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Aachen, Germany

Curriculum vitae

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Date & place of birth: 12th April 1977, Liberec, Czech Republic

Nationality: Czech

Education and research training

9/2017	Board certification “Gastroenterology”
4/2014-present	Senior physician, department of internal medicine III, university hospital Aachen
5/2013	Board certification “Internal Medicine”
7/2012-present	Physician and IZKF research group leader, department of internal medicine III, university hospital Aachen
7/2011	Assistant Professor in Internal Medicine
9/2007-7/2012	Assistent physician, department of internal medicine, university hospital Ulm
1/2004-8/2007	Postdoctoral research fellow Stanford University.
2003	Doctoral thesis in medicine at the Institute of Anatomy, Johannes Gutenberg Universität, Mainz (“summa cum laude”).
1997-2003	Medical studies in Mainz, Germany, invariably in the upper 5% (Physikum, first and second part of state exam).
1996	Czech and German high school diploma.
1995	Entry exams for medical studies at German Universities above 90 th percentile.
1991-1996	Bilingual Czech-German high school.

Teaching Experience

2007-present	Teaching in internal medicine
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Awards and Honours

5/2017	EASL Registry Grant for Alpha1-antitrypsin deficiency-related liver disease
Since 1/2017	Else Kröner Exzellenzstipendium
1/2016	UEG Rising star Award 2016
5/2015	2015 AASLD Fellow Travel Award
6/2014	Academic Editor, PLoS One
Since 2011	Reviewer UpToDate
Since 7/2011	Research funding from DFG (German Research Council)-Sachbeihilfe (STR 1095/4-1)
7/2009-	Editorial board member “Gastroenterology”
2009-2013	Research funding in Emmy Noether Programme (STR 1095/2-1)
Since 6/2008	Research funding from DFG (German Research Council)
5/2006	2006 GRG/AGA Fellow Travel Award
5/2005	2005 GRG/AGA Fellow Travel Award
11/2004	Prize for the best Czech scientific contribution done by an university student (Česká hlava).

1/2004-12/2005	EMBO long term postdoctoral fellowship.
2003	Robert-Müller doctoral fellowship.
2003	Doctoral thesis in medicine - distinction "Summa cum laude".
6/2002	Member of university team, second place in Benjamin-Franklin-Contest (contest between seven German medical schools).
1996-2003	Government of Rheinland-Palatinate educational scholarship for talented.
1996	12 th place in all-Czech round in mathematics.
1990-1996	Winner of several local contests in mathematics, physics and history.

Language Skills

English (fluent), Czech (native language), German (other native language), Russian and French (limited speaking and writing skills).

Original publications in Peer-Reviewed Journals

1. Strnad P, Windoffer R, Leube RE. (2001) In vivo detection of cytokeratin filament network breakdown in cells treated with the phosphatase inhibitor okadaic acid. *Cell Tissue Res* 306:277-293.
2. Strnad P, Windoffer R, Leube RE. (2002) Induction of rapid and reversible cytokeratin filament network remodeling by inhibition of tyrosine phosphatases. *J Cell Sci* 115:4133-4148.
3. Strnad P, Windoffer R, Leube RE. (2003) Light-induced resistance of the keratin network to the filament-disrupting orthovanadate tyrosine phosphatase inhibitor. *J Invest Dermatol* 120:198-203.
4. Werner NS, Windoffer R, Strnad P, Grund C, Leube RE, Magin TM. (2004) Epidermolysis bullosa simplex-type mutations alter the dynamics of the keratin cytoskeleton and reveal a contribution of actin to the transport of keratin subunits. *Mol Biol Cell* 15:990-1002.
5. Windoffer R, Wöll S, Strnad P, Leube RE. (2004) Identification of novel principles of keratin filament network turnover in living cells. *Mol Biol Cell* 15:2436-2448.
6. Tao GZ, Zhou Q, Strnad P, Salemi MR, Lee YM, Omary MB. (2005) Human ran cysteine-112 oxidation by pervanadate regulates its binding to keratins. *J Biol Chem* 280:12162-12167.
7. Choi K, Siegel M, Piper JL, Yuan L, Cho E, Strnad P, Omary B, Rich KM, Khosla C. (2005) Chemistry and biology of dihydroisoxazole derivatives: selective inhibitors of human transglutaminase 2. *Chem Biol* 12:469-475.
8. Nakamichi I, Toivola DM, Strnad P, Michie SA, Oshima RG, Baribault H, Omary MB. (2005) Keratin 8 overexpression promotes mouse Mallory body formation. *J Cell Biol* 171:931-937.
9. Tao GZ, Toivola DM, Zhou Q, Strnad P, Xu B, Michie SA, Omary MB. (2006) Protein phosphatase 2A associates with and dephosphorylates keratin-8 after hyposmotic stress in a site and cell specific manner. *J Cell Sci* 119:1425-1432.
10. Strnad P, Lienau TC, Tao GZ, Ku NO, Magin TM, Omary MB. (2006) Temperature sensitivity may underestimate keratin mutation detection by DHPLC. *Hum Mutat* 27:444-452.
11. Strnad P, Siegel M, Toivola DM, Choi K, Kosek JC, Khosla C, Omary MB. (2006) Pharmacologic transglutaminase inhibition attenuates drug-primed liver hypertrophy but not Mallory body formation. *FEBS Lett* 580:2351-2357.
12. Strnad P, Lienau TC, Tao GZ, Lazzeroni L, Stickel, F, Schuppan D, Omary MB. (2006) Keratin variants associate with fibrosis and inflammation progression during chronic hepatitis C infection. *Hepatology* 43:1354-1363.

13. Harada M, Strnad P, Resurreccion E, Ku NO, Omary MB. (2007) Keratin 18 overexpression but not phosphorylation or filament disorganization blocks mouse Mallory body formation. *Hepatology* 45:88-96.
14. Strnad P, Harada M, Siegel M, Terkeltaub RA, Graham RM, Khosla C, Omary MB. (2007). Transglutaminase-2 regulates Mallory body inclusion formation and injury associated liver hypertrophy. *Gastroenterology* 132:1515-1526.
15. Tao GZ*, Strnad P*, Zhou Q*, Kamal A, Zhang L, Madani ND, Kugathasan S, Brant SR, Cho JH, Omary MB, Duerr RH. (2007) Analysis of keratin polypeptides 8 and 19 variants in inflammatory bowel disease. *Clin Gastroenterol Hepatol* 5:857-864.
16. Winkler DT, Strnad P, Meier ML, Roten S, Went P, Steck AJ, Lyrer P. (2007) Myasthenia gravis, paraneoplastic pemphigus and thymoma, a rare triade. *J Neurol* 254:1601-1603.
17. Zhong B*, Strnad P*, Toivola DM, Ji X, Greenberg HB, Omary MB. (2007) Reg-II is an exocrine pancreas injury-response product that is up-regulated by keratin absence or mutation. *Moll Biol Cell* 18: 4969-4978.
18. Chen W, Wang S, Ma Y, Zhou Y, Liu H, Strnad P, Kraemer FB, Krauss RM, Liu J. (2008) Analysis of polymorphisms in the 3' untranslated region of the LDL receptor gene and their effect on plasma cholesterol levels and drug response. *Int J Mol Med* 21:345-353.
19. Strnad P, Tao GZ, Zhou Q, Harada M, Toivola DM, Brunt EM, Omary MB. (2008) Keratin mutation predisposes to mouse liver fibrosis and unmasks differential effects of the CCl₄ and thioacetamide models. *Gastroenterology* 134:1169-1179.
20. Toivola DM, Nakamichi I, Strnad P, Michie SA, Ghori N, Harada M, Zeh K, Oshima RG, Baribault H, Omary MB. (2008) Keratin overexpression levels correlate with the extent of spontaneous pancreatic injury. *Am J Pathol* 172:882-892.
21. Siegel M, Strnad P, Watts RE, Choi K, Jabri B, Omary MB, Khosla C. (2008) The predominant form of transglutaminase 2 is catalytically inactive, but is transiently activated upon tissue injury. *PLoS ONE* 3:e1861.
22. Harada M, Strnad P, Toivola DM, Omary MB. (2008) Autophagy modulates inclusion formation and apoptosis in cell culture: Inclusions associate with organelle reorganization. *Exp Cell Res* 314:1753-1764.
23. Tao GZ, Li DH, Toivola DM, Zhou Q, Strnad P, Sandesara N, Cheung RC, Hong A, Omary MB. (2008) Monitoring caspase activation in situ using novel keratin fragment-specific antibodies. *J Pathol* 215:164-174.
24. Strnad P, Tao GZ, So P, Lau K, Schilling J, Wei Y, Liao J, Omary MB. (2008) "Toxic memory" via chaperone modification is a potential mechanism for rapid Mallory-Denk body induction. *Hepatology* 48:931-942.
25. Hanada S, Strnad P, Brunt EM, Omary MB. (2008) The genetic background modulates susceptibility to mouse liver Mallory-Denk body formation and liver injury. *Hepatology* 48:943-952.
26. Zhong B*, Strnad P*, Selmi C, Invernizzi P, Tao GZ, Caleffi A, Chen M, Bianchi I, Podda M, Pietrangelo A, Gershwin ME, Omary MB. (2009) Keratin variants are over-represented in primary biliary cirrhosis and associate with disease severity. *Hepatology* 50:546-554.
27. Schwarz P, Strnad P, Singer N, Oswald F, Eehalt R, Adler G, Kulaksiz H. (2009) Identification, sequencing, characterization, and cellular localization of hepcidin in guinea pig (*Cavia porcellus*) *J Endocrinol* 202:389-96.
28. Tao GZ, Looi KS, Toivola DM, Strnad P, Zhou Q, Liao J, Omary MB. (2009) Keratins modulate the shape and function of hepatocyte mitochondria: a mechanism for protection from apoptosis. *J Cell Sci* 122:3851-3855
29. Strnad P, Zhou Q, Hanada S, Lazzeroni LC, Zhong B, So P, Davern TJ, Lee WM, the Acute Liver Failure Study Group (ALFSG), Omary MB. (2010) Keratin variants predispose to acute liver failure and adverse outcome: race and ethnic associations. *Gastroenterology* 139:828-35.

30. Ku NO, Toivola DM, Strnad P, Omary MB. Cytoskeletal keratin glycosylation protects from epithelial tissue injury. *Nat Cell Biol* 12:876-885.
31. Schwarz P, Strnad P, von Figura G, Janetzko A, Krayenbühl P, Adler G, Kulaksiz H. (2011) A novel monoclonal antibody immunoassay for the detection of human serum hepcidin. *J Gastroenterol* 46:648-56.
32. Kulaksiz H, Strnad P, Römpf A, Barth T, Esposito I, Adler G, Stiehl A. (2011) A novel method of forceps biopsy improves the diagnosis of proximal biliary malignancies. *Dig Dis Sci* 56:596-601.
33. Strnad P, Schwarz P, Rasenack MCD, Kucukoglu O, Habib RI, Heuberger D, Eehalt R, Müller MW, Stiehl A, Adler G, Kulaksiz H. (2011) Hepcidin is an antibacterial, stress-inducible peptide of the biliary system. *PLoS One* 6:e16454.
34. Hartmann D, Srivastava U, Thaler M, Kleinhans KN, N'kontchou G, Scheffold A, Bauer K, Kratzer RF, Kloos N, Katz SF, Song Z, Begus-Nahrman Y, Kleger A, von Figura G, Strnad P, Lechel A, Günes C, Potthoff A, Deterding K, Wedemeyer H, Ju Z, Song G, Xiao F, Gillen S, Schrezenmeier H, Mertens T, Ziolk M, Friess H, Jarek M, Manns MP, Beaugrand M, Rudolph KL. (2011) Telomerase gene mutations are associated with cirrhosis formation. *Hepatology* 53:1608-17.
35. Strnad P, Usachov V, Debes C, Gräter F, Parry DAD, Omary MB. (2011) Unique amino acid signatures that are evolutionarily conserved distinguish simple-type, epidermal and hair keratins. *J Cell Sci* 124:4221-32.
36. Schwarz P, Kübler J, Strnad P, Müller K, Barth T, Gerloff A, Feick P, Peyssonnaud C, Vaulont S, Adler G, Kulaksiz H. (2012) Hepcidin is localized in gastric parietal cells, regulates acid secretion and is induced by *H. pylori* infection. *Gut* 61:193-201.
37. Strnad P*, Kucukoglu O*, Lunova M, Güldiken N, Lienau TC, Stickel F, Omary MB. (2012) Non-coding keratin variants associate with liver fibrosis progression in patients with hemochromatosis. *PLoS One* 7: e32669
38. Kwan R, Hanada S, Harada M, Strnad P, Li DH, Omary MB. (2012) Keratin 8 phosphorylation regulates its transamidation and hepatocyte Mallory-Denk body formation. *FASEB J* 26:2318-26.
39. Hadem J, Tacke F, Bruns T, Langgartner J, Strnad P, Denk GU, Fikatas P, Manns MP, Hofmann WP, Gerken G, Grünhage F, Umgelter A, Trautwein C, Canbay A; The Acute Liver Failure Study Group Germany. (2012) Etiologies and Outcomes of Acute Liver Failure in Germany. *Clin Gastroenterol Hepatol* 10:664-669.
40. Sunami Y, Leithäuser F, Gul S, Fiedler K, Güldiken N, Espenlaub S, Holzmann KH, Hipp N, Sindrilari A, Luedde T, Baumann B, Wissel S, Kreppel F, Schneider M, Scharffetter-Kochanek K, Kochanek S, Strnad P*, Wirth T*. (2012) Hepatic activation of IKK/NF- κ B signaling induces liver fibrosis via macrophage-mediated chronic inflammation. *Hepatology* 56:1117-28
41. Lunova M, Zizer E, Kucukoglu O, Schwarz C, Dillmann WH, Wagner M, Strnad P. (2012) Hsp72 Overexpression Accelerates the Recovery from Caerulein-Induced Pancreatitis. *PLoS One* 7: e39972
42. Trieb C, von Figura G, Stuhmann M, Butzeck B, Krayenbuehl PA, Strnad P, Kulaksiz H. (2012) Diagnosis of Hereditary Hemochromatosis in the Era of Genetic Testing. *Dig Dis Sci* 57:2988-94.
43. Usachov V, Nahon P, Lunova M, Ziolk M, Rufat P, Sutton A, Beaugrand M, Strnad P. (2012) Keratin 8 variants are infrequent in patients with alcohol-related liver cirrhosis and do not associate with development of hepatocellular carcinoma. *BMC Gastroenterol* 12:147.
44. Strnad P, von Figura G, Gruss R, Jareis K-M, Stiehl A, Kulaksiz H. (2013) Oblique Bile Duct Predisposes to the Recurrence of Bile Duct Stones. *PLoS One* 8:e54601.

45. Mueller K, Sunami Y, Stuetzle M, Guldiken N, Kucukoglu O, Mueller S, Kulaksiz H, Schwarz P, Strnad P. (2013) CHOP-mediated hepcidin suppression modulates hepatic iron load. *J Pathol* 231:532-542
46. Kucukoglu O, Guldiken N, Chen Y, Usachov V, El-Heliebi A, Haybaeck J, Denk H, Trautwein C, Strnad P. (2014) High-fat diet triggers Mallory-Denk body formation via misfolding and crosslinking of excess keratin 8. *Hepatology* 60:169-178
47. Lunova M, Goehring C, Mueller K, Chen Y, Walther P, Vaultont S, Haybaeck J, Lackner C, Trautwein C, Strnad P. (2014) Hepcidin knockout mice fed with iron-rich diet develop chronic liver injury and liver fibrosis due to lysosomal iron overload. *J Hepatol* 61:633-641.
48. Wögenstein KL, Szabo S, Lunova M, Wiche G, Haybaeck J, Strnad P, Boor P, Wagner M, Fuchs P. (2014) Epiplakin deficiency aggravates murine caerulein-induced acute pancreatitis and favors the formation of acinar keratin granules. *PLoS One* 9:e108323
49. Guldiken N, Usachov V, Levada K, Trautwein C, Ziol M, Nahon P, Strnad P. (2015) Keratins 8 and 18 are type II acute-phase responsive genes overexpressed in human liver disease. *Liver Int* 35:1203-1212
50. Szabo S, Wögenstein KL, Österreicher CH, Guldiken N, Chen Y, Doler C, Wiche G, Haybaeck J, Strnad P, Fuchs P. (2015) Epiplakin attenuates experimental mouse liver injury by chaperoning keratin reorganization. *J Hepatol* 62:1357-66.
51. Usachov V, Urban TJ, Fontana RJ, Gross A, Iyer S, Omary MB, Strnad P, on behalf of the Drug-Induced Liver Injury Network. (2015): Prevalence of genetic variants of keratins 8 and 18 in patients with drug-induced liver injury. *BMC Med* 13:196.
52. Guldiken N, Zhou Q, Kucukoglu O, Rehm M, Levada K, Gross A, Kwan R, James LP, Trautwein C, Omary MB, Strnad P. (2015) Human keratin 8 variants promote mouse acetaminophen hepatotoxicity coupled with JNK activation and protein adduct formation. *Hepatology* 62:876-86.
53. Chen Y, Guldiken N, Spurny M, Haybaeck J, Pollheimer MJ, Fickert P, Gassler N, Jeon MK, Trautwein C, Strnad P. (2015) Loss of keratin 19 favours the development of cholestatic liver disease via decreased Notch-mediated ductular reaction. *J Pathol* 237:343-54.
54. Nahon, Nuraldeen R, Rufat P, Sutton A, Trautwein C, Strnad P. (2016) In alcoholic cirrhosis, low serum hepcidin levels associate with poor long-term survival. *Liv Int* 36:185-8.
55. Djurdjaj, Papatiriu M, Bülow RD, Wagnerova A, Lindenmeyer MT, Cohen CD, Strnad P, Goumenos DS, Floege J, Boor P. (2016) Keratins as Novel Markers of Renal Epithelial Cell Injury. *Kidney int* 89:792-808.
56. Nevzorova YA, Cubero FJ, Hu W, Hass U, Ramadori P, Gassler N, Hoss M, Strnad P, Zimmermann HW, Tacke F, Trautwein C, Liedtke C. (2016) Enhanced expression of c-myc in hepatocytes promotes initiation and progression of alcoholic liver disease. *J Hepatol* 64:628-40.
57. Sunami Y, Ringelhan M, Kokai E, Lu M, O'Connor T, Lorentzen A, Weber A, Rodewald AK, Müllhaupt B, Terracciano L, Gul S, Wissel S, Leithäuser F, Krappmann D, Riedl P, Hartmann D, Schirmbeck R, Strnad P, Hüser N, Kleeff J, Friess H, Schmid RM, Geisler F, Wirth T, Heikenwalder M. (2016) Canonical NF- κ B signaling in hepatocytes acts as a tumor-suppressor in HBV surface antigen-driven HCC by controlling the UPR. *Hepatology* 63:1592-607.
58. Tacke F, Nuraldeen R, Koch A, Strathmann K, Hutschenreuter G, Trautwein C, Strnad P. (2016) Iron parameters determine the prognosis of critically ill patients. *Crit Care Med* 44:1049-58.
59. Guldiken N, Kobazi Ensari G, Lahiri P, Couchy G, Preisinger C, Liedtke C, Zimmermann HW, Ziol M, Boor P, Zucman-Rossi J, Trautwein C, Strnad P. (2016) Keratin 23 is a stress-

- inducible marker of mouse and human ductular reaction in liver disease. *J Hepatol* 65:552-59.
60. Lahiri P, Schmidt V, Smole C, Kufferath I, Denk H, Strnad P, Ruelicke T, Fröhlich LF, Zatloukal K. (2016) p62/Sequestosome-1 is indispensable for maturation and stabilization of Mallory-Denk bodies *PLoS One* 11:e0161083
 61. Han CY, Koo JH, Kim SH, Gardenghi S, Rivella S, Strnad P, Hwang SJ, Kim SG. (2016) Hepcidin inhibits Smad3 phosphorylation in hepatic stellate cells by impeding ferroportin-mediated regulation of Akt. *Nat Commun* 7:13817.
 62. Lunova M, Schwarz P, Nuraldeen R, Levada K, Kuscuoglu D, Stütze M, Vujić Spasić M, Haybaeck J, Ruchala P, Jirsa M, Deschemin JC, Vaulont S, Trautwein C, Strnad P. (2017) Hepcidin knockout mice spontaneously develop chronic pancreatitis owing to cytoplasmic iron overload in acinar cells. *J Pathol* 241:104-114.
 63. Bruns T, Nuraldeen R, Mai M, Stengel S, Zimmermann HW, Yagmur E, Trautwein C, Stallmach A, Strnad P. (2017) Low serum transferrin correlates with acute-on-chronic organ failure and indicates short-term mortality in decompensated cirrhosis. *Liver int* 37:232-241.
 64. Alsamman M, Sterzer V, Meurer SK, Sahin H, Schaeper U, Kuscuoglu D, Strnad P, Weiskirchen R, Trautwein C, Scholten D. (2018) Endoglin in human liver disease and murine models of liver fibrosis-A protective factor against liver fibrosis. *Liver Int* 38:858-867.
 65. Levada K, Guldiken N, Zhang X, Vella G, Mo F, James LP, Haybaeck J, Kessler SM, Kiemer AK, Ott T, Hartmann D, Hüser N, Ziol M, Trautwein C, Strnad P. (2018) Hsp72 protects from liver injury via attenuation of hepatocellular death, oxidative stress and JNK-signaling. *J Hepatol* 68:996-1005.
 66. Reiter R, Wetzell M, Hamesch K, Strnad P, Asbach P, Haas M, Siegmund B, Trautwein C, Hamm B, Klatt D, Braun J, Sack I, Tzschätzsch H. (2018) Comparison of non-invasive assessment of liver fibrosis in patients with alpha1-antitrypsin deficiency using magnetic resonance elastography (MRE), acoustic radiation force impulse (ARFI) Quantification, and 2D-shear wave elastography (2D-SWE). *PLoS One* 13:e0196486.
 67. Strnad P*, Buch S*, Hamesch K* et al. Heterozygous carriage of the alpha1-antitrypsin Pi*Z variant increases the risk to develop liver cirrhosis. *Gut* in press.
 68. Gross A, Pack LA, Schacht GM, Kant S, Krusche CA, Meir M, Schlegel N, Ungewiss H, Waschke J, Preisinger C, Guldiken N, Boor P, Heuser A, Sellge G, Trautwein C, Leube RE, Strnad P. The desmosomal cadherin desmoglein 2, but not desmocollin 2, protects from epithelial injury. *Mucosal Immunol* in press.

Invited reviews/Editorials/Letters

1. Zatloukal K, French SW, Stumptner C, Strnad P, Harada M, Toivola DM, Cadrin M, Omary MB. (2007) From Mallory to Mallory-Denk inclusion bodies: what, how and why? *Exp Cell Res* 313:2033-2049
2. Ku NO, Strnad P, Zhong B, Tao GZ, Omary MB. (2007) Keratins let liver live: mutations predispose to liver disease and crosslinking generates Mallory-Denk bodies. *Hepatology* 46:1639-1664
3. Strnad P, Stumptner C, Zatloukal K, Denk H. (2008) Intermediate filament cytoskeleton of the liver in health and disease. *Histochem Cell Biol* 129:735-749.
4. Strnad P, Zatloukal K, Stumptner C, Kulaksiz H, Denk H. (2008) Mallory-Denk bodies: lessons from intermediate filament-containing hepatic inclusion bodies. *Biochim Biophys Acta* 1782:764-774.
5. Strnad P, Omary MB. (2009) Transglutaminase crosslinks Sp1-mediated transcription to ethanol-induced liver injury. *Gastroenterology* 136:1502-5.

6. Omary MB, Ku NO, Strnad P, Hanada S. (2009) Towards unraveling the complexity of ‘simple’ epithelial keratins in human disease. *J Clin Invest* 119:1794–1805.
7. Toivola DM, Strnad P, Habtezion A, Omary MB. (2010) Intermediate filaments take the heat as stress proteins. *Trends Cell Biol* 20:79-91.
8. Molnar A, Haybaeck J, Lackner C, Strnad P. (2011) Cytoskeleton in non-alcoholic steatohepatitis-100 years old but still youthful. *Expert Rev Gastroenterol Hepatol* 5:167-177.
9. Strnad P, Paschke S, Jang KH, Ku NO. (2012) Keratins - markers and modulators of liver disease. *Curr Opin Gastroenterol* 28:209-16.
10. Strnad P, Nuraldeen R, Guldiken N, Hartmann D, Mahajan V, Denk H, Haybaeck J. (2013) Broad Spectrum of Hepatocyte Inclusions in Humans, Animals, and Experimental Models. *Compr Physiol* 3:1393-1436
11. Strnad P, Nuraldeen R, Fischer J, Berg T, Trautwein C. (2014) Hepcidin as a predictor of treatment response in chronic hepatitis C infection. *Hepatology* 59:1648.
12. Sunami Y, von Figura G, Kleger A, Strnad P, Hüser N, Hartmann D. (2014) The Role of Telomeres in Liver Disease. *Prog Mol Biol Transl Sci* 125:159-72.
13. Toivola DM, Boor P, Alam C, Strnad P. (2015) Keratins in health and disease. *Curr Opin Cell Biol* 32C:73-81
14. Lunova M, Trautwein C, Nahon P, Strnad P. (2015) Hepcidin in chronic liver disease and hepatocellular carcinoma: The plot thickens. *J Hepatol* 62:979-80.
15. Hamesch K, Borkham-Kamphorst E, Strnad P, Weiskirchen R. (2015) Lipopolysaccharide-induced inflammatory liver injury in mice. *Lab Anim* 49:37-46.
16. Wallace MC, Hamesch K, Lunova M, Kim Y, Weiskirchen R, Strnad P, Friedman SL. (2015) Standard operating procedures in experimental liver research: thioacetamide model in mice and rats. *Lab Anim* 49:21-29.
17. Strnad P, Guldiken N, Helenius TO, Misiorek JO, Nyström JH, Lähdeniemi IAK, Silvander JSG, Kuscuoglu D, Toivola DM. (2016) Simple epithelial keratins. *Methods Enzymol* 568:351-88.
18. Klionsky DC, et al. (2016) Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy* 12:1-222.
19. Ku NO, Strnad P, Bantel H, Omary MB. (2016) Keratins: Biomarkers and modulators of apoptotic and necrotic cell death in the liver. *Hepatology* 64:966-76.
20. Nuraldeen R, Tacke F, Koch A, Trautwein C, Strnad P (2016) Reply to: Iron parameters determine the prognosis of critically ill patients. *Crit Care Med* 44:e1010-1011
21. Nuraldeen R, Tacke F, Koch A, Trautwein C, Strnad P (2016) Reply to: Iron parameters determine the prognosis of critically ill patients. *Crit Care Med* 44(10):e1012
22. Strnad P, Tacke F, Koch A, Trautwein C. (2017) Liver - guardian, modifier and target of sepsis. *Nat Rev Gastroenterol Hepatol* 14:55-66.
23. Zoubek ME, Trautwein C, Strnad P. (2017) Reversal of liver fibrosis: From fiction to reality. *Best Pract Res Clin Gastroenterol* 31:129-141
24. Kuscuoglu D, Janciauskiene S, Hamesch K, Haybaeck J, Trautwein C, Strnad P. (2018) Liver- master and servant of serum proteome. *J Hepatol* in press

Selected presentations

1. Strnad P, Zhong B, Toivola DM, Ji X, Greenberg HB, Omary MB. Absence of keratins up-regulates Reg-2 expression in the pancreas. (Poster presentation at 2004 American Society for Cell Biology Annual Meeting).
2. Strnad P, Liao J, Lau K, Schilling J, Omary MB. Molecular “memory” via chaperone modification as a potential mechanism for rapid Mallory body induction. (Poster presentation at DDW 2006).

3. Strnad P, Harada M, Siegel M, Terkeltaub RA, Graham RM, Khosla C, Omary MB. Transglutaminase is critical for Mallory body inclusion formation during liver injury (Poster presentation during Gordon research conference on intermediate filaments 2006).
4. Strnad P, Zhong B, Davern TJ, Lee WM, Omary MB and the Acute Liver Failure Study Group (ALFSG) Keratins as susceptibility genes for the development of acute liver failure (Poster presentation at DDW 2007).
5. Siegel M, Strnad P, Watts RE, Choi K, Jabri B, Adler G, Omary MB, Khosla C. Extracellular Transglutaminase 2 is Catalytically Inactive, but is Transiently Activated upon Tissue Injury in the Small Intestine (Poster presentation at DDW 2008, held by P.S.).
6. Strnad P. Mallory-Denk bodies- What are they telling us? (Invited Talk: Prague Hepatology Meeting, Prague 2008)
7. Strnad P. The significance of keratin variants in liver disease: from mice to men and back. (Invited talk: 5th meeting of the intermediate filament network. Sarohus, Sweden 2009)
8. Ö Küçükoglu, H Denk, H Kulaksiz, G Adler, P Strnad. High-fat diet attenuates aggregate formation, but promotes liver cholestasis in a mouse model of Mallory-Denk body formation. (Poster presentation at 5th meeting of the intermediate filament network. Sarohus, Sweden 2009, held by Ö.K.)

Selected posters

1. Strnad P, Windoffer R, Leube RE. Phosphorylation is a key regulator of cytoke­ratin dynamics and cytoke­ratin network formation *in vivo*. EMBO Conference on Protein Phosphorylation and Protein Phosphatases. Marburg. 6/2001.
2. Strnad P, Windoffer R, Leube RE. Determination of cytoke­ratin filament network formation from the cell cortex. 25th Annual Meeting of the German Society for Cell Biology. Straßburg. 11/2001.
3. Strnad P, Windoffer R, Leube RE. Induction of rapid and reversible cytoke­ratin filament network remodeling by inhibition of tyrosine phosphatases. Gordon Research Conference. 7/2002 (selected for oral presentation).
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Experience in clinical research

Since 9/2012 Sub-Investigator on several phase II/III clinical trials/observational studies

- Victrelis PASS
- Incivo NIS
- Roche GenC/PegBase
- AbbVie M13-099
- Boehringer BI 1241.36
- Falk NUC 3
- PADD ON (University Hospital Mainz)
- INTERCEPT-Study INT 747-301
- Norgine PROSPER Study
- INCA (University Hospital Homburg)
- PREDICT (EASL-CLIF)

Since 4/2015 Principal investigator-study “Untersuchung der Lebererkrankung bei Patienten mit Alpha1-Antitrypsinmangel“