

Erasmus Hematology Award Lecture 2017



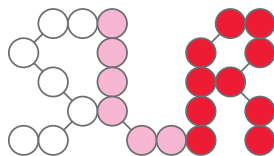
Neal S. Young

Center for Human Immunology
National Institutes of Health (NIH)
Bethesda, Maryland, USA.

Understanding - Curing? - Aplastic Anemia

21 March 2017

at 4:00 pm



STICHTING LEUKEMIE ROTTERDAM

Supported by Stichting Leukemie Rotterdam

Registration: erasmus.hematology.award@erasmusmc.nl

Neal S. Young M.D.



Dr. Neal S. Young is Chief of the Hematology Branch and Director of the Center for Human Immunology at the National Institutes of Health (NIH) in Bethesda, Maryland, USA.

Neal Young's accomplishments display great scientific originality and have had great practical importance to patients with serious blood diseases. Young showed that lymphocyte attack on hematopoietic stem cells was the principal pathophysiology of aplastic anemia, described specific roles for dominant oligoclonal cytotoxic T cells, type I cytokines, transcription factor Tbet, Fas-mediated apoptosis and bystander effects in producing aplastic anemia and reproduced these mechanisms in murine models. Young has developed one of the largest clinics for these diseases, where NIH protocols pioneered the use, first, of antithymocyte immunoglobulin for treating aplastic anemia, and, more recently, efficacy of the first drug to act directly on human hematopoietic stem cells in marrow failure. A disease of young persons with almost always a rapidly fatal outcome is now usually ameliorated and often cured, due to his efforts. Young directed the largest population study of aplastic anemia in Thailand which implicated a viral etiology for bone marrow failure and led to the elucidation of B19 parvovirus and its role in human disease.

Young also uncovered the role of mutations in telomere repair genes that facilitate the transition from aplastic anemia to leukemia, including the first description of telomerase gene mutations in humans. His discovery that sex hormones modulate telomerase activity was followed by demonstration of telomere elongation and clinical benefit in human patients.

Neal S. Young: recipient of the Erasmus Hematology Award 2017

Award Lecture: Understanding - Curing? - Aplastic Anemia

The Erasmus Hematology Award has been established to honor a distinguished scientist who has made pivotal contributions to our understanding in an area of Hematology.

Dr. Neal Young is the world's leading expert in the field of bone marrow failure, engaging in groundbreaking research that has led to life-saving treatments for a rare and deadly blood disorder known as aplastic anemia, and is also known for his contributions to the pathophysiology of parvovirus B19 infection.

The official ceremony and the award lecture entitled 'Understanding – Curing? – Aplastic Anemia' will take place at De Doelen, Jurriaanse Kwartier, Kruisplein 30, 3012 CC Rotterdam on Tuesday March 21, 2017 at 4.00-5.00 pm. Dr. Young is hosted by the Department of Hematology at Erasmus University Medical Center.

If you wish to attend the 2017 Award Lecture, please register at:
erasmus.hematology.award@erasmusmc.nl

For information please contact Prof. Pieter Sonneveld
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