Welcome to your Pharmacology offer holder event
School of Physiology, Pharmacology and Neuroscience
Pharmacology
Programme Director  Professor Stuart Mundell

Welcome
Dr Steve Fitzjohn
Admissions Tutor

Content
✓ What and how will I study?
✓ Why study at Bristol?

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School of Physiology Pharmacology & Neuroscience
Faculty of Life Sciences

B210 BSc Pharmacology (3 year)
B212 MSci Pharmacology (4 year)
B211 MSci Pharmacology with Study in Industry (4 year)

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Year 1

Mandatory Units
➢ Pharmacology 1A
   How do drugs interact with receptors
➢ Pharmacology 1B
   What are the processes involved in drug design and development
➢ Physiology 1A
   Learn how the different body systems work

Choose three optional units. Most popular choices:
(There may be limitations on combinations due to timetabling)
• Physiology 1B
• Biochemistry (2 units)
• Introduction to Neuroscience
• Cellular and Molecular Medicine
• The Science of Happiness

Programme Enhancement Activities
In addition to mandatory units, we run a programme of activities to help support your transition to University and engagement with your subject

Students undertaking a first year practical in the teaching lab
Year 2

Mandatory Units:

➢ Pharmacology of the Nervous system
  • How do drugs interact with the nervous system?
➢ Pharmacology of Body systems
  • Learn about drugs affecting different parts of the body
➢ Biomedical sciences skills unit
  • Employability - C.V. and interview preparation
  • Data interpretation statistical analysis
  • Enterprise skills

Plus choose 3 optional units:

Most popular choices:
• Neurophysiology
• Integrative Physiology
• Cellular physiology
• Molecular genetics
• Or an open unit e.g. modern language, Big Ideas in Science

Your mean year 2 mark counts 25% towards your BSc degree mark

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Year 1 and 2

How will I be taught?
You will take 3 units at a time in each teaching block
In **each unit** there are typically:

- 3 lectures a week
- 1 practical a week
- 1 tutorial/workshop every other week

How will I be assessed?

**End of unit assessments** are held in January for teaching Block 1 units and in May/June for teaching Block 2 units

**Typically:**
- Exams count 70% and coursework 30%
- Some optional units are all coursework-based

Focus is on developing learning skills and understanding core concepts.
Year 3 BSc

Three research-led units, chosen from e.g.:
- Receptor Signaling and Non-Drug Therapies
- Pharmacology of Ion Channels and Synaptic Transmission
- Pharmacology of the Nervous System

Skills unit
- Experimental design
- Data analysis
- Research papers

Research project
Experimental, data analysis, literature review

Units are research-led which means you are taught subject areas by staff that are experts

Assessment via: coursework, unit exams, project dissertation and project talk. 75% of degree mark for BSc

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Year 3 BSc Research projects

Examples of previous projects:

❖ Designing reagents for Drugs of Abuse testing
❖ Intracellular calcium handling by atrioventricular nodal and atrial cells
❖ Glutamate receptors and cardiac function
❖ Characterising Drosophila models of Alzheimer’s disease

Lab based research

Data analysis

Literature review and experimental design

There is a wide variety of different projects to choose from
Year 4 MSci

Units:
- Advanced project planning
- 14-week full time Research project
- Advanced creative communication
- Ideas and Enterprise

Focus is on:
- Project planning and execution
- Group work
- Communication skills

Minimum grade requirements
- Year 1: 40
- Year 2: 60
- Year 3: 50
- Year 4: 50

Ideal if you are thinking of doing a PhD or research career

Final year Assessment via coursework.
Contributions of marks to degree
- Year 1 – 0%
- Year 2 – 10%
- Year 3 – 40%
- Year 4 – 50%
MSci with year in Industry

- Industrial placement taken between years 2 and 3
- Return to complete year 3 as in BSc
- Research project is replaced by a grant proposal task

Why do the year in Industry?
- Experience how the Biomedical industry operates
- Would you enjoy full-time research?
- New skills: teamwork, target setting and meeting deadlines
- Financial benefits

Apply for placements during second year

Contributions of marks to degree
- Year 1 – 0%
- Year 2 – 15%
- Year 3 – 10%
- Year 4 – 75%

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Why Study Pharmacology at Bristol?

Continual commitment to excellence in Teaching and Research

On-line resources to support practical teaching

Virtual microscope

Human patient simulator – 'Athena'

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Why Study Pharmacology at Bristol?

• Small cohort -
• Excellent support
• Programme Enhancement Activities
• We support your transition to university
• Innovative teaching

Guardian 2020
Pharmacology 5th
Anatomy and Physiology 4th

2019
✓ Pharmacology: 95% - overall satisfaction
✓ Physiological science: 100% - Staff are good at explaining things
✓ Neuroscience: 95% - staff are good at explaining things
Thank you

Any questions?