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Nota di contenuto	1. Quality in Non-GxP Research Environment -- 2. Guidelines & Initiatives for Good Research Practice -- 3. Learning from principles of evidence-based medicine to optimize nonclinical research practices -- 4. General Principles of Preclinical Study Design -- 5. Resolving the tension between exploration and confirmation in preclinical biomedical research -- 6. Blinding and Randomization -- 7. Out of control? Managing baseline variability in experimental studies with control groups -- 8. Quality of Research Tools -- 9. Genetic background and sex: impact on generalizability of research findings in pharmacology studies -- 10. Building robustness into translational research -- 11. Minimum information and quality standards for conducting, reporting, and organizing in vitro research -- 12. Minimum Information in In Vivo Research -- 13. A reckless guide to P-values: Local evidence, global errors -- 14. Electronic Lab Notebooks and Experimental Design Assistants -- 15. Data storage -- 16. Design of meta-analysis studies

-- 17. Publishers' responsibilities in promoting data quality and reproducibility -- 18. Quality governance in biomedical research -- 19. Good Research Practice – Lessons from Animal Care & Use -- 20. Research collaborations and quality in research: foes or friends? -- 21. Costs of implementing quality in research practice.

Sommario/riassunto

This open access book, published under a CC BY 4.0 license in the Pubmed indexed book series Handbook of Experimental Pharmacology, provides up-to-date information on best practice to improve experimental design and quality of research in non-clinical pharmacology and biomedicine.
