

Hudert, Christian, Priv.-Doz., MD (B01)

Personal Data

Title	Priv.-Doz. Dr. med.
First name	Christian
Name	Hudert
Current position	Attending physician, Department of Gastroenterology, Nephrology and Metabolic Diseases, Charité – Universitätsmedizin Berlin; permanent position
Current institution(s)/site(s), country	Department of Gastroenterology, Nephrology and Metabolic Diseases, Charité – Universitätsmedizin Berlin, Augustenburgerplatz 1, 13353 Berlin, Germany
Identifiers/ORCID	ORCID-ID: 0000-0002-3642-0838

Qualifications and Career

Stages	Periods and Details
Degree programme: Medicine	2000 – 2007, Charité – Universitätsmedizin Berlin, Germany (clinical electives: Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts, USA)
Doctorate: MD thesis	19.09.2008: Supervisors: Axel Dignass and Karsten Weylandt, “ <i>Transgenic fat-1 mice are protected from colitis</i> ”, Charité – Universitätsmedizin Berlin, Germany
Stages of academic/professional career	
2021	13.12.2021: Habilitation and venia legendi, Pediatrics, “ <i>Genetic, lipidomic and radiologic traits of pediatric nonalcoholic fatty liver disease</i> ”, Charité – Universitätsmedizin Berlin, Germany
2019	Attending physician, Department of Pediatric Gastroenterology, Nephrology and Metabolic Diseases, Charité – Universitätsmedizin Berlin, Germany
2017	Board certification <i>Pediatric Gastroenterology</i>
2014 – 2019	Study physician (pediatrics), National systems biology consortium for the study on NAFLD, LiSyM, Pillar IV (Liver Systems Medicine, funded by German Ministry for Education and Research)
2013	Board certification <i>Pediatrics</i>
2007	German physician license
2007 – 2013	Pediatrics Residency, Charité - Universitätsmedizin Berlin, Germany
2005 – 2006	Research fellowship, Harvard Medical School, Boston, Massachusetts, USA

Engagement in the Research System

- Steering committee, Fatty Liver Special Interest group, ESPGHAN (European Society for Pediatric Gastroenterology, Hepatology and Nutrition) (2022 – 2023)
- German guideline “LeiSe Leber” on autoimmune liver disease and genetic cholestatic liver disease, member of coordination (2021 – 2023)
- German guideline “Nonalcoholic fatty liver disease” (DGVS), group leader pediatrics (2020 – 2022)

Scientific Results

Category A, * contributed equally, # open access

1. **Hudert CA**, Adams LA, Alisi A, Anstee QM, Crudele A, Draijer LG, Furse S, Hengstler JG, Jenkins B, Karnebeek K, Kelly DA, Koot BG, Koulman A, Meierhofer D, Melton PE, Mori TA, Snowden SG, van Mourik I, Vreugdenhil A, Wiegand S, Mann JP; EU-PNAFLD investigators. Variants in mitochondrial amidoxime reducing component 1 and hydroxysteroid 17-beta dehydrogenase 13 reduce severity of nonalcoholic fatty liver disease in children and suppress fibrotic pathways through distinct mechanisms. **Hepatol Commun** 2022; 6(8):1934-1948. doi: 10.1002/hep4.1955. #
2. **Hudert CA**, Tzschatzsch H, Rudolph B, Loddenkemper C, Holzhutter HG, Kalveram L, Wiegand S, Braun J, Sack I, Guo J. How histopathologic changes in pediatric nonalcoholic fatty liver diseases influence in vivo liver stiffness. **Acta Biomater** 2021; 123:178-186. doi: 10.1016/j.actbio.2021.01.019.
3. Teo K, Abeysekera KWM, Adams L, Aigner E, Anstee QM, Banales JM, Banerjee R, Basu P, Berg T, Bhatnagar P, Buch S, Canbay A, Caprio S, Chatterjee A, Ida Chen YD, Chowdhury A, Daly AK, Datz C, de Gracia Hahn D, DiStefano JK, Dong J, Duret A, EU-PNAFLD Investigators, Emdin C, Fairey M, Gerhard GS, Gold Consortium, Guo X, Hampe J, Hickman M, Heintz L, **Hudert C**, Hunter H, Kelly M, Kozlitina J, Krawczyk M, Lammert F, Langenberg C, Lavine J, Li L, Lim HK, Loomba R, Luukkonen PK, Melton PE, Mori TA, Palmer ND, Parisinos CA, Pillai SG, Qayyum F, Reichert MC, Romeo S, Rotter JI, Im YR, Santoro N, Schafmayer C, Speliotes EK, Stender S, Stickel F, Still CD, Strnad P, Taylor KD, Tybjærg-Hansen A, Umamo GR, Utukuri M, Valenti L, Wagenknecht LE, Wareham NJ, Watanabe RM, Wattacheril J, Yaghoobkar H, Yki-Järvinen H, Young KA, Mann JP. rs641738C>T near MBOAT7 is associated with liver fat, ALT and fibrosis in NAFLD: A meta-analysis. **J Hepatol** 2021; 74(1):20-30. doi: 10.1016/j.jhep.2020.08.027. #
4. Mohs A, Otto T, Schneider KM, Peltzer M, Boekschoten M, Holland CH, **Hudert CA**, Kalveram L, Wiegand S, Saez-Rodriguez J, Longerich T, Hengstler JG, Trautwein C. Hepatocyte-specific NRF2 activation controls fibrogenesis and carcinogenesis in steatohepatitis. **J Hepatol** 2021; 74(3):638-648. doi: 10.1016/j.jhep.2020.09.037.
5. Kalveram L, Schunck WH, Rothe M, Rudolph B, Loddenkemper C, Holzhutter HG, Henning S, Bufler P, Meierhofer D, Zhang I, Weylandt KH, Wiegand S, **Hudert CA**. Regulation of the cytochrome P450 epoxyeicosanoid pathway is associated with distinct histologic features in pediatric non-alcoholic fatty liver disease. **Prostaglandins Leukot Essent Fatty Acids** 2021; 164:102229. doi: 10.1016/j.plefa.2020.102229.
6. Warschburger P, Calvano C, Becker S, Ebinger F, **Hudert C**, Iven E, Posovszky C, Winter SM, Daubmann A, Ozga AK, Wegscheider K. Do Children With Functional Abdominal Pain Benefit More From a Pain-Specific Cognitive-Behavioral Intervention Than From an

- Unspecific Attention Control Intervention? Results of a Randomized Controlled Trial. **Am J Gastroenterol** 2021; 116(6):1322-1355. doi: 10.14309/ajg.0000000000001191.
7. **Hudert CA**, Selinski S, Rudolph B, Blaker H, Loddenkemper C, Thielhorn R, Berndt N, Golka K, Cadenas C, Reinders J, Henning S, Bufler P, Jansen PLM, Holzhütter HG, Meierhofer D, Hengstler JG, Wiegand S. Genetic determinants of steatosis and fibrosis progression in paediatric non-alcoholic fatty liver disease. **Liver Int** 2019; 39:540-556. doi: 10.1111/liv.14006.
 8. **Hudert CA**, Tzschatzsch H, Rudolph B, Blaker H, Loddenkemper C, Müller HP, Henning S, Bufler P, Hamm B, Braun J, Holzhütter HG, Wiegand S, Sack I, Guo J. Tomoelastography for the Evaluation of Pediatric Nonalcoholic Fatty Liver Disease. **Invest Radiol** 2019; 54(4):198-203. doi: 10.1097/RLI.0000000000000529.
 9. **Hudert CA**, Tzschatzsch H, Guo J, Rudolph B, Blaker H, Loddenkemper C, Luck W, Müller HP, Baumgart DC, Hamm B, Braun J, Holzhütter HG, Wiegand S, Sack I.. US Time-Harmonic Elastography: Detection of Liver Fibrosis in Adolescents with Extreme Obesity with Nonalcoholic Fatty Liver Disease. **Radiology** 2018; 88:99-106. doi: 10.1148/radiol.2018172928.
 10. **Hudert CA**, Weylandt KH, Lu Y, Wang J, Hong S, Dignass A, Serhan CN, Kang JX. Transgenic mice rich in endogenous omega-3 fatty acids are protected from colitis. **Proc Natl Acad Sci U S A** 2006; 103(30):11276-11281. doi: 10.1073/pnas.0601280103. #

Academic Distinctions

- Scientific achievement award and Best paper award, GPGE (2020) (German Society for Pediatric Gastroenterology, Hepatology and Nutrition)
- Biomedical exchange grant program (German academic exchange service) (2005)
- Student research award, Crohn's and Colitis Foundation of America (2005)