

Skyler L. Kanegi

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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

RESEARCH EXPERIENCE

- 02/2020 – **Endodontics, UT Health San Antonio**, San Antonio, TX
Advisor: Armen Akopian, PhD, Professor
Overall work in lab: 375hrs
- Studied mechanisms and hormone regulation of migraine pathophysiology
 - Reviewed literature, participated in lab meetings and Pain Journal Club, designed and conducted experiments
 - Mastered rodent handling, von Frey filament measurement of periorbital allodynia, locomotor activity monitoring, 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. *Accepted for 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

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|-------------------|--|
| 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

- 05/2021 **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**

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

Annual advocacy event uniting health professionals, advocates, and patients to increase awareness and research funding for headache conditions

- 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**

Global nonprofit providing free mental health texting service

- 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**
Donation-based free clinic for underserved patients

- 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**
Community-driven lender providing loans to underbanked
- 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**
Fintech company providing risk, marketing, and technology solutions to lenders
- 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