

# Animal Models Of Cell Mediated Skin Diseases Ernst Schering Foundation

Animal models of cell-mediated skin diseases are essential for understanding the pathogenesis of these diseases and developing new treatments. Cell-mediated skin diseases are a group of immune-mediated disorders that affect the skin. They are characterized by inflammation and damage to the skin, and can range in severity from mild to life-threatening.

The most common cell-mediated skin diseases include:



## Animal Models of T Cell-Mediated Skin Diseases (Ernst Schering Foundation Symposium Proceedings, 50)

by Henry Stephens

★★★★☆ 4.6 out of 5

Language : English

File size : 7808 KB

Text-to-Speech : Enabled

Enhanced typesetting : Enabled

Print length : 418 pages

Screen Reader : Supported



\* Psoriasis \* Atopic dermatitis \* Contact dermatitis \* Drug eruptions \* Bullous pemphigoid \* Pemphigus vulgaris \* Graft-versus-host disease

Animal models have been developed for each of these diseases, and have been used to study the pathogenesis of the disease, identify new

therapeutic targets, and develop new treatments.

## **Animal Models of Cell-Mediated Skin Diseases**

The most commonly used animal models of cell-mediated skin diseases are mice and rats. These animals are relatively easy to breed and maintain, and their immune systems are similar to humans. Other animals, such as guinea pigs, rabbits, and dogs, have also been used to study cell-mediated skin diseases.

The type of animal model used depends on the specific disease being studied. For example, mice are often used to study psoriasis, while rats are often used to study atopic dermatitis.

Animal models of cell-mediated skin diseases are typically created by inducing the disease in the animal. This can be done using a variety of methods, such as:

\* Injecting the animal with an antigen that triggers the disease \* Applying a topical irritant to the skin \* Exposing the animal to ultraviolet radiation

Once the disease has been induced, the animal is monitored for signs of inflammation and damage to the skin. The animal's immune response is also studied to identify the specific cells and molecules that are involved in the disease process.

## **Use of Animal Models in Research**

Animal models of cell-mediated skin diseases have been used to make significant advances in our understanding of these diseases. Animal models have been used to:

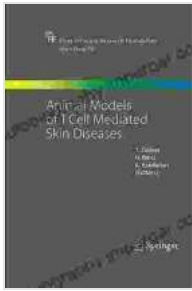
\* Identify the genetic factors that contribute to the development of cell-mediated skin diseases \* Study the pathogenesis of cell-mediated skin diseases \* Develop new treatments for cell-mediated skin diseases

Animal models have also been used to test the safety and efficacy of new treatments for cell-mediated skin diseases. Animal models have played a vital role in the development of new treatments for psoriasis, atopic dermatitis, and other cell-mediated skin diseases.

Animal models of cell-mediated skin diseases are essential for understanding the pathogenesis of these diseases and developing new treatments. Animal models have been used to make significant advances in our understanding of these diseases, and have played a vital role in the development of new treatments.

## **References**

1. Nestle, F. O., Kaplan, D. H., & Barker, J. (2009). Psoriasis. *The New England Journal of Medicine*, 361(5),496-509. 2. Bieber, T. (2010). Atopic dermatitis. *The New England Journal of Medicine*, 362(5),483-494. 3. Cohen, D. E., & Wollenberg, A. (2010). Contact dermatitis. *The New England Journal of Medicine*, 363(12),1163-1172. 4. Roujeau, J. C., Stern, R. S., & Lazarov, A. (2013). Drug eruptions. *The New England Journal of Medicine*, 368(22),2117-2127. 5. Joly, P., et al. (2012). Bullous pemphigoid. *The New England Journal of Medicine*, 367(26),2519-2530. 6. Werth, V. P., et al. (2014). Pemphigus vulgaris. *The New England Journal of Medicine*, 371(1),30-39. 7. Ferrara, J. L., et al. (2014). Graft-versus-host disease. *The New England Journal of Medicine*, 371(6),541-549.



## Animal Models of T Cell-Mediated Skin Diseases (Ernst Schering Foundation Symposium Proceedings, 50)

by Henry Stephens

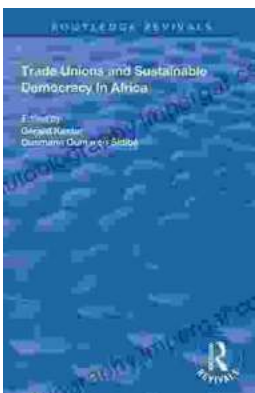
★★★★☆ 4.6 out of 5

Language : English  
File size : 7808 KB  
Text-to-Speech : Enabled  
Enhanced typesetting : Enabled  
Print length : 418 pages  
Screen Reader : Supported



## Additional Steps By Regulators Could Better Protect Consumers And Aid

The financial services industry is constantly evolving, and with it, the risks to consumers. Regulators have a critical role...



## Trade Unions and Sustainable Democracy in Africa: A Routledge Revival

Trade unions have played a vital role in the development of democracy in Africa. They have fought for workers' rights, social justice, and...