Preface

Neurodegenerative disorders, such as Alzheimer's and Parkinson's disease, are becoming a growing burden on our society, in parallel with the aging of the world's population. Understanding and treating these common diseases is one of the major current challenges for the biomedical field.

In *Neurodegeneration: Methods and Protocols*, experts in the field tackle this challenge, and present cutting edge analytical and technological approaches to study the mechanisms underlying neurodegenerative processes.

Chapters include protocols for isolating and culturing cells from the nervous system, production and use of animal models, characterization of cell death, analytical tools to study disease mechanisms, and therapeutic approaches for neurodegeneration.

Each chapter composed in the highly successful *Methods in Molecular Biology* series format contains introduction of the topic, list of necessary reagents, step-by-step methods, and notes on troubleshooting and avoiding known pitfalls, for reproducible laboratory results.

Target audience: Cell biologists, molecular biologists, biochemists, pathologists, and researchers in the field of neurodegeneration.

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