University of BRISTOL

Anatomy at Bristol

2020

Visit days

Dr Jenny McNamara

bristol.ac.uk/study/undergraduate/2020/anatomy/

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Talk content

Introduce key staff

Introduce the Centre for Applied Anatomy

The Applied Anatomy BSc

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Introductions

- Admissions Tutor:
  Dr Jenny McNamara, Senior Teaching Fellow
  (jenny.mcnamara@bristol.ac.uk)

- Programme Director:
  Dr Michelle Spear
  (michelle.spear@bristol.ac.uk)

- Senior Tutor:
  Ms Liz Gaze
  (liz.gaze@bristol.ac.uk)

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Introductions

- Year one lead:
  Dr Jenny McNamara, Senior Teaching Fellow
  (jenny.mcnamara@bristol.ac.uk)

- Year two lead:
  Ms Lucy Hyde
  (lucy.e.hyde@bristol.ac.uk)

- Year three lead:
  Dr Charlotte Miller
  (charlotte.miller@bristol.ac.uk)

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Admissions Tutor

BSc Equine Science, Bristol 2001

- Making decisions over specific issues such as suitability of prior qualifications (admissions are centralised)
- Running open days and visit days for the Applied Anatomy BSc
- Ensuring that suitable feedback is given to all unsuccessful candidates who request this
- Staff student liaison committee member
- Outreach and widening participation activities (e.g. university open days, careers fairs, school visits etc.)

Programme Director

BSc Anatomical Science, Bristol 1999

- The maintenance of academic standards of the programme
- The quality of education and educational support in the programme
- Programme review and development
- The day-to-day running of the programme

Senior Tutor

BSc Anatomical Science, Bristol 1998

- Overseeing the overall provision of ‘student support’
- Offering specific advice to students on matters of academic process such as appeals, progression, transfers, withdrawals and suspension of studies
- Offering additional pastoral support to students when needed
- Monitoring student progress
- Supporting and advising Academic Personal Tutors
- Being a member of relevant School committees such as the School Staff-Student Committee and the Special Circumstances Committee

The Centre for Applied Anatomy

Home to:

- human and veterinary dissection rooms, HASS, imaging suite
- two lecture theatres seating up to 150
- tutorial rooms
- veterinary museum
- mezzanine floor
- student common rooms
- Vesalius Clinical Training Unit

Who is the Applied Anatomy course aimed at?

- Anyone interested in anatomy!
- Want to go into an anatomical-related career
- Aspiring scientists, academics, researchers, educators
- Undecided about future career want a good science degree with extensive transferable skills

- People considering health professions requiring further study (med, dent, vet, physio etc.)*

* Entry requirements for professional programs must be carefully checked for each institution. Most are dependent on achieved GCSE and A-levels grades and individual degree modules completed, and may not be fully funded by student finance.

What can you do with an Applied Anatomy degree?

Anatomy-specific roles

- Anatomist: education, prosector, dissection room management etc
- Illustrator, animator
- Science writer, journal editor, media
- Product development (e.g. Adam Rouilly, Stryker)
- Clinical coding
- Medical sales (medical technology/equipment, text books, lab equipment)

Further training

- Research: MSc, PhD, PGCE
- Professional programmes/allied health professions-* *check entry requirements at each institution
- NHS: Clinical scientist
- Graduate entry schemes in science and industry e.g. PWC, P&G, Boots

NHS Clinical Scientist role

- Healthcare scientists: making a difference to patients
- Involved in 80% of clinical decisions

Scientist Training Programme (STP): a three-year programme of work- based learning, underpinned by a University accredited master's degree. Trainees are employed by an NHS Trust for the duration of the programme and will be required to spend time in a range of settings, before specialising in the last two years of the programme.

Andrology- Audiology -Cancer Genomics- Cardiac Science- Clinical Biochemistry Clinical Bioinformatics - Genomics -Clinical Bioinformatics - Health Informatics Clinical Bioinformatics - Physical Sciences- Clinical Engineering -Clinical Immunology Clinical Pharmaceutical Science- Gastrointestinal Physiology -Genomic Counselling -Genomics -Haematology and Transfusion Science -Histocompatibility and Immunogenetics -Medical Physics -Microbiology -Neurophysiology -Ophthalmic and Vision Science -Reconstructive Science- Reproductive Science -Respiratory and Sleep Science -Vascular Science

healthcareers.nhs.uk/news/nhs-scientist-training-programme-2020-recruitment

Applied Anatomy at Bristol: ethos

1. Deep understanding of the structure of the body of an animal or human is gained by studying equivalent structures in different animals

- principles of vertebrate design
- comparative anatomy

Applied Anatomy at Bristol: ethos

2. Deep understanding of anatomical structure is best gained by dissection, supplemented by:

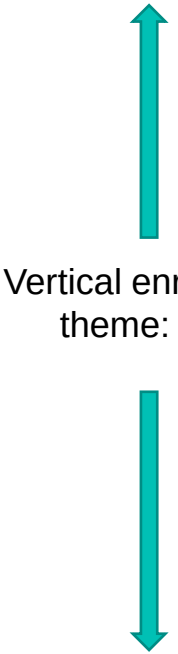
- study of prosections
- study of imaging
- applying the anatomy to a clinical situation
- online interactive resources

Course structure: overview

Year one:
- Understanding body structure (40CP)
- Understanding body function (40CP)
- Neuroscience

Year two:
- Human and veterinary anatomy (40CP x 2)
- Anatomy by dissection (20CP)
- Visualising anatomy through imaging (20CP)

- Year three:
  Advanced applied anatomy (120CP)



Vertical enrichment theme: PPD

Course content:
Year one Applied Anatomy

- Understanding body structure (40CP)
- Understanding body function (40CP)
- Introduction to neuroanatomy and functional neuroanatomy (40CP)

Course content: Year two

- Human and veterinary
- Detailed study of human and veterinary anatomy
- Anatomy by dissection (20CP)
- Human or animal
- Visualising anatomy through imaging (20CP)

Course content: Year three

Advanced applied anatomy

- Research-led
- Variation, aging, disease and dysfunction
- PPD and professional skills in anatomy

Honours research project

- Methods and communication

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Why Applied Anatomy at Bristol?

Dissection: whole human or animal body

Only anatomy degree to enable specialization in human and veterinary anatomy

Transferable skills – PPD/vertical enrichment programme

Focus on employability

Clinical and industrial links

Vesalius clinical training Unit

CPD Division

Wide range of third year research projects

Leading researchers, clinicians, anatomists

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