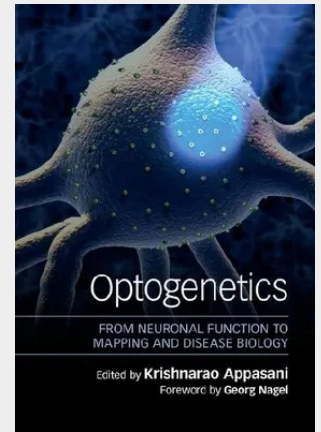


Optogenetics

Discovered little more than a decade ago, optogenetics - a revolutionary technique combining genetic and optical methods to observe and control the function of neurons - is now a widely used research tool. Optogenetics-driven research has led to insights into Parkinson's disease and other neurological and psychiatric disorders. With contributions from leaders and innovators from both academia and industry, this volume explores the discovery and application of optogenetics, from the basic science to its potential clinical use. Chapters cover a range of optogenetics applications, including for brain circuits, plasticity, memory, learning, sleep, vision and neurodegenerative and neuropsychiatric diseases. Providing authoritative coverage of the huge potential that optogenetics research carries, this is an ideal resource for researchers and graduate students, as well as for those working in the biotechnology and pharmaceutical industries and in a clinical setting.

**206,80 €**

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*Lieferfrist: bis zu 10 Tage***Artikelnummer:** 9781107053014**Medium:** Buch**ISBN:** 978-1-107-05301-4**Verlag:** Cambridge University Press**Erscheinungstermin:** 26.03.2019**Sprache(n):** Englisch**Auflage:** Erscheinungsjahr 2019**Produktform:** Gebunden**Gewicht:** 1044 g**Seiten:** 544**Format (B x H):** 175 x 250 mm