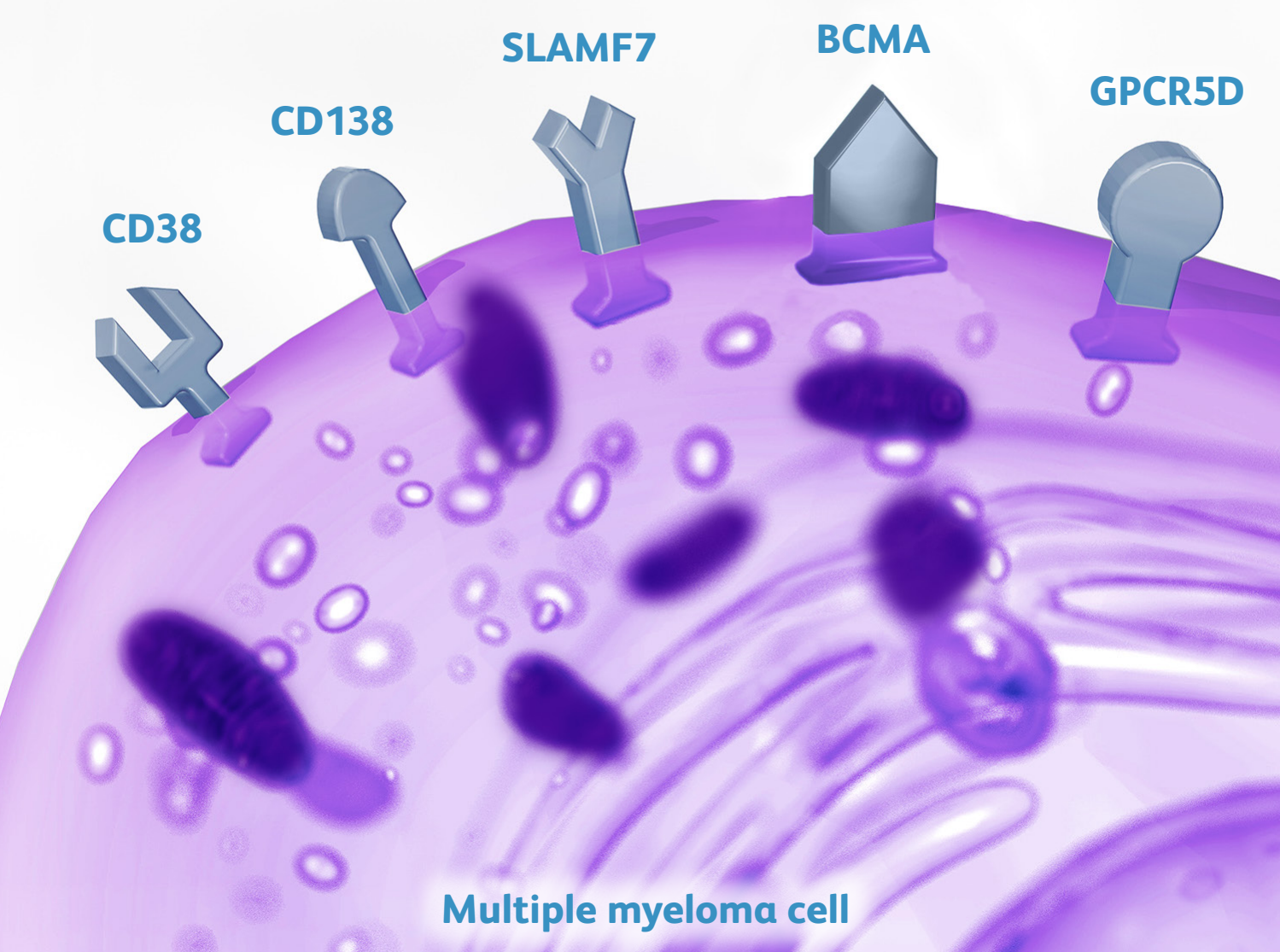


B-cell maturation antigen (BCMA) is an important target being explored in multiple myeloma¹

Potential therapeutic targets in MM



Multiple myeloma (MM) is a disease of a chronic and relapsing nature, and there remains an unmet need to explore additional therapeutic targets¹

- Various agents, with diverse mechanisms of action and distinct cell surface targets, including CD38, CD138, GPCR5D, SLAMF7, and BCMA, are approved or currently under investigation^{2,3}

The localization of BCMA to plasma cells, with lower expression levels on other cell types, makes it a suitable target for investigation¹

BCMA Expression Profile:

- **Selectively expressed on plasma cells:** BCMA is expressed on B-lineage cells, particularly plasmablasts and differentiated plasma cells, with minimal expression on hematopoietic stem cells or nonhematopoietic tissue^{1,4}
- **Overexpressed in MM:** BCMA is highly expressed on malignant plasma cells collected from patients with MM compared with normal mononuclear cells from healthy donors¹
- **Associated with myeloma cell survival and disease progression:** BCMA overexpression leads to enhanced expression of genes critical for growth, survival, and immunosuppression, and is associated with progression of MM in preclinical models and in humans¹

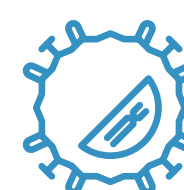
Approaches to targeting BCMA currently fall into three mechanistic classes¹:



Bispecific antibodies



Antibody-drug conjugates (ADCs)

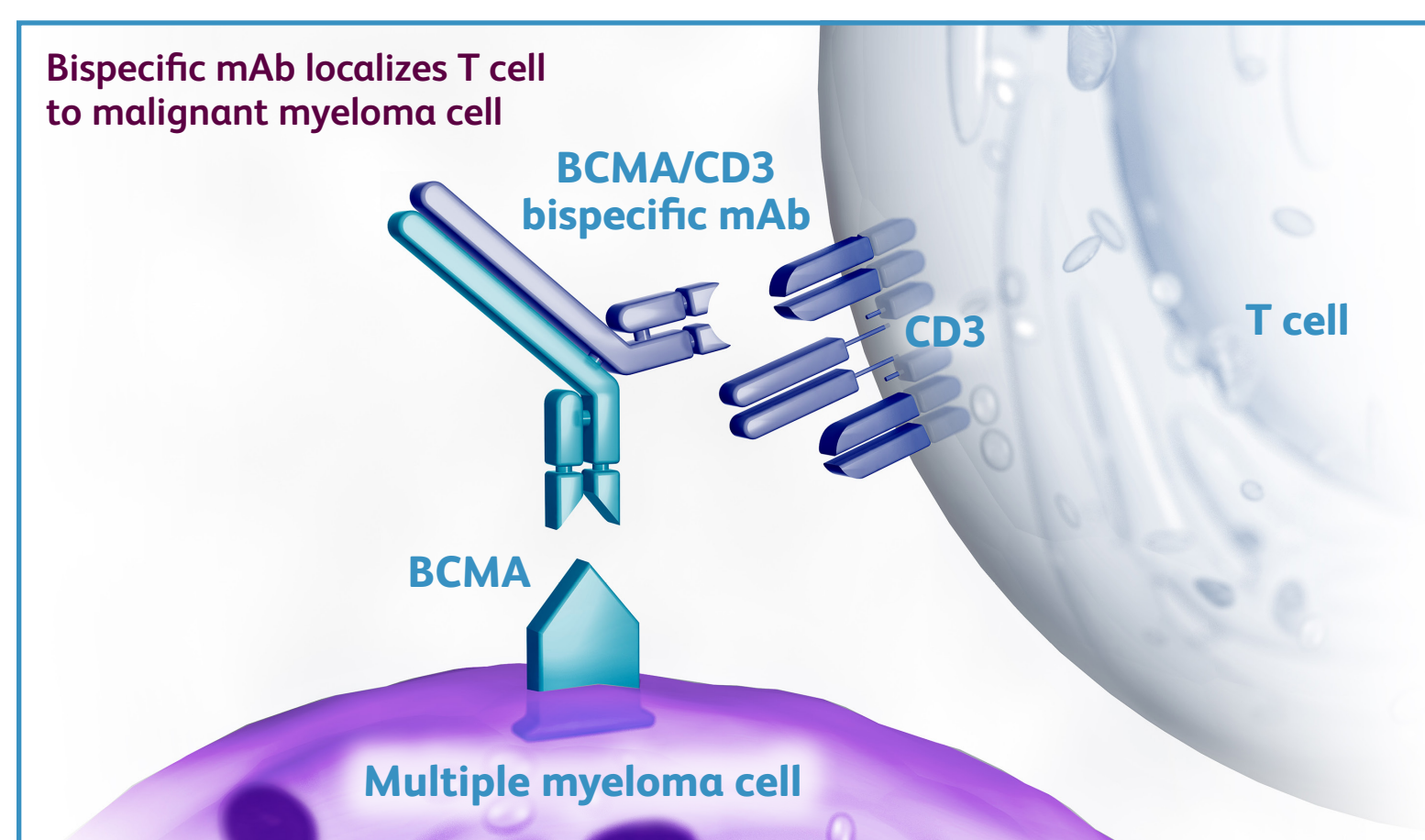


Chimeric antigen receptor (CAR) T cells

Bispecific antibodies (BsAbs) are one immunotherapeutic approach being explored⁵

- **Dual antigen specificity:** BsAbs are engineered to have dual antigen specificity¹
- **T-cell activation:** Anti-BCMA/CD3 BsAbs bind to CD3 on T cells and BCMA on myeloma cells, resulting in T-cell activation, proliferation, and cytokine release, with the ability to induce tumor cell lysis^{1,6}
- **MHC independent interaction:** Able to generate a robust T-cell response, engaging cytotoxic CD8+ T cells, as well as regulatory and helper CD4+ T cells^{5,7,8}

Bispecific mAb localizes T cell to malignant myeloma cell



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