



Medical Research Associate

California Northstate University, College of Medicine

Elk Grove, California, USA

Title: Medical Research Associate
Classification: Full Time, exempt, Salary 12-month appointment, eligible for renewal
Report to: VP of Research
Education: MD
Location: 9700 West Taron Dr, Elk Grove, California
Salary: \$149,153.00

Position Summary: Conduct translational research involving the evaluation, sourcing, and integration of advanced medical devices, biomaterials, and surgical technologies for oral and maxillofacial, orthopedic, spine, and neurosurgical applications. Requires an M.D. and five (5) years of experience in medical device research, procurement, distribution, or technology transfer, including direct negotiation and collaboration with U.S. and international suppliers of surgical implants and reconstructive materials.

Responsibilities:

The Research Associate for oral and maxillofacial surgery research is responsible for advancing facial surgery technology. Specific responsibilities include, but are not limited to:

- Conduct translational research focused on evaluating, sourcing, and integrating advanced medical devices, biomaterials, and surgical technologies for oral-maxillofacial, orthopedic, spine, and neurosurgical applications.
- Leverage extensive industry networks with major U.S. and international medical device manufacturers to identify, test, and recommend cutting-edge implant and reconstructive technologies for CNU's research programs and future teaching hospital.
- Collaborate with clinical faculty, biomedical engineers, and research teams to design and execute pilot studies that bridge commercial medical device capabilities with academic/clinical needs.
- Lead technology transfer initiatives, including prototype development using 3D printing and other rapid manufacturing methods, to accelerate the adoption of innovative surgical materials.
- Analyze biocompatibility, cost-effectiveness, regulatory pathways, and supply-chain feasibility of new devices and materials to support evidence-based decision-making.
- Mentor students and junior researchers on medical device innovation, global supply chain strategies, and commercialization of healthcare technologies.
- Prepare grant proposals, industry partnership agreements, and peer-reviewed publications that advance CNU's mission in healthcare innovation and education.

- Analyze developments in facial implant technologies impacting Oral and Maxillofacial surgical treatments and evaluate their biocompatibility, stability, and long-term integration with human tissue to improve patient outcomes.
- Establish prototypes of implantable materials using 3D-printing technologies and reconcile computational designs with clinical applications.
- Initiate and sustain collaborations with external institutions, including the Colleges of Medicine, Dental Medicine, and Graduate Studies at California Northstate University to enhance research capabilities, access advanced facilities, and broaden interdisciplinary expertise.
- Provide mentorship to students and junior researchers, contribute to academic publications, and support departmental and institutional goals.
- Other duties as assigned.

Required Education:

- Doctor of Medicine (MD)

Experience:

- Five years of experience in medical device research, procurement, distribution, or technology transfer, including direct negotiation and collaboration with major U.S. and international suppliers of surgical implants and reconstructive materials.

Qualities:

- Excellent interpersonal communication skills (e.g., with students, faculty, etc.)
- Commitment to professional excellence
- Track record of the research experience in oral maxillary facial surgery research experience

Applications will be reviewed upon receipt. For full consideration, candidates should provide curriculum vitae/resume with at least three references. All candidates are asked to provide a cover letter, articulating how their knowledge, experience, and beliefs have prepared them to function in support of California Northstate University's vision and mission statements.

Please submit your cover letter, curriculum vitae, list of references, and any additional information to hr@cnsu.edu. Review of applicants will begin immediately and will continue until positions are filled.

California Northstate University is an Equal Opportunity and Affirmative Action Employer.

California Northstate University is committed to providing equal employment opportunities to all employees and applicants, regardless of protected characteristics such as race, color, religion, sex, national origin, age, disability, or veteran status.

All qualified candidates are encouraged to apply. For inquiries, please contact us at: **e-mail:** hr@nhsrf.org and/or **telephone:** (916) 686-7300.