



St Hilda's College  
UNIVERSITY OF OXFORD

May 2025

### Biomedical Sciences

Here is a reading list for those proposing to read Biomedical Sciences. It's a long list and you don't need all of them! I suggest that you talk to other students once you arrive.

Some of the books on the list are in the College and/or the Radcliffe Science Library (part of the Bodleian Library), but it is useful to have your own copy of favourites. You will each have a £60 book allowance from college to help towards buying new course textbooks (receipts are required).

There is no need to read anything before you come here but you could, of course, start reading the introductory textbooks. It's a good idea to start visiting websites with current events in Health Sciences so that you understand the landscape in which biomedical scientists work – like the BBC Health section <https://www.bbc.co.uk/news/health>

<https://www.ukri.org/>

We wish you good luck in the forthcoming results and look forward to welcoming you here at St Hilda's.

With best wishes

Assoc Prof. Philippa Hulley (Organising Tutor in Biomedical Sciences)

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## Biomedical Sciences Year 1 – Recommended Reading List

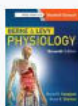
Please note this is a download of an online reading list that you will be able to access once your Oxford account has been created.

### Body



#### Medical physiology

Book - edited by Walter F. Boron; Emile L. Boulpaep - 2017



#### Berne and Levy Physiology

Book - by Robert M. Berne - 2018

Alternative material to Medical Physiology



#### Rang and Dale's pharmacology

Book - by James Ritter; R. J. Flower; G. Henderson; Yoon Kong Loke; David J. MacEwan; H. P. Rang - 2019; ©2020

e-book available via ClinicalKey Collection until the 4th of June. Go to this SOLO Link <http://solo.bodleian.ox.ac.uk/permalink/f/ds4uo7/LGDBaz/32832321> Select Login via your institution, UK Access Management Federation



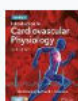
#### Oxford handbook of medical sciences

Book - by Robert Wilkins - 2011



#### Comprehensive Physiology

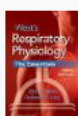
Webpage



#### Levick's introduction to cardiovascular physiology

Book - by Neil Herring; David J. Paterson - 2018 - Essential

Recommended further reading



#### West's respiratory physiology: the essentials

Book - by John B. West; Andrew Luks - 2016; ©2016

Access until July 31, 2020 provided by Kortext



#### Renal physiology

Book - by Bruce M. Koeppen; Bruce A. Stanton - 2013



#### Renal physiology

Book - by Bruce M. Koeppen; Bruce A. Stanton - 2019; ©2019

This is the most recent edition.

## Cells



### **The physiology of excitable cells**

Book - by David J. Aidley - 1998



### **Rang and Dale's pharmacology**

Book - by James Ritter; R. J. Flower; G. Henderson; Yoon Kong Loke; David J. MacEwan; H. P. Rang - 2019; ©2020



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### **Medical physiology**

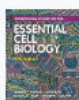
Book - edited by Walter F. Boron; Emile L. Boulpaep - 2017

## Genes



### **Essential cell biology**

Book - by Bruce Alberts; Dennis Bray; Karen Hopkin; Alexander Johnson; Julian Lewis; Martin C. Raff; K. Roberts; Peter Walter - 2014



### **Essential cell biology**

Book - by Bruce Alberts; Karen Hopkin; Alexander Johnson; David Morgan; Martin C. Raff; Keith Roberts; Peter Walter - 2019



This is the most recent edition. Access until June 30, 2020 provided by BibliU.



### **Introduction to genetic analysis**

Book - by Anthony J. F. Griffiths; Susan R. Wessler; John F. Doebley; Sean B. Carroll - 2015



Access until July 31, 2020 provided by Kortext



### **Lewin's genes XII**

Book - by Jocelyn E. Krebs; Stephen T. Kilpatrick; Elliott S. Goldstein - 2018

## Molecules

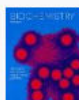


### **Textbook of biochemistry: with clinical correlations**

Book - edited by Thomas M. Devlin - 2011



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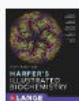


### **Biochemistry**

Book - by Jeremy M. Berg; John L. Tymoczko; Gregory J. Gatto; Lubert Stryer - 2019; ©2019



Access until July 31, 2020 provided by Kortext



### **Harper's illustrated biochemistry**

Book - by Victor W. Rodwell; David Bender; Kathleen M. Botham; Peter J. Kennelly; P. Anthony Weil - 2018; ©2018



### **Lippincott's illustrated reviews: cell and molecular biology**

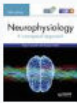
Book - by Nalini Chandar; Susan Viselli - 2018

## Brain



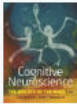
### Neuroscience: exploring the brain

Book - by Mark F. Bear; Barry W. Connors; Michael A. Paradiso - 2015



### Neurophysiology: a conceptual approach

Book - by R. H. S. Carpenter; Benjamin Reddi - 2012



### Cognitive neuroscience: the biology of the mind

Book - by Michael S. Gazzaniga; Richard B. Ivry; G. R. Mangun - 2014 - Further

 Access until June 30, 2020 provided by BibliU

## Behaviour

Older editions of these books are still suitable



### Sensation and perception

Book - by E. Bruce Goldstein; James R. Brockmole - 2016



### Physiology of behavior

Book - by Neil R. Carlson; Melissa A. Birkett - 2017



### Cognitive psychology: a student's handbook

Book - by Michael W. Eysenck; Mark T. Keane - 2015



### How genes influence behavior

Book - by Jonathan Flint; Ralph J. Greenspan; Kenneth S. Kendler - 2010

## Numerical and scientific skills

### Introduction to Probability and Statistics



#### Foundation maths

Book - by Tony Croft - 2016

Access until July 31, 2020 provided by Kortext.



#### Mathematics for biological scientists

Book - by Michael R. F. Aitken; Bill Broadhurst; S. B. Hladky - c2010



#### Practical statistics for the biological sciences: simple pathways to statistical analyses

Book - by Stephen J. H. Ashcroft; Chris Pereira - 2003



#### Essential medical statistics

Book - by Betty R. Kirkwood; Jonathan A. C. Sterne; Betty R. Kirkwood - 2003

## Chemistry



#### Physical chemistry for the life sciences

Book - by P. W. Atkins; Julio De Paula - 2011

Access until June 30, 2020 provided by BibliU



#### Physical biology of the cell

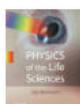
Book - by Rob Phillips; Jane Kondev; Julie Theriot; Hernan G. Garcia; Nigel Orme - 2013

## Physics



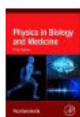
#### Introduction to biological physics for the health and life sciences

Book - by Kirsten Franklin - 2019



#### Physics of the life sciences

Book - by Jay Newman - 2008



#### Physics in biology and medicine

Book - by Paul Davidovits - 2019