



Understanding host immune responses in *Clostridioides difficile* infection: implications for pathogenesis and immunotherapy

Lamei Wang^{1,2#}, Javier A. Villafuerte Gálvez^{2#}, Christina Lee²,
Shengru Wu¹, Ciaran P. Kelly², Xinhua Chen^{2*}, Yangchun Cao^{1,2*}

¹College of Animal Science and Technology, Northwest A&F University, China

²Division of Gastroenterology, Department of Medicine,
Beth Israel Deaconess Medical Center, Harvard Medical School,
Boston, Massachusetts, USA



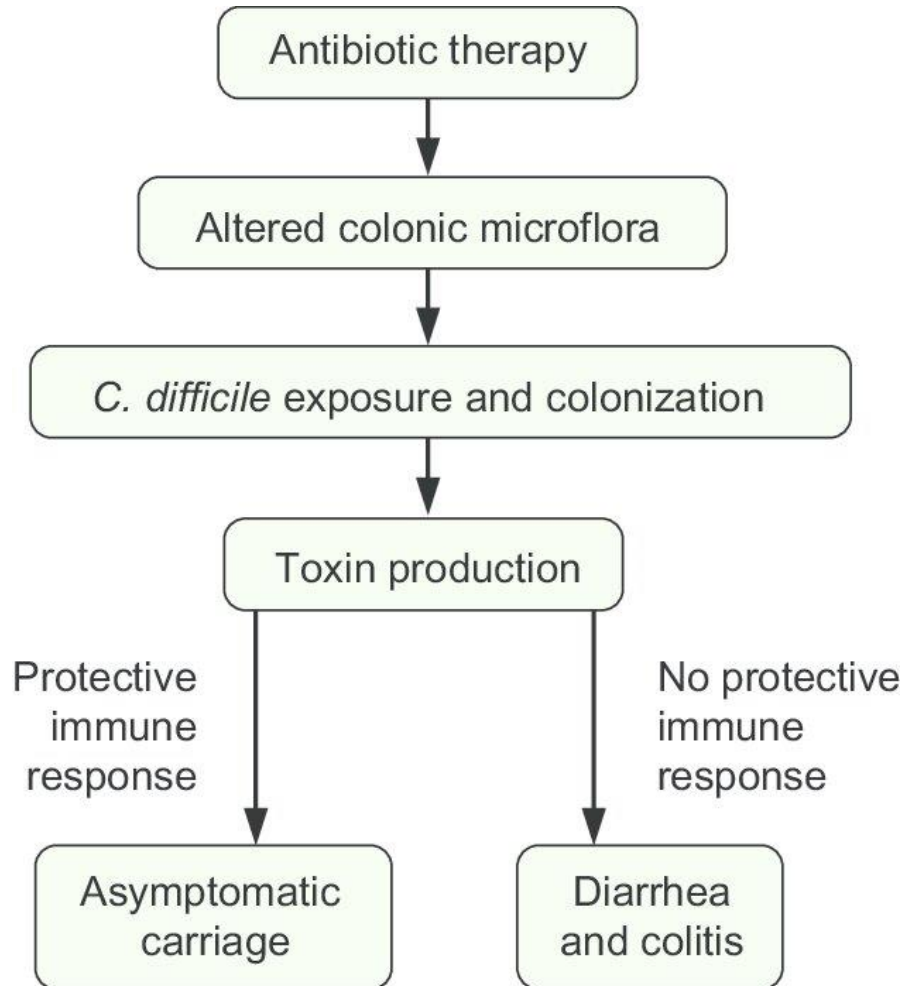
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Introduction

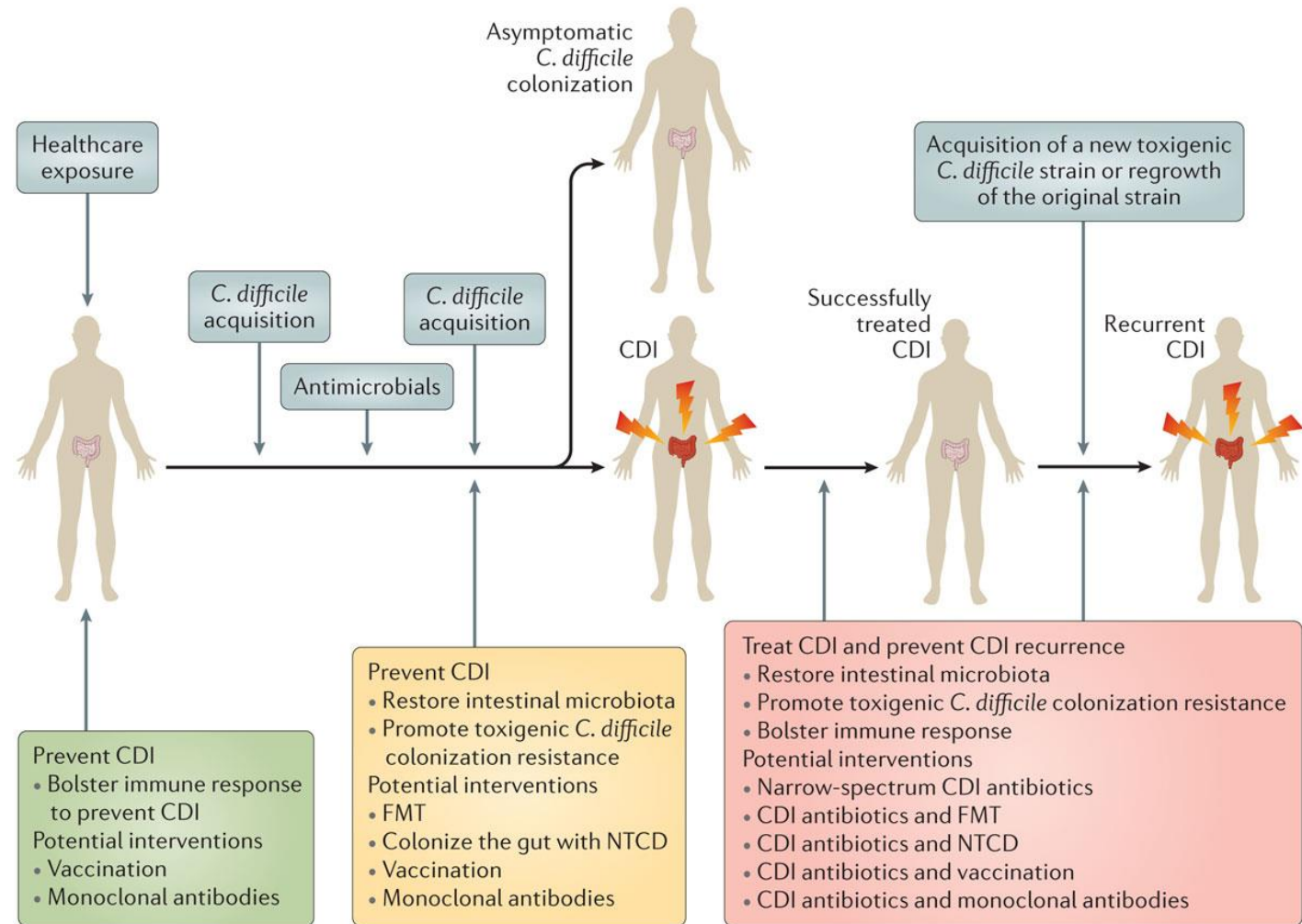
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C. difficile infection



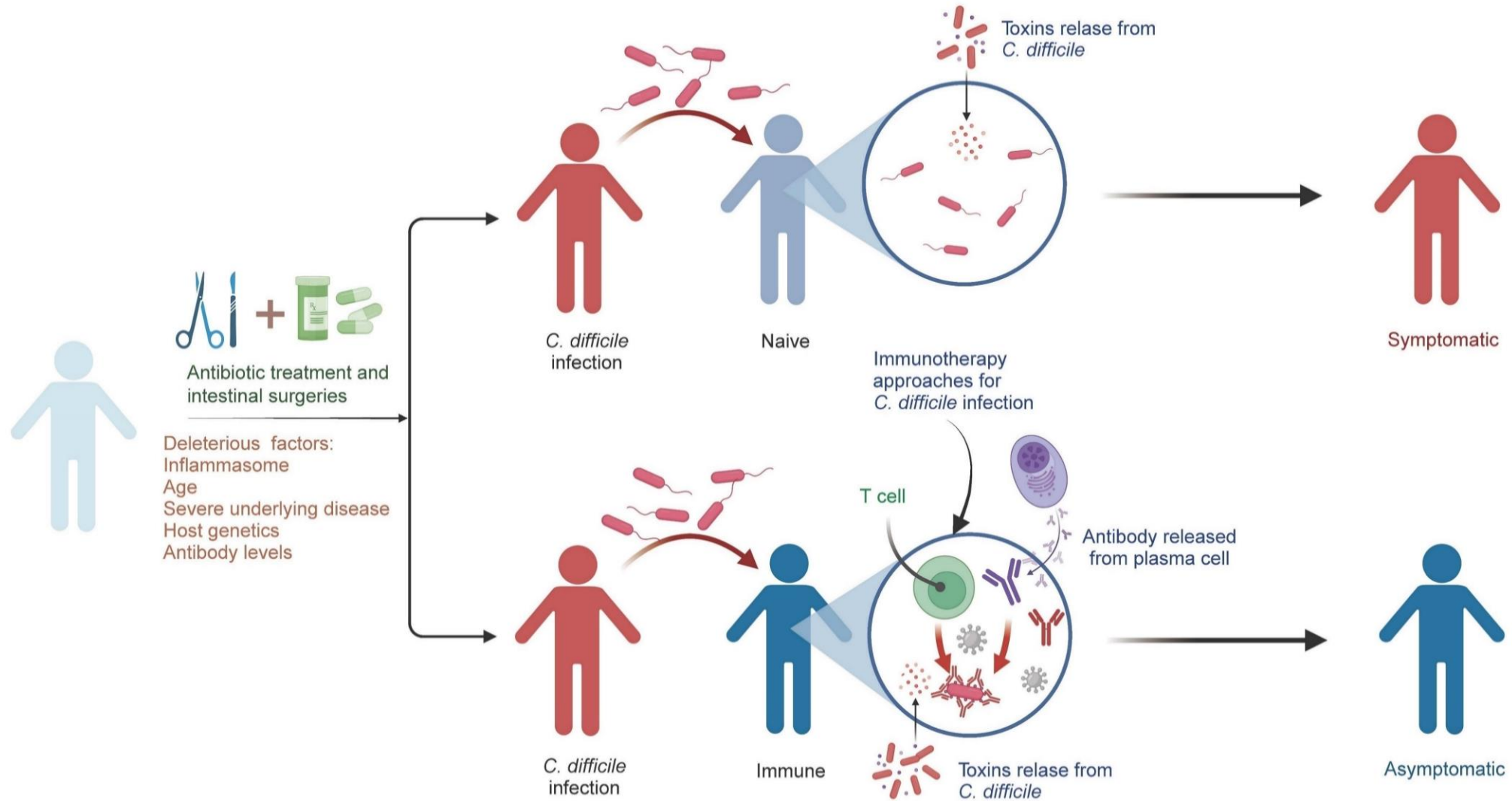
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Treatment strategies for CDI and recurrence





Highlights



C. difficile induce infection to activating host immune cells during CDI

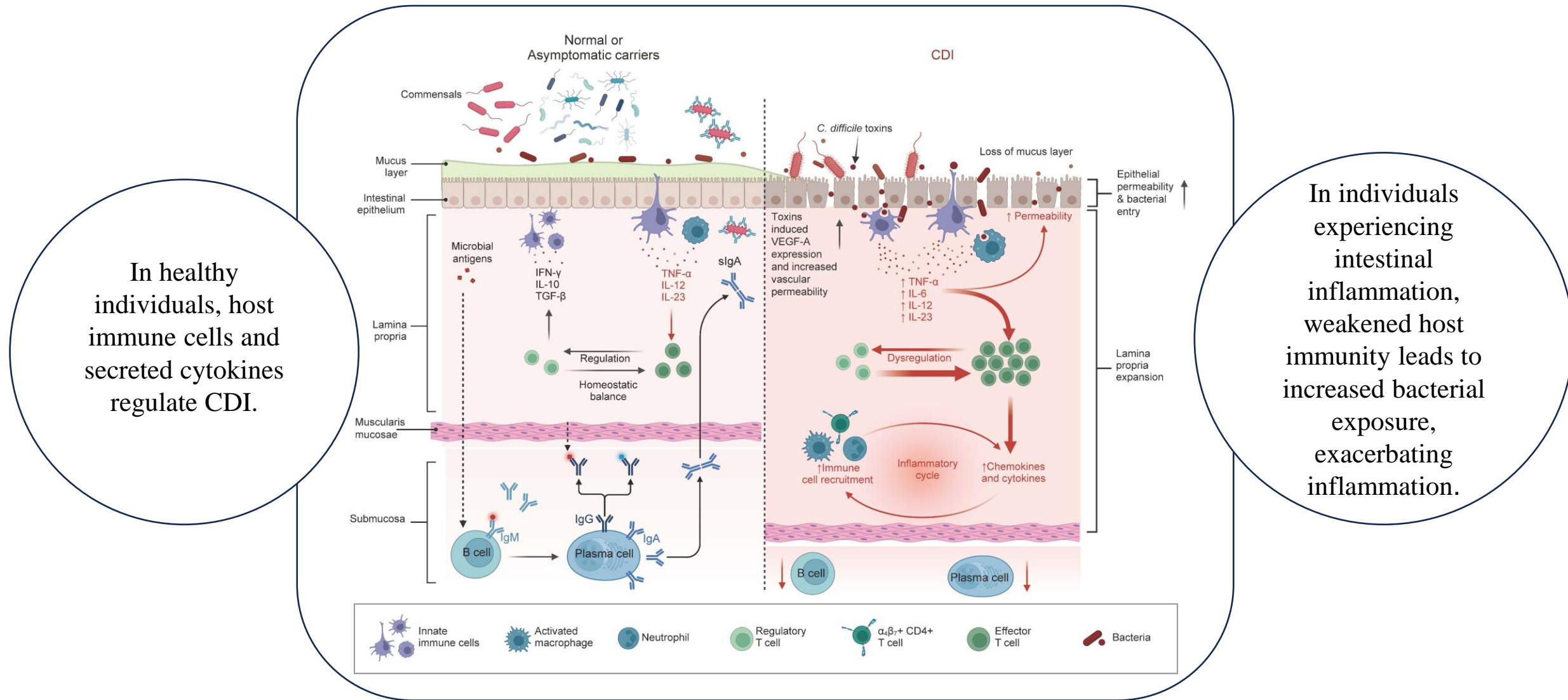


Figure 1 The intestinal immune response in health and CDI varies significantly between healthy individuals and those affected by CDI



Pathogenesis of CDI

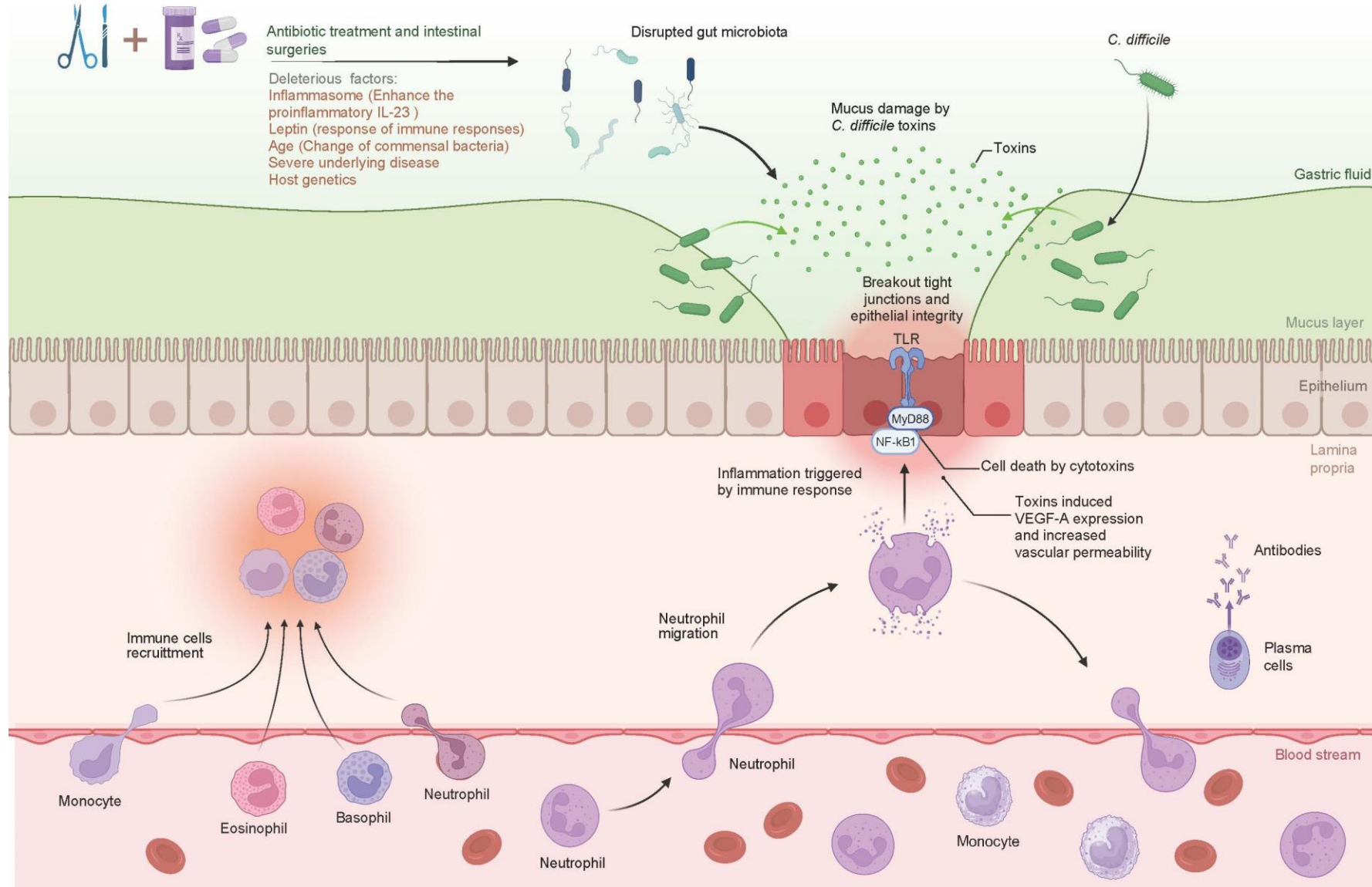


Figure 2 Pathogenesis of CDI



Intestinal immune system

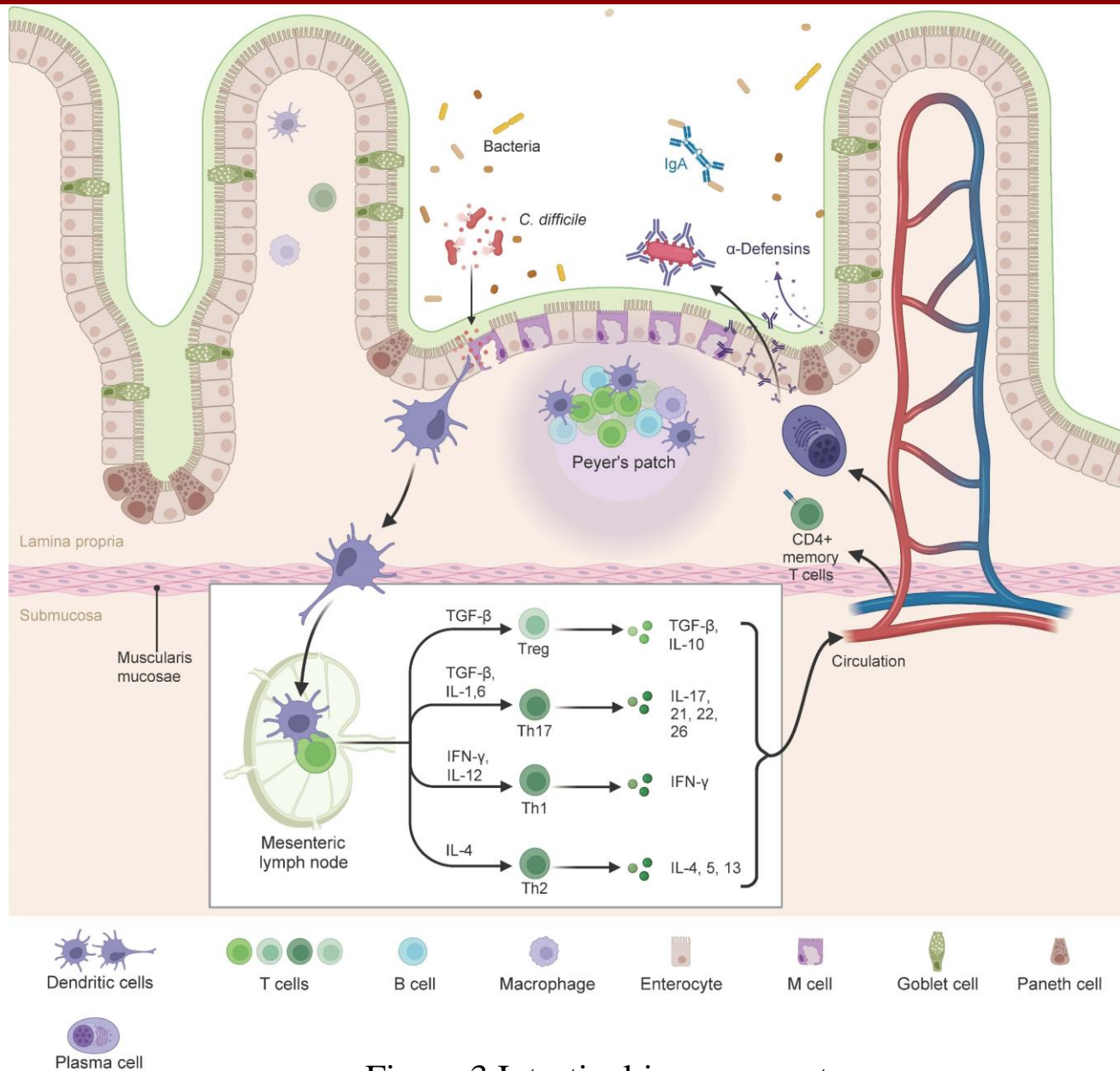


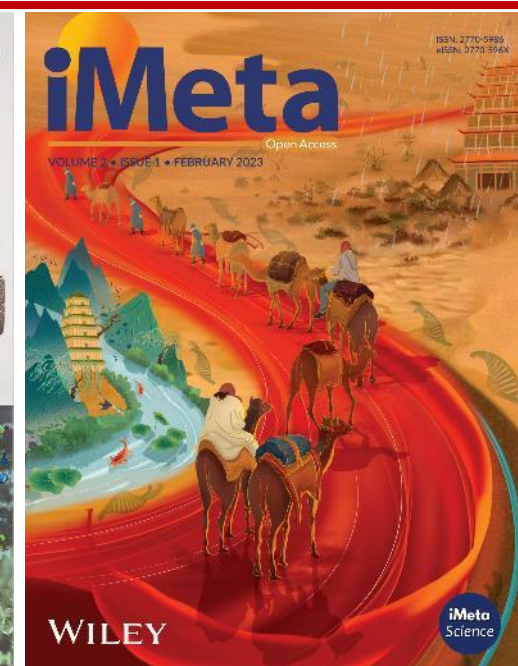
Figure 3 Intestinal immune system





Summary

- ❑ In this study, we highlight the significant role of the host immune response in combating CDI (*Clostridioides difficile* infection)."
- ❑ The immune system regulates inflammatory responses, identifying, eliminating, and preventing infections caused by gut microbiota.
- ❑ In addition, the host immune system promotes the proliferation of beneficial gut bacteria, maintaining intestinal homeostasis and reducing the risk of CDI.
- ❑ Website: <https://www.bioincloud.tech/>

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