

## KHALIL CHAMSEDDIN

### EDUCATION

UT Southwestern Medical Center, Dallas, TX <b>Doctor of Medicine</b>	<b>2016</b>
Southern Methodist University, Dallas, TX <b>B.S. Biology</b>	<b>2012</b>
Minor: Chemistry Honors Thesis: "Epigenetic Inheritance of Long-lived Phenotypes" GPA: 3.91	

### AWARDS

<i>Summa Cum Laude</i> , SMU	Spring 2012
Senior Excellence in Biological Research Award, SMU	Spring 2012
Honorable Mention Undergraduate Research, SMU	Spring 2011
Hamilton Undergraduate Research Scholar, SMU	2010 – 2011
Whitfield Family Scholarship, SMU	2010 – 2011
Honor Roll with Distinction, SMU	2009 – 2010
Honor Roll with High Distinction, SMU	2008 – 2009
Weldon Brigance Scholarship Fund, SMU	2009 – 2010
Minnie L Maffett Scholarship, SMU	Fall 2009
Distinguished Scholar Scholarship	2008 – 2012
Rotunda Award Scholarship	2008 – 2012

### RESEARCH EXPERIENCE

The Bauer Lab, SMU, Dallas, TX <b>Undergraduate Research Student</b> , 60 hours a month	<b>January 2009-May 2012</b>
<ul style="list-style-type: none"><li>Worked on <i>Drosophila</i> as a model for studying aging mechanisms and dietary influences on phenotypes.</li><li>Experiments consisted of feeding fruit flies various dietary conditions and quantitatively measuring various phenotypes</li><li>Gained solid foundation into basic science research including, planning, performing and analyzing results. Additionally gain experience in writing manuscripts. Learn various wet lab techniques including running a GCMS and protein extractions from <i>Drosophila</i>.</li></ul>	

### PUBLICATIONS AND POSTERS

#### ***takeout-dependent longevity is associated with altered Juvenile Hormone signaling***

Khalil H. Chamseddin, Sabina Q. Khan, Mai L.H. Nguyen, Michael Antosh, Siti Nur Sarah Morris, Santharam Kolli, Nicola Nerettim Stephen L. Hefland, Johannes H. Bauer. *Mechanisms of Ageing and Development*, August 29 2012

#### ***Development of diet-induced insulin resistance in adult Drosophila melanogaster***

Siti Nur Sarah Morris, Claire Coogan, Khalil Chamseddin, Sun Ok Fernandez-Kim, Santharam Kolli, Jeffery N. Keller, Johannes H. Bauer *Biochimica et Biophysica Acta –Molecular Basis of Disease* Volume 1822, Issue 8, August 2012 pages 1230-1237

*“Epigenetic Inheritance of Longevity”*

Poster presentation at SMU Graduate Research Fair, Dallas, TX

**2012***“Phenotypic characterization of long-lived Drosophila melanogaster overexpressing the novel longevity gene takeout”*

Poster presentation at SMU Graduate Research Fair, Dallas, TX

**2011**

## MEDICAL RELATED EXPERIENCE

Union Gospel Mission, Center of Hope and Calvert Place, Dallas, TX

**Volunteer**, 3 hours a month**2013- Present**

- Provide healthcare for the local community.
- Practice history and physicals and fine-tune communication skills. Gained knowledge in clinical pathologies and treatments.

North Dallas Shared Ministries, The Monday Clinic, Dallas, TX

**Volunteer**, 8 hours a month**Fall 2012 –Present**

- Provide free healthcare for the local community.
- Work with a team of medical students and an attending physician to diagnose and treat patients.
- Gain experience writing medical notes, and practiced using *PracticeFusion* electronic medical records.

Parkland Hospital, Emergency Room, Dallas, TX

**Volunteer**, 12 hours a month**Spring 2009 – May 2012**

- Changed sheets on hospital beds,
- Assisted in patient transfers,
- Observed emergency room processing, gain insight into medical teamwork

## TEACHING EXPERIENCE

**Teaching Assistant to Professor Carroll Harrod, Introduction to Biology Lab****2012**

- Led two Lab sections with 25 students each provided introductory lectures at beginning of class.
- Performed lab demonstrations, graded exams, assisted in curriculum development. Six hours a week
- Improved leadership skills while aiding students understand the material and reasons behind various lab techniques.

**The Tutoring Place, Dallas, TX****Tutor**, 20 hours a month**2011 – 2012**

- Provided private tutoring for local high school students in physics, chemistry, biology and math.
- Established group review sessions prior to exam weeks. Provided helpful study guides for students.

## OTHER EXPERIENCE

Pacific Sunwear, Dallas, TX

**Stockroom Associate****May 2011 – August 2011**

- Managed and maintained stock room.
- Managed merchandise flow onto the sales floor.

- Established and implemented new system for processing new clothes to improve product movement. Efficiently began an “assembly line” fashion for processing which also improved payroll.

SMU Intramural Sports, Dallas, TX

**Referee  
2009**

**November 2008 – March**

- Managed and regulated the intramural games.
- Enforced game rules and created a safe playing environment. Assisted in running tournaments and improved the referee training program.
- Learned how to manage a large group of people, improved leadership skills by running each game.

Aeropostale, Grapevine, TX

**Cashier Specialist  
2008**

**May 2008 – Augusts**

- Counted deposits at the end of the day, authorized returns, train new employees on the registers.
- Maintained efficiency at the cash registers
- Gained managerial skills in administrating tasks and prioritizing needs

COMMUNITY INVOLVEMENT

United to Serve, Dallas, TX

**Booth Coordinator, 4 hours a month  
2013**

**January 2013- April**

- Manage a booth to provide information and activities for children.
- Educate the local community pertaining to pressing health issues. Provide awareness for maintaining a healthy lifestyle.

Beta Theta Pi Philanthropy, Dallas, TX

**Philanthropy Cabinet Member, 10 hours a month**

**January 2009- May 2012**

- Organized philanthropic events for the SPCA, Relay for Life and local charities including Habitat for Humanity and North Texas Food Bank.
- Valued importance of helping underprivileged communities as well as raising awareness for various causes.

Beta Theta Pi, Dallas, TX

**Intrafraternity Council Representative, 8 hours a month**

**January 2010- May 2011**

- Collaborated with other fraternity representatives to create bylaws for fraternity conduct.
- Acted as a liaison between the university administration and the Greek system.

Beta Theta Pi Academics, Dallas, TX

**Academic Chair, 8 hours a month**

**January 2011-May 2011**

- Responsible for maintaining high average GPA, set up study hours and offered study sessions with pre-medical classmates.
- Aided peers and pushed classmates to perform better in class, while in turn improving my own study habits.

Vickery Meadows, Dallas, TX

**Volunteer, 12 hours months**

**January 2011- May 2011**

- Organized afterschool activities for a refugee community in Dallas. Lead a group of kids to daily activities including English lessons, arts and outdoor exercises.

Middle Eastern Student Association, SMU, Dallas, TX

**Volunteer Coordinator**

**January 2009- May 2009**

- Spread culture awareness through volunteer activities and multicultural fairs.
- Participate in Habitat for humanity, enriched the student body by teaching students of the culture.

SKILLS

Basic Life Support- CPR and AED certified  
Macintosh and Microsoft Windows application fluency

LANGUAGES

English  
French- conversational read and write with basic competence  
Arabic- conversational

PROFESSIONAL AFFILIATIONS

American Medical Association  
Texas Medical Association  
Beta Theta Pi  
Alpha Epsilon Delta

[Trey Research, Raleigh, NC]

**[User Interface Design Consultant]**

**[Pick the Year]**

[Provided content design feedback to program managers to create accessible segue between English and French versions of related content.]