

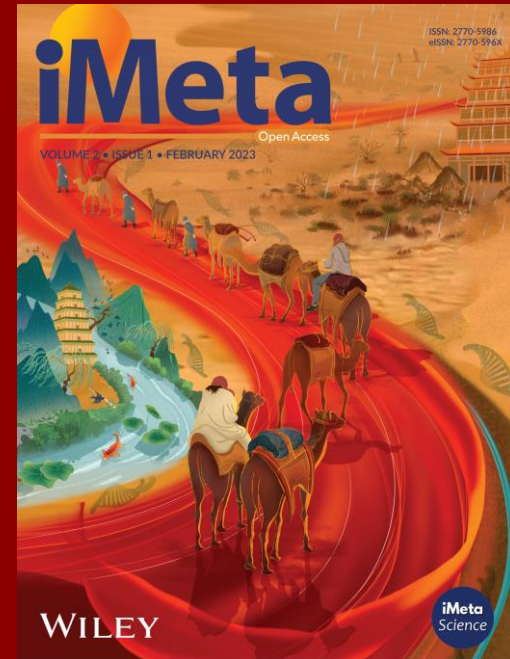


理解艰难梭菌感染中的宿主免疫反应： 对病原学和免疫治疗的意义

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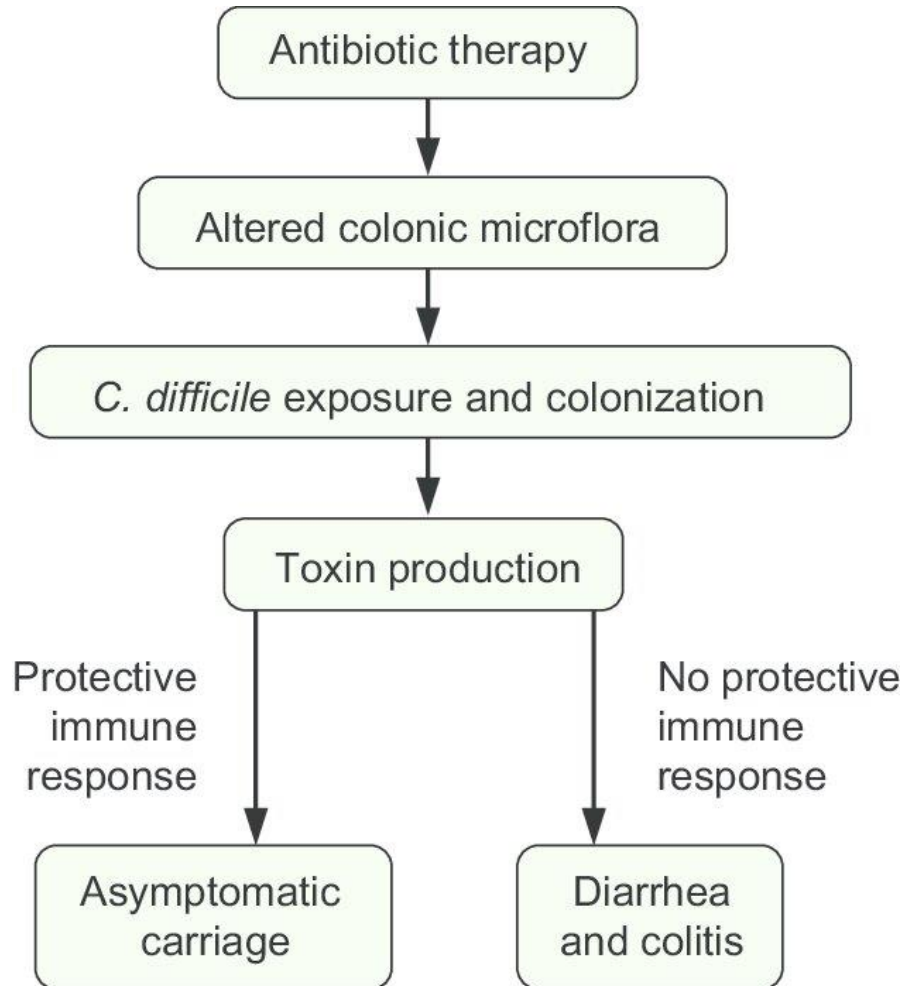
Lamei Wang, Javier A. Villafuerte Gálvez, Christina Lee, Shengru Wu, Ciaran P. Kelly, Xinhua Chen, Yangchun Cao. 2024. Understanding host immune responses in *Clostridioides difficile* infection: implications for pathogenesis and immunotherapy. *iMeta* 3: e200. <https://doi.org/10.1002/imt2.200>



简介

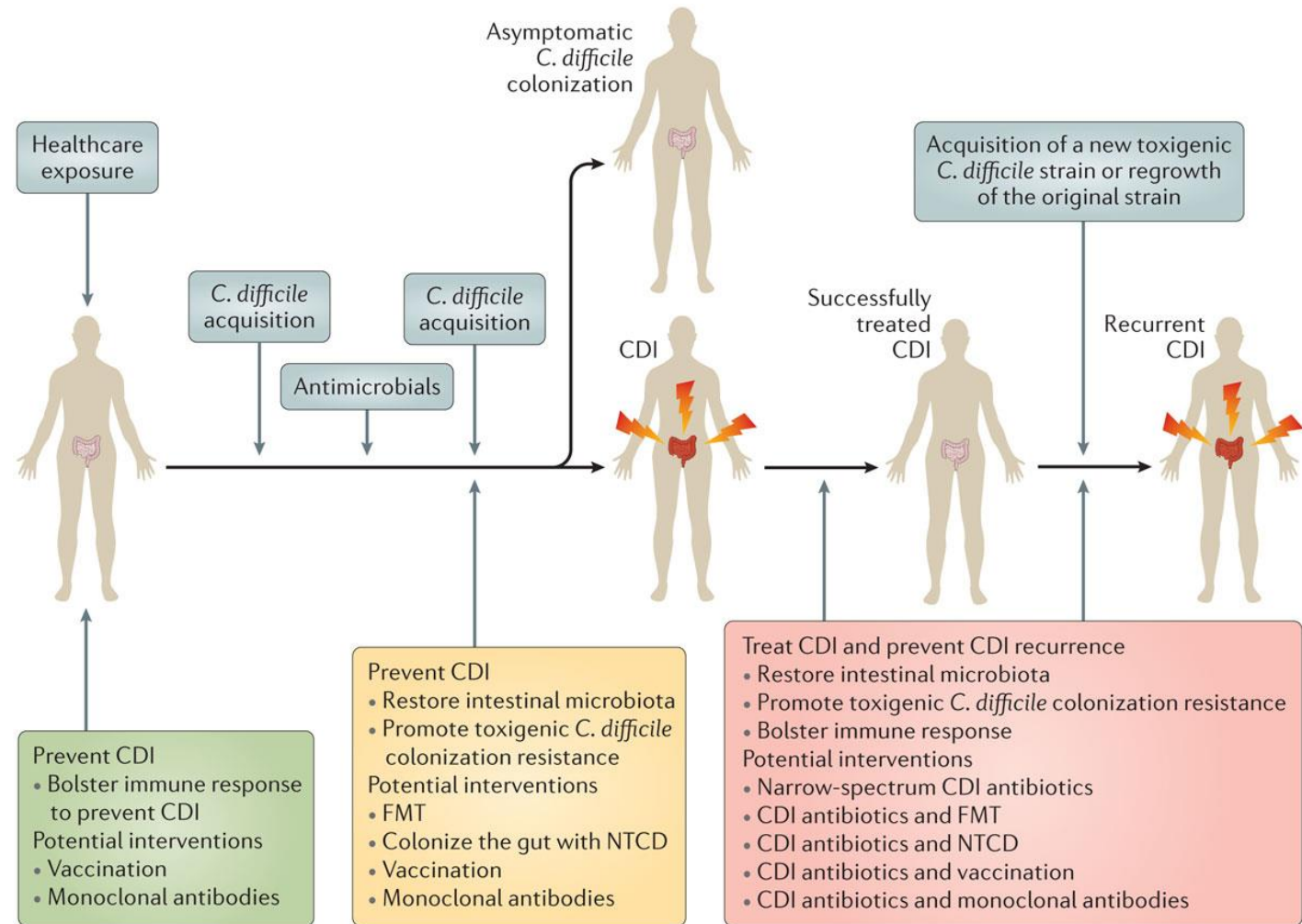
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艰难梭菌感染



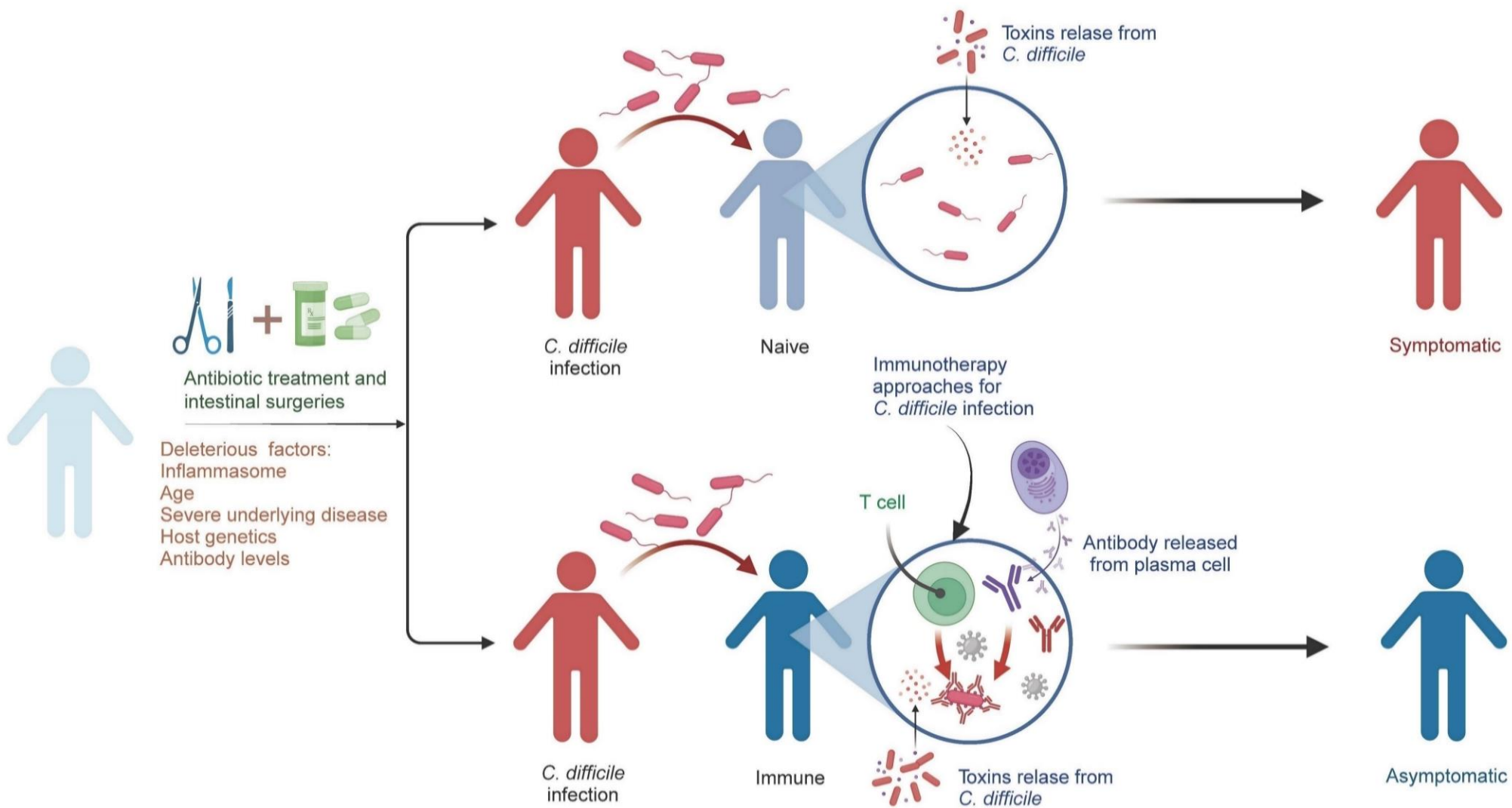
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治疗CDI和复发性CDI的方法





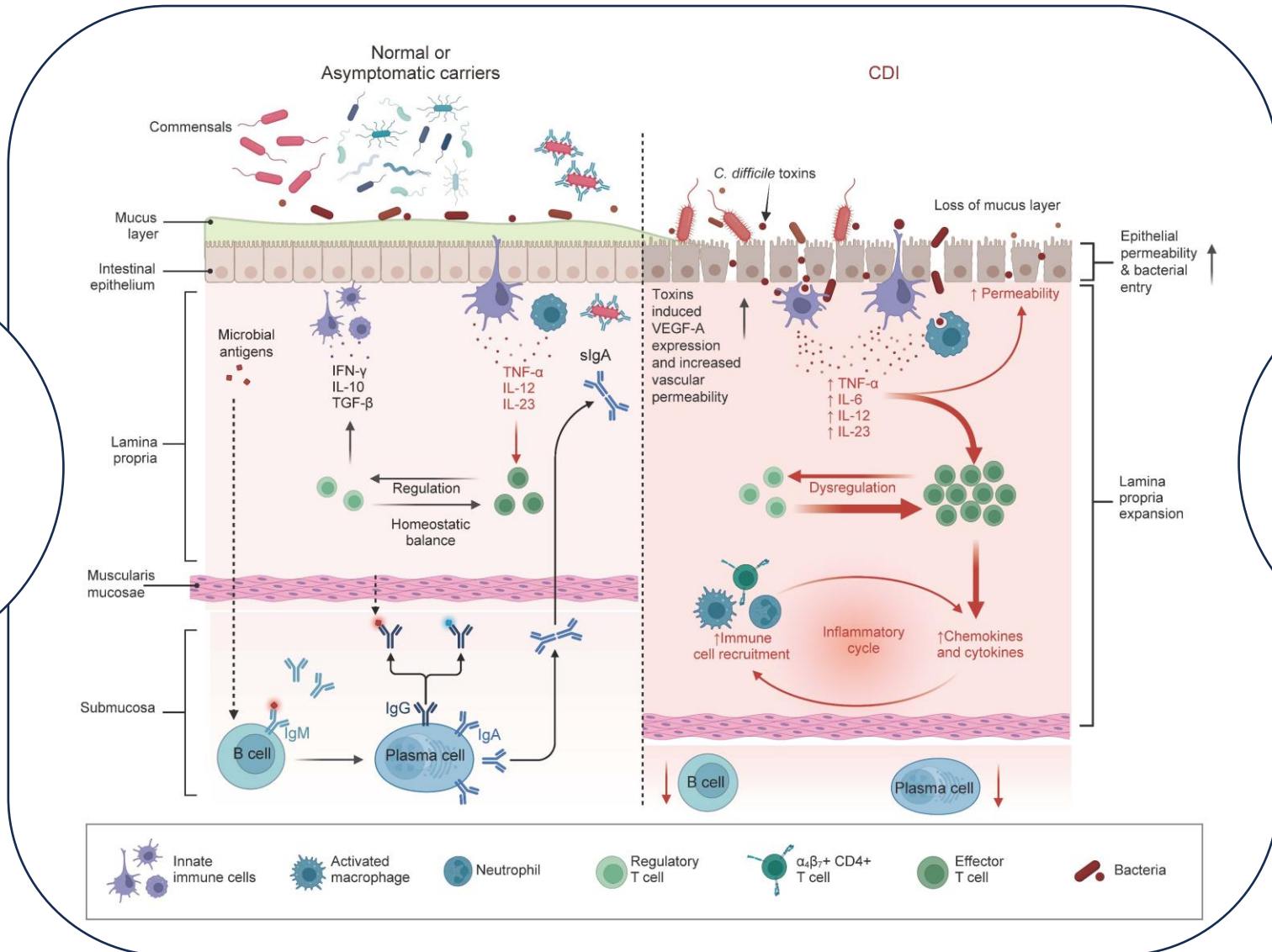
亮点





*C. difficile*通过激活宿主免疫细胞诱导感染

在健康个体中，
宿主免疫细胞
和分泌的细胞
因子调节CDI



在经历肠道炎症
的个体，宿主免
疫减弱导致细菌
暴露增加，加剧
炎症。

图1 健康个体和CDI患者肠道免疫应答的差异



CDI的发病机制

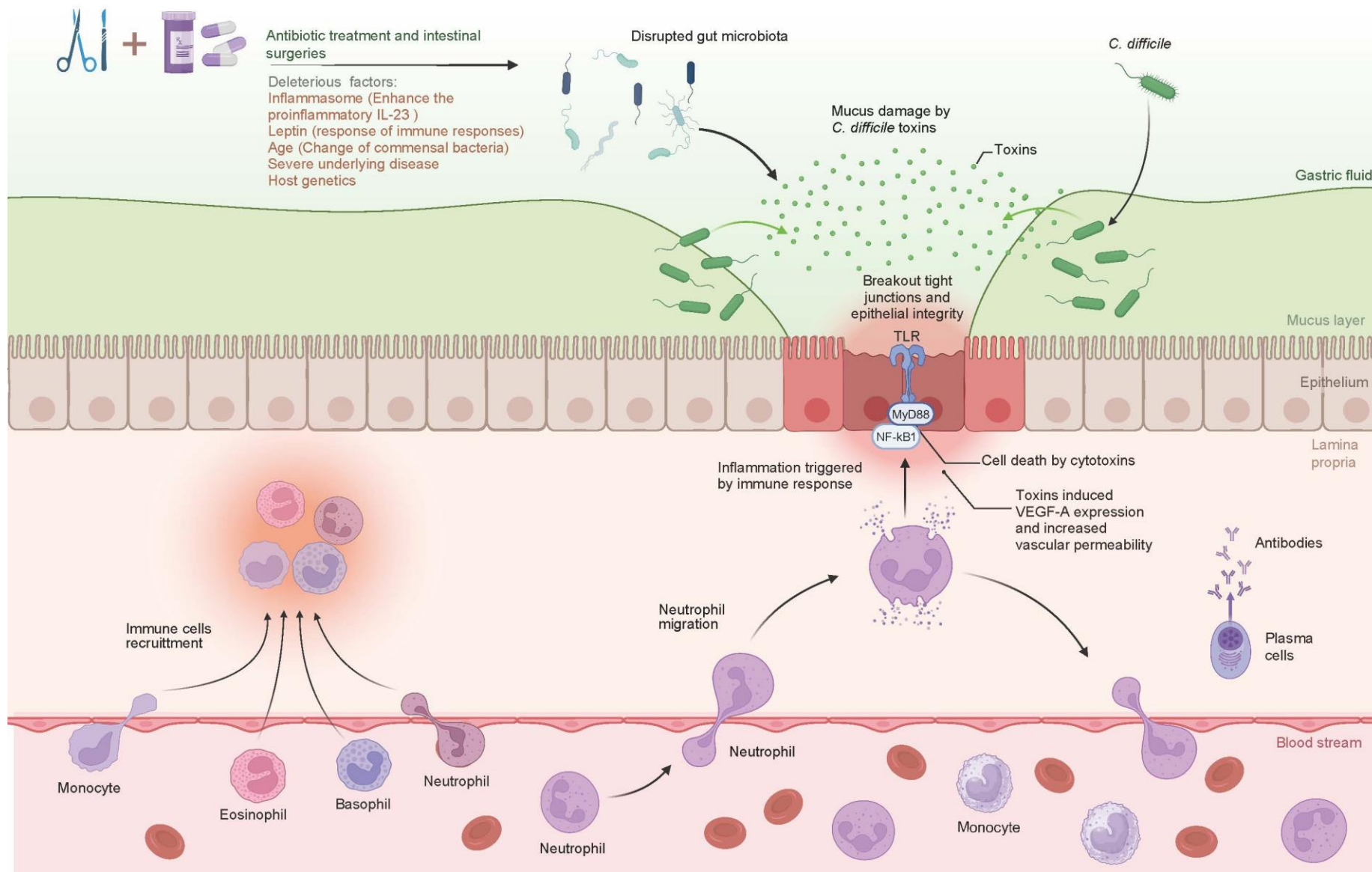


图2 CDI的发病机制



肠道免疫系统

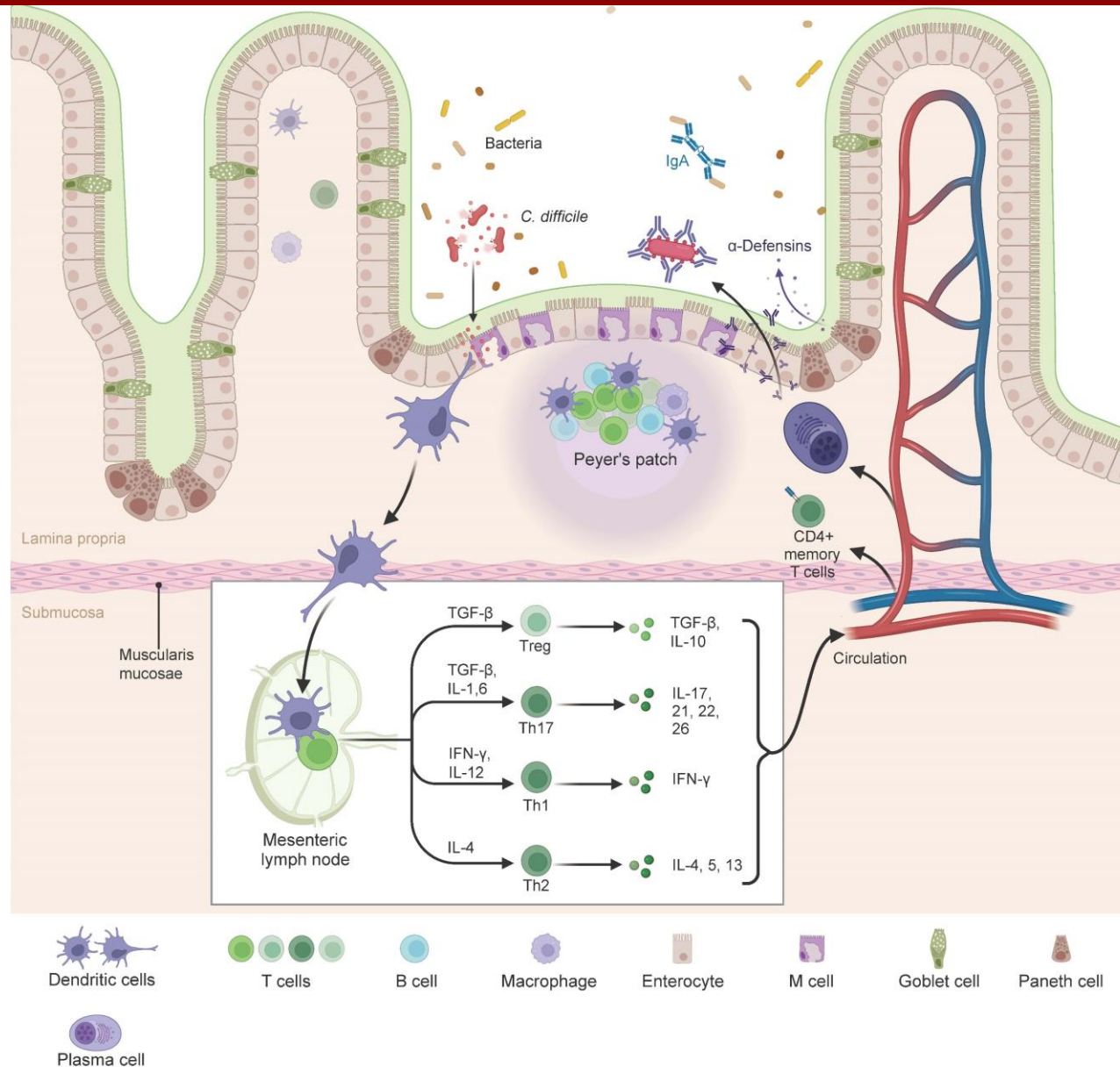


图3 肠道免疫系统



肠道微生物群影响宿主对CDI的免疫反应

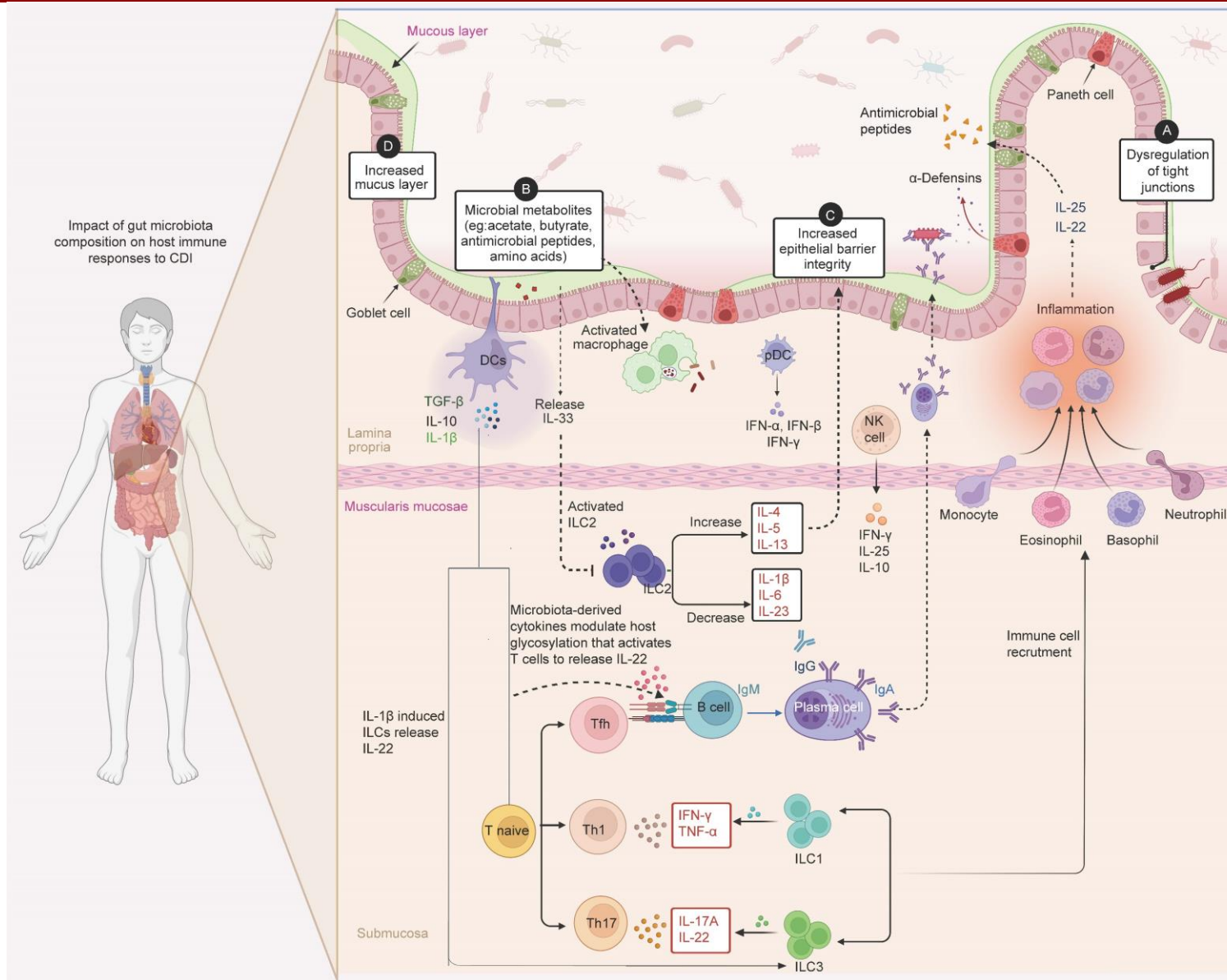


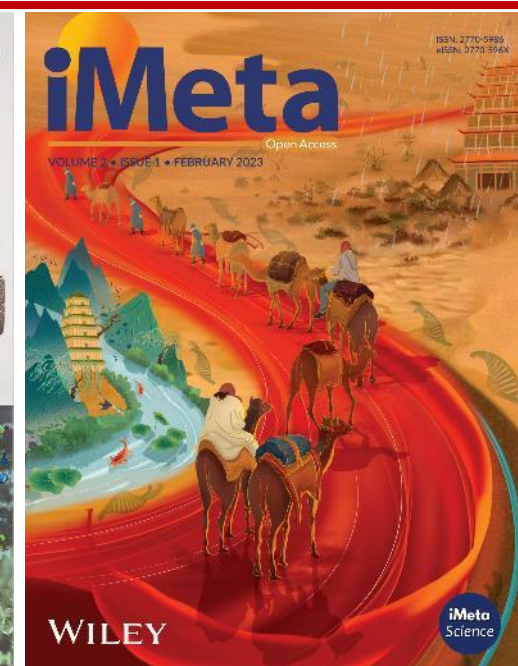
图4 肠道微生物群的组成深刻影响了宿主对CDI的免疫应答





总结

- 在这项研究中，我们强调了宿主免疫反应在对抗CDI（*Clostridioides difficile*感染）中的重要作用。
- 免疫系统调节炎症反应，识别、消灭和预防肠道微生物群引起的感染。
- 此外，宿主免疫系统促进有益肠道细菌的增殖，维持肠道稳态，降低CDI的风险。
- Website: <https://www.bioincloud.tech/>

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