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**Kenneth L Baker** and **Allison H Moore\*** ([allison.h.moore@rice.edu](mailto:allison.h.moore@rice.edu)), Department of Mathematics, Rice University, Houston, TX 77005. *Montesinos knots, Hopf plumbings, and L-space surgeries.*

Using Hirasawa-Murasugi's classification of fibered Montesinos knots, we determine the fibered Montesinos knots whose open book decompositions support the tight contact structure on the three-sphere. This allows us to classify the Montesinos knots which admit L-space surgeries. (Received August 31, 2014)