

Contents

Series Preface	v
Volume Preface	vii
Contributors	xi
Chapter 1 Overview: Development and Plasticity of the Central Auditory System	1
THOMAS N. PARKS AND EDWIN W RUBEL	
Chapter 2 Assembling, Connecting, and Maintaining the Cochlear Nucleus	8
EDWIN W RUBEL, THOMAS N. PARKS, AND LANCE ZIRPEL	
Chapter 3 Developmental Changes and Cellular Plasticity in the Superior Olivary Complex	49
ECKHARD FRIAUF	
Chapter 4 Plasticity of Binaural Systems	96
DAVID R. MOORE AND ANDREW J. KING	
Chapter 5 Experience-Dependent Response Plasticity in the Auditory Cortex: Issues, Characteristics, Mechanisms, and Functions	173
NORMAN M. WEINBERGER	
Chapter 6 The Avian Song Control System: A Model for Understanding Changes in Neural Structure and Function	228
ELIOT A. BRENOWITZ AND SARAH M.N. WOOLLEY	

Chapter 7 Plasticity in the Auditory System of Insects 285
REINHARD LAKES-HARLAN

Index 313

Contributors

ELIOT A. BRENOWITZ
Departments of Psychology and B
Research Center, University of Wa

ECKHARD FRIAUF
Abteilung Tierphysiologie, Fachbe
D-67653 Kaiserslautern, Germany

ANDREW J. KING
University Laboratory of Physiolo

REINHARD LAKES-HARLAN
Georg-August Universität Götting
37073 Göttingen, Germany

DAVID R. MOORE¹
MRC Institute of Hearing Resear
UK

THOMAS N. PARKS
Department of Neurobiology & A
cine, Salt Lake City, UT 84132-3

EDWIN W RUBEL
Virginia Merrill Bloedel Heari
Otolaryngology-Head and Neck S
98195, USA

NORMAN M. WEINBERGER
Center for the Neurobiology of L
robiology & Behavior, University

¹Former address: University Laborator