

Cellular and Molecular Bioengineering

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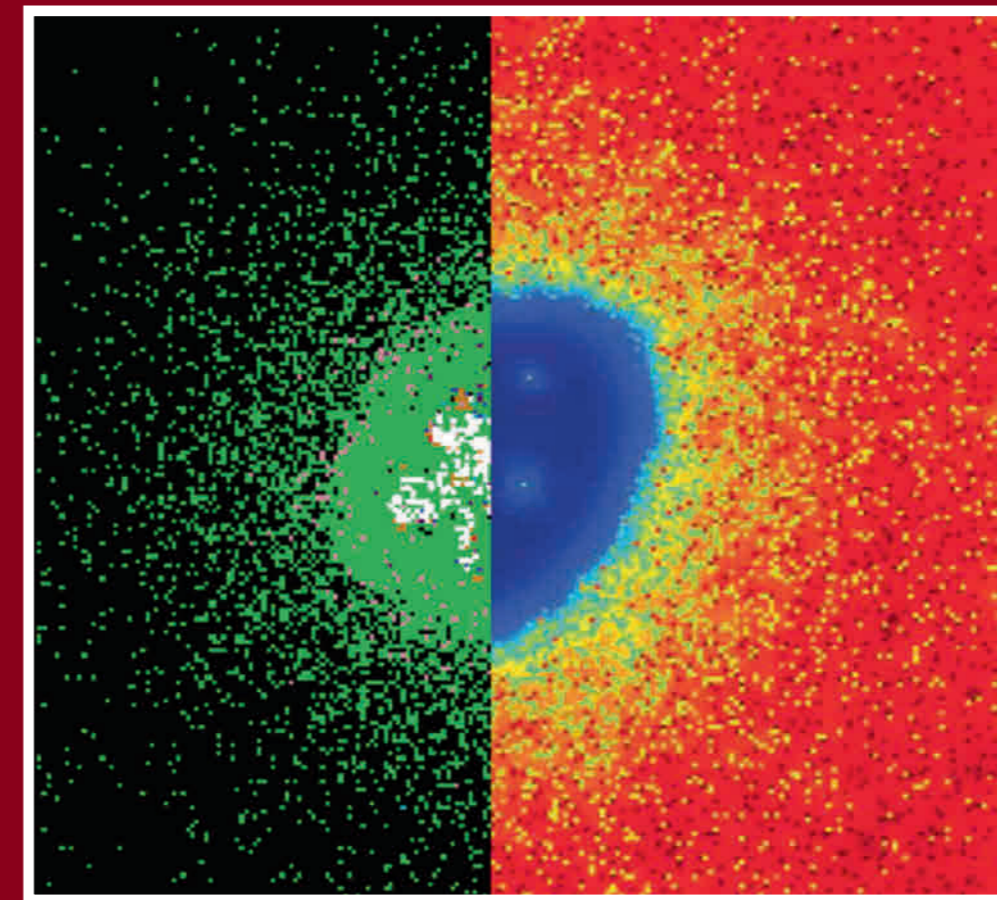
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Cover Photo: Infection with *Mycobacterium tuberculosis* elicits the formation of a cellular lesion called a granuloma in lung tissue. Granulomas provide a way to contain the infection, but also present a physiological barrier to antibiotic diffusion. Computational modeling can capture both the dynamics and cellular composition of a granuloma (left) and how it influences local antibiotic concentration (right) so that optimal antibiotic regimens can be predicted. From the paper by Joseph M. Cicchese et al., DOI: 10.1007/s12195-017-0507-6, pp. 523–535.

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