In the April 2019 issue of AJRCCM ATS RSF members Leila B. Mostaço-Guidolin and Emmanuel T. Osei under the supervision of Tillie-Louise Hackett at the Centre for Heart Lung Innovation, St. Paul’s Hospital, looked at airway remodeling in asthmatics using non-linear optical microscopy (NLOM). Using texture, image analysis they are providing insights into the disorganization of fibrillar collagen fibers and fibrils in the remodeled airways of asthmatics. They also demonstrated that asthmatic-derived airway fibroblasts are defective at collagen fiber organization, and express less decorin which is essential for normal collagen fiber formation.

To read more: