The Complexities, Key Concepts and Mechanisms of Immunology

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By

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ABOUT THE AUTHORS



Dr. Seema Tripathy, the author of this book, worked as a research scientist in the field of Biotechnology. Her research career involved working as a postdoctoral fellow (PDF) in the School of Biological Sciences at the National Institute of Science Education and Research (NISER), Bhubaneswar, and Women Scientist-A (Department of Science and Technology, Government of India) at Centre for Biotechnology, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar. She obtained her postgraduate degree from the

University of Hyderabad and pursues her Ph.D. in Biotechnology from Utkal University, Bhubaneswar. Her doctoral research was focused on the derivation, differentiation, and cryopreservation of fish embryonic stem cells. She utilized her expertise in stem cell isolation and developed a pipeline to isolate stem cells from unconventional resources like breastmilk and urine, which can be obtained via non-invasive procedures. She developed a cost-effective and simple protocol for the culture of breastmilkderived mesenchymal stem cells (BmDMSCs) which have a huge potential in biomedical applications involving the regeneration of injured tissues and repair of impaired organs. She is very passionate to develop stem cell technologies for use in biomedical practices toward human welfare. She authored the book on human anatomical and physiological systems published by VIVA publication house, India. She has high number of publications in reputed peer-reviewed journals and also filed a couple of patents. She felt the lack of a good quality, quick grasping and simple book on immunology during her tenure as a postgraduate student lecturer at Ravenshaw University. This need has eventually motivated her to write this book for undergraduate and postgraduate level students.



Ms. Rashmi Rekha Sahu, the second author of this book has obtained her post-graduation degree in Biochemistry from Ravenshaw Autonomous University, Cuttack. She is an excellent student having in-depth knowledge of science, particularly biochemistry and chemistry. The need of a book describing concepts and mechanisms of immunology in simple manner inspired her to write this book on immunology.

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