Korman JB, Liu X, Obeid LM, Norris JS, Hannun YA. Molecular Targeting of Acid Ceramidase: Implications to Cancer Therapy. *Current Drug Targets*, 2008 Aug; 9(8):653-61.
12. Chudakova D, **Zeidan YH**, Wheeler B, Yu J, Novgorodov SA, Kindy MS, Hannun YA, and Gudz TI. Integrin Associated Lyn Kinase Promotes Survival by Suppressing Acid Sphingomyelinase Activity. *J Biol Chem* 2008 Oct 24;283 (43):28806-16.
13. Jin J, Hou Q, Mullen TD, **Zeidan YH**, Bielawski J, Kraveka JM, Bielawska A, Obeid LM, Hannun YA, and Hsu YT. Ceramide generated by sphingomyelin hydrolysis and the salvage pathway is involved in hypoxia /reoxygenation-induced Bax redistribution to mitochondria in NT-2 cells. *J Biol Chem* 2008 Sep 26;283(39):26509-17.
14. Nahas Z, Jiang Y, **Zeidan YH**, Bielawska A, Szulc Z, Devane L, Kalivas P, Hannun YA. Anti-ceramidase LCL385 acutely reduces BCL-2 expression in the hippocampus but is not associated with an increase of learned helplessness in rats. *Behavioural Brain Research* , 2009 Jan 30;197(1):41-4.
15. Yu H, **Zeidan YH**, Wu BX, Flotte T, Jenkins RW, Hannun YA and Virella-Lowell I. Defective acid sphingomyelinase pathway with pseudomonas aeruginosa infection in cystic fibrosis. *Am J Respir Cell Mol Biol*, 2009 Sep; 41(3):367-75.
16. Wu BX, **Zeidan YH** and Hannun YA Downregulation of Neutral Ceramidase by Gemcitabine: Implications for Cell Cycle Regulation. *Biochim Biophys Acta*, 2009 Aug; 1791(8):730-9.
17. **Zeidan YH** and Hannun YA. The Acid Sphingomyelinase/Ceramide Pathway: Biomedical Significance and Mechanisms of Regulation. *Current Molecular Medicine*, 2010 Jul;10(5):454-66.
18. **Zeidan YH**, Zauls JA, Bilic M, Lentsch EJ, and Sharma AK. Eccrine Porocarcinoma with Metastasis to the Parotid Gland: Treatment with Intensity-Modulated Radiation Therapy. Case Report, *Journal of Medical Case Reports*, 2010 May 22;4:147.
19. **Zeidan YH**, Shiue K, Weed D, Johnstone PA, Freeman S, Krowiak E, Borrowdale R, Huntley T, Yeh A Intraoperative Radiation Therapy for Advanced Cervical Metastasis: A Single Institution Experience. *Radiat Oncol*. 2011 Jun 15;6:72.
20. **Zeidan YH**, Shiue K, Weed D, Johnstone PA, Freeman S, Krowiak E, Borrowdale R, Huntley T, Yeh A Intraoperative Radiation Therapy for Parotid Cancer: A Single Institution Experience *Int J Radiat Oncol Biol Phys*. 2012 Apr 1;82(5):1831-6.
21. **Zeidan YH**, Shultz DB, Murphy JD, An Y, Chan Cato, Kaplan MJ , Colevas AD, Kong C, Chang DT, and Le QT. Long Term Outcomes of Surgery followed by Radiation Therapy for Minor Salivary Gland Carcinomas of the Head and Neck. *Laryngoscope*. 2013 Nov;123(11):2675-80.
22. Tello TL, **Zeidan YH** , Bush K, Schwartz E, Kunz P, and Chang DT. Penile Metastases Originating from a Pancreatic Primary Tumor: A Case Report. TL Tello, YH Zeidan, K Bush, E Schwartz, P Kunz, DT Chang

Journal of Radiation Oncology. 2013, 2 (1), 107-112.

23. Shultz, D. B., **Zeidan, Y. H.**, Murphy, J. D., Hara, W., Kaplan, M. J., Le, Q. T., & Chang, D. T. (2014). Radiotherapy for adenoid cystic carcinomas of the head and neck: clinical outcomes and patterns of failure. *Journal of radiation oncology*, 3(1), 49-56.
24. Mattes, M. D., Kharofa, J., **Zeidan, Y. H.**, Tung, K., Gondi, V., & Golden, D. W. (2014). Results of the 2012-2013 Association of Residents in Radiation Oncology (ARRO) Job Search and Career Planning Survey of Graduating Residents in the United States. *International Journal of Radiation Oncology\* Biology\* Physics*, 88(1), 25-32.

#### 20. Other Works, Publications and Abstracts:

1. **Zeidan Y**, N. Xiao, H. Cao, C. Kong, , Q. Le and D. Sirjani. Botulinum Toxin Injection Confers Radioprotection In Murine Salivary Glands ASTRO 55th annual meeting, September 2013, Atlanta, Georgia.
2. **Zeidan Y**, Y. An, L. Pekelis, C. Kong and Q. Le. Survival Benefit for Adjuvant Radiation Therapy in Minor Salivary Gland Tumors. ASTRO 2014 Multidisciplinary Head and Neck Cancer Symposium, Phoenix, Arizona, February 2014 (submitted).
3. Z. Wang , C. Chan, L. Wang, E. Mok, **Zeidan Y**, N. Lee-Enriquez , L. Xing, W. Hara and Q. Le . Prospective Analysis of Measured Oral Mucosal Dose and Oral Mucositis (OM) in Head and Neck Cancer (HNC) Patients During IMRT. ASTRO 55th annual meeting, September 2013, Atlanta, Georgia.
4. **Zeidan Y**, J. D. Murphy, C. Chan, Y. An, M. Kaplan, A. Colevas, C. Kong, Q. Le. Postoperative Radiation Therapy for Minor Salivary Glands Carcinomas of the Head and Neck: Long Term Outcomes. ASTRO 54th annual meeting , October 2012, Boston, Massachusetts.
5. **Zeidan YH**, Shiue K, Weed D, Johnstone PA, Freeman S, Krowiak E, Borrowdale R, Huntley T, Yeh A Intraoperative Radiation Therapy for Parotid Cancer: A Single Institution Experience. Radiological Society of North America, December 2010, Chicago, IL.
6. **Zeidan Y**, Benjamin Pettus, Toshihiko Kawamori, Tarek Taha, Saeed Elojeimy, Kazuyuki Kitatani, James Norris, Lina Obeid and Yusuf Hannun. Acid Ceramidase but not Acid Sphingomyelinase is required for TNF- $\alpha$  Induced PGE<sub>2</sub> Production. 40<sup>th</sup> Southeastern Regional Lipid Conference. Nov 2-4, 2005. Cashiers, NC.
7. **Zeidan Y** , Norma Marchesini, Patrick Roddy, Lina Obeid and Yusuf Hannun. Activation of Acid Sphingomyelinase by Phorbol Ester: Dependence on PKC. FEBS Advaced Course. "Lipid-Protein Interaction in Signaling and Membrane Traffic". 10-15 June 2005. Chieti, Italy.
8. **Zeidan Y** and Yusuf A Hannun. Activation of Acid Sphingomyelinase by PKC $\delta$ -Mediated Phosphorylation. Fourth International Charleston Ceramide Conference. Pacific Grove, CA, Mar 7-11, 2007.
9. **Zeidan Y**, Hong Yu, Yusuf Hannun and Isabel Virella-Lowell. Loss of Acid Sphingomyelinase Induction by Pseudomonas aeruginosa in Cystic Fibrosis. 30<sup>th</sup> European Cystic Fibrosis Conference. Belek, Turkey June 2007.

#### V. Professional

**22. Funded Research Performed: (include all grants received in the last five years, identifying the principal investigator, and the amounts and dates of the awards)**

Cystic Fibrosis Research, Inc., New Horizons Research Campaign Grant, "Loss of Acid Sphingomyelinase Induction by *Pseudomonas aeruginosa* in Cystic Fibrosis." Total: \$66,000, 2007-2008.

**23. Editorial Responsibilities: [with inclusive dates]**

Reviewer, Critical Reviews in Oncology, 2012-Current.

Reviewer, *Context*, The Journal of Health Students Taking Action Together, 2008-2009.

Reviewer, *Journal of Medical Case Reports* 20011-Current.

**24. Professional and Honorary Organizations: (member; officer; date) [inclusive dates]**

Member, American Society for Radiation Oncology (ASTRO)

Member, Gold Humanism Honor Society

Member, American College of Radiology (ACR)

Member, American College of Radiation Oncology (ACRO)

Member, Radiological Society of North America (RSNA)

**25. Honors and Awards: [with dates]**

1. ASTRO 55<sup>th</sup> Annual Meeting Resident Abstract Award , September 2013, Atlanta, GA.
2. ASTRO-ARRO Global Health Scholar Award, March 2013.
3. Radiological Society of North America, Trainee Research Prize, December 2010, Chicago, IL.
4. MUSC College of Graduate Studies, Distinguished Graduate Student Award, May 2009.
5. Gold Humanism Honor Society Award, July 2008.
6. Travel Award : Days of Molecular Medicine Symposium, *Human Genetics, Stem Cells and Physiology: The Future of Individualized Medicine*. May 2009, Boston, MA.
7. Interprofessional Collaborative Research Award. Medical University of South Carolina, Perry V. Halushka Student Research Day. November 2007.
8. Travel Award to Fourth International Charleston Ceramide Conference. Carmel, California March 2007.
9. American Federation for Medical Research (AFMR) Student Research Award, Southern Regional Meeting. New Orleans 2007.
10. NIH travel award to 41<sup>st</sup> Southeastern Regional Lipid Conference (SERLC). Nov 1-3, 2006. Cashiers, NC.
11. Cayman Chemicals Travel Award. FEBS Conference: Lipid-protein interaction in signaling and. membrane traffic, Chieti, Italy 2005.
12. Medical Dean's Honor List, years: 2001 -2002/ 2002-2003.

*27. Other Professional Activities:*

PROVISIONAL APPLICATION FOR UNITED STATES LETTERS PATENT For : Sphingomyelinase mutants for treatment of disease. Yusuf A. Hannun, Russell W. Jenkins, and Youssef H. Zeidan. Aug 2011.

## **VII. Service**

*31. University Committee and Administrative Responsibilities: [with inclusive dates]*

Association of Residents in Radiation Oncology (ARRO) educational subcommittee, 2011-2014.

*32. Community Activities:*

Promoting Prostate Cancer Awareness in Rural Bamberg, SC. "Prostate Cancer: Know more and Stick Around for Your Family" - April 2008.