



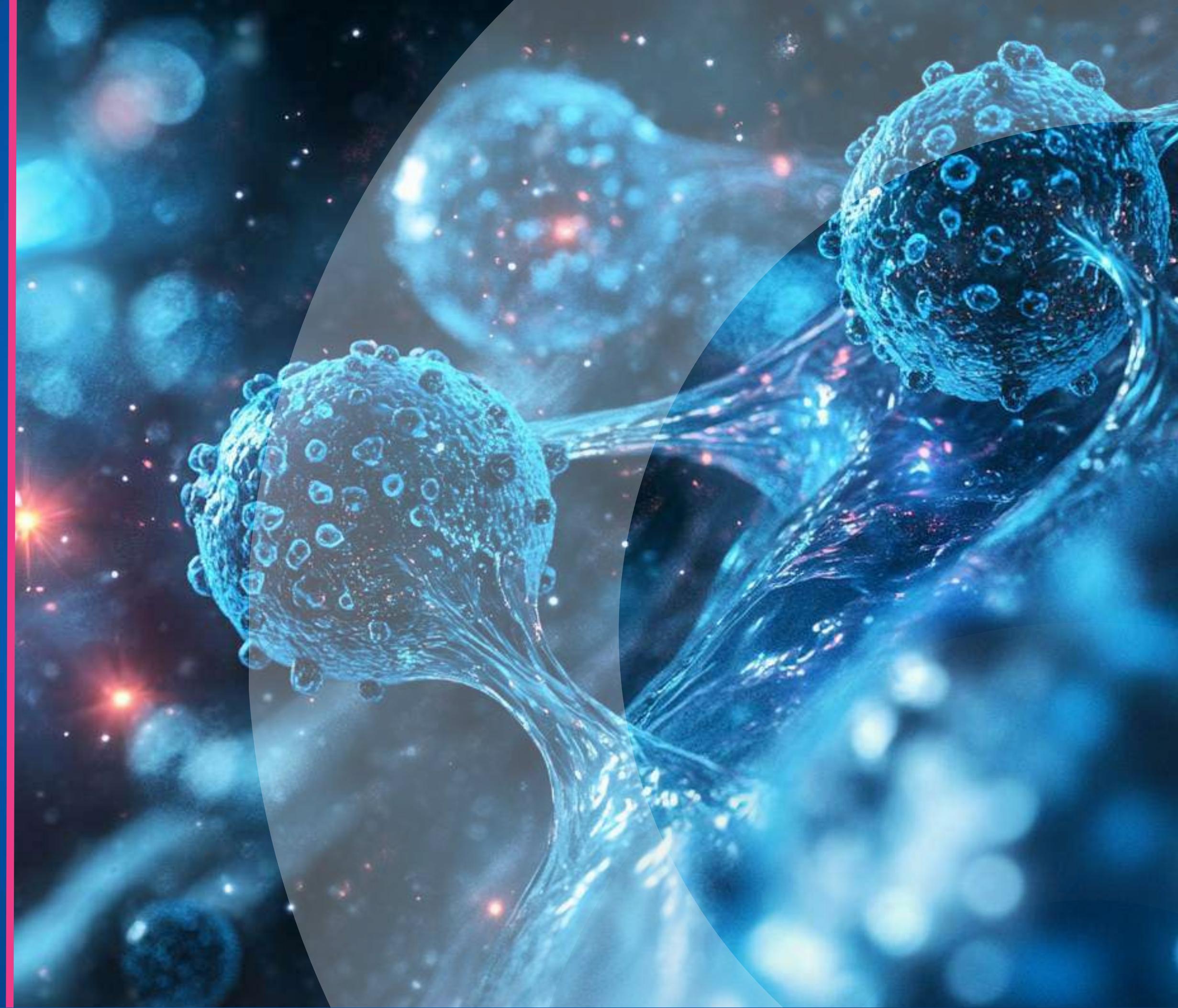
CAR-T CELL THERAPY AUTOIMMUNE RHEUMATIC DISEASES

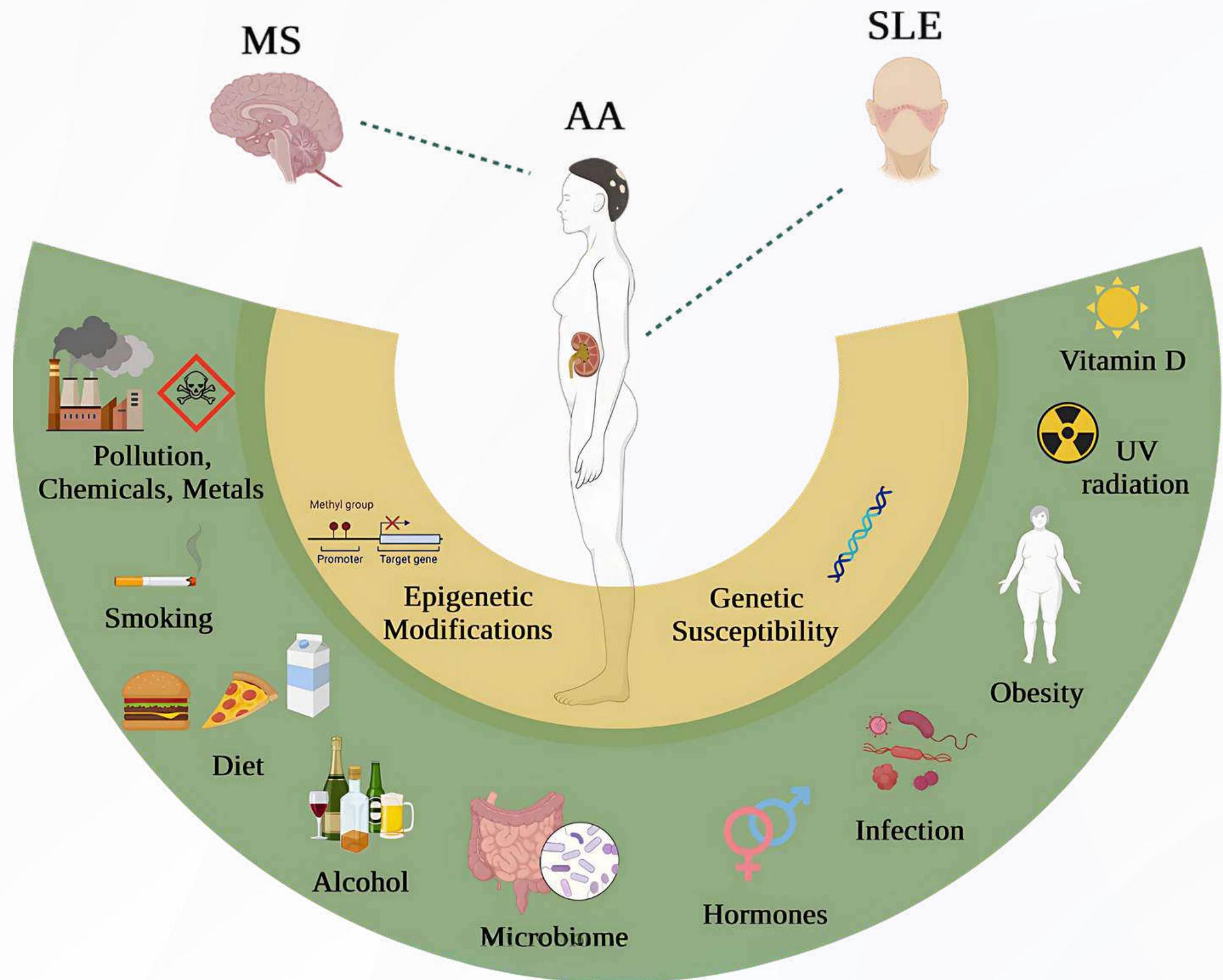


Prof. Merav Lidar

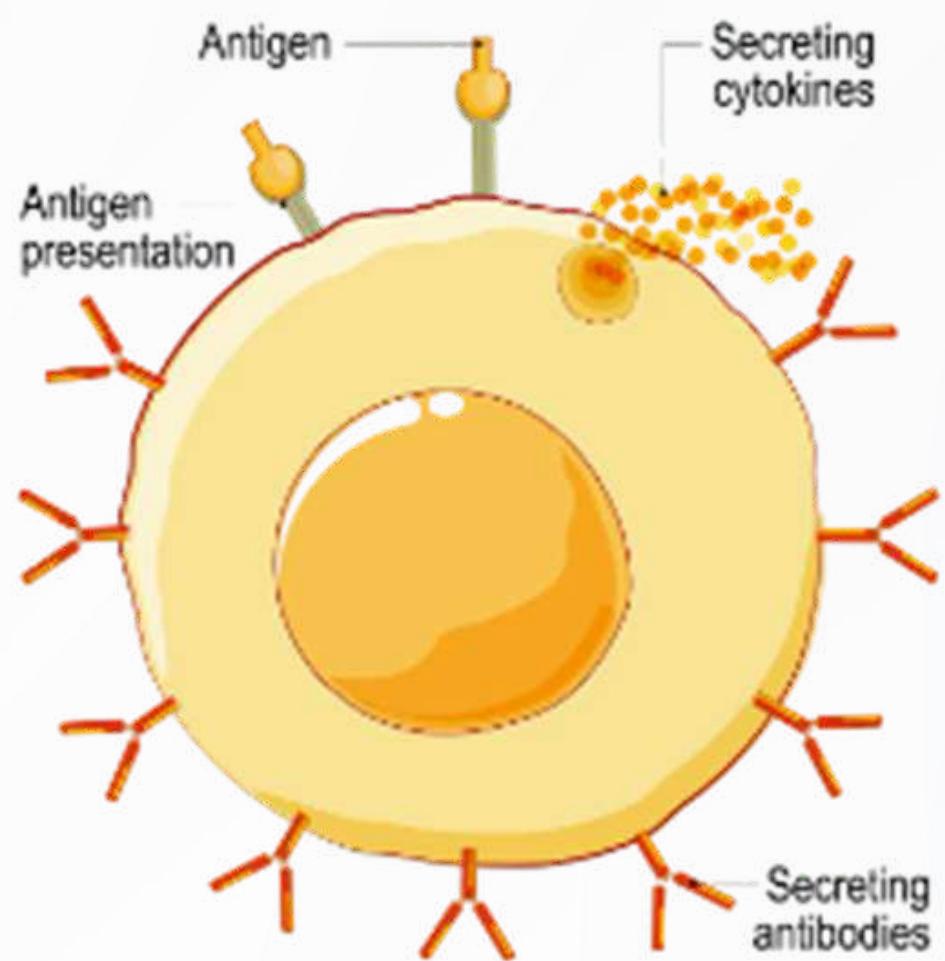
- Head of Rheumatology Sheba Medical Center
- President of the Israeli Society of Rheumatology

How does an autoimmune disease develop?

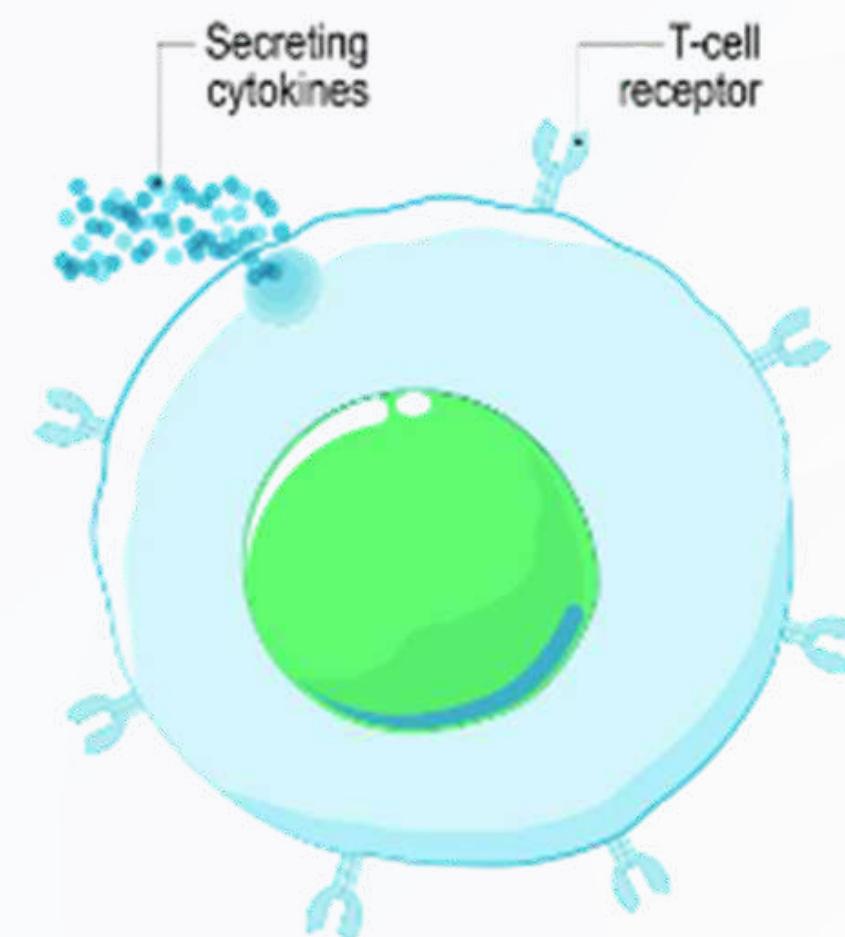




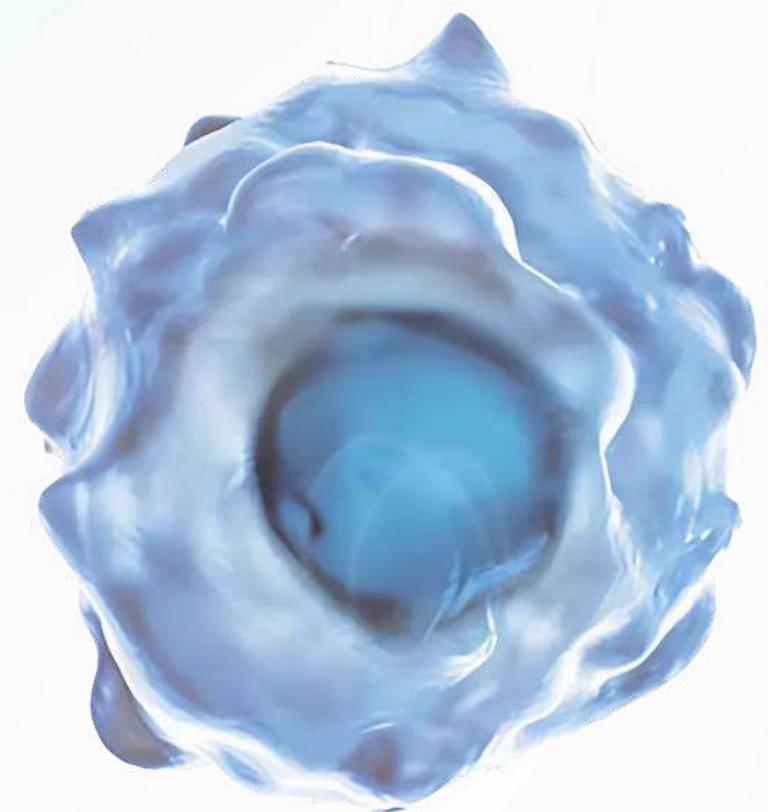
Cells of the adaptive immune system



B-cell



T-cell



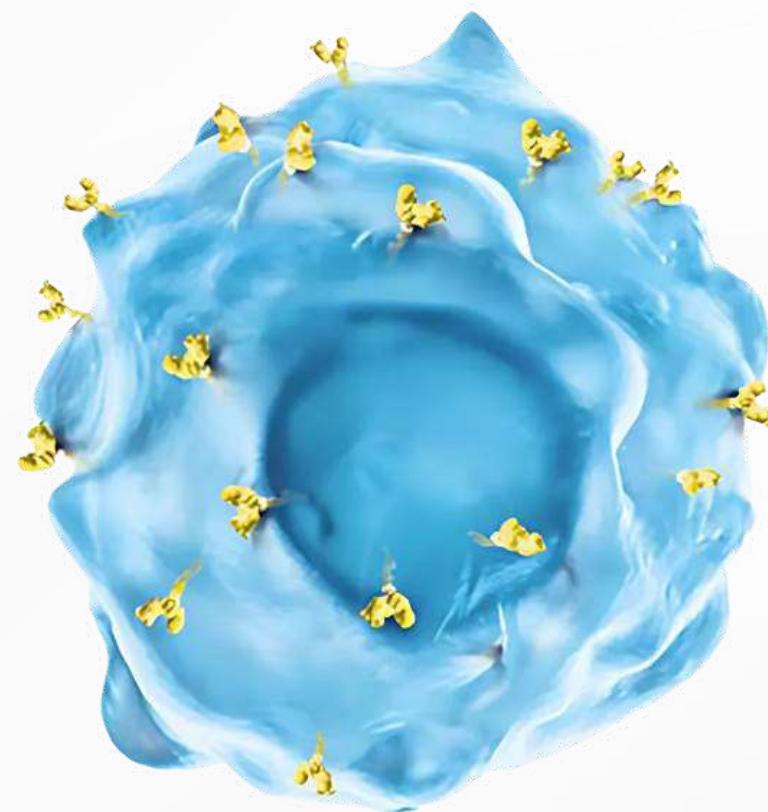
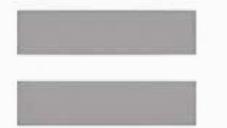
T CELL

A key fighter in your immune system



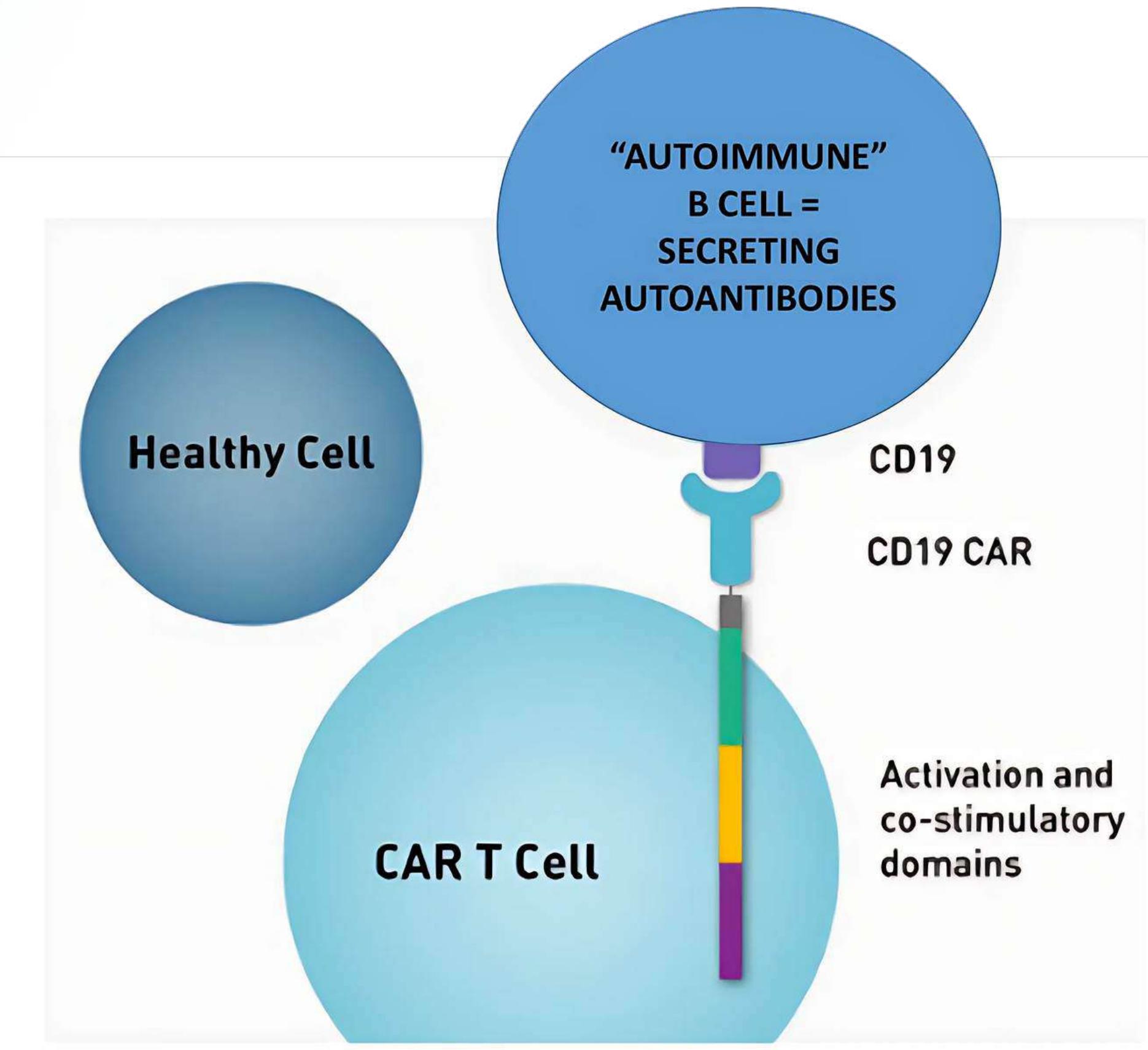
CAR

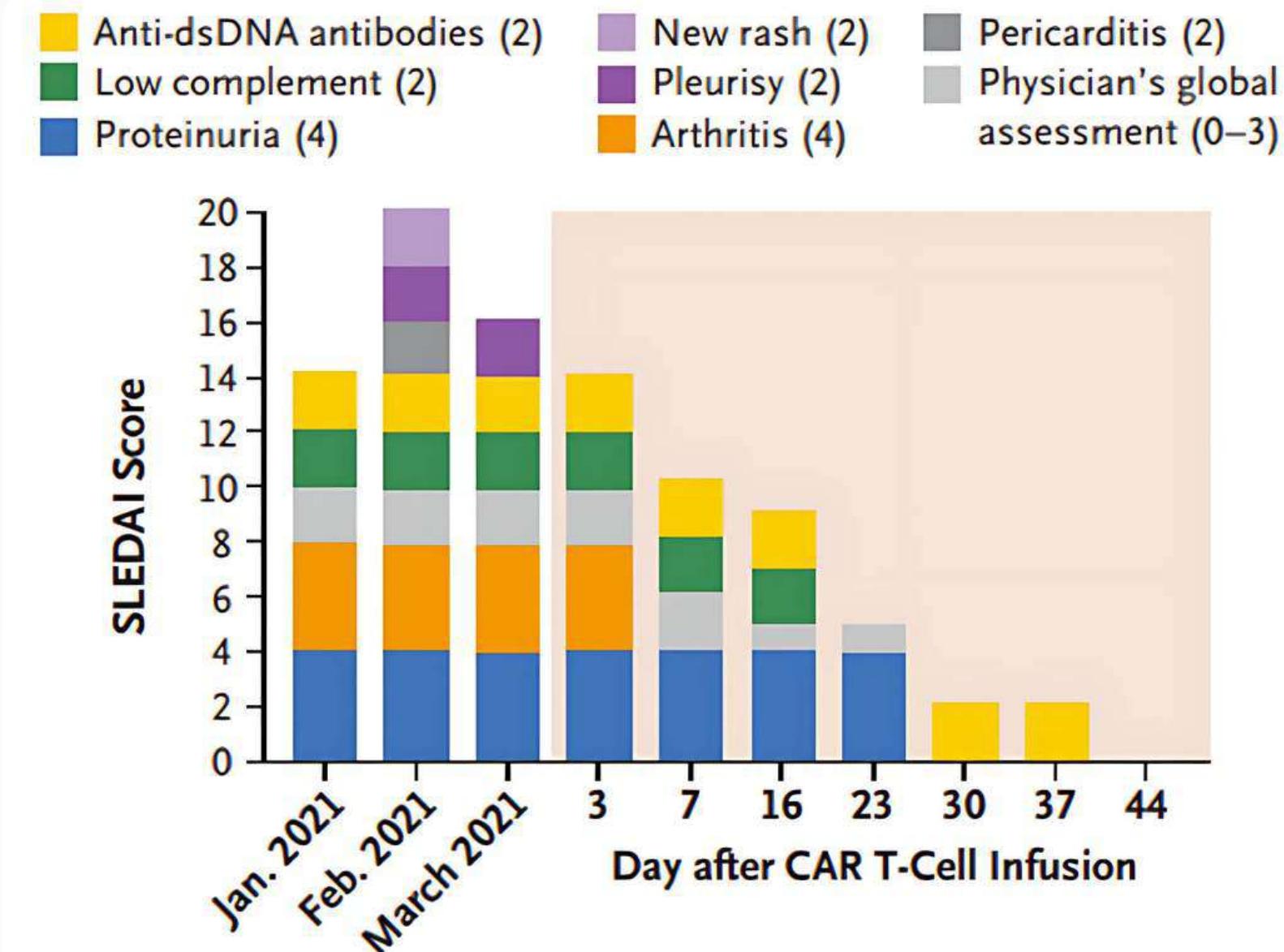
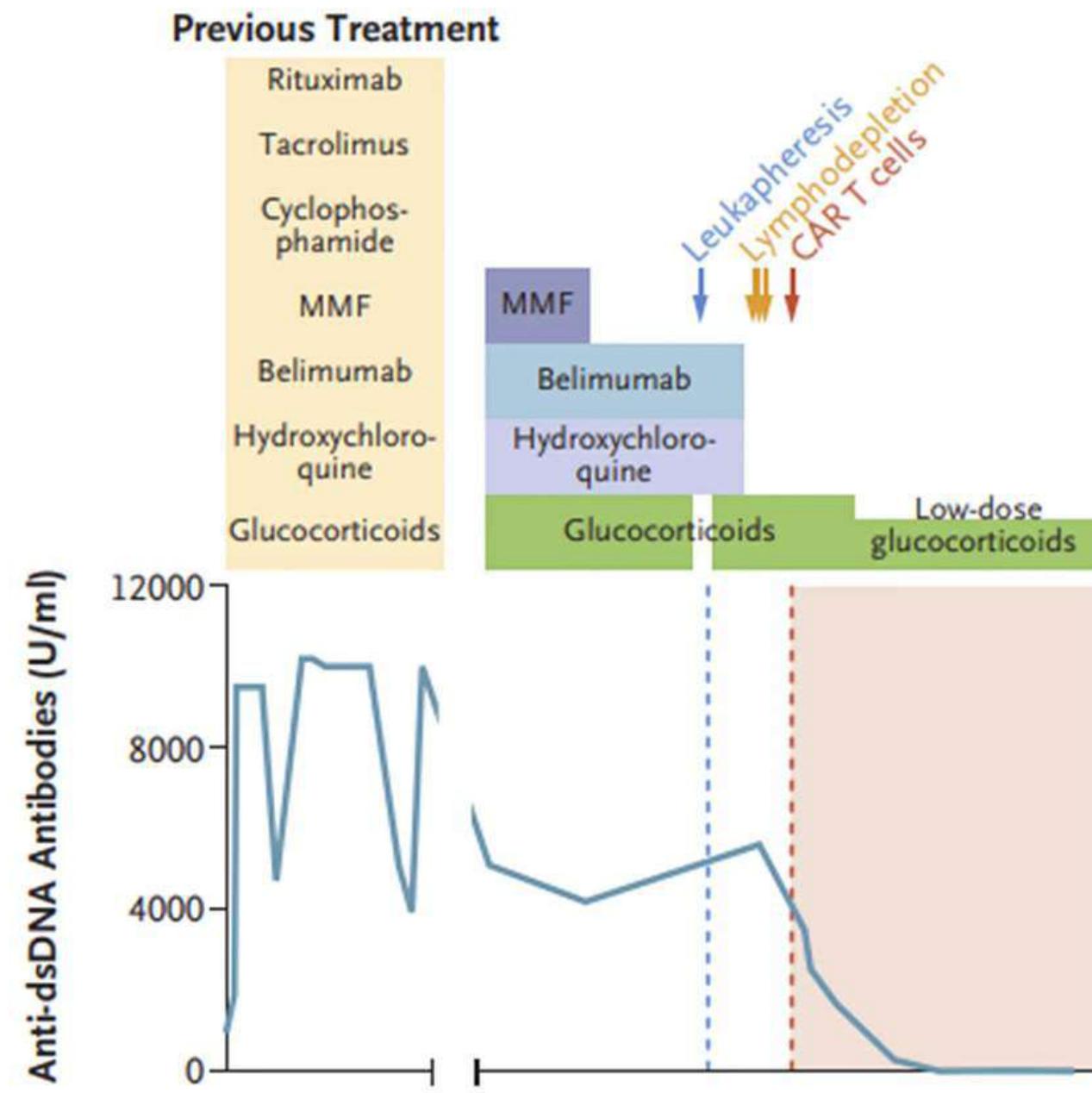
A specific receptor is added to the T cell

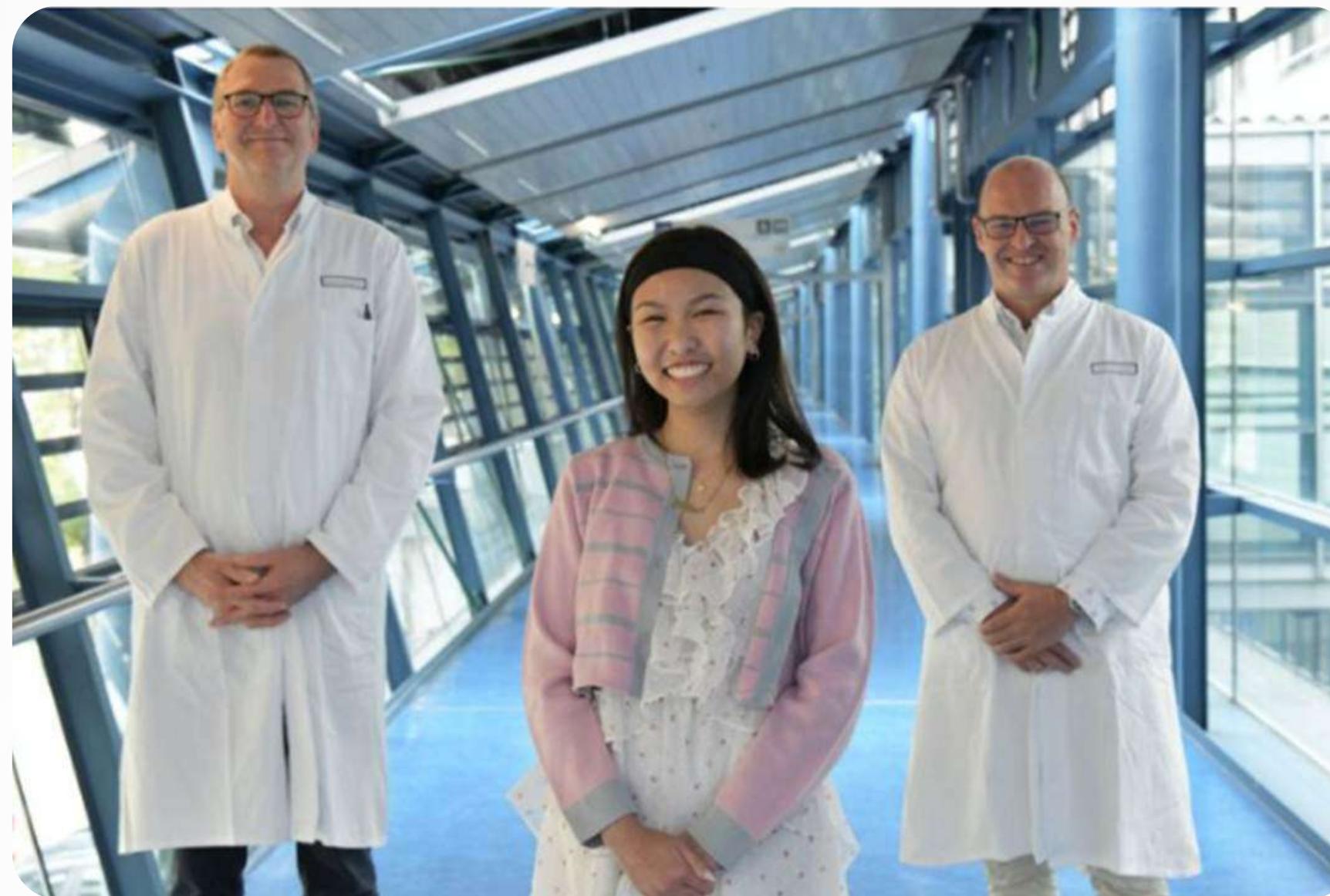


CAR T CELL

The T cell with the CAR added helps find and fight specific targeted cells







Prof. Dr. Andreas Mackensen (Director/Department of Medicine 5, 1.) and Prof. Dr. med. univ. Georg Schett (Director/Department of Medicine 3, right) are pleased that the CAR-T cell therapy has worked so well for their patient Thu-Thao V. (Image: Michael Rabenstein/Universitätsklinikum Erlangen)



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CD19 CAR T-Cell Therapy in Autoimmune Disease — A Case Series with Follow-up

Fabian Müller, M.D., Jule Taubmann, M.D., Laura Bucci, M.D., Artur Wilhelm, Ph.D., Christina Bergmann, M.D.,
Simon Völkl, Ph.D., Michael Aigner, Ph.D., Tobias Rothe, Ph.D., Ioanna Minopoulou, M.D., Carlo Tur, M.D.,
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Andreas Mackensen, M.D., and Georg Schett, M.D.

WHAT AUTOIMMUNE DISEASES CAN BE TREATED WITH CAR-T CELL THERAPY?



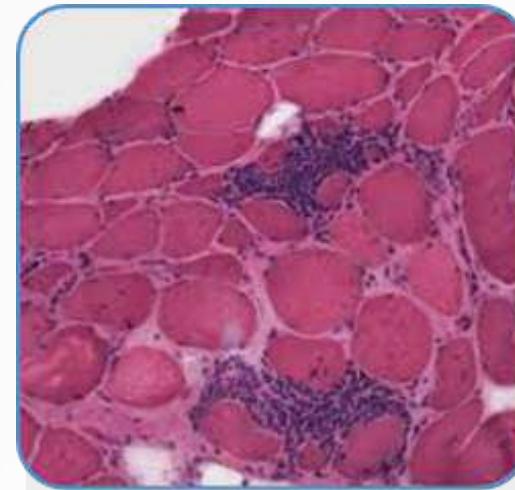
LUPUS



SCLEORO-
DERMA



ANCA
ASSOCIATED
VASCULITIS



MYOSITIS

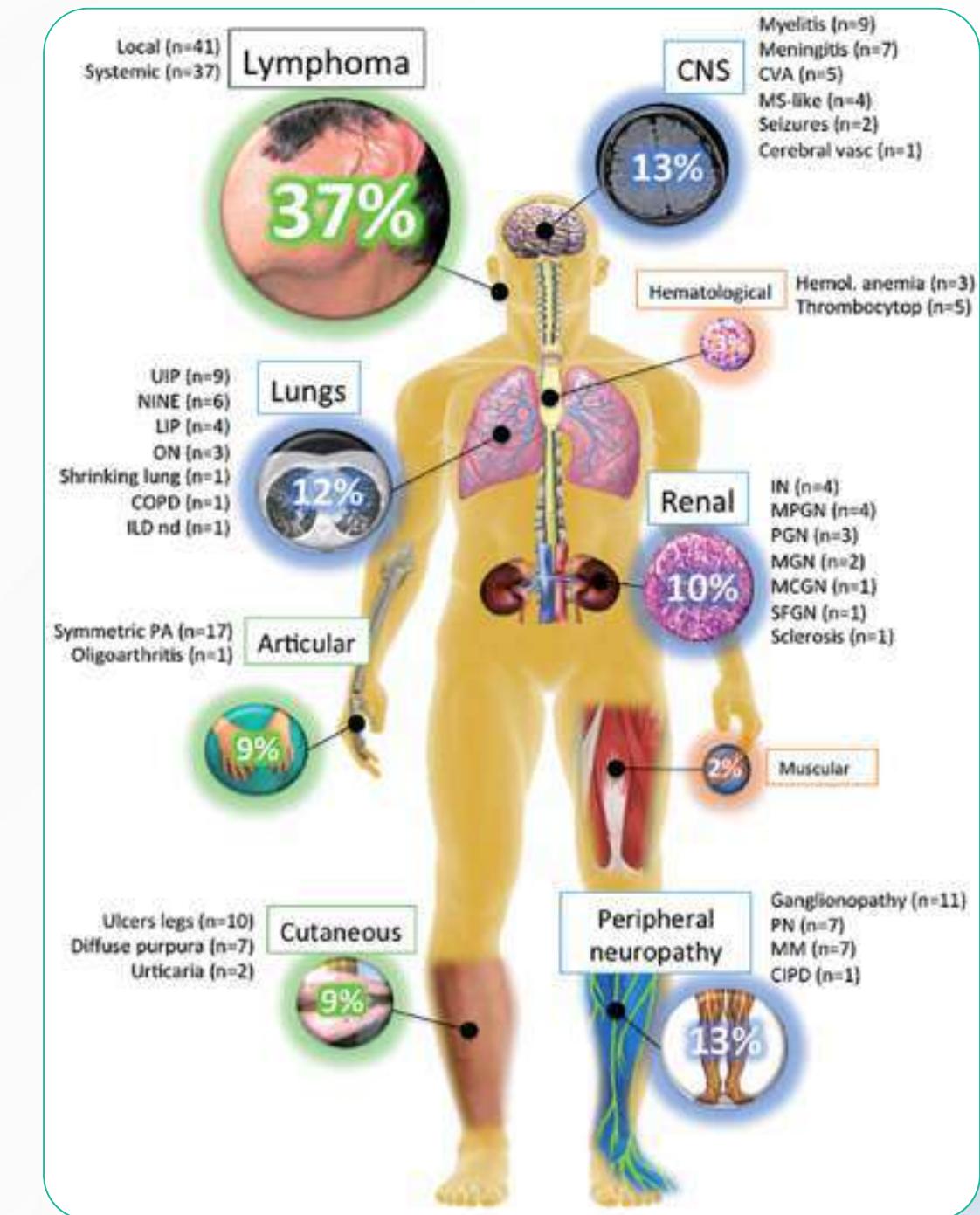


RHEUMATOID
ARTHRITIS

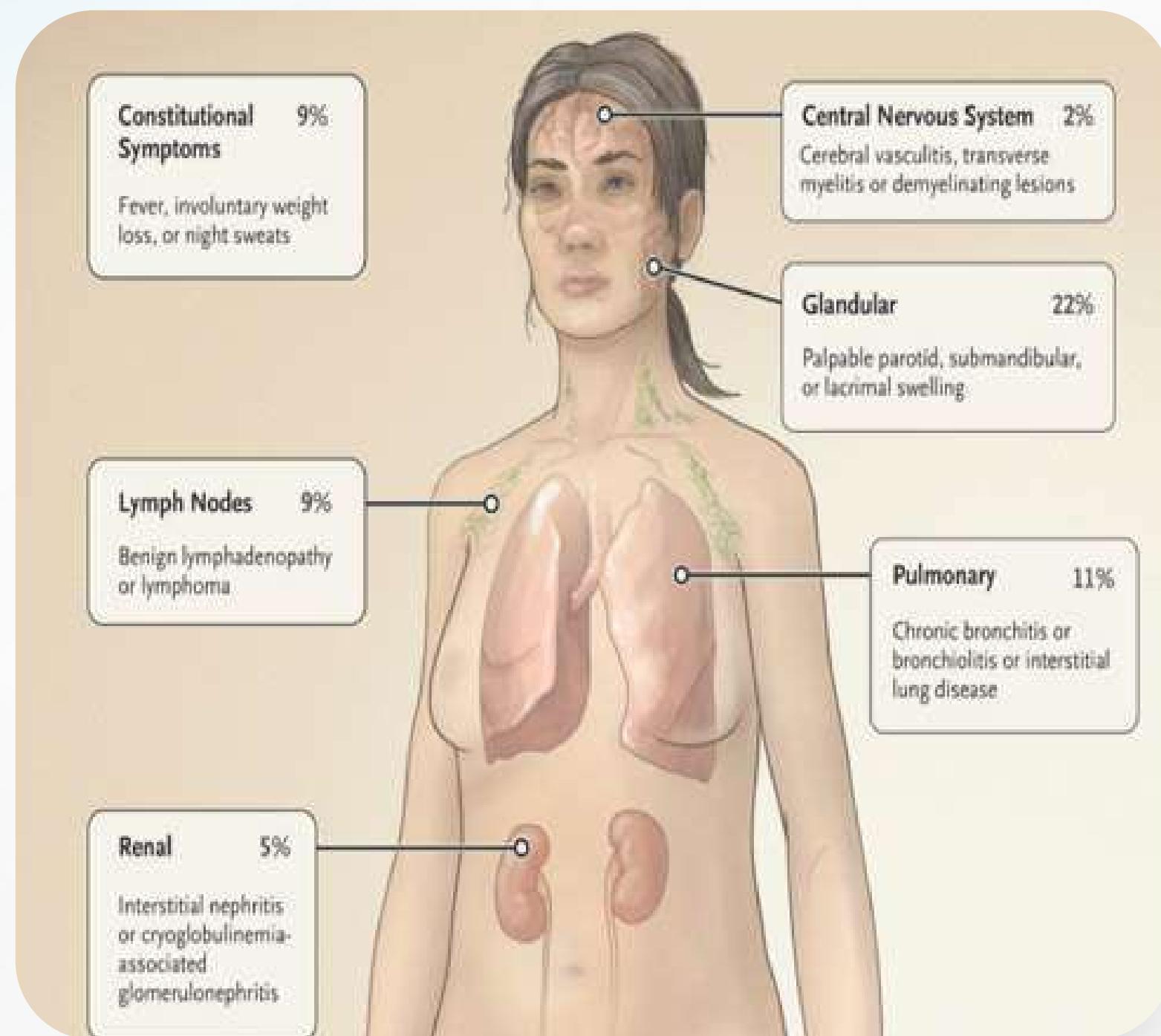


SJOGREN's
DISEASE

Sjogren's Disease



Sjogren's Disease



Sjogren syndrome – cutaneous vasculitis



THANK YOU



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