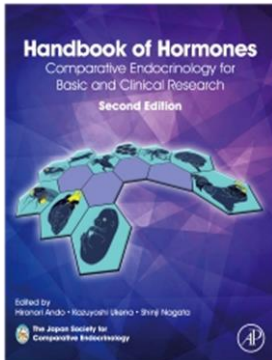


# Handbook of Hormones 2nd Edition

## Comparative Endocrinology for Basic and Clinical Research

Edited by Hironori Ando, Kazuyoshi Ukena, Shinji Nagata <Academic Press USA>



英語版 1,174 頁 刊行 2021 年

定価 US\$250 (Elsevier)、38,500 円 (税込、南江堂)

**6 年ぶりの改訂第 2 版が米国 Academic Press から刊行されました！**

多様なホルモンがどのように関連しているのかが理解できる、ホルモンと受容体の構造と機能の基本情報が網羅されたホルモンのカタログといえるハンドブック。

### 主な特徴：

- ・ ホルモンを起源ごとに分類し、相互の関係を理解しやすいように掲載。
- ・ 脊椎動物と無脊椎動物の各系統におけるホルモンの構造と機能の基礎情報から臨床応用まで、ホルモンに関する幅広い情報を網羅。
- ・ 254 種類のホルモンと 46 のグループ/ファミリーに関するエッセンシャルな情報を掲載。
- ・ 新規の神経ペプチド、サイトカイン、成長因子、生体アミン、アミノ酸など、内分泌・パラクリン・神経伝達による細胞間コミュニケーションに重要な 47 種類のホルモンを新たに収録。
- ・ シンテニー、ゲノム配列、包括的な分子系統樹などの比較ゲノム情報に基づいて、ホルモンの進化に関する最新の情報を概括。

### 概要：

本書は、基礎生物学から臨床応用まで、ホルモンの構造と機能に関する基本的な情報がまとめられている。ホルモンの化学的・分子的特性、受容体、シグナル伝達経路、およびホルモンが制御する生物機能に関する具体的な事実を迅速に知ることができる。

日本比較内分泌学会に所属する最先端のホルモン研究者を中心とした著者と編集委員により、ホルモンと受容体の分子進化を基に各ホルモンの構造と機能が簡潔にまとめられており、それらが構成する様々な化学情報伝達系の働きを理解するための有用な情報リソースになっている。

比較内分泌学領域は急速に拡大し続けており、ホルモンに関する新しい情報が毎日のように生み出されている。エンドクリン、パラクリン、オートクリン因子は、免疫、循環系、代謝、癌など、様々な現象で重要な役割を担っていることがわかる。

脊椎動物から無脊椎動物に至るまで、新規の制御因子を同定し、それがどのように生物の生理機能や生存を担っているかを理解することにより、内分泌学だけでなく、ホルモンに関わる様々な分野の研究者や学生、専門的職業従事者に、幅広いホルモン作用の理解の機会を提供する。

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