

Erika Jensen-Jarolim *Editor*

Comparative Medicine

Anatomy and Physiology

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*To my unforgettable father.
Thank you for infecting your
children with your lively interest
in the animal kingdom and biology
from our very beginning. Following
your mandate, your grandchildren
Annika, Sebastian, and Christopher
are successfully contaminated.
Prosperous tree of life!*

Preface

In 2010 the Messerli Research Institute was founded as an interdisciplinary enterprise between the private Swiss Messerli Foundation and three universities: the University of Veterinary Medicine Vienna, Medical University Vienna, and University of Vienna. The intention was to investigate and improve all types of human–animal relationships and interactions.

In spite of the fact that human medicine and veterinary medicine share a long history of mutual fertilization, the number of interactions between these disciplines is still insufficient today. To foster the interdisciplinary dialogue for the sake of human and animal patients, the professorship for comparative medicine was embedded into the highly stimulating environment of the Messerli Research Institute.

In this first book, comparative medicine aligns head to head the anatomy and physiology of human and animal organisms to shape a solid basis for the understanding of conserved (or different) principles of life. It gives an outline on historic aspects and new identity of the discipline, as well as an update in juridical and ethical implications in the human–animal interaction.

We hope to enrich your reading with our contribution and thereby to contribute to the interdisciplinary dialogue.

Vienna, Austria

Erika Jensen-Jarolim

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Contents

1	Definition of Comparative Medicine: History and New Identity . . .	1
	Erika Jensen-Jarolim	
2	Smallest Unit of Life: Cell Biology	19
	Isabella Ellinger and Adolf Ellinger	
3	Supporting Apparatus of Vertebrates: Skeleton and Bones	35
	Wolfgang Sipos, Ursula Föger-Samwald, and Peter Pietschmann	
4	Locomotor Principles: Anatomy and Physiology of Skeletal Muscles	45
	Josef Finsterer	
5	Lifeblood Flow: The Circulatory Systems	61
	Claudia Stöllberger	
6	Steering and Communication: Nervous System and Sensory Organs	71
	Josef Finsterer, Hanna Schöpfer, and Sabine Breit	
7	Surface, Barrier, and Interface Zone: Comparative Aspects of the Skin	103
	Lucia Panakova and Krisztina Szalai	
8	Body Messaging: The Endocrine Systems	119
	Florian K. Zeugswetter and Erika Jensen-Jarolim	
9	Alimentation and Elimination: The Principles of Gastrointestinal Digestion	139
	Georg A. Roth, Hanna Schöpfer, and Kirsti Witter	
10	Volume and Clearance: Kidneys and Excretory Systems	161
	Erika Jensen-Jarolim, Hanna Schöpfer, and Simone Gabner	
11	Breathing: Comparative Aspects of the Respiratory System	179
	Hanna Schöpfer, Cordula Bartel, and Krisztina Szalai	
12	Propagation: Mammalian Reproduction	195
	Christine Aurich and Isabella Ellinger	

13	Common Concepts of Immune Defense	219
	Franziska Roth-Walter, Angelika B. Riemer, Erika Jensen-Jarolim, and Hannes Stockinger	
14	Laboratory Animal Law: An Introduction to Its History and Principles	267
	Regina Binder	
15	Ethics in Laboratory Animal Science	281
	Herwig Grimm	

List of Figures

Fig. 1.1	Armée de terracotta à Xi'an—China.	5
Fig. 1.2	Edward Jenner.	9
Fig. 1.3	Louis Pasteur, nineteenth-century scientist.	12
Fig. 2.1	The different levels of organization in multicellular organisms.	20
Fig. 2.2	The classification levels of organisms.	21
Fig. 2.3	Principal structures of prokaryotic and eukaryotic cells.	22
Fig. 2.4	Three different phenotypes out of the 230 specialized human cell types.	23
Fig. 2.5	Illustration of the steps of cell differentiation.	24
Fig. 2.6	Comparison of eukaryotic cells, prokaryotic cells and multicellular organisms.	25
Fig. 2.7	Some major ubiquitously used cellular molecules.	25
Fig. 2.8	Principal components of the cell membrane.	28
Fig. 3.1	Micro-computed tomography of bone of <i>Sus scrofa</i>	36
Fig. 3.2	Comparison of skeletons.	39
Fig. 3.3	The RANK-RANKL-OPG axis is the key regulatory pathway for osteoclastogenesis.	41
Fig. 4.1	A muscle fibre.	47
Fig. 4.2	The making of a neuromuscular end plate and a spinal reflex arc.	52
Fig. 4.3	The three muscle types, and smooth muscle function.	57
Fig. 5.1	The closed circulatory system in humans, mammals and fish.	63
Fig. 5.2	Graph summarizing hemolymph circulation.	64
Fig. 5.3	The pathway of blood flow through the heart, autoptic specimen of a human heart and electrocardiogram (ECG, EKG).	65
Fig. 6.1	Brain of a sheep and human.	74
Fig. 6.2	Schemes showing cranial nerves, visual projection pathway, and auditory pathway.	78
Fig. 6.3	Different types of neurons and electroencephalogram (EEG).	80
Fig. 6.4	The sympathetic and parasympathetic nervous system.	81
Fig. 6.5	The building of eyeball and inner ear of a vertebrate organism.	82

Fig. 7.1	The skin differentiates diversely in the species.	105
Fig. 7.2	The building plan of mammalian skin.	109
Fig. 7.3	Examples of appendices of the skin.	114
Fig. 8.1	The endocrine organs.	122
Fig. 8.2	Hormones and hormone actions.	126
Fig. 8.3	The endocrine function of the pancreas.	134
Fig. 9.1	Overview on the digestive systems of a human and a frog.	141
Fig. 9.2	Mammalian teeth specialized to carnose, vegetable, or mixed food.	144
Fig. 9.3	Human stomach macro- and microanatomy.	146
Fig. 10.1	Kidney anatomy and function.	164
Fig. 10.2	Top view on cast specimen of large uriniferous structures and on plastinated kidneys.	173
Fig. 10.3	Macro- and microscopic cross sections of the kidney.	174
Fig. 11.1	Comparative aspects of respiratory systems.	186
Fig. 11.2	Organs of the lower respiratory tract.	186
Fig. 11.3	The structure of lung alveoli and respiratory gas diffusion.	192
Fig. 12.1	Mammalian reproduction and comparison of mitotic and meiotic cell division.	197
Fig. 12.2	Schematic illustration of a cell cycle.	198
Fig. 12.3	Schematic illustration of the human reproductive system.	200
Fig. 12.4	Structure and comparison of the ovaries.	201
Fig. 12.5	Pathologic preparation of the uterus with the ovaries.	204
Fig. 12.6	The ovarian cycle is regulated by endocrine loops.	204
Fig. 12.7	Typical precopulatory behavior in stallions.	209
Fig. 12.8	Major steps during oogenesis/folliculogenesis and spermatogenesis.	210
Fig. 12.9	Major events during early embryonic development.	213
Fig. 13.1	The evolution of immunity.	222
Fig. 13.2	The initial response to a harmful stimulus by acute inflammation in mammals.	225
Fig. 13.3	All cellular blood components derive from hematopoietic stem cells.	230
Fig. 13.4	The architecture of lymphoid tissues in mammals.	245
Fig. 13.5	Characterization of the principles of adaptive humoral defense: Antibodies.	247
Fig. 13.6	Helper T cell activation and action.	249
Fig. 13.7	Cytotoxic T cell activation and action.	250