

**NANYANG TECHNOLOGICAL UNIVERSITY
SCHOOL OF BIOLOGICAL SCIENCES**

BS1100

MOLECULAR & CELL BIOLOGY TECHNIQUES LEVEL 1

Textbook

Rob Reed, David Holmes, Jonathan Weyers, Allan Jones, *Practical Skills in Biomolecular Sciences*, 2nd Edition, Pearson, Prentice Hall (Call no: QH506.P895)

BS2007

IMMUNOLOGY

Textbook

Kenneth P. Murphy, *Janeway's immunobiology*, 8th Edition, Garland Science, 2012
(Call no: QR181.M978 2012)

Reference

Abul K. Abbas, *Cellular and molecular immunology*, 7th Edition, Saunders/Elsevier, 2012
(Call no: QR185.5.A122 2012)

BS2008

EXPERIMENTAL MOLECULAR & CELL BIOLOGY

Textbook

Bruce Alberts, *Molecular biology of the cell*, 5th Edition, Garland Science, 2008
(Call No: QH581.2.M718 2008 + 1 DVD)

Reference

Robert H. Reed, *Practical skills in biomolecular sciences*, 3rd Edition, Prentice Hall, 2007
(Call no: QH506.P895 2007)

BS2009

ADVANCED BIOCHEMISTRY

Reference

Donald Voet, *Biochemistry*, 4th Edition, Wiley; 2010 (Call No: QP514.2.V876 2011)

John Kuriyan, *The molecules of life: physical and chemical principles*, Garland Science, 2012
(Call no: QH506.K96m)

Alan Fersht, *Structure and Mechanism in Protein Science: A Guide to Enzyme Catalysis and Protein Folding*, 1st Edition, W.H. Freeman & Company; 1998 (Call no: QD431.25.S85F399)

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John F. Atkins, *RNA worlds: from life's origins to diversity in gene regulation*, Cold Spring Harbor Laboratory Press, 2011 (Call no: QH450.R627rw)

Reference

James E. Darnell, *RNA: life's indispensable molecule*, Cold Spring Harbor Laboratory Press, 2011 (Call no: QP623.D223)

BS3017

ADVANCED MICROBIAL PATHOGENESIS

Textbook

Wilson B.A., *Bacterial pathogenesis : a molecular approach*, 3rd Edition, ASM Press, 2011 (Call No: QR201.B34S186 2011)

Reference

Walsh C., *Antibiotics : actions, origins, resistance*, ASM Press, 2003 (Call no: RM267.W223)

BS3019

NEUROPSYCHOLOGY OF STRESS AND RESILIENCE

Textbook

Robert M. Sapolsky, *Why Zebras don't get ulcers*, 3rd Edition, Holt Paperbacks, 2004 (Call No: QP82.2.S8S241)

BS3020

PLANT BIOTECHNOLOGY

Reference

Arie Altman; Paul Michael Hasegawa, *Plant Biotechnology and Agriculture: Prospects for the 21st Century*, 1st Edition, Academic Press, 2012 (Call no: TP248.27.P55P713pba)

C. Neal Stewart Jr., *Plant Biotechnology and Genetics: Principles, Techniques and Applications*, Wiley-Interscience, 2008 (Call no: TP248.27.P55P713 + 1 CD)

Maynard Smith, John, *The Major Transitions in Evolution*, Oxford University Press, 1997 (Call No: QH366.2.M471m)

