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The cover items are related to and reproduced with modifications from the following papers from the Division of Germ Cell Biology: “Transient suppression of transplanted spermatogonial stem cell differentiation restores fertility in mice” (Nakamura *et al.*, *Cell Stem Cell* 2021, <https://doi.org/10.1016/j.stem.2021.03.016>) and “A multistate stem cell dynamics maintains homeostasis in mouse spermatogenesis” (Nakagawa *et al.*, *Cell Reports* 2021, <https://doi.org/10.1016/j.celrep.2021.109875>). See page 36 for details.