DESCRIPTION

Finally meeting the need for a laboratory manual on human genetics, this practical guide is the perfect companion title to all major standard textbooks on the subject. The authors all have a high-level research background and are actively involved in teaching and counseling.

Based on a standard curriculum in human genetics, each chapter equals one practical unit of the course and topics range from basics in human inheritance to genetics in major disease clusters and from bioinformatics and personalized medicine to genetic counseling.

ABOUT THE AUTHOR

Bahar Taneri is an Associate Professor of Molecular Biology and Genetics at Eastern Mediterranean University (EMU), Famagusta, Cyprus. After obtaining her Ph.D. degree from The Rockefeller University, New York, USA, in 2005, she has taught undergraduate and graduate level Genetics and Genomics modules at EMU, where she has served as the editor-in-chief of the university Research Newsletter for two years. At EMU, she has also been chairing the Department of Biological Sciences since 2013. She is an affiliated Researcher of the Institute of Public Health Genomics, Faculty of Health, Medicine & Life Sciences at Maastricht University, The Netherlands, since 2011. She authored several publications in the field of genome biology and alternative splicing and received several awards including a Fulbright Scholarship. Currently, her main research interests include public health genomics approaches for prevention of common complex diseases.
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Turem Delikurt graduated with a BSc in Biology from the University of South Dakota, USA, in 2003. She completed her MSc in Genetic Counselling with a merit from the University of Manchester, UK, in 2006. She has been working as a genetic counsellor in Cyprus since 2006. In 2015, she was registered by the European Board of Medical Genetics. Her main research interest is the exploration of genetic counselling in the context of culture. She is currently pursuing her Ph.D. degree, which is sponsored through the University of Plymouth, UK, entitled “Genetic Counselling in the Turkish Cypriot community”. Since 2004, she has been penning a weekly column titled "Genetics Today" at one of the main newspapers in North Cyprus, which aims to increase the general public's awareness about genetics and genetic technology. Over the years, she has been continuously involved in various civil society activities aimed at increasing the quality of care and life of patients/families at risk of or affected by genetic conditions in Cyprus.

Pembe Savas obtained her undergraduate degree in Medical Biochemistry from University of Leicester, UK, in 2011 and further received an MSc degree in Reproductive Science and Women's Health at University College London, UK, in 2012. She has completed her project on pre-implantation genetic diagnosis of beta-thalassaemia at Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus, in 2012, where she gained hands-on laboratory experience. Since 2013, Pembe Savas is working as a senior instructor in the Department of Biological Sciences at the Eastern Mediterranean University, Famagusta, Cyprus, where she is responsible for teaching numerous modules for the Molecular Biology and Genetics program. Currently, she is working towards a Ph.D. degree in the Institute of Public Health Genomics, Faculty of Health, Medicine & Life Sciences at Maastricht University, The Netherlands. Her research topic focuses on genetic testing in common complex diseases.

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