## Title : Asymptotic analysis of a micropolar fluid flow in a very thin domain with multiscale oscillating roughness.

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The existence and uniqueness of a solution is established. Then the asymptotic behavior of the solution as \$\epsilon\$ tends to zero is studied by using the multiscale convergence method for reiterated homogenization leading to non-standard divergence free conditions for the limit velocity. Finally the well-posedness of the limit problem is derived.