

## Interleukin-6 in health ....

- major inducer of acute-phase protein synthesis in hepatocytes
- promotes B-cell differentiation into plasma cells
- T-cell differentiation
- stimulates differentiation of osteoclasts
- chemotactic factor for lymphocytes
- many more less well defined functions ...

## ... and disease

- chronic inflammatory diseases  
(rheumatoid arthritis, Morbus Crohn)
- growth factor for tumor cells  
(multiple myeloma, prostate carcinoma)
- promotes osteoporosis  
(post-menopausal osteoporosis)
- acute sepsis
- coronary heart disease
- multiple sclerosis
- ...



**anti-IL-6 therapy !**

