One-Year Research Fellowship in Orthopaedic Surgery

This orthopaedic research program offers a great opportunity for highly motivated students interested in orthopedics. As a part of our academic orthopedics department, you will spend a year learning the basic principles of research design, methodology, data analysis and navigating the process from IRB application to manuscript submission. You will work closely with clinical/research faculty and residents, with weekly opportunities for clinical exposure, surgeon shadowing, didactic lectures, and simulations/cadaver labs. Two orthopaedic tracks are available with options to integrate basic science research: adult reconstruction and pediatrics.

**Duration / Commitment**: 1 Academic Year

**Locations:** LSU Health Sciences Center – New Orleans (LSUHSC-NO), University Medical Center (UMC), Ochsner-Kenner Orthopaedic Clinic, or Children’s Hospital of New Orleans (CHNO)

**Compensation:**

* ~$20,000 stipend
* Travel expenses for conference attendance within the continental US

**Responsibilities for both tracks:**

* Design and complete at least 2-3 independent research projects.
* Assist in ongoing student/resident research projects where needed.
* Transport research materials from the OR to the lab for processing (personal transportation required)
* Attend weekly clinics and/or surgeries with clinical faculty.
* Attend all departmental didactic sessions, grand rounds, and cadaver labs.
* Develop and maintain research databases.
* Communicate effectively on the status of each project and progress with research team members
* Organize and provide a self-directed schedule to mentor(s) weekly.
* Attend one mentoring session per semester with the department chair and residency program director.
* Attend LSUHSC-NO journal club (one Thursday evening per month)
* Attend orthopaedic conferences at UMC (Wednesdays) and CHNO (Fridays) that include indications, M&M, and resident lectures.
* Present progress at quarterly orthopaedics research meetings at UMC.

**Course Credit:**

* LSUHSC-NO 3rd or 4th-year medical students may qualify for MCLIN500/01 (research), INTER143 (experimental design), and INTER260 (responsible conduct in research) (per CM72 Appendix I) course credit. Applicant should verify with office of student affairs.

Pediatric track @ CHNO

**Contact Site Director: R. Carter Clement, MD (rclem2@lsuhsc.edu)**

**Clinical Activities:**

* Attend one half-day weekly shadowing in the clinic and another half-day in the CHNO operating room, recording diagnoses/cases observed.
* Attend teaching conferences at CHNO (most Tuesday and Thursday mornings).
* Attend CHNO spine conferences (one Wednesday evening per month).
* Basic Science projects available if interested

**Research and Meetings:**

* Present at monthly CHNO research meetings.
* At least one weekly in-person meeting with an assigned mentor to update on progress.
* Monthly meeting for feedback/mentoring with Dr. Clement.
* Manage the Scoliosis Research Society (SRS) database (log complications for all spine surgeons) and the Pediatric Spine Study Group (PSSG) database (log all early-onset scoliosis encounters).

Adult Reconstruction/Basic Science track @ LSUHSC-NO

**Contact Site Director: Vinod Dasa, MD (**[**vdasa@lsuhsc.edu**](mailto:vdasa@lsuhsc.edu)**)**

**Clinical Activities:**

* Attend one half-day weekly shadowing with various faculty in the clinic.
* Attend one half-day weekly with various faculty in the operating room.

**Research and Meetings:**

* Present at quarterly LSUHSC-NO research meetings.
* At least one weekly in-person meeting with an assigned clinical and/or basic science mentor to update on progress.
* Monthly meeting for feedback/mentoring with Dr. Dasa.
* **Update clinical metrics of joint arthroplasty patients in the LSU Integrated Musculoskeletal Biobank (LIMB) database.**
* **Participate in clinically significant, basic science research projects on improving surgical and pharmacological interventions for adult reconstruction, rehabilitation, and pain management.**
* **Exposure to all aspects of 2-3 research projects, from regulatory logistics and design to execution and dissemination of results.**
  + **Participation in IRB submission if needed or overview of approved regulatory protocols of relevance.**
  + **Mentorship through experimental hypothesis, design, and approach**
  + **Self-directed execution of sample preparation and experimental assays with assistance from laboratory staff or medical students**
  + **Guidance on data analysis and assistance from biostatisticians in-house**
  + **Opportunities to craft abstracts, posters, and presentations for submission to multiple local and national conferences.**
  + **Guidance on manuscript preparation and submission to reputable, indexed journals.**

Orthopaedic Research Fellowship Application

**Please e-mail the completed form to Mrs. Edwina Jackson at** [ejack9@lsuhsc.edu](mailto:ejack9@lsuhsc.edu) **by April 1st**

First Name:

Middle Name:

Last Name:

Date of Birth (MM/DD/YYYY):

Degree(s):

Permanent

Phone:

Fax:

E-mail Address:

US Citizen  Yes  No

Do you have personal transportation?  Yes  No

**Education**

Undergraduate:

Undergraduate Institution:

City/State:

Dates Attended (From-To):

Degree:

Major:

**Medical School**

Medical School Name:

Address:

Fax:

E-mail Address:

Current Year of Medical School:

Medical School GPA (or class rank):

USMLE Step 1 Date: Click or tap to enter a date.  Pass  Fail

USMLE Step 2 Date: Click or tap to enter a date. Score:

CITI Training?  Yes  No

**Additional Post-Graduate Work (e.g., MPH, MS, MBA)**

Graduate Institution:

City/State:

Dates Attended (From-To):

Level Completed:

Field of Study:

**Research Interests**

Mark all that apply:  Pediatric  Adult Reconstruction/Basic Science  No Preference

Experience in clinical or basic science research:  Yes  No

If “yes,” please describe in 250 words or less your most impactful research experience:

Click or tap here to enter text.

**Extracurricular Activities**

Click or tap here to enter text.

**Personal Statement**

**Briefly** describe your expectations of this research opportunity and explain your interest.

Click or tap here to enter text.

**Additional Requirements**

* Curriculum vitae
* Medical School Transcript
* One letter of recommendation
* Letter from your institution documenting you are a full-time student in good standing.

*I certify that I have provided accurate information in this application, that the writing samples and other materials submitted as my own are indeed my original work, and I authorize the verification of my credentials for admission. Accordingly, I understand and agree that any misrepresentation or omission of facts in my application will justify the denial or the rescission of admission.*

Applicant Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_