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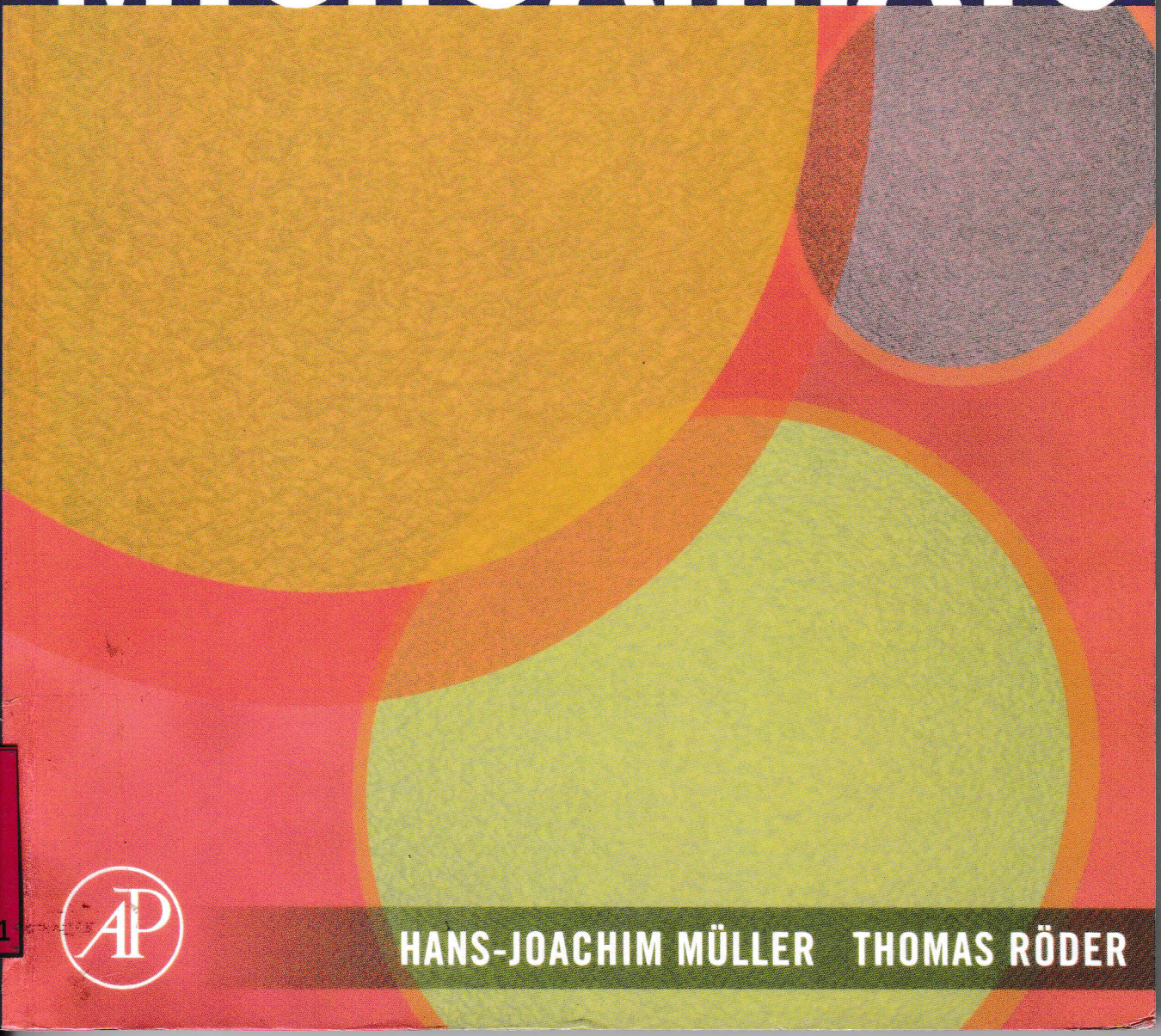
MICROARRAYS



HANS-JOACHIM MÜLLER THOMAS RÖDER

MÜLLER
RÖDER

MICROARRAYS

Microarray technology allows us to answer many questions about gene expression and drug-target screening by employing high-throughput screening. This can be accomplished much more quickly and economically than ever before with the new technology. This new technology, however, is still relatively unfamiliar, so comprehensive specialized knowledge is helpful and sometimes necessary for an assessment of which application can and should be used.

This book dedicates itself to microarrays with clear and understandable explanations and an overview of the presently available hardware, biochips and software. Separate chapters cover the different requirements for DNA and protein chips as well as spotters and scanners.

Readers will appreciate helpful hints and reasoned analysis about requirements for furnishing or expanding their own microarray laboratory. In addition to high-throughput screening, patent search and the requirements of a "clean room" are discussed. A comprehensive glossary and company directory are included.

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