

## In vivo Pharmacology: Bleomycin Induced Pulmonary fibrosis in mice

Species, strain, sex: mouse, C57Bl/6, male  
Pharmacological control: Pirfenidone, Nintedanib, SB525334  
Routes of administration: upon request  
Treatment mode: prophylactic/therapeutic  
Duration: 14/21 days

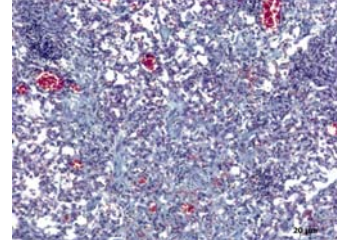
### Basic read-outs:

- body weight
- lung weight
- histopathology (Matsuse modification of Ashcroft score)

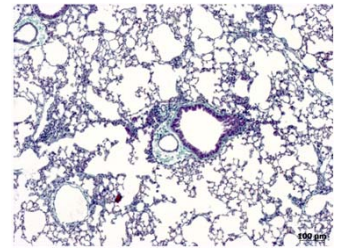
### Facultative read outs:

- lung function measurements
- cell counts in BALF
- IHC/IF
- gene expression in lung tissue

### Histology/BLM+vehicle/day 21

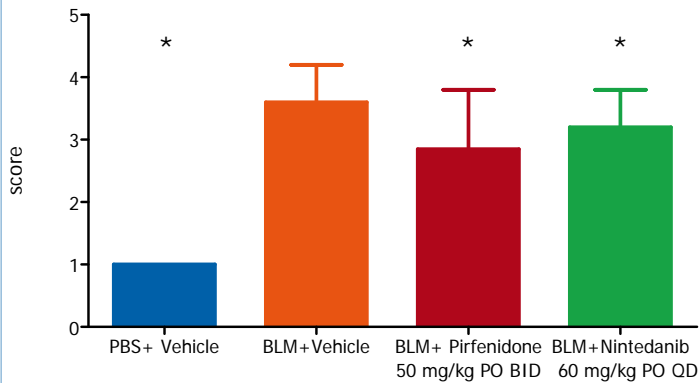


### Histology/BLM+pirfenidone/day 21



### Prophylactic treatments (day 0-20)

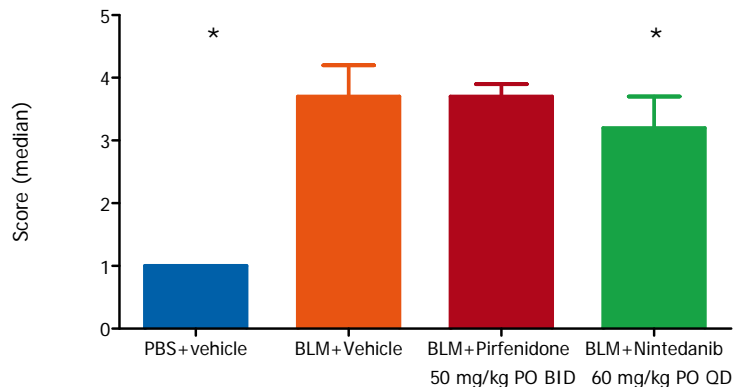
Ashcroft score at day 21 (median with range)



\*p<0.05 vs. BLM + vehicle; Mann-Whitney t-test

### Therapeutic treatments (day 7-20)

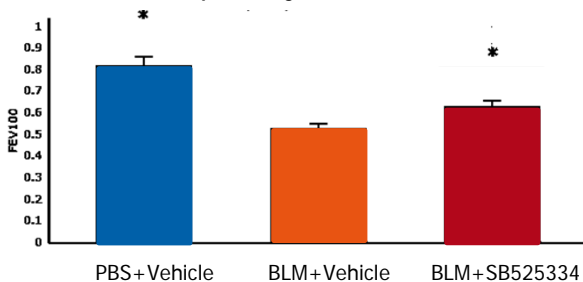
Ashcroft score at day 21 (median with range)



\*p<0.05 vs. BLM+vehicle, Mann-Whitney test

### Lung function measurements / prophylactic treatment with SB525334 (day 15)

Forced Expiratory volume at 100ms



Forced Vital Capacity

