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Exploring the sarcoma immune landscape

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Exploring the sarcoma immune landscape

1. The immune landscape of sarcomas is highly heterogeneous, both within and across subtypes; immunobiology should therefore be considered in the development of personalized treatment strategies. (this thesis)
2. A pre-existing immune response improves clinical outcome in undifferentiated pleomorphic sarcoma but not in myxofibrosarcoma, reflecting differences in immune functionality and tumor microenvironmental interactions. (this thesis)
3. Chordomas are more immunologically active than other primary bone sarcomas, with a subset exhibiting coordinated anti-tumor immune responses. (this thesis)
4. Immune infiltration and tumor cell transcriptional and metabolic states are tightly linked in chordoma, yet their causal relationship remains unresolved. (this thesis)
5. For selected sarcoma subtypes, the greatest clinical impact of immune checkpoint blockade may lie in combination with standard-of-care treatment in the primary setting. (*Mowery et al. Lancet 2024*)
6. Sarcoma immunogenicity is not adequately captured by current biomarkers. (*Rosenbaum et al. Clin Cancer Res 2026*)
7. The biological insights offered by high-dimensional cancer data are often underexploited due to an overemphasis on prognostic associations.
8. Regulatory and administrative complexity surrounding data and material sharing hampers timely collaboration in rare cancer research.
9. Although strength lies in numbers, every patient who can be helped should be considered a success.
10. Karaoke is an underrated networking activity – a universal language that helps people bond surprisingly well.