Lung Injury (known or unknown) combined with Tissue Response (normal or abnormal)

- Inflammation
- Oxidative Stress
- Coagulation disturbances

- **Resident fibroblasts:** proliferation, resistance to apoptosis, differentiation into myofibroblasts, collagen production
- **Bone marrow-derived fibroblast precursors:** homing to the lungs, differentiation into myofibroblasts
- **Epithelial injury and apoptosis:** disturbed interaction with mesenchymal cells, epithelial-mesenchymal transition (EMT)

Excess deposition and/or reduced turnover of extracellular matrix (ECM)

**PULMONARY FIBROSIS**