

# Skeletal Biology & Regeneration

Area of Concentration

UCONN Health

Biomedical Sciences PhD Program

## What you should know about our program

- **An area of concentration within the Biomedical Sciences PhD Program**
- **Explores the cellular, molecular and genetic processes related to skeletal development, skeletal diseases, injuries and their regeneration**
- **A highly multi-disciplinary program that includes over 25 research labs at UCONN**
- **A vibrant educational environment that includes scientific symposia, seminar series, social events, and opportunities for outreach**

## Research Areas

**Stem Cells**  
**Cartilage and Bone Differentiation**  
**Osteoporosis**  
**Bone Remodeling**  
**Bone Fracture Repair**  
**Biomaterials**  
**Scaffold Design**  
**Osteoarthritis**  
**Biomechanics**  
**Aging**  
**Limb and Craniofacial Development**  
**Oral Infection and Biofilms**  
**Osteosarcoma and Endocrine Tumors**  
**Drug and Stem Cell Delivery**  
**Rare Skeletal Diseases**

<http://health.uconn.edu/graduate-school/academics/programs/ph-d-biomedical-science/skeletal-biology-and-regeneration/>

## Welcome

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On behalf of the faculty representing the Skeletal Biology & Regeneration Program, we would like to welcome you to UCONN Health. It's a very exciting time to be in the field of skeletal biology and tissue regeneration. Scientific breakthroughs in a variety of disciplines such as, stem cell biology, genomics, imaging, and tissue engineering have truly revolutionized our understanding of the human skeleton. Please know that a background in skeletal biology is not required for entering our program. In actuality, we view students that have been educated and trained outside our immediate field as a strength. Thank you for considering our program and we hope you enjoy the weekend.

- We look forward to meeting you!

Archana Sanjay, PhD  
asanjay@uchc.edu  
Director of Skeletal Biology & Regeneration

Rosa Guzzo, PhD  
guzzo@uchc.edu  
Associate Director of Skeletal Biology & Regeneration