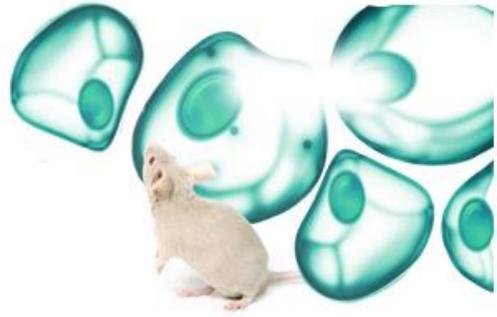




Biomedcode
Priming drugs for success



Our clients around the globe



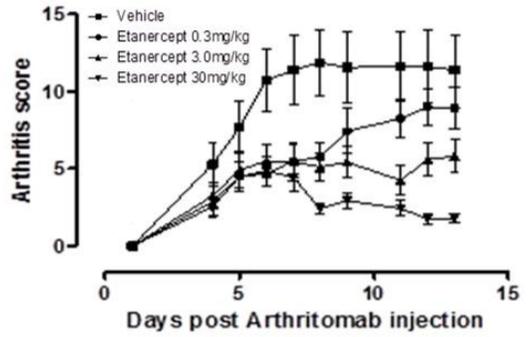
Humanized Collagen II Antibody-Induced Arthritis (CAIA)

Optimization of a novel model to assess treatments targeting human TNF α in rheumatoid arthritis

Moore A, Allden S, Bourne T, Denis MC, Kranidioti K, Okoye R, Sotsios Y, Stencel Z, Vugler A, Watt G, et al. J Transl Med. 2014 Oct 25;12(1):285. PubMed PMID: 25344414.

In collaboration with UCB Celltech, **Biomedcode** co-authored a new paper demonstrating that **CAIA in human TNF transgenic (Tg1278TNFko) mice** is a well-suited animal model for testing the next generation of therapeutics targeting human TNF α in rheumatoid arthritis.

[Read the article here...](#)



Tg1278TNFko: Normally regulated human TNF expression

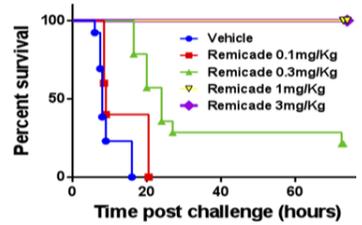
Human TNF transgenic animals with no overt pathology that are a unique tool for:

in vivo drug screening

In combination with acute inflammatory models (LPS sepsis, GalN-LPS hepatic failure) Tg1278TNFko animals allow the fast and sensitive detection of even low anti human TNF activities.

in vivo drug efficacy evaluation

In combination with induced models of arthritis and Inflammatory Bowel Disease, Tg1278TNFko animals allow the in vivo efficacy evaluation of anti-human TNF therapeutics.



THERAPEUTIC AREAS

Disease models for screening & efficacy evaluation of therapeutics:

- Osteoporosis
- Rheumatoid Arthritis
- Intestinal Inflammation
- Psoriasis
- Multiple Sclerosis
- LPS acute sepsis
- GalN - LPS hepatic failure



RESEARCH ACTIVITIES

Biomedcode sustains its lead in preclinical drug evaluation services through a highly active **R&D program** supporting:

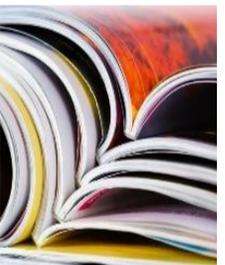
- New animal model development
- Preclinical Development
- Customized Development
- Grants & Funded Research



PUBLICATIONS

Learn more about our **scientific publications**:

- Intestinal myofibroblast-specific Tpl2-Cox-2-PGE2 pathway links innate sensing to epithelial homeostasis... [Read more>](#)
- Safe TNF-based antitumor therapy following p55TNFR reduction in intestinal epithelium... [Read more>](#)
- TNF Receptor signaling in keratinocytes triggers IL-24-dependent Psoriasis-like skin inflammation in mice... [Read more>](#)



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