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Support personnel
Angel Yao Masttison (administrative coordinator)
Emma Mondoc (technician)
Diana Ekman (bioinformatician)
Current Fields of Research
To obtain basic biological knowledge explaining the development of chronic inflammatory disorders (CID), such as rheumatoid arthritis and multiple sclerosis, we use experimental animal models as well as human diseases. The goal is to identify prognostic markers and to establish new therapies for these diseases. We have the following more specific goals:

1) To identify the most important genes that control pathogenic inflammation using a combined approach of both an experimental animal platform. And well developed human cohorts.

2) To translate the identifications and in depth studies of genes and pathways between the animal models to human CID's

3) To understand the role of MHC class II genes in explaining the immune specificity of autoimmune disease and to develop a new type of vaccination strategy for treatment of rheumatoid arthritis

4) To understand the new Ncf1 controlled oxygen burst pathway associated with severe inflammation and to develop a new type of anti-inflammatory treatment based on oxidants.

Selected Publications


Current Funding
EU Marie Curie training
EU shared cost projects and network of Excellence
Swedish National research Council
Swedish Strategic Foundation for Research
Strategic research center for research on Chronic Inflammatory diseases (COMBINE)
Swedish Linne Center (CERIC)
Bibi Jensen Foundation
Swedish Rheumatology Research Foundation
King Gustav 80 year foundation
Karolinska Institutet
Karolinska Hospital
Finnish National Academy of Science

Training of Fellows in Research
The medical inflammation research (MIR) laboratory is designed for also training PhD students and postdocs. We have specific project programs and provide seminars and supervision and the necessary technology in house. The MIR lab hosts several EU funded Marie Curie programs. In addition the trainees are enrolled into the educational programs of Karolinska Institutet and have access to all the core facilities and academic environment of Karolinska Institute and the Karolinska Hospital.
More than 35 students have successfully completed their theses and more than 25 postdocs completed their postdoc training at MIR and are now in academic or commercial positions.

WebPage
www.inflam.mbb.ki.se