On the deformation theory of foliations

In the last decades the deformation theory of foliations $\mathcal{F}$ on a fixed variety X has drawn the attention of many geometers. The problem associated with deformations of both X and $\mathcal{F}$ on the other hand has been considerably less explored. In this talk I will present some results regarding the representability of this moduli functor, together with some applications. This is a joint work with C. Spicer.