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Right-veering open books and the Upsilon invariant.

Fibered knots in a three-manifold Y can be thought of as the binding of an open book decomposition for Y . One can ask how properties of the open book decomposition relate to properties of the corresponding knot. In this talk I will describe work that explores this question: we give a sufficient condition for the monodromy of an open book decomposition of a fibered knot to be right-veering from the concordance invariant Upsilon. I will discuss an application of this work to the Slice-Ribbon conjecture. (Received September 03, 2020)