

**Name:** Zentraxa Limited

**Internship location:** UNIT DX, Albert Road, Bristol

**Website:** [www.zentraxa.com](http://www.zentraxa.com)

**Contact:** Harriet Bray

**Contact details:** [harriet.bray@zentraxa.com](mailto:harriet.bray@zentraxa.com)

0117 313 4701

**Internship job title:** Research Scientist

**Potential start date:** Early 2020 (flexible)

**Potential working hours:** Full time preferred

**Details of application:** CV and Covering letter – making clear that this is a PIPS application

**Application closing date:** open

### **Overview of host organisation**

Zentraxa is a Synthetic Biology spin-out company from the University of Bristol, commercialising a biological process for synthetic peptide production. Using this technology, we can design bespoke peptides for applications as new materials, free from the manufacturing constraints that beset existing technology. We are developing peptide products tailored to meet end user requirements. Currently our projects focus on the development of new adhesives that show key advantages in flexibility, biocompatibility and biodegradability. Our primary application areas are currently transparent armour, medical and surgical adhesives and dis-bondable adhesives.

### **Internship job/project offered**

To design, produce and test novel peptides for a range of potential applications, in line with the requirements detailed by customers or external project partners. Peptides will be produced using Zentraxa's synthetic biology platform technology for the recombinant production of peptides. The project will combine molecular biology, protein engineering, peptide expression and materials testing. Depending on commercial requirements there may be opportunity for the holder to define the scope of their project.

### **Financial contribution/benefit(s)**

We are looking for PhD students that are eligible to complete an internship supported financially by their funding body. We are in a position to cover in house costs and expenses. We have limited funds to support increased travel or accommodation costs.