

Prof. Dr. Anthony D. Ho

Director Dept. of Medicine V (Hematology, Oncology, Rheumatology), Heidelberg



1.7.1948

Medical Clinic V
Im Neuenheimer Feld 410
69120 Heidelberg

06221 56 8001 (phone)
06221 56 5813 (fax)
anthony.ho@med.uni-heidelberg.de

SCIENTIFIC VITA:

- 1968-1974 Medical Schools at the Universities Innsbruck, Austria, and Heidelberg, Germany
- 1975-1980 Training in Internal Medicine, Hematology and Medical Oncology, University of Heidelberg, Germany
- 1980-1981 Honorary Lecturer at the Royal Free Hospital and School of Medicine, Hampstead, London (as Scholar supported by the Deutsche Krebshilfe, Bonn), U.K.
- 1983 Habilitation, University of Heidelberg
- 1989-1992 Title of ausserplanmässiger Professor of Medicine, University of Heidelberg
- 1990-1992 Full Professor, Department of Medicine, Faculty of Medicine, University of Ottawa; Director of Research, Northeastern Ontario Regional Cancer Center, Sudbury, Ontario, Canada
- 1992-1998 Professor of Medicine, Division of Hematology/Oncology, Department of Medicine, University of California, San Diego, San Diego, California, U.S.A.
- 1996-1998 Co-Division-Chief, Division of Hematology-Oncology, University of California San Diego, San Diego, California, U.S.A
- since 1998 Chair and Director of the Department of Medicine V of the University of Heidelberg, Germany
- since 2003 Honorary Professor, Tongji-University in Wuhan, China

HONORS AND AWARDS

Member of the Central Ethics Committee for Stem Cell Research of the National Parliament, (Bundestag), Berlin since 2002
Member of the Heidelberg Academy of Sciences since 2003
Patent: US Patent „HIV-specific Ribozymes“ Patent Number 5, 670, 361 of 23.09.97
Best doctors in America 1996, 1997, 1998

FIELDS OF INTEREST

Biology and cell divisions of stem cells: asymmetric divisions of adult stem cells, regulation of self-renewal and differentiation of stem cells, control mechanisms of self-renewal versus differentiation. Interactions between stem cells and their niche: the roles of cell-cell contact and communications between stem cells and the cellular determinants in controlling the long-term fate, signal transductions regulating self-renewal induced by adhesion.

SELECTED PUBLICATIONS (SINCE 2000)

Munder M, Schneider H, Luckner C, Giese T, Langhans CD, Fuentes JM, Kropf P, Mueller I, Kolb A, Modolell M, Ho AD (2006). Suppression of T-cell functions by human granulocyte arginase. **Blood** 108, 1627-1634

Luft T, Rodionova E, Maraskovsky E, Kirsch M, Hess M, Buchholtz C, Goerner M, Schnurr M, Skoda R, Ho AD (2006). Adaptive functional differentiation of dendritic cells: integrating the network of extra- and intracellular signals. **Blood** 107, 4763-4769

Wagner W, Saffrich R, Wirkner U, Eckstein V, Blake J, Ansorge A, Schwager C, Wein F, Miesala K, Ansorge W, Ho AD (2005). Hematopoietic progenitor cells and cellular microenvironment - Behavioral and molecular changes upon interaction. **Stem Cells** 13, 1050-1080

Ho AD, Wagner W, Mahlkecht U (2005). Stem cells and ageing. **EMBO Reports** 6, S35-38

Luft T, Maraskovsky E, Schnurr M, Knebel K, Kirsch M, Görner M, Skoda R, Ho AD, Nawroth P, Bierhaus A (2004). Tuning the volume of the immune response: strength and persistence of stimulation determine migration and cytokine secretion of dendritic cells. **Blood** 104, 1066-1074

Wagner W, Ansorge A, Wirkner U, Eckstein V, Schwager C, Blake J, Miesala K, Selig J, Saffrich R, Ansorge W, Ho AD (2004). Molecular evidence for stem cell function of the slow-dividing fraction among human hematopoietic progenitor cells by genome-wide analysis. **Blood** 104, 675-686

Punzel M, Liu D, Zhang T, Eckstein V, Miesala K, Ho AD (2003). The symmetry of initial divisions of human hematopoietic progenitors is altered only by the cellular microenvironment. **Exp Hematol** 31, 339-347

Neben K, Mytilineos J, Moehler TM, Preiss A, Kraemer A, Ho AD, Opelz G, Goldschmidt H (2002). Polymorphisms of the tumor necrosis factor-alpha gene promoter predict for outcome after thalidomide therapy in relapsed and refractory multiple myeloma. **Blood** 100, 2263-2265

Neben K, Giesecke C, Schweizer S, Ho AD, Kramer A (2003). Centrosome aberrations in acute myeloid leukemia are correlated with cytogenetic risk profile. **Blood** 101, 289-291

Nierhoff D, Horvath HC, Mytilineos J, Golling M, Bud O, Klar E, Opelz G, Voso MT, Ho AD, Haas R, Hohaus S (2000). Microchimerism in bone-marrow-derived CD34⁺ cells of patients after liver transplantation. **Blood** 96, 763-767