

THE BRAIN WITHOUT OXYGEN

# **The Brain Without Oxygen**

**Causes of Failure-Physiological and Molecular  
Mechanisms for Survival**

by

**Peter L. Lutz**

*Florida Atlantic University,  
Boca Raton, U.S.A.*

**Göran E. Nilsson**

*University of Oslo,  
Oslo, Norway*

and

**Howard M. Prentice**

*Florida Atlantic University,  
Boca Raton, U.S.A.*

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## PREFACE

This third edition was motivated from comments and feedback from our readers to provide an increased molecular perspective. Not only has the original material been updated but new sections have been added on the mechanisms of brain hypoxia tolerance shown by some exceptional vertebrate species. New chapters have been added on oxygen sensing, molecular aspects of brain ischemia and acclimation to brain hypoxia.

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