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Perceptions of People: Cues to Underlying Physiology and Psychology Kok Wei Tan, Lisa L. M. Welling, Ian D. Stephen, Alex L. Jones, Danielle Sulikowski, 2020-05-28 **Understanding Light Microscopy** Jeremy Sanderson, 2019-03-28

Introduces readers to the enlightening world of the modern light microscope There have been rapid advances in science and technology over the last decade and the light microscope together with the information that it gives about the image has changed too Yet the fundamental principles of setting up and using a microscope rests upon unchanging physical principles that have been understood for years This informative practical full colour guide fills the gap between specialised edited texts on detailed research topics and introductory books which concentrate on an optical approach to the light microscope It also provides comprehensive coverage of confocal microscopy which has revolutionised light microscopy over the last few decades Written to help the reader understand set up and use the often very expensive and complex modern research light microscope properly Understanding Light Microscopy keeps mathematical formulae to a minimum containing and explaining them within boxes in the text Chapters provide in depth coverage of basic microscope optics and design ergonomics illumination diffraction and image formation reflected light polarised light and fluorescence microscopy deconvolution TIRF microscopy FRAP super resolution techniques biological and materials specimen preparation and more Gives a didactic introduction to the light microscope Encourages readers to use advanced fluorescence and confocal microscopes within a research institute or core microscopy facility Features full colour illustrations and workable practical protocols Understanding Light Microscopy is intended for any scientist who wishes to understand and use a modern light microscope It is also ideal as supporting material for a formal taught course or for individual students to learn the key aspects of light microscopy through their own study

Australian Mammals Stephen M. Jackson, 2025-06-02 Australian Mammals Biology and Captive Management is a complete guide to the husbandry of all groups of Australian mammals This second edition has been updated based on the latest research bringing together current knowledge of the biology and behaviour of each species in captive situations and providing guidance for hand rearing It covers advances from the last 20 years including developments in assisted breeding genetic techniques updated taxonomy and the importance of Australian mammal welfare both physical and mental Written in collaboration with experts in captive management ecology and veterinary science chapters are presented for each taxonomic group of Australian mammals Each chapter covers animal welfare natural history housing requirements general husbandry feeding requirements handling and transport health requirements behaviour breeding and artificial rearing Australian Mammals provides practical guidance for zookeepers veterinarians zoologists researchers and students

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Dromedary Camel Behavior and Welfare Barbara Padalino, Bernard Faye, 2024-01-20 This volume gives a comprehensive review on

dromedary camel handling and management by respecting its welfare which is a global first Beyond that it provides a new welfare assessment tool Expert authors lay the groundwork for understanding the animals by covering domestication camels behavioral repertoire and needs as well as dromedary camel genetics and coping with production systems Then the reader is equipped with the latest expertise on good management practices in camel farms including transport feeding housing from racing to dairy systems and health and hygiene Moreover the impact of innovative reproduction techniques and finally slaughter are taken into account Camels long confined to desert areas and kept extensively have recently faced changes in husbandry systems and their environment Intensification and specialization for milk meat or sport purpose as well as new geographic conditions have had significant impact on camel welfare This book is a must read for all camel industry members breeders veterinarians and researchers who want to practice camel breeding and management while safeguarding the behavioral needs and welfare of these amazing animals Handbook of Motivation Science James Y. Shah, Wendi L.

Gardner, 2008-01-01 Integrating significant advances in motivation science that have occurred over the last two decades this volume thoroughly examines the ways in which motivation interacts with social developmental and emotional processes as well as personality more generally The Handbook comprises 39 clearly written chapters from leaders in the field Cutting edge theory and research is presented on core psychological motives such as the need for esteem security consistency and achievement motivational systems that arise to address these fundamental needs the process and consequences of goal pursuit including the role of individual differences and contextual moderators and implications for personal well being and interpersonal and intergroup relations **Wild Mammals in Captivity** Devra G. Kleiman, Katerina V. Thompson, Charlotte

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