

Curriculum vitae, Achim Weber

Current position

Professor of Molecular Pathology (Lehrstuhl für Molekulare Pathologie), University of Zurich
Deputy Department Director, Department of Pathology and Molecular Pathology, University Zurich (UZH) and University Hospital Zürich (USZ)

Address

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University education

1988-1994 Medical School, Johannes Gutenberg-University Mainz, Germany
1995 United States Medical Licensing Examination (USMLE Step 1 und Step 2)

Dissertation

1994 *Role of Guanylatcyclase for the Regulation of Synaptic Ribbons in Rat Pineal organs*

Habilitation

2008 *DNA Conformation and DNA Topology in Gene Regulation: Physiology and Cancerogenesis*

Professional record

1995-1996 Internship, Medical Department (Hematology, Oncology, Rheumatology), Ruprecht-Karls-University Heidelberg
1996-1998 Resident, Institute of Pathology, Heinrich-Heine-University Düsseldorf
1998-2001 Visiting Research Fellow, Laboratory of Pathology, Gene Regulation Section, National Cancer Institute, NIH, Bethesda, MD, USA
2001-2003 Resident, Institute of Pathology, Molecular Pathology Section, Eberhard-Karls-University Tübingen
2003-2006 Resident / staff pathologist, Institute of Pathology, Johannes Gutenberg-University Mainz
04/2006 ■ Board certification as pathologist (Germany)
07/2006 ■ Board certification as molecular pathologist (Germany)
2006 Staff pathologist, Department of Pathology, Institute of Surgical Pathology, University Hospital Zürich
2007 ■ Board certification as molecular pathologist (FMH - Switzerland)
2010 Assistant Professor (*tenure track, Lehrstuhl für Pathologie*), University Zurich
2013 Member of the Directorate, Institute of Surgical Pathology, University and Hospital Zürich
2017 Professor (Extraordinarius), University Zurich
2017 Deputy Department Director

Major professional responsibilities

2005-2006 Head of the laboratory of molecular diagnostics, Institute of Pathology, Johannes Gutenberg-University Mainz
2007- Head of the laboratory of molecular endocrine pathology, Institute of Surgical Pathology, Zurich
2008- Physician head (Ärztliche Leitung) of the laboratory of molecular diagnostics, Institute of Surgical Pathology, Zurich
2010-2015 Board member and President of the Section Pathology, Swiss Group for Clinical Cancer Research (SAKK)
2013- Member of the Directorate, Institute of Surgical Pathology, University and Hospital Zurich
2017- Deputy Director, Department of Pathology and Molecular Pathology

Awards and prizes

- 1990-1994 Students excellence scholarship (Cusanuswerk)
 1998-1999 Research Fellowship (German Research Foundation - DFG)
 1999-2001 Fogarty Research Fellowship (Fogarty International Centre, NIH)
 2007 George Tiniakos Award (best contribution in gastrointestinal, liver and pancreas pathology; 22th Meeting of the European Society of Pathology, Istanbul)
 2016 Award for Interdisciplinary Cooperation 2014/2015, Helmholtz Society, Munich

Professional memberships

- German Society of Pathology (DGP)
 German Society for Cancer Research (Deutsche Krebsgesellschaft)
 International Academy of Pathology (IAP)
 Swiss Society of Pathology (SGPath)
 Swiss Society of Molecular Pathology
 Swiss Group for Clinical Cancer Research (SAKK)

Selected recent publications

Boege Y, Malehmir M, Healy ME, Bettermann K, Lorentzen A, Vucur M, Ahuja AK, Böhm F, Mertens JC, Shimizu Y, Frick L, Remouchamps C, Mutreja K, Kähne T, Sundaravinayagam D, Wolf MJ, Rehrauer H, Koppe C, Speicher T, Padrissa-Altés S, Maire R, Schattenberg JM, Jeong JS, Liu L, Zwirner S, Boger R, Hüser N, Davis RJ, Müllhaupt B, Moch H, Schulze-Bergkamen H, Clavien PA, Werner S, Borsig L, Luther SA, Jost PJ, Weinlich R, Unger K, Behrens A, Hillert L, Dillon C, Di Virgilio M, Wallach D, Dejardin E, Zender L, Naumann M, Walczak H, Green DR, Lopes M, Lavrik I, Luedde T, Heikenwalder M*, **Weber A***
A Dual Role of Caspase-8 in Triggering and Sensing Proliferation-Associated DNA Damage, a Key Determinant of Liver Cancer Development
Cancer Cell 2017 32(3):342-359

Lenggenhager D*, Gouttenoire J*, Malehmir M, Bawohl M, Honcharova-Biletska H, Kreutzer S, Semela D, Neuweiler J, Hürlimann S, Aepli P, Fraga M, Sahli R, Terracciano L, Rubbia-Brandt L, Müllhaupt B, Sempoux C, Moradpour D, **Weber A**
Visualization of hepatitis E virus RNA and proteins in the human liver
Journal of Hepatology 2017 67(3):471-479

- editorial to Lenggenhager et al.: Protzer U *Visualizing HEV infection in human liver tissue* **Journal of Hepatology** 2017 67(3):443-445

Ma C, Kesarwala AH, Eggert T, Medina-Echeverez J, Kleiner DE, Jin P, Stroncek DF, Terabe M, Kapoor V, ElGindi M, Han M, Thornton AM, Zhang H, Egger M, Luo J, Felsner DW, McVicar DW, **Weber A**, Heikenwalder M, Greten TF
NAFLD causes selective CD4(+) T lymphocyte loss and promotes hepatocarcinogenesis
Nature 2016 531(7593):253-7

Köhler UA, Böhm F, Rolfs F, Egger M, Hornemann T, Pasparakis M, **Weber A*#**, Werner S*#
NF- κ B/RelA and Nrf2 cooperate to maintain hepatocyte integrity and to prevent development of hepatocellular adenoma
Journal of Hepatology 2016 64(1):94-102

Friemel J, Rechsteiner M, Frick L, Böhm F, Struckmann K, Sigg M, Moch H, Heikenwalder M, **Weber A**
Intratumor heterogeneity in hepatocellular carcinoma
Clinical Cancer Research 2015 21(8):1951-61

- highlights of this issue: *Implications for Tumor Classifications and Targeted Therapies Clinical Cancer Research* 2015 21(8):1777
- editorial to Friemel et al.: Nault & Villanueva *Intratumor Molecular and Phenotypic Diversity in Hepatocellular Carcinoma Clinical Cancer Research* 2015 21(8):1786-88

Protzer U, Böhm B, Longerich T, Seebach J, Navid MH, Friemel J, Marques-Maggio E, Bawohl M, Heikenwalder M, Schirmacher P, Dutkowski P, Clavien PA, Schemmer P, Schnitzler P, Gotthardt D, Müllhaupt B, **Weber A**
Molecular detection of hepatitis E-virus (HEV) in liver biopsies after liver transplantation
Modern Pathology 2015 28(4):523-32

Wolf MJ, Adili A, Piotrowitz K, Abdullah Z, Boege Y, Stemmer K, Ringelhan M, Simonavicius N, Egger M, Wohlleber D, Lorentzen A, Einer C, Schulz S, Clavel T, Protzer U, Thiele C, Zischka H, Moch H, Tschöp M, Tumanov AV, Haller D, Unger U, Karin M, Kopf M, Knolle P*, **Weber A*#**, Heikenwalder M*#
Metabolic activation of intrahepatic CD8+ and NKT-cells causes nonalcoholic steatohepatitis and hepatocellular carcinoma via cross-talk with hepatocytes
Cancer Cell 2014 26(4):549-64

- cover page of **Cancer Cell**, Volume 26, Issue 4 October 13, 2014: *Feedforward loop for NKT and CD8+ cells in NASH and HCC*

Weber A*, Boger R*, Vick B, Urbanik T, Haybaeck J, Zoller S, Teufel A, Krammer PH, Opferman JT, Galle PR, Schuchmann M, Heikenwalder M, Schulze-Bergkamen H
Hepatocyte-specific deletion of the anti-apoptotic protein Mcl-1 triggers proliferation and hepatocarcinogenesis in mice
Hepatology 2010 51(4):1226-36

- editorial to Weber et al.: Jost & Kaufmann *Cancer caused by too much apoptosis--an intriguing contradiction?* **Hepatology** 2010 51(4):1110-12