Novel Therapeutic Target for Pulmonary Fibrosis/Scleroderma

Description:

- Fibrotic lung diseases represents a major unmet medical need, as effective treatment options are currently not available.
- Mice that overexpress TGF-β have identified several novel targets (including α1 integrin) for therapeutic interventions in fibrotic lung diseases.
- The blockade of α1 integrin significantly inhibits fibrosis (collagen formation).
- Semaphorin 7A inhibition (Figure B) is also effective as a therapeutic treatment for fibrotic disease.

Published/Issued Patents: [U.S. Patent No. 8,642,357](https://example.com), [U.S. Pub. App. No. 20140271639](https://example.com)

Publications:
Kang, H. R., Lee, C. G., Homer, R. J., & Elias, J. A. (2007). Semaphorin 7A plays a critical role in TGF-β...

**Licensing Contact:** John Puziss
john.puziss@yale.edu