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In this title, scientists from the Wellcome Genome Campus reveal how this fast-growing area of biology is being used, and consider the ethical issues that are raised. Their exploration considers the technology needed to decipher the genomes of thousands of species; what genomics is revealing about human evolution; and the impact of genomics on medicine, asking how we can use genomics to identify rare diseases, track pathogens, and develop new drugs, vaccines, and cancer treatments.

'The future of biological research rests in the minds of the current generation of students. The Oxford Biology Primers will play an important role in inspiring those students to want to understand more about the world around them, in so doing setting them on the path of exploration and enquiry.'

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Professor Michael J Reiss FRSB,
UCL Institute of Education

'The Royal Society of Biology is delighted to have helped develop this invaluable series of biology textbooks. The only resource of its kind, the series brings together foundational biological theory with research from the frontiers of modern bioscience, on topics spanning the full breadth of life on Earth.'

**Professor Dame Julia Goodfellow
CBE CBiol FRSB**, RSB President

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