Q9. Mentor Research Application for Summer 2020 (June 1 - August 7)

Welcome to the UTHealth - Cancer Prevention & Research Institute of Texas (CPRIT) Fellowship in Innovation for Cancer Prevention Research - UTHealth’s training program for undergraduates, pre- and post-doctoral fellowships in cancer prevention.

This program goes beyond being a quality cancer education and career development program to focus on helping those seeking a career in cancer prevention and control research to learn to ask the important research questions, apply cutting-edge methods, and move the field of cancer forward.

We appreciate your willingness to take on the mentorship of one of our undergraduate trainees. This application will help orient you with the goals and expectations of our summer mentors and trainees.

All applications must be submitted by 11:59 PM on Friday, January 17, 2020.

Q10. Faculty Mentor Information

Q1. First name

Muhammad

Q2. Last name

Amith

Q11. Phone number

281-638-2131

Q12. E-mail address

muhammad.f.amith@uth.tmc.edu

Q4. School/Campus Affiliation

- UTHealth School of Public Health - Houston
- UTHealth School of Biomedical Informatics
- UTHealth School of Dentistry
Q13. **Research Projects**

Each fellow is expected to spend an average of 40 hours/week on his/her research project, organized seminars and innovation generation course.

Applicants will click on the titles of projects they are interested in to see the description. **Give your project an inviting name! Acceptable projects do not need to be externally funded.**

Q15. Project title

**CHEW ON THIS!**

Q14. Lay summary of the project (100 words maximum). Examples of project descriptions can be found [here](#).

If pasting or deleting text into this field, please make sure to press the space bar after the last word in order to see your accurate word count.

According to the CDC, 40% of major cancers are attributed to obesity, and a third of the US population are within their healthy weight range. We propose analyzing the issues and behaviors behind eating habits and nutrition; and building methods and tools to mitigate this emerging problem. We are looking for serious applicants interested in learning and applying informatics methods to advance the research knowledge in this domain. We welcome enthusiastic applicants from majors like computer science/engineering to linguistic/humanities. Previous applicants published and presented their work in professional avenues, and thus expanded their credentials. Being a foodie is a plus!
Q16. Project will require contact with:

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<th>Public</th>
<th>Patients</th>
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Q17. Does the project require IRB approval?

- Yes
- No

Q18. If yes, please provide the IRB number below.

*This question was not displayed to the respondent.*

Q19. Does the project have a Laboratory Safety Protocol?

- Yes
- No

Q20. If yes, please provide the Protocol Number below.

*This question was not displayed to the respondent.*

Q21. Will the summer fellow be added to the protocol?

- Yes
- No

Q22. **End Products of Summer Fellowship**

Q23. **End products for all Fellows:**
1. Complete a project explicitly using the tools of innovative thinking.
2. Prepare and present a research poster on their project, including how you applied tools for innovative thinking.
3. Participate in the 90-second elevator speech competition.

Q25. **Project-specific end products (determined by Mentor):**

Examples:
1. GIS map to track whether and other environmental conditions for day laborer “corners” throughout Houston
2. Design for a social network platform for follow-up with research participants, manuscript on xxx to be submitted for publication
3. Abstract on yyy to be submitted to a scientific meeting
Q27.
Fellows' Activities

Q28. Activities for all fellows:
1. Complete the Massive Open Online Course (MOOC) on Innovation Generation
2. Participate in weekly MOOC reviews and occasional cancer-related seminars in Houston and/or remotely via ITV
3. Apply the tools of innovative thinking in project discussions
4. Participate in two elevator speech workshops
5. Provide mid-course and final evaluation feedback
6. Meet with the preceptor or representative to discuss the training experience, progress, and challenges
7. Prepare and present a poster on the summer research
8. Present a 90-second elevator speech

Q29. Project-specific Trainee Activities (determined by Mentor):
Example: Fellow will commit to the design and analysis of a mini project YYY as part of a larger project

* Literature review and presentation of findings to mentor * With the help of the mentor scope out the intern's project * Work independently to generate data and results and produce tools for the project * Collaborate with mentor's colleagues * Report with the mentor on a weekly basis * Write a draft report detailing findings and conclusions

Q31. Learning Objectives:
By the end of the summer experience, the following objectives should be achieved.

Q32. Objectives for all fellows:
1. Describe and apply the tools of innovative thinking to increase creativity
2. Develop communication and presentation skills

Q33. Project-specific Learning Objectives (determined by Mentor):
Examples:
1. Fellow will be able to write instructions for low literacy audiences
2. Fellow will design a mini project with supervision

* Fellow will realize the skills needed to be a professional researcher (analysis, design, independent critical thinking, writing, etc.) * Fellow will learn and utilize informatics methods to address a health-related issue
Q34. Are there any special fellow characteristics that would be desirable?
Examples: major, interests, language, or culture

Generally, I am open to any major for a student on this project, and work with the intern to tailor the project based on their major. *Might* be open for two.

Q35. Mentor Responsibilities
1. Attend the closing ceremony (elevator speech competition and poster presentation) on August 7, 2020.
2. Provide feedback on the program experience to the program coordinator.
3. Meet with the fellow weekly to discuss training experience, progress, and challenges.
4. Encourage the use of the tools for innovative thinking.
5. Notify Dr. Mullen if the intern is not meeting the agreed upon responsibilities as early as possible to allow problem-solving.
6. Complete an evaluation of the fellow at mid-course and end of the program.

Q36. If you plan to delegate some of the supervision to another lab member, please list their name and contact information so that we can copy them on all correspondence.

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Q37. Will you be out of lab for more than 2 weeks during the training period (June 1, 2020 - August 7, 2020)?

- [ ] Yes
- [ ] No

Location Data
Location: (29.618392944336, -95.609298706055)

Source: GeolP Estimation