

Tenure-Track, Assistant Professor, Department of Health Informatics and Data Science (primary) and Department of Surgery (secondary) at Loyola University Chicago

About the position:

The Department of Health Informatics and Data Science within the Parkinson School of Health Sciences and Public Health and the Department of Surgery within the Stritch School of Medicine at Loyola University Chicago are seeking a candidate for a full-time, tenure-track faculty position at the assistant professor level. The successful appointee will collaborate closely with Dr. Vivian Gahtan, Chair of Surgery, and Dr. Nicholas Soulakis, Chair of Health Informatics and Data Science and the Director of the Center for Health Outcomes and Informatics Research (CHOIR). As this is a tenure-track position, the faculty member will be expected to teach and maintain an active role in research and service.

About The Parkinson School's Department of Health Informatics and Data Science:

Parkinson School is an innovative new school committed to applying an entrepreneurial philosophy of educational excellence, research, and service as a means to achieve the goals of improving human potential through health sciences and the promotion of health equity (Discover Parkinson's vision: <https://www.luc.edu/parkinson/>). Through four areas of study (Applied Health Sciences, Healthcare Administration, Health Informatics and Data Science, and Public Health Sciences), faculty teach, challenge, and mentor undergraduate and graduate students, as well as conducting research and career professionals. The Health Informatics and Data Science Department is home to two new Masters and Certificate Programs in Health Informatics, the first of several new programs planned. The department is located on Loyola's Health Sciences Campus in Chicago's western suburbs at the Center for Translational Research and Education (CTRE). This state-of-the-art facility brings together the Stritch School of Medicine, Marcella Niehoff School of Nursing, The Graduate School, and Loyola University Health System on an exciting cooperative journey with one unified goal—the rapid translation of fundamental science discoveries into real treatments for human health.

Loyola University Chicago's Parkinson School of Health Sciences and Public Health is a home for a \$25 million endowed Center for Health Outcomes and Informatics Research (CHOIR) with the mission of enhancing collaborative research across campuses on health outcomes and equity research. (Learn more about CHOIR: <https://www.luc.edu/parkinson/researchandpractice/choir/>) CHOIR is stewarded by the Health Informatics and Data Science Department. Additional CHOIR activities include directing intramural pilot awards, leading an educational seminar series, and providing resources for training students and faculty.

About The Stritch Schools's Department Of Surgery:

Loyola University Chicago Stritch School of Medicine (<https://www.luc.edu/stritch/>) is one of only four U.S. medical schools grounded in Jesuit, Catholic values. This ethos permeates our teaching, learning, and community-building. Our mission emphasizes not only scholarship and biomedical education but also the holistic treatment of the human spirit, championing innovation, diversity, respect for life, and human dignity. We prioritize scholarly excellence, service, and impactful research. Stritch offers personalized educational paths, including dual-degree programs like MD with MPH, MBA, or PhD. Our graduates emerge well-rounded, embodying excellence with compassion and discernment .

The Department of Surgery (<https://ssom.luc.edu/surgery/>) is a highly multidisciplinary department with a strong focus on employing informatics approaches and data science to support biomedical and outcomes research within the department. Our mission is to provide the highest level of surgical care, to train the next generation of surgeons and surgeon scientists, and to advance surgical care and knowledge through state-of-the-art research and innovation. We devote ourselves to our patients, surgical care, research, and education, and we emphasize quality, safety, and the patient experience.

The Department of Surgery serves to educate and engage clinical faculty, healthcare professionals, resident physicians and health sciences students in the fundamentals of health outcomes research and data-driven healthcare delivery. The Department of Surgery's primary objective is to create a data-driven culture in the service of improved outcomes and health equity. The Department of Surgery is a core strategic collaborator between HSD and LUHS in their shared mission of education, research and service to others. Consistent with the Jesuit tradition, the principle of Cura Personalis, a person-centered approach to education, is central to our ethos.

Vision Statement:

The Department of Surgery will become a team of trusted partners within our community dedicated to improving the health of each life we touch. We will support one another in our professional and personal endeavors, and make our workplace one that is safe, diverse, and welcoming. Our contributions to research, innovation, education, and surgical practice will be recognized nationally and internationally.

The Stritch School of Medicine and the Parkinson School have a wealth of affinity groups to collaborate with in reinforcing their DEI commitment. The Center for Diversity and Inclusion (CDI), at the heart of promoting multicultural education, is a prime resource. Similarly, the Loyola Medical Student Union can bridge DEI initiatives with student needs. Collaborative opportunities also lie with student organizations like Latino Medical Student Association (LMSA), Muslim Medical Student Association (MMSA), Stritch Pride, DAC Med, and Culture in Medicine (CiM). Tapping into the Specialty Interest Groups ensures DEI integration into specialized medical fields, while other programs such as the DACA Support Committee and FGLI Committee address the unique challenges of specific student populations. Working with these groups can foster a comprehensive and inclusive approach to DEI across the institution.

Qualifications:**Required:**

- Possession of a terminal degree in Medicine, Biomedical Informatics, Computer Science, Biostatistics, Epidemiology, Health Policy and Management, or an analogous field.
- Profound knowledge in data science methodologies, especially in Health Informatics. This encompasses, but is not restricted to, machine learning, deep learning, and network science.

Preferred:

- A demonstrated interest or previous experience in creating and improving graduate-level courses that focus on healthcare informatics and precision public health.
- Demonstrated capability to forge robust collaborations with professionals in the health and healthcare sectors.
- Expertise in natural language processing pertinent to clinical notes, adeptness in data integration, and proficiency in Electronic Health Record EHR integration.

Ideal:

- The ideal candidate should demonstrate potential for developing a strong independent research program.
- Experience or potential to secure extramural funding will be highly valued.
- A keen interest in contributing to the departments' graduate programs and related coursework.
- Proven ability or potential to establish strong collaborations with healthcare professionals at the institution, in the region, and nationally.

How to Apply:

Applicants should apply online at: <https://www.careers.luc.edu/postings/26522>. Questions of content and process can be directed to Dr. Samie Tootooni mtootooni@luc.edu.

Applicants should include electronic copies of:

1. a cover letter describing your interest in and qualifications for the position;
2. a curriculum vitae;
3. a research statement;
4. a teaching statement;
5. a list of at least three references (who will be contacted for finalists only).

Our review of applications will continue until we fill the position. Applications will be reviewed as they are received (and complete).

Diversity and Inclusion Statement:

The Loyola Medicine department of surgery is committed to fostering an environment that embraces the uniqueness of all individuals. We welcome and value individuals of all backgrounds regardless of ethnicity, gender, race, religion or sexual orientation. Through fair and deliberate recruitment, promotion, education and admission for our students, residents and staff, we will provide the highest quality surgical care, education and service for every member of our community. Embracing diversity and fostering an inclusive environment not only enriches the educational and work experience for all, but also plays a critical role in faculty retention. Such an environment ensures that our faculty feel valued, recognized, and empowered to reach their fullest potential. We fully support diversity and inclusion statements written by our parent organizations:

1. Loyola University Chicago Stritch School of Medicine <https://ssom.luc.edu/diversity/mission-goals/>
2. Trinity Health <https://www.trinity-health.org/careers/diversity-and-inclusion>