



# Royal College of Physicians

## **Professor John McGrath Biography**

John McGrath holds the Mary Dunhill Chair in Cutaneous Medicine at King's College London and is Honorary Consultant Dermatologist to the Guy's and St Thomas' National Health Service Foundation Trust. He is the current President of the European Dermatology Forum and within the UK he leads for the precision medicine cluster within the Biomedical Research Centre of the Guy's and St Thomas's Trust, as well as being the rare skin disease lead for the Genomics England 100,000 Genome Project and the UK National Institute of Health Research deep phenotyping of rare skin diseases program.

His research focuses on the development of novel treatments for rare skin diseases. He has published clinical trials on the testing of bone marrow transplantation and mesenchymal stromal cells for the treatment of patients with the inherited blistering skin disease, epidermolysis bullosa, and is involved with other translational research projects that address unmet need in wound healing and tissue fibrosis.

## **Presentation Summary**

**Topic:** Inherited Skin Disease - progress for patients

Skin disorders are very common and inheritance of certain DNA variants makes a major contribution to disease causation and susceptibility. While many treatments in dermatology, such as topical corticosteroids, have generic anti-inflammatory properties, an improved understanding of the molecular pathology of skin diseases has led to a new era of more precise therapies.

For patients with diseases such as psoriasis or eczema, new targeted biologics are leading to major improvements in quality of life, while for rare monogenic diseases such as epidermolysis or ichthyosis, clinical trials of gene and cell-based therapies are also having positive impacts for patients living with these conditions.