The University of Florida is creating an AI-powered future to solve some of the world’s most formidable challenges. In support of this bold vision, the university’s academic health center—UF Health—is creating an academic hub to foster the development and application of trustworthy artificial intelligence in the health sciences. UF Health colleges are hiring multiple faculty positions to join UF’s growing community of scholars and researchers developing and applying AI methods in health care decision support, diagnostic and therapeutic development, and determinants of health.

UF’s ongoing drive to innovate through new academic initiatives has earned it recognition as one of the top 10 best public universities in the 2021 U.S. News & World Report Best Colleges rankings. This commitment to innovation in academia has propelled UF to become the first institution of higher learning in the U.S. to receive DGX A100 systems, which are designed to accelerate diverse workloads, including AI training, inference and data analytics.

Find yourself here. The backbone of UF Health is a talented and dedicated workforce of more than 33,000 people who provide lifesaving care and research breakthroughs for more than 3 million patients who come to UF Health each year from around the U.S. and more than 30 countries. UF Health’s problem-solving culture generates real-world questions and data that can spur advances in AI to improve health and health equity at the individual, health system and population levels. UF is the only university in the nation where 16 colleges share a central campus—including the UF Health colleges of Medicine, Dentistry, Nursing, Pharmacy, Public Health and Health Professions, and Veterinary Medicine—adjacent to an affiliated Veterans Affairs Medical Center. The UF Health system also encompasses nine UF research institutes and centers. With main campuses in Gainesville and Jacksonville as well as satellite sites in Orlando, Central Florida and other locations, UF Health spreads a constellation of care over the third-most populous state in the nation.

$15.7 TRILLION
potential contribution to the global economy by 2030 from AI

(PWC)
The University of Florida is home to HiPerGator — among the world’s fastest supercomputers in higher education. Now, we are recruiting a diverse, brilliant group of artificial intelligence experts to take on big challenges and build an AI-powered future.

Fueled by a $100 million public-private partnership with NVIDIA, HiPerGator is just the start. We are seeking to develop the world’s leading professors and research teams to train the future AI workforce and advance AI and data science in three areas: health care delivery, biomedical discovery and public and population health.

For faculty at UF Health working on artificial intelligence and machine learning, access to HiPerGator is a powerful draw. Very often, they also come — and stay — for the multidisciplinary collaborations that inspire breakthroughs. It is the foundation of a community that is not defined by just one college, institute or discipline but by a group of brilliant minds who work together to improve health.

That kind of atmosphere — along with UF’s technology infrastructure and commitment to AI — amplifies the ability to do exceptional work and attracts an ongoing funding stream to fuel discovery.

AI-focused faculty will be encouraged to set aside traditional departmental boundaries and work together as an interdisciplinary community to ignite major discoveries. With more than 2,400 instructional, research and clinical faculty, UF Health’s six colleges are proximate to UF’s business and engineering schools as well as the Institute of Food and Agricultural Sciences. UF’s culture and entrepreneurial spirit as a comprehensive, flagship university positions scientists to work collaboratively within and across campuses.

UF Health clinical operations and data resources also foster opportunities for groundbreaking AI initiatives. The UF Health Integrated Data Repository, or IDR, is a large-scale database that collects and organizes information from across UF Health’s clinical and research enterprises. In conjunction with NVIDIA, HiPerGator and IDR data were recently used to develop and train GatorTron™, a natural language processing model that is the most advanced of its kind. It reads and interprets massive volumes of medical text with unprecedented speed and accuracy. That has the potential to accelerate the process of finding patients for lifesaving clinical trials as well as augment clinical decision support and other medical applications.
UF Health is also home to the coordinating center for the OneFlorida Clinical Research Consortium, a statewide research network and data trust that includes 12 academic centers and health systems across Florida. The OneFlorida Data Trust contains electronic health data from more than 15 million patients who visit private and public health care systems statewide. The UF Health IDR and OneFlorida Data Trust are just two examples of unique data assets available to UF researchers that provide exceptionally deep and broad collections of real-world data for developing and validating AI methods and applications.

World-class infrastructure, high-quality data and diverse and inclusive teams are central to UF Health’s vision for advancing AI in the health sciences. Innovative teams from wide-ranging backgrounds are needed to tackle big health science issues and bridge communities to ensure AI-driven solutions are ethical, trustworthy, fair and unbiased. Equity and inclusiveness in hiring, professional development and research are being emphasized. Diverse teams bring more unique cognitive tools and perspectives. That leads to more robust and equitable innovations to better serve patients and public health.

Those who bring their AI talents to UF Health will find it to be an incubator of ideas where conversations flow organically among nationally and internationally recognized experts. This sparks new research collaborations that ultimately benefit the patients and communities we serve.

HiPerGator AI is one of the most powerful supercomputers in higher education

(PWC)
THE OPPORTUNITY

Assistant/Associate/Full Professor
Artificial Intelligence, Health Sciences

The University of Florida colleges of Dentistry, Medicine-Gainesville, Medicine-Jacksonville, Nursing, Pharmacy, Public Health and Health Professions and Veterinary Medicine invite applications for faculty positions at the assistant, associate or full professor rank specializing in the development and application of artificial intelligence-powered insights in health care decision-making, novel diagnostics and therapeutics, and determinants of health.

Successful applicants will join a university-wide artificial intelligence initiative aimed at advancing UF’s reputation and impact as a national and global leader in the application of AI (https://ai.ufl.edu). The initiative is supported by a $70 million initial investment and implementation of one of the world’s most powerful AI supercomputers in higher education. As part of this bold vision, the university is hiring 100 new faculty members, including an initial 17 faculty members in the health sciences.

Successful applicants will join a cross-college network of AI researchers grounded in the values of Trustworthy AI, Community, and Diversity, Equity and Inclusion (DEI). Applications will be considered across three thematic areas of interest:

**AI in Decision Support**
Candidates with expertise in AI-powered health care decision making and precision health will specialize in one or more of the following areas:

- Predictive analytics, risk stratification or causal inference methods to develop evidence and tools for decision support in clinical and public health settings.
- Use of large healthcare data and focus on priority areas, including critical care, cardiology, oncology, endocrinology, mental health, child and maternal health, preventive and public health, and drug safety and effectiveness research.
- Other areas related to clinical, policy and health care decision-making.
AI in Diagnostics and Therapeutics
Candidates with expertise in AI-powered development of novel diagnostics and therapeutics will specialize in one or more of the following areas:

- ’Omics technologies, bioinformatics, biomedical imaging and drug discovery.
- Development and implementation of novel diagnostics and therapeutics in key priority areas, including neurology/neuroscience, aging, acute critical care, cardiology, oncology, endocrinology, mental health, and child and maternal health.
- Other areas related to precision medicine, disease prevention, and public health.

AI in Determinants of Health
Candidates with expertise in AI-powered modeling and surveillance of health determinants will specialize in one or more of the following areas:

- Predictive analytics, risk stratification or causal inference methods to understand the determinants of health, from genetic to clinical, social and environmental factors.
- Use of large healthcare data and focus on priority areas, including cardiology, oncology, endocrinology, mental health, child and maternal health, preventive and public health, comparative effectiveness research, social determinants of health, and health disparities and equity.
- Other areas related to health determinants and health care or public health.

Faculty members hired into this initiative will be expected to lead a collaborative research program and collaborate with existing teams at UF to advance health science that uses AI methods.
Building healthier communities, which lead to healthier future generations.

There’s a reason the Sunshine State is the tourism capital of the world and the third-most populous state in the country. As a Florida resident, you’re never far from the world’s best beaches, theme parks and attractions (and their Florida resident discounts) and cultural arts. Factor in our favorable tax rate and entrepreneurial spirit, and it’s easy to see why so many individuals, families and businesses choose to make Florida their home.

• One of only seven U.S. states without state income tax
• More than 160 state parks that offer hiking, fishing, canoeing, camping and so much more
• Walt Disney World, Universal Orlando, Legoland, Busch Gardens, SeaWorld, Kennedy Space Center, Daytona International Speedway, the mermaids of Weeki Wachee and the Florida Museum of Natural History … all just a car ride away
• Hundreds of miles of beaches to enjoy year-round

Gainesville
One of the Top 100 Best Places to Live.

From the natural beauty of our wide-open trails, to the hospitality of our tight-knit community, to the stores we love and the new ones to discover, it’s all here. But that’s just a snapshot of today — because our home city has big plans for the future.

With an average high of 65 degrees in January, you rarely hear the terms “wind chill factor” and “freezing rain” in Gainesville — unless you happen to be watching a national weather forecast. Mild winters and warm summers are par for the course in the Sunshine State. With its beautiful natural landscape, nearby freshwater springs and stunning prairies, Gainesville has been called an “urban forest.”

There’s more to the climate in Gainesville than the weather and scenic environment. There is the climate of innovation and entrepreneurship that has resulted in the creation of a substantial number of new businesses in recent years, making the city especially attractive for dual-career families.

UF’s Strategic Development Plan provides a robust framework for building a more
dynamic city by leveraging the brainpower of experts across the university. This innovative model for town-and-gown relationships earned UF the Society for College and University Planning’s 2017 “Excellence in Planning for an Existing Campus” award. The worldwide organization’s recognition is akin to winning an Academy Award in the motion picture industry.

**Jacksonville**

*One of the Nation’s 10 Best Big Cities.*

The UF Health medical center and academic campus in Jacksonville is home to the UF College of Medicine – Jacksonville and includes degree programs offered by the colleges of Nursing and Pharmacy. It also includes primary care and specialty practices throughout North Central and Northeast Florida, as well as Southeast Georgia.

Jacksonville, the largest city in area in the continental United States, is a rapidly growing metropolitan city in Northeast Florida and home to nearly 850,000 residents.

Jacksonville is known for its convenient location, mild climate, reasonable cost of living and high quality of life. Recognized as “America’s Logistics Center,” Jacksonville is a leading distribution center, with a transportation network embracing port and air cargo facilities, rail and trucking routes. Millions of tons of raw materials and manufactured goods move through the city annually. Jacksonville is consistently rated one of the “Hottest Cities in America” for business expansions and relocations in an annual poll featured in Expansion Management magazine. The city is also home to two large military bases — Naval Station Mayport and Naval Air Station Jacksonville.

Among Jacksonville’s many natural assets is one of the largest urban park systems in the country. The active and passive parks and preservation lands are a key part of the city’s landscape. Swimming and surfing are popular at nearby barrier island beaches, such as Atlantic Beach, Jacksonville Beach and Neptune Beach. Championship golf courses in the area include Ponte Vedra Beach’s TPC Sawgrass, headquarters of the PGA Tour.

Jacksonville also offers a major symphony orchestra, a sports and entertainment complex downtown and numerous special events each year. The home of the NFL’s Jacksonville Jaguars, the city welcomed its first Super Bowl in 2005.

Jacksonville has been named one of the 10 Best Big Cities to Live by Money Magazine.
Lake Nona
A Community of and for the Future.

The UF Research and Academic Center at Lake Nona supports a thriving research and medical community in Central Florida and bridges programs at UF’s other campuses. Home to programs and key research efforts of the UF colleges of Pharmacy and Medicine, the campus is home to state-of-the-art research labs and centers were UF scientists carry out basic, clinical and translational research in drug discovery and development.

Orlando, the City Beautiful, is home to Lake Nona’s Medical City. Located south of the Orlando International Airport, Medical City is becoming one of the area’s most prominent life-science clusters.

The 650-acre health and life science park is located in Lake Nona, a 7,000-acre master-planned community. Forty percent of the community has been reserved for open green space and lakes. Lake Nona’s amenities include a planned 334-acre city park, 44 miles of planned trails, a number of community parks and 1,000 acres of lakes and waterways.
QUALIFICATIONS

Minimum Requirements:

Applicants must have a doctoral degree in the health sciences, computer science, engineering or related disciplines.

Clinician-scientists seeking to practice must have the licenses and/or certifications required to practice in their fields.

Preferred Qualifications:

Candidates should have experience and expertise in either developing and using artificial intelligence methods, with an interest in applying those methods to health-related research; or in health sciences research, with an interest in novel AI solutions. In addition, candidates should demonstrate prior experience and/or commitment to working in a highly collaborative and inclusive environment.

The number of enterprises using AI GREW BY 270% between 2015 and 2019 (GARTNER)
APPLICATION INSTRUCTIONS

Faculty members hired through this initiative will be appointed in departments throughout the UF Health colleges. The application review process began in March 2021 and will end when all the positions are filled. To view the job posting online and submit an application packet, which includes a CV, letter of interest and list of references, go to https://facultyjobs.hr.ufl.edu/ and search by Job# 70950.

For further information about a position, contact the search committee co-chairs, Chris Harle, Ph.D., Professor, at charle@ufl.edu, or Patrick Tighe, M.D., M.S., the Donn M. Dennis Professor of Anesthetic Innovation, at ptighe@anest.ufl.edu.

The final candidate will be required to provide an official transcript to the hiring department upon hire. A transcript will not be considered “official” if a designation of “Issued to Student” is visible. Degrees earned from an educational institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by the National Association of Credential Evaluation Services (NACES), which can be found at http://www.naces.org.
The University of Florida is an Equal Opportunity Employer.

The University of Florida is an Equal Opportunity Employer and provides equal employment opportunities and practices for all qualified persons with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status. In the same respect, the university seeks to provide for equal employment opportunities by recruiting, hiring, training and promoting persons in all job classifications without discrimination and by promoting the full realization of equal opportunity through a positive, continuing program of affirmative action.

The “government in the sunshine” laws of Florida require that all documents relating to the search process, including letters of application/nomination and reference, be available for public inspection upon request.