



Immunology and Inflammatory Disease

The BioDuro Advantage

BioDuro's pharmacology team has extensive drug discovery and development experience in the pharmaceutical industry enabling us to support fully integrated programs, including study design and data interpretation. Special expertise in autoimmune and inflammatory diseases is coupled with a commitment to working with clients to develop customized models for rare diseases.

Our team has successfully collaborated with 9 of the top 20 large pharmaceutical companies and numerous small companies. The success of these collaborations is highlighted by the quality data provided that have informed key project decisions and regulatory filings. Beyond providing analysis, our senior team's expertise allows for the development of a consulting relationship with client partners.

The Pharmacology Team

- Group leader-level scientists with strong backgrounds and training in autoimmune and inflammatory diseases
- A team of 20 well-trained bench scientists focused on in vitro and in vivo drug discovery services. They are skilled in different animal models/assays and excel in problem-solving and trouble-shooting
- Dedicated, collaborative project management
- Integrated discovery programs

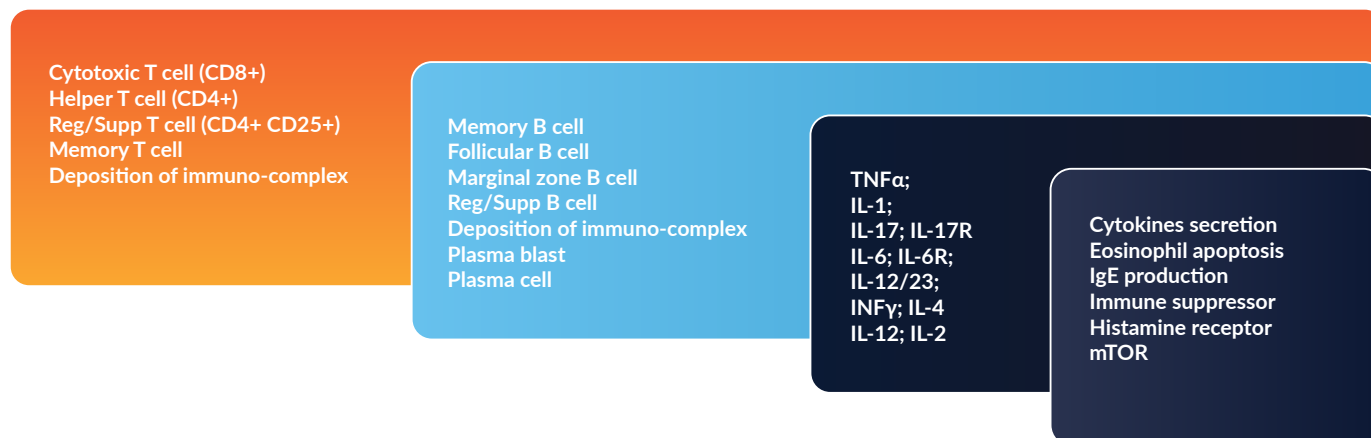


T-Cell as Target

B-Cell as Target

Cytokines as Target

Others



In Vivo Models

T-Cell as Target

Systemic Lupus Erythematosus
 Rheumatoid Arthritis
 Type I Diabetes
 Experimental Autoimmune Encephalomyelitis
 Inflammatory Bowel Disease
 Atopic Dermatitis
 Psoriasis
 Type IV Hypersensitivity

B-Cell as Target

Systemic Lupus Erythematosus
 Rheumatoid Arthritis
 Type I Diabetes
 Experimental Autoimmune Encephalomyelitis
 Inflammatory Bowel Disease

Cytokines as Target

Rheumatoid Arthritis
 Inflammatory Bowel Disease
 Psoriasis
 Asthma
 Type IV Hypersensitivity

Others

LPS Induced Cytokine Secretion
 Concanavalin Induced Cytokine Secretion
 Asthma
 Atopic Dermatitis
 Rheumatoid Arthritis

Disease Animal Models

Multiple Sclerosis

MBP-Induced EAE in Rats
 PLP-Induced EAE in Mice
 MOG35-55 Induced EAE in Mice

Intestinal Bowel Disease

DSS-Induced Colitis in Mice and Rats

Rheumatoid Arthritis

Collagen-Induced Arthritis (CIA) in Mice and Rats
 Adjuvant-Induced Arthritis (AIA) in Rats
 G6PI-Induced Arthritis in Mice

Systemic Lupus Erythematosus

Pristane-Induced Lupus in Mice
 MRL/lpr Lupus Mice

Asthma

OVA-Induced Asthma in Mice

Psoriatic Model

Imiquimod-Induced Psoriasis in Mice

Delayed Type Hypersensitivity (DTH)

Oxazolone-Induced DTH in Mice

FITC Induced Dermatitis

FITC-Induced Dermatitis in Mice

Other Models

Formalin Induced Nociceptive Models

Citric Acid Induced Cough Model

Kidney Ischemia and Reperfusion in Mice Model

Cisplatin Induced Kidney Injury in Mice Model