

Peer Review Summary

Date of Review: September 18, 2025

Reviewing Model: Claude 3.7 Sonnet

Article Details:

- Title: "Melanoma: General Hypothesis, Risk Factors, and Biological Behaviour - A Comprehensive Review"
- Author: Richard Murdoch Montgomery
- Affiliation: Scottish Science Society

Key Review Findings:

1. Manuscript Quality: Excellent comprehensive review of melanoma
2. Scope: Covers epidemiology, molecular pathogenesis, therapeutic advances
3. Strengths:
 - Systematic methodology
 - Integration of contemporary research
 - Multidisciplinary perspective
4. Recommendation: Accept with Minor Revisions

Primary Recommendations:

- Add schematic diagram of molecular pathways
- Expand global representation in research
- More explicit linkage of research priorities to clinical interventions

Significance: Valuable resource for oncology, dermatology, and cancer research professionals, providing a state-of-the-art synthesis of melanoma research as of 2024.

Overall Assessment: The manuscript offers a comprehensive, rigorous examination of melanoma, demonstrating significant scholarly value and potential impact on future research and clinical approaches.