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The M2a macrophage subset may be critically involved in the fibrogenesis of endometriosis in mice

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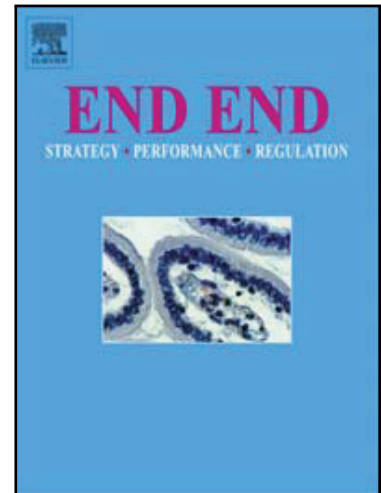
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## Highlights

- Lesional infiltration of alternatively activated or M2 macrophages (M $\Phi$ s) increases progressively as lesions progress undisturbed, concomitant with progressive epithelial-mesenchymal transition, fibroblast-to-myofibroblast transdifferentiation, smooth muscle metaplasia and fibrosis.
- M $\Phi$  depletion after induction of endometriosis significantly reduced lesional infiltration of M $\Phi$ s, lesional infiltration of M2M $\Phi$ s, and lesional fibrotic content and lesion weight.
- Adoptive transfer of M2a, but not M1 or M2c M $\Phi$ s systemically, following M $\Phi$  depletion, significantly increased the extent of fibrosis in lesions.

**Short title:** Macrophages drive fibrogenesis in endometriosis in mice

**The M2a macrophage subset may be critically involved in the fibrogenesis of endometriosis in mice**

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