

## Endogenous toxins : diet, genetics, disease and treatment / edited by Peter J. O'Brien and W. Robert Bruce

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### Abstrak

Designed as a first-stop reference for researchers and professionals in toxicology, pharmacology and medicine, this handbook is the to tie together the knowledge from many disciplines that has so far been available only from widely dispersed sources in the primary literature. As such, it presents the complete picture on what is currently known about endogenous toxins, including their generation, mode of action, resulting disease condition, and available countermeasures. Clearly divided into four parts, the first systematically covers important toxic molecule species, including metabolic intermediates and reactive oxygen species. The second discusses the role of genetically determined metabolic malfunctions, such as galactosemia, hyperlipidemia, porphyria, hemochromatosis and related conditions, while part three looks at acquired and chronic diseases caused or exacerbated by endogenous toxins, such as hepatic injury, asthma, rheumatism, colorectal cancer, reperfusion diseases, neurodegeneration and aging. The final part reviews currents strategies to control and minimize the effect of endogenous toxins, either by nutritional or pharmacological interventions. With its complete coverage integrating molecular and systemic aspects from the biochemical basis to human disease conditions.