



St Hilda's College
UNIVERSITY OF OXFORD

June 2024

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've starred ones that the Tutors particularly like but also suggest that you talk to students from other Colleges 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> and UKRI <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

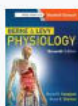
Please note this is a download of an online reading list that you will be able to access once your Oxford account has been created.

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



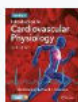
Oxford handbook of medical sciences

Book - by Robert Wilkins - 2011



Comprehensive Physiology

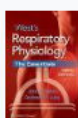
Webpage



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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<http://solo.bodleian.ox.ac.uk/permalink/f/ds4uo7/LGDBaz/32832321> Select Login via your institution, UK Access Management Federation



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



Access until July 31, 2020 provided by Kortext



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

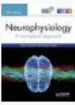
Book - by Nalini Chandar; Susan Viselli - 2018

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

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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

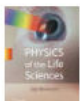
Book - by Rob Phillips; Jane Kondev; Julie Theriot; Hernan G. Garcia; Nigel Orme - 2013

Physics



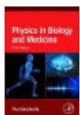
Introduction to biological physics for the health and life sciences

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