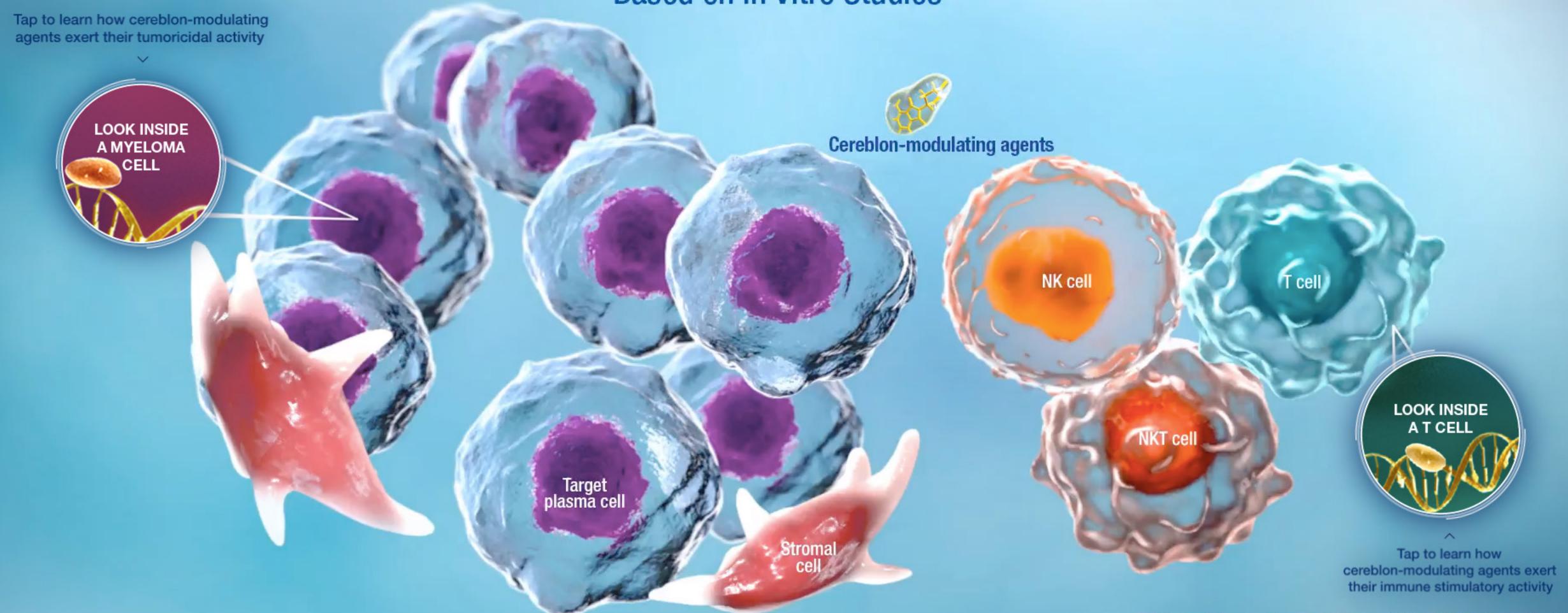
Explore Cerebion Modulation in Multiple Myeloma Based on In Vitro Studies¹⁻⁵



IMiDs belong to the class of cereblon E3 ligase modulators. While they have a shared target with novel agents such as iberdomide and CC-92480, their downstream effects differ.

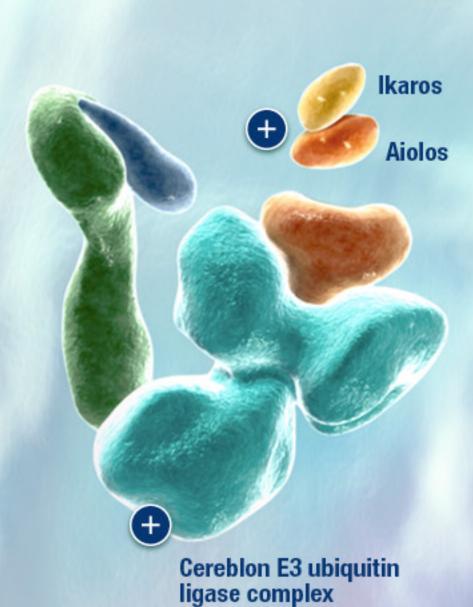
The safety and efficacy of the agents and/or uses under investigation have not been established. There is no guarantee that the agents will receive health authority approval or become commercially available in any country for the uses being investigated.





Role of Oncogenes in Myeloma Cell Activity

Based on In Vitro Studies



Initiates ubiquitin-mediated

protein degradation⁶

Add IMiD® Agents

Add CELMoD® Agents

Transcription factors







Nucleus

Cytoplasm

Upregulation of oncogenes IRF4 and c-MYC in myeloma cells promotes myeloma cell proliferation¹³

Proteasome

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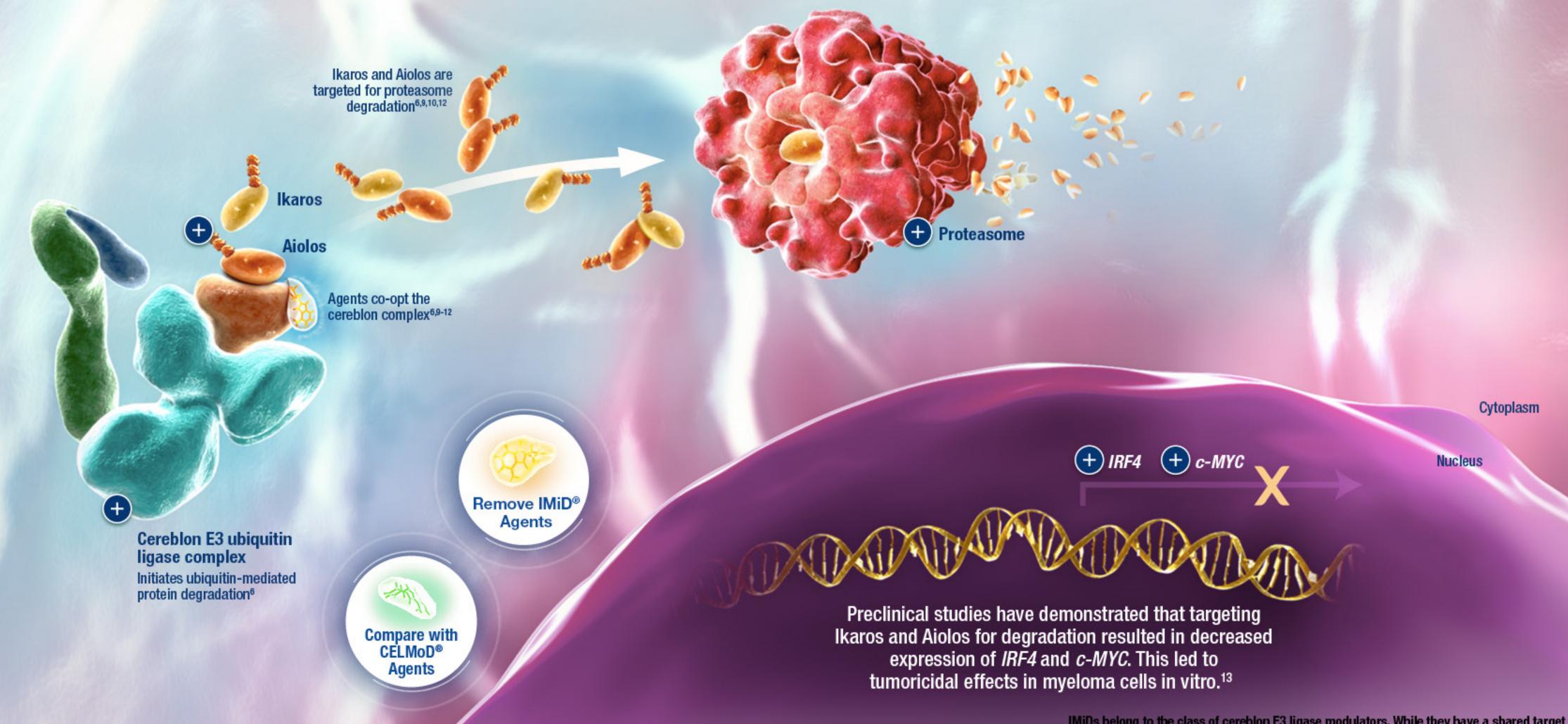
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Bristol Myers Squibb



Cereblon Modulation Inside a Myeloma Cell

Based on In Vitro Studies



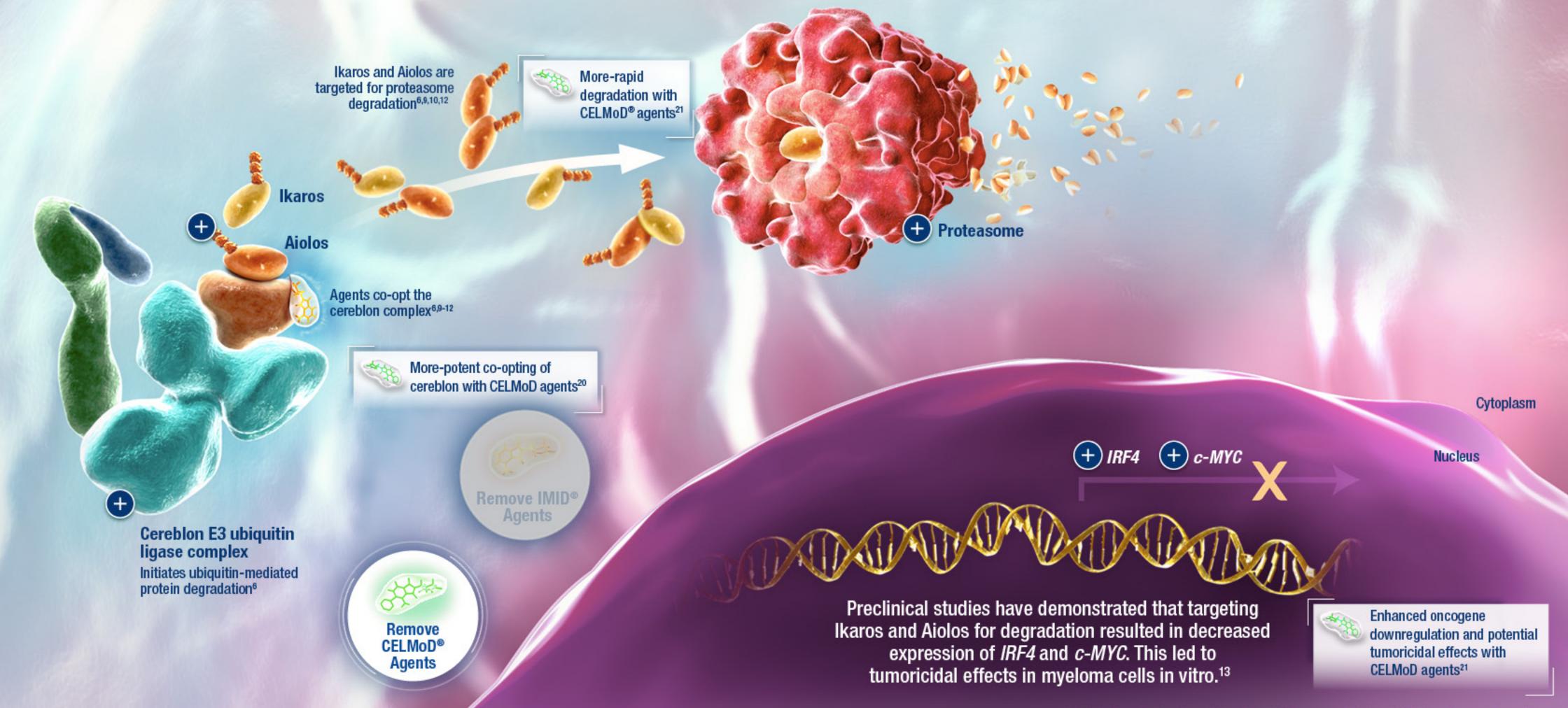
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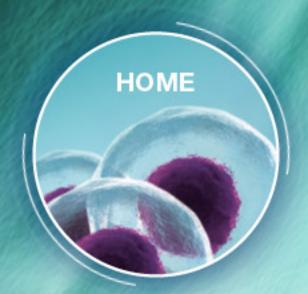
Based on In Vitro Studies



Bristol Myers Squibb

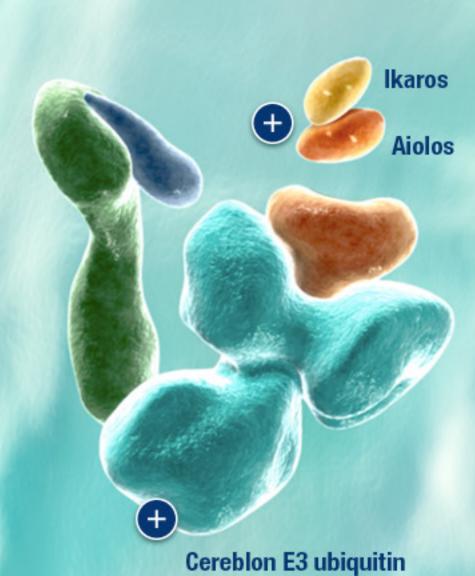
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T-Cell Activity in Multiple Myeloma

Based on In Vitro Studies



ligase complex

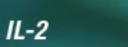
Initiates ubiquitin-mediated protein degradation⁶

Transcription factors









Nucleus

Cytoplasm

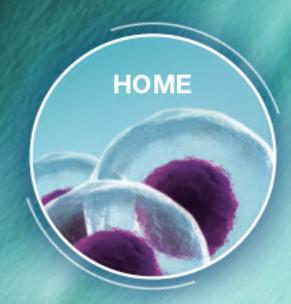
Ikaros and Aiolos repress IL-2 gene expression9

Proteasome

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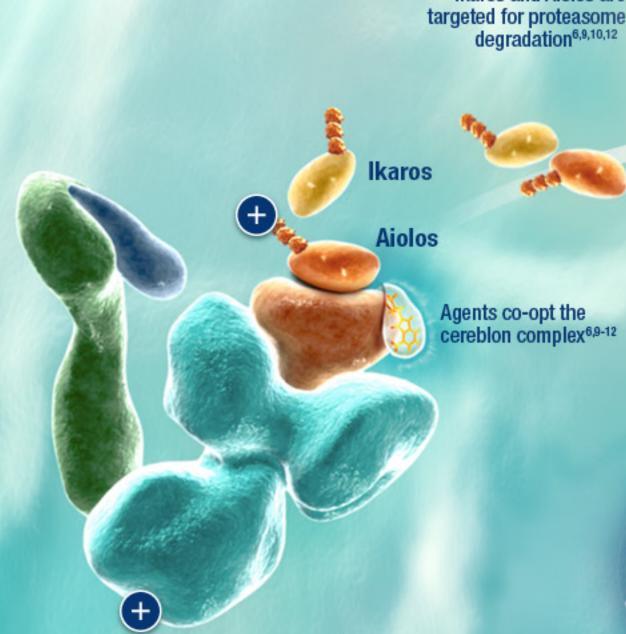
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Bristol Myers Squibb



Cereblon Modulation Inside a T Cell

Based on In Vitro Studies



Cereblon E3 ubiquitin ligase complex

Initiates ubiquitin-mediated protein degradation⁶





Ikaros and Aiolos are



Nucleus

Cytoplasm

Preclinical studies have demonstrated that targeting lkaros

Preclinical studies have demonstrated that targeting Ikaros and Aiolos for degradation resulted in increased expression of *IL-2*. This led to an increase in the number and function of NK and T cells.^{5,10,16}

Proteasome

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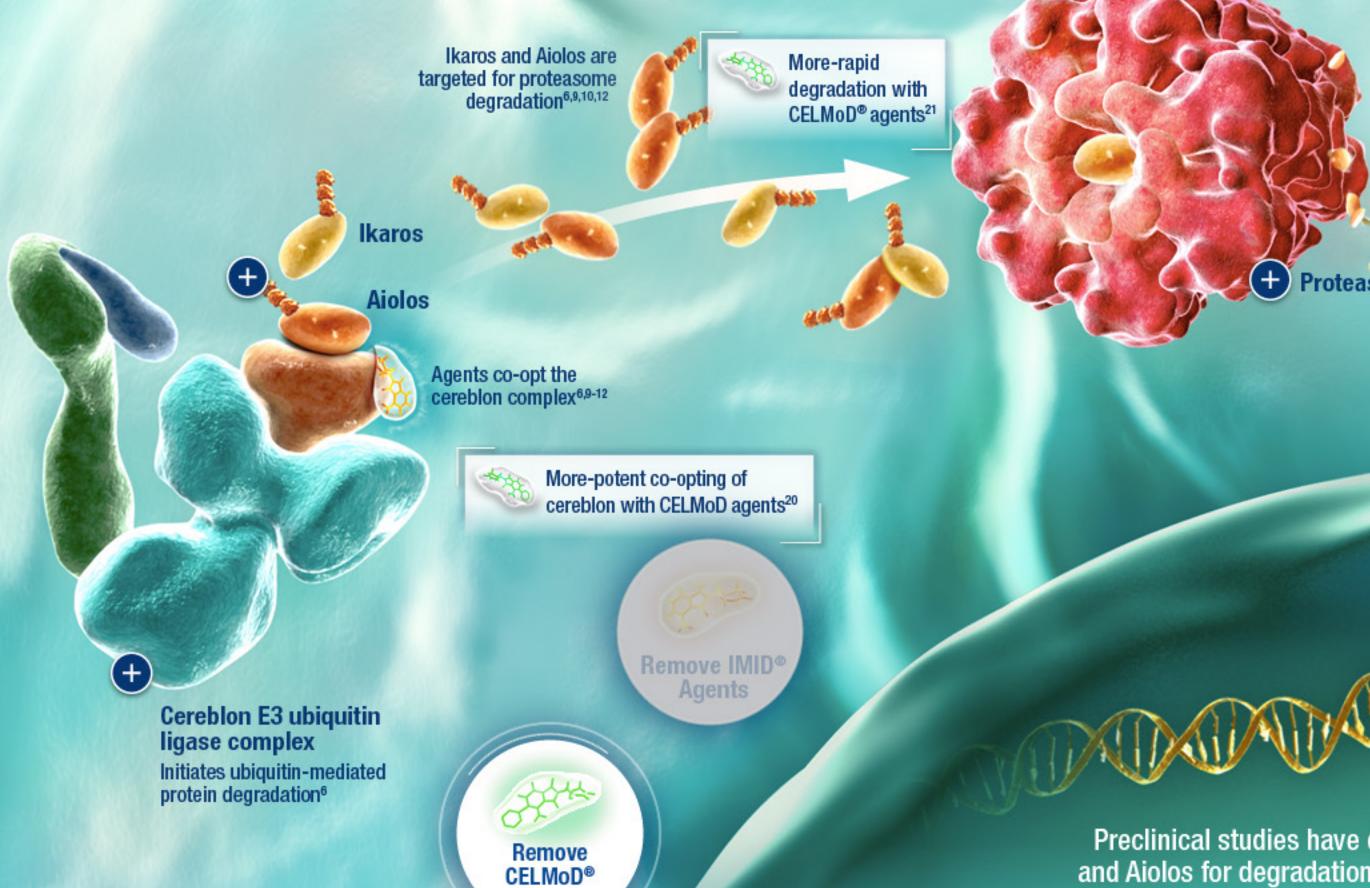
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Bristol Myers Squibb



Cereblon Modulation Inside a T Cell

Based on In Vitro Studies



Agents

Cytoplasm

Preclinical studies have demonstrated that targeting Ikaros and Aiolos for degradation resulted in increased expression of *IL-2*. This led to an increase in the number and function of NK and T cells.^{5,10,16}



Enhanced *IL-2* expression and immune stimulatory effect with CELMoD agents²¹⁻²³

Nucleus

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+ IL-2

