



**Assist. Prof. Dr Carsten Werner Lederer**

*Group leader at the Molecular Genetics Thalassemia Department of the Cyprus Institute of Neurology and Genetics (CING) and the head of the MGTD Gene Editing and Therapy unit*

Dr Lederer is group leader at the Molecular Genetics Thalassemia Department (MGTD; head: Marina Kleanthous) of the Cyprus Institute of Neurology and Genetics (CING), where he heads the MGTD Gene Editing and Therapy unit. Dr Lederer is Assistant Professor and course coordinator at the Cyprus School for Molecular Medicine, executive board member of the Global Globin 2020 Challenge, co-curator of the ITHANET Portal, board member of the Cyprus Society of Human Genetics and member of the Hellenic Society of Gene Therapy and Regenerative Medicine.

**Research Interests**

Dr Lederer's current research focus is the gene therapy of  $\beta$ -globinopathies and particularly of  $\beta$ -thalassaemia by three different approaches, a) mutation-specific RNAi-supplementation of gene addition, b) genome editing of disease modifiers and c) homology-independent gene repair. Additional scientific activities include involvement in the development of the ITHANET Portal and its classification of pathological variants, as well as the promotion of the Global Globin 2020 Challenge for prevention, disease management and comprehensive epidemiology in low- and middle-income countries.

**Publications**

Dr Lederer is author of 31 peer-reviewed articles with over 1800 literature citations and an h index of 15. For an updated list of publications, see here.