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## **Preface**

The aim of this second edition of *Biological Aging: Methods and Protocols* is to provide an update of the most useful and promising methods currently available to study aging. Due in part to the encompassing nature of aging, many new tools for its analysis have emerged. *Biological Aging: Methods and Protocols* provides not only several of the established techniques but also some of the most recent and exciting breakthroughs in technology in this field that have served to advance the study of aging.

It would be unrealistic to attempt to amass all of the methods applied to biological aging in one book. The tools detailed in this book include established protocols such as aging cell culture as well as many more contemporary approaches such as nuclear transfer, microarray, and proteomics technologies. Collectively, these powerful protocols combined with the many other techniques that are presented are rapidly advancing the exciting and expanding field of biological aging.

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