

Biological Therapies in COPD: From Mechanism to Treatment



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Organization
Current Position

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Educational background

2002 M.D., University of Manchester

1996 MRCP, Royal College of Physicians of London

1992 M.A. (Hon), Cambridge University

Professional experience

Reader in Clinical Pharmacology & Respiratory Medicine
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Despite receiving maximal inhaled treatment, many COPD patients continue to experience exacerbations. Biological treatments provide a potential additional therapeutic option in this situation. Clinical trials have reported positive results for monoclonal antibody treatments in COPD. These are targeted treatments where the responder populations need to be defined based on clinical characteristics and biomarkers. Monoclonal antibody treatments have been targeted against type 2 inflammation, although anti-alarmin treatments may offer broader anti-inflammatory effects. Biological treatments have the potential to transform COPD management.