

Peer Review

Review of: "Is There Any Reason to Stay in Human Genetic Societies as Cytogeneticists?"

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This commentary presents a timely and thought-provoking critique of the current trajectory of human genetic societies, particularly highlighting the marginalization of cytogenetics and the diminishing engagement with patient communities. The author effectively combines personal experience with professional observation to argue that an excessive focus on sequencing and single-gene paradigms risks narrowing the conceptual and educational scope of human genetics. The discussion is passionate and raises legitimate concerns regarding workforce training, academic representation, and the clinical relevance of chromosomal and structural genomic approaches. However, the manuscript would benefit from a more structured and evidence-based argument. To improve its impact and scholarly rigor, the author should incorporate quantitative data (e.g., trends in conference sessions, publication metrics, training program closures, workforce statistics), cite literature supporting claims about multifactorial disease causation and the diagnostic limitations of sequencing alone, and provide concrete comparative examples from societies in Australia, the USA, or Canada. Reframing some emotionally charged language into a more analytical tone would strengthen its acceptability in high-impact genetics forums. Additionally, proposing specific, actionable recommendations—such as integrating cytogenetics tracks into major congresses, developing joint training curricula, or establishing policy task forces—would transform the piece from a distress signal into a constructive roadmap for reform.

Declarations

Potential competing interests: No potential competing interests to declare.