



*The Office of Research for Medical Students*

**Research Project**

**Project Title:**

Lumbar Spine Structural Assessment

**Date of request:** 10/23/2024

**Contact Information**

**Full Name:** Jodi Dowthwaite,  
**Title:** RESEARCH SCIENTIST  
**Department:** Orthopedic Surgery  
**Phone number:** 315 464-9981  
**Office:** UH IHP 3206  
**Email:** dowthwaj@upstate.edu

**Research Project**

Longitudinal study using dual energy x-ray absorptiometry (DXA) from childhood into adolescence, evaluating sport-specific exercise exposure. The current project would involve assessing postero-anterior and lateral DXA scans to evaluate potential growth anomalies and/or injuries to vertebrae and/or discs.

**Research Location:** Institute for Human Performance

**Tele-research/remote opportunity?** No

**Will it require student to be physically present in the research location?** Yes

**Type of research:** Clinical

**Summer project?** Yes

**Long-term project:** Yes

**Availability required to work on your project(s):**

Adaptable, ideally 4+ hours per week

**Prior experience or specific skills required to work on your project(s):**

None required, good eyesight is beneficial as the student will need to scrutinize scans.