

# Skyler L. Kanegi

## EDUCATION

- 07/2019 – **The University of Texas Health Science Center at San Antonio**  
Doctor of Medicine
- 08/2008 – 05/2012 **The University of Texas at Austin**  
Bachelor of Arts, Psychology  
Bachelor of Business Administration, Corporate Finance

## PROJECTS

- 04/2021 – **Distinction in Medical Humanities** (conditional acceptance)  
Advisor: Rachel Pearson, MD, PhD, Assistant Professor  
Work on project: 10hrs
- Analyzed literature and studies on physician power and privilege
  - Explored medical student experience of patient-physician power dynamics through creative writing
- 02/2020 – **Distinction in Research** (pending)  
Advisor: Armen Akopian, PhD, Professor  
Work in lab: 535hrs
- Designed and validated model for sleep deprivation-triggered migraine
  - Conducted experiments into mechanisms and hormone regulation of migraine
  - Mastered rodent handling, periorbital von Frey filament measurement, locomotor activity monitoring, experimental drug dosing, IP/IM injections, perfusion, dura dissection, RNA isolation, PCR genotyping

## PUBLICATIONS

1. Seifi A\*, Bahadori M, Gheibi Z, **Kanegi SL**, Mirahmadizadeh A. Hospital Outcome of Uninsured Patients with Disease and Disorders of Nervous System: A National Cohort Study During a Decade in the United States. *Cureus*. 2021;13(3): e13702. [doi:10.7759/cureus.13702](https://doi.org/10.7759/cureus.13702)

\* Principal Investigator

## PRESENTATIONS

1. **Kanegi SL**, Akopian AN\*. Artificial Light-Triggered Sleep Deprivation May Lead to Allodynia in Rodent Model. Poster presentation at: 35th Annual SLEEP Meeting; June 10-13, 2021; Seattle, WA. [doi:10.1093/sleep/zsab072.110](https://doi.org/10.1093/sleep/zsab072.110)
2. **Kanegi SL**, Akopian AN\*. Development and Characterization of Light-Triggered Sleep-Deprivation Preclinical Migraine Model in Females and Males. Oral presentation at: 2021 American Academy of Neurology Annual Meeting; April 21, 2021; San Francisco, CA.

3. **Kanegi SL**, Akopian AN\*. Development and Characterization of Light-Triggered Sleep-Deprivation Preclinical Migraine Model in Females and Males. Oral presentation at: Annual School of Dentistry Research and Clinical Symposium; April 10, 2021; San Antonio, TX.
4. **Kanegi SL**, Akopian AN\*. Development and Characterization of Light-Triggered Sleep-Deprivation Preclinical Migraine Model in Females and Males. Poster presentation at: Long School of Medicine Research Week; April 5-9, 2021; San Antonio, TX.
5. **Kanegi SL**, Akopian AN\*. Development and Characterization of Light-Triggered Sleep-Deprivation Preclinical Migraine Model in Females and Males. Poster presentation at: 17th Asian Oceanian Congress of Neurology/8th Asian Regional Conference of Headache; April 1-4, 2021; Taipei, Taiwan.
6. **Kanegi SL**, Swopes CN, Quirarte J, Johnston WD, Seiber J, Romero K, Etheridge THA, Maia M, Evangelista IN, Martin Sweet L, Medina-Ancira DP, Cantu C, Habashi M, Bowen E, Kornswad K, Kosub KY\*, Morrow J. Virtual Student-Patient Social Interactions >15 Minutes May Benefit Interdisciplinary Student Education During the COVID-19 Pandemic. Poster presentation at: "One Year with COVID-19: Research, Responses, and Reflections of Texas Medical Schools" Symposium; March 6, 2021; San Antonio, TX.
7. **Kanegi S**, Seiber J, Swopes C, Quirarte J, Johnston W, Romero K, Etheridge T, Maia M, Evangelista I, Martin Sweet L, Medina-Ancira D, Cantu C, Habashi M, Bowen E, Kornswad K, Kosub K\*, Morrow J. Two's Company: Interdisciplinary Lessons in Empathic Listening to Hospital Patients. Poster presentation at: 14th Annual Community Service Learning Conference; February 6, 2021; San Antonio, TX.
8. Seifi A\*, **Kanegi SL**, Bahadori M, Gheibi Z, Mirahmadizadeh A. Evaluation [Hospital Outcome] of Uninsured Patients with Disease and Disorders of Nervous System: A National Cohort Study During a Decade in the United States. Poster presentation at: Brown University 3rd Annual Student Neurosurgery/Neurology Research Conference; January 9, 2021; Providence, RI.
9. **Kanegi SL**, Akopian AN\*. Development and Characterization of Light-Triggered Sleep-Deprivation Preclinical Migraine Model in Females and Males. Oral presentation at: 2020 Scottsdale Headache Symposium; November 21, 2020; Scottsdale, AZ.

\* Principal Investigator

## **GRANTS**

- |                   |  |
|-------------------|--|
| 06/2021 – 08/2022 | Sex Dependency in Sleep Deprivation-Induced Migraine-Like Behavior; American Academy of Neurology Medical Student Research Scholarship; \$3,000; Investigator. Awarded.                    |
| 03/2021 – 09/2021 | Evaluation of Dietary Contribution to Healthy Lifestyle in San Antonio Indian Community; UT Health San Antonio Community Service Learning Mini-Grant Program; \$290; Investigator. Funded. |

09/2020 – 02/2021 Two's Company: Interdisciplinary Lessons in Empathic Listening to Hospital Patients; UT Health San Antonio Community Service Learning Midi-Grant Program; \$1,190; Investigator. Funded.

## **AWARDS**

04/2021 **Alumni Association Merit Award, UT Health San Antonio Long School of Medicine**

- Awarded to 2 of 200+ second-year medical students for exemplary service to community
- Full award value (\$1000) was donated to student solidarity fund to assist disadvantaged medical students in financial need

04/2021 **Medical Student Scholarship to the Annual Meeting, American Academy of Neurology**

- One of 60 medical students awarded full scholarship to annual meeting in recognition of exceptional leadership in Student Interest Group in Neurology

11/2020 **Frontiers in Headache Research Award, American Headache Society**

- Top 3 of 10 finalists, selected for oral presentation at Scottsdale Headache Symposium
- This award is traditionally presented to residents and headache fellows

09/2013 **Distinguished Toastmaster Award, Toastmasters International**

- Awarded after giving 60+ public speeches and serving in volunteer leadership roles in Toastmasters International for 1.5 years
- Youngest Distinguished Toastmaster in the world from September to December 2013

04/2012 **First Place, Undergraduate Challenge Case Competition, Macy's**

- Led four-person team that proposed new marketing strategy for millennial demographic
- Selected by Macy's executives as top proposal at UT Austin

12/2011 **First Place, Brandstorm Case Competition, L'Oréal**

- Led three-person team that proposed new beauty product to address key problem
- Selected by L'Oréal executives as top proposal at UT Austin

05/2011 **First Place, Capital One Case Competition, Capital One Financial Services**

- Led three-person team that proposed new business product to address key problem
- Selected by Capital One executives as top proposal from 100+ national submissions

04/2011 **First Place, McCombs School of Business Case Competition, The University of Texas at Austin**

- Part of four-person team that identified marketing challenge for General Motors (GM)
- Selected by GM executives as top proposal from 25+ submissions

10/2009 **First Place, Student Consulting Initiative Competition, The University of Texas at Austin**

- Led four-person team that advised local entrepreneur on strategy, finance, marketing
- Selected by consulting managers as best consulting project execution at UT Austin

**LEADERSHIP & SERVICE EXPERIENCE**

03/2021 – **Student Advisory Council, Center for Medical Humanities and Ethics, San Antonio, TX**

06/2021 **Volunteer, American Migraine Foundation, Mount Royal, NJ**

- Synthesized current migraine research into patient education materials

03/2021 **Advocate, Headache on the Hill, Washington, DC**

- Met with seven Congressional offices as part of five-person advocate team
- Responsible for four out of 99 [signatures](#) on appropriations requests to double NIH headache research funding and veteran Headache Centers of Excellence

07/2020 – 01/2021 **President & Co-Founder, Two's Company Program, San Antonio, TX**  
Student volunteer program teaching empathy through social interactions with isolated hospital patients

- Led interdisciplinary team of 12 students in establishing operating procedures, volunteer training, student sign-up process, research for student organization
- Obtained approval from hospital administration to launch pilot in <60 days
- Trained students on demonstrating empathy in patient interactions

02/2020 – 01/2021 **VP, Student Interest Group in Neurology, San Antonio, TX**

- Established member distribution list, shadowing program, monthly journal club
- Launched international journal club in collaboration with four other universities
- Led five medical students in developing neurology [outreach activity](#) for 15+ high school students

02/2020 – 01/2021 **VP of Finance, Student-Faculty Collaborative Practice, San Antonio, TX**  
Collaborative interdisciplinary student-run primary and dermatological clinics for underserved patients

- Managed patient diagnosis, treatment, charting under clinician supervision
- Established accounting system to track financial expenditures across clinics
- Created virtual fundraising activity to raise awareness of clinics and deliver kind messages to colleagues during COVID-19 pandemic

07/2018 – 07/2019 **Counselor, Crisis Text Line, Dallas, TX**

- Completed 36-hour training on verbally supporting people in crisis
- Provided emotional support to individuals experiencing heightened states including break-ups, substance intoxication, suicidal ideation

06/2016 – 12/2018 **Medical Volunteer, Agape Clinic, Dallas, TX**

- Scribed for internal medicine providers in clinic
- Checked vitals and fasting glucose on 500+ patients
- Developed patient/visit reporting package for internal planning, grant proposals, donor updates

## **TEACHING EXPERIENCE**

08–12/2018 **Undergraduate Teaching Assistant, The University of Texas at Dallas, Dallas, TX**

Course: Introductory Molecular Biology, John Burr, PhD

- Developed course review content, taught weekly workshops of 40 students
- Led course TAs in comprehensive exam review sessions for 200+ students
- Created practice exams and study materials for 200+ students
- Tutored two underperforming students to improve their exam performance

10/2011 – 05/2016 **Lecturer, Junior Achievement, Dallas, TX**

- Led interactive activities on budgeting skills at “JA in a Day” events
- Taught financial management courses to elementary school classes with 20+ students

08/2012 – 05/2014 **Lecturer, National Foundation for Teaching Entrepreneurship, Dallas, TX**

- Taught courses on sales pitch delivery, business plan writing, small business management to middle- and high-school students
- Mentored students in business development and business plan writing

07/2012 – 09/2013 **Mentor & Instructor, Toastmasters International, Dallas, TX**

- Taught courses on presentation skills and effective leadership of Toastmasters clubs at district and state conferences
- Mentored two members until they reached Competent Communicator status

03/2011 **Guest Lecturer, Orange Walk Technical High School, Orange Walk, Belize**

- Led team of students in developing entrepreneurship curriculum
- Taught three classes to 25+ students
- Coached students on public speaking and pitch presentation for student entrepreneurship competition; one student successfully obtained funding

## **WORK EXPERIENCE**

11/2017 – 08/2019 **Risk Manager, Oportun**, Dallas, TX

- Analyzed profitability using statistical models, designed 2018-19 new loan strategy, piloted new strategy with random sample testing
- Led quality control efforts that identified \$400k+ in potential errors
- Automated quality control process, replacing 600+ hours of manual work

06/2016 – 11/2017 **Senior Risk Analyst, Think Finance**, Dallas, TX

- Created statistical model to estimate total profitable customers and identified adjustments to marketing criteria that doubled direct mail customers
- Developed QI tool for accessing reports that saved 250+ manual work hours
- Built computer program that automatically constructs statistical regressions in real time based on simulated lending strategies for national portfolio

11/2013 – 06/2016 **Senior Analyst, Ally Financial**, Dallas, TX

- Developed automated reporting used for international loan servicing strategies
- Collaborated with executives to launch five analysis-based debt collection strategies that reduced delinquency
- Directed committee creating training material for 35-person team
- Mentored two new analysts to above-average performance reviews

07/2012 – 11/2013 **Business Analyst, Capital One**, Dallas, TX

- Created weekly report to the president on loan competitiveness and forecasts
- Performed statistical analyses to implement \$680MM+ in new loan strategies
- Forecasted loan volume, competitiveness, pricing for earnings reports

## **INTERESTS & SKILLS**

**Cooking:** created and updated [meal prep blog](#) promoting nutritious eating from 2016-18

**Writing:** published [book of short stories and poetry](#) and [opinion piece about nutrition](#)

**Quidditch:** co-founded Texas Quidditch (2013, 2014, 2015, 2019 national champions)

**Travel:** visited 55 countries on 6 continents, Camino de Santiago and Kumano Kodo dual pilgrim

**Programming:** *expert* VBA, SAS, SQL (T-SQL, SPL, SQL/PSM, PL/SQL), HTML, CSS; *intermediate* Visual Basic .NET, Python, Java & Javascript, PHP, ASP; *basic* C, R, Perl, XML, XSL, Powershell, Unix Shell

**Languages:** *basic* Spanish, Mandarin Chinese

## **CERTIFICATIONS**

Basic Life Support (2021), HIPAA (2021), [Basic Biomedical Research](#) (2020), [Good Clinical Practice for Clinical Trials Involving Drugs](#) (2020), [Community Engaged Research](#) (2020), [Responsible Conduct of Research](#) (2020), [IACUC](#) (2020), [Working with Genetically Modified Mice](#) (2020)

## **PROFESSIONAL AFFILIATIONS**

International Headache Society (2021), American Neurological Association (2020), American Academy of Sleep Medicine (2020), American Headache Society (2020), American Academy of Neurology (2019), American Medical Association (2019)

## **REFERENCES**

Available upon request