FACILITIES AND OTHER RESOURCES

THE UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

The work proposed in this application is enabled in part by the extensive resources of the University of California, Los Angeles. The university's tripartite mission of teaching, research, and public service incorporates best practices and the integration of theory, research and professional practice to analyze societal challenges and problems. This environment encourages the type of collaboration needed to facilitate the development of high impact science. Furthermore, Los Angeles County, the largest County in the nation, with one of the most ethnically, socially and economically diverse populations.

SCIENTIFIC ENVIRONMENT

UCLA HEALTH

UCLA Health is a self-supporting non-profit organization, owned and operated by the Regents of the University of California, to support the clinical activities of the professional schools of dentistry, medicine, nursing and public health. It is comprised of five hospitals on three campuses: Ronald Reagan UCLA Medical Center (520 beds), UCLA Mattel Children's Hospital (131 beds) and the UCLA Resnick Neuropsychiatric Hospital (74 beds) on the university's main campus in the Westwood area of Los Angeles, the UCLA Santa Monica Medical Center (281 beds), and UCLA West Valley Medical Center (260 beds). In the 2024-2025 edition of the U.S. News & World Report, UCLA Medical Center was placed on its honor roll for the 35th consecutive year, a distinction reserved for only 20 hospitals or health systems. UCLA's hospitals in Westwood and Santa Monica were ranked No. 1 in Los Angeles and No. 1 in California. UCLA Medical Center was also in the top 3% of institutions that were ranked as top in the nation in specialties, including top 10 rankings in 12 specialties.

UCLA Health boasts 3,500 clinical and basic science faculty. UCLA Health also boasts 1,460 residents and fellows as well as 5,100 registered nurses, part of a net total of 34,600 employees. More than 300 UCLA physicians are listed among the best doctors in America, with many ranked as Super Doctors. Altogether, UCLA Health hospitals and clinics have over 3.6 million annual outpatient visits, with over 787,000 unique patients per year, and UCLA Health sustains 38,500 hospital stays and 79,500 Emergency Department visits per year.

A unique feature of UCLA is the presence of the Center for the Health Sciences (CHS) complex (one of the largest health-science centers in the country) that includes a School of Medicine, School of Dentistry, School of Nursing, School of Public Health, and California NanoSystems Institute on the same campus as the Division of Life Sciences and 7 other professional schools. This centralized complex ensures that all UCLA investigators have offices and/or a lab well within a close walking distance.

DAVID GEFFEN SCHOOL OF MEDICINE AT UCLA

The David Geffen School of Medicine at UCLA (DGSOM) is one of the top ranked medical schools in the United States. Since opening in 1951, DGSOM has grown into an internationally recognized leader in research, medical education, patient care, and public service. Our medical school has more than 4,600 faculty members across 24 departments, 1,300 trainees across 99 programs, over 800 medical students, 400 doctoral students, and 400 postdoctoral fellows; many of these faculty have been recognized with national and international awards and honors. There are now nearly 300 endowed chairs. The school focuses on six overarching goals: ensuring that academic medicine continues to thrive at UCLA, fostering interdisciplinary efforts, increasing the financial transparency of the school, transforming the culture of the school to ensure all individuals are welcome and valued, enhancing mentorship and leadership training programs, and elevating the school's internal and external communications. In *U.S News and World Report's* 2024 ranking (which changed its ranking methods starting this year), UCLA's medical school ranks in Tier 1 of the research category.

UCLA CLINICAL & TRANSLATIONAL SCIENCE INSTITUTE

The UCLA Clinical and Translational Science Institute (CTSI) is a research partnership of UCLA, Cedars-Sinai Medical Center, Charles R. Drew University of Medicine and Science and the Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center. Its mission is to bring biomedical innovations to bear on the greatest health needs of Los Angeles—the most populous county in the United States. The CTSI's vision is to catalyze research that translates discoveries into tangible improvements in health care, disease prevention and health in our community. The UCLA CTSI is one of more than 50 research hubs supported by the Clinical and Translational Sciences Award (CTSA) program of National Center for Advancing Translational Sciences (NCATS). NCATS—one of 27 Institutes and Centers at the National Institutes of Health (NIH)—was established to transform the translational process so that new treatments and cures for disease can be delivered to patients faster.

The CTSI Informatics Program provides access to electronic health record (EHR) data across multiple institutions, builds computation resources for data management, analysis and sharing and formulates and implements coordinated plans for data security. A data consulting service helps researchers access UCLA clinical data, enabling cohort search in three federated networks involving the five UC Medical Centers (University of California Research Exchange), the six LA-area medical centers (Los Angeles Data Resource) and the nationwide CTSA network (ACT). The program also provides the following biomedical informatics training: an ACGME-accredited clinical informatics fellowship program, graduate-level training in biomedical informatics, and introductory researcher workshops for instruction in various informatics tools and standards.

DEPARTMENTS AND CENTERS

UCLA Department of Family Medicine

Consistent with the tripartite mission of the School of Medicine, that is, patient care, medical education and research, this department seeks to improve the health and health care of families and communities in the Los Angeles metropolitan area through the provision of cost effective, accessible, high quality medical care for all. Further, this department sponsors an extensive medical education program for medical students, family medicine residents, fellows and other trainees.

Office. The Department of Family Medicine has a full finance team, including a research administrator, fund manager, and purchasing personnel, to maintain awarded grants. The Department has dedicated offices and research space located on the UCLA campus in the Center for Health Sciences (CHS) Building within the David Geffen School of Medicine (DGSOM). Research facilities include full capacity for copying, faxing and scanning. Offices have full computer support including e-mail and network access to facilitate collaboration within the institution and with outside collaborators. There is a dedicated conference room available to all research personnel, as well as access to several shared conference spaces available for reservation via DGSOM.

Computer. As a part of the David Geffen School of Medicine at UCLA, the Department of Family Medicine is supported by a computer network system which allows personal computers to communicate, access, and share information, software, and data. Technology infrastructure services support the entire campus through the UCLA backbone, Commodity Internet, Internet2, Bruin Online services, Connect 2, and underground inter-building wiring/cabling and maintenance. IT staff maintain the hardware, local area network (LAN), wireless area network (WAN), and all hardware and software used. The Department of Family Medicine maintains encrypted secure servers for continual backup of research data and documentation. The network system is backed-up daily and allows for easy access and sharing of information, software and data. Virus protection for all computers and servers is managed centrally using the latest editions of antivirus detection and cleaning software and utilities. The support staff ensures full encryption of all university-owned electronic devices. Full-time computer support staff (including computer networking specialists) are available for software and hardware installation, maintenance and troubleshooting.

Hardware includes high-end servers, network equipment, PC workstations, and laptops, networked printers and copiers, projectors, telephones and conferencing equipment. Various software packages are available for

qualitative and quantitative analysis (Atlas.ti, BMDP, Stata, SAS, SPSS, StatTransfer), for word processing (MS Word, WordPerfect), for creation of tables and graphs (MS Excel), for database management (Filemaker Pro, Access, SQL, dBase IV), for library management (Pro-Cite, EndNote), and for desktop publishing (Adobe Acrobat, MS Publisher).

OFFICE OF RESEARCH ADMINISTRATION (ORA)

The primary role of the Office of Research Administration (ORA) is to provide the campus with professional guidance and administrative support for all sponsored research activities. ORA maintains accurate records and administrative oversight of research projects and ensures proper administration of contracts and grants awarded to researchers at UCLA through the following mechanisms: Office of Contract and Grant Administration (OCGA), Office of Research Policy and Compliance (ORPC), Extramural Fund Management (EFM), Office for the Protection for Research Subjects (OHRPP) and Research Safety and Animal Welfare (RSAWA).

Office of Contract and Grant Administration

The UCLA Office of Contract and Grant Administration (OCGA) assists the campus research community in reviewing, approving and submitting proposal applications and negotiating and executing contracts and grants from government and non-profit sponsors. OCGA has primary responsibility for the interpretation of University-wide and campus policy, sponsor guidelines, and applicable federal and state laws and regulations related to governmental and non-profit sponsored activities. OCGA also executes all outgoing Subawards issued under grants or collaborative agreements.

RESEARCH TOOLS

UCLA’s Integrated Clinical and Research Data Repository (xDR)

UCLA’s Integrated Clinical and Research Data Repository (xDR) is OHIA’s large scale clinical data warehouse that supports data analyses and extractions for research as well as analytics to support clinical quality management functions of the UCLA Health System. The xDR contains data derived from multiple clinical systems including a full copy of the CareConnect Clarity data warehouse, which is linked to disease registry data, other data from systems in Radiology, Pathology and other departments, and “legacy” data from older outpatient and hospital billing and managed care systems. The UCLA CTSI serves as the “storefront” for research access to xDR data.

REDCap

REDCap (Research Electronic Data Capture) is a secure, HIPAA compliant web-based application for quickly building and managing online surveys, data collection forms and databases. REDCap provides audit trails for tracking data manipulation and user activity, as well as automated export procedures for seamless data downloads to Excel, PDF, and common statistical packages (SPSS, SAS, Stata R).

UCLA Health Box

UCLA Health Sciences has implemented a new instance of Box that ensures safe, unlimited and HIPAA-compliant storage for nearly any kind of data. The intuitive cloud-based tool lets users securely access files from any location, on any device. Features of Box include collaborative note-taking with Box Notes, workflow planning, real-time communication, and Office 365 integration. Box also offers cross-device syncing capabilities on any device, and ensures the security of its files via multi-factor authentication. Files on UCLA Health Box can be shared with external collaborators upon completing a training course to ensure HIPAA compliance.

Zoom for UCLA Health

Zoom is an online communication and collaboration tool accessible by the internet (computers, tablets, smartphones) and telephone that provides unlimited video-conferencing, web-conferencing, and audio-conferencing (both VOIP and telephone), all with a highly intuitive and easy to use user-interface. Each conference session can have one or more hosts and participants. Zoom is free to UCLA Health staff with valid

Mednet AD credentials. Zoom is HIPAA-compliant; it signs the HIPAA Business Associate Agreement (BAA) for healthcare customers and keeps sensitive information secure by encrypting all audio, video, and screen sharing data. The investigators will use Zoom to conduct videoconferences with each other.