

Antibody/Antigen Design

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graph TD; ASD([Antibody/Antigen Design]); BSI[Basic Scientific Inquiry]; MDS[Molecular Definition of Specificity]; BNAM[Broadly Neutralizing Antibody Mimicry]; ASD -- Informs --> MDS; MDS -- Informs --> BNAM; BSI --- BSI_L[• Germline sequences enable antibody polyspecificity]; MDS --- MDS_L[• Broadly neutralizing antibody redesign.]; MDS --- MDS_L2[• Cross-binding influenza antibodies.]; BNAM --- BNAM_L[• HIV neutralizing antibodies from HIV-naïve donors]; BSI --- Arrow[→]; MDS --- Arrow; BNAM --- Arrow; Arrow --- VA[Vaccine applicability];
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Basic Scientific Inquiry

- Germline sequences enable antibody polyspecificity

Molecular Definition of Specificity

- Broadly neutralizing antibody redesign.
- Cross-binding influenza antibodies.

Broadly Neutralizing Antibody Mimicry

- HIV neutralizing antibodies from HIV-naïve donors

Vaccine applicability