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Studies: PhD in Dynamic
Molecular Cell Biology
Specialization: Bone biology in
zebrafish

Short bio:

I graduated with a BSc in Molecular and Cellular Biology at the University of Exeter where I researched how septins regulate cell shape via organisation of microtubules in fission yeast. Then I went on to complete a research Masters at the University of York where I investigated the role of the androgen receptor in the differentiation of prostate basal cells to further help our understanding of prostate biology, to aid cancer treatments. I am currently in my first year of a 4-year Wellcome Trust Dynamic Molecular Cell Biology PhD at the University of Bristol. Within the first year I have undertaken two rotations in different labs, one of which was with Chrissy Hammond. I have just started my PhD project in the Hammond lab where I work closely alongside Dylan Bergen. My research uses zebrafish as a model to identify and characterise novel osteo-anabolic drug targets for osteoporosis treatment.

What do you expect from this training?

I hope to gain a greater understanding of bone biology and specifically the interactions of osteoblasts and osteoclasts. For my PhD I hope this training course gives me a greater insight into bone imaging techniques and drug development. I also expect the session on learning how to write a paper to be extremely useful. As I am at the beginning of my academic career, being able to ask questions to the speakers will give me invaluable knowledge and guidance.

Bonus question: What motivates you to get out of bed in the morning?

Firstly, to water the jungle of house plants I have accumulated during lock down! But also going to work with an amazing group of people and to help discover new treatments for a disease that effects 1 in 3 women in the world.