

DR. DR. ANDREAS E. KREMER

Date of birth: March 3, 1978
Gender: male

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Current position: Physician Scientist and research group leader
Children: none

CURRICULUM VITAE

University education

1998-2006: Medical School (Ludwig Maximilian University, Munich, Germany)

Scientific degrees

2007 Medical Thesis „Impact of Nucleosomes in Serum of Tumor Patients undergoing radiotherapy“, rated magna cum laude. Department of Clinical Chemistry, LMU München, Germany

2015 PhD Thesis „Molecular Mechanisms of Pruritus in Cholestasis“, rated cum laude and honored best thesis of 2015. Tytgat Institute for Liver and Intestinal Research, Academic Medical Center, University of Amsterdam, The Netherlands

Professional experience

2006-2007 Resident at Department of Gastroenterology and Hepatology, Ludwig-Maximilian-University Munich, Germany

2007-2011 PhD period and post-doctoral fellow at Tytgat Institute for Liver & Intestinal Research, Academic Medical Center, University of Amsterdam, NL

since 2012 Physician Scientist and research group leader at the Department of Medicine 1, University Erlangen, Germany

Awards and honors

2010 Schering-Plough Price (Dutch Society for Gastroenterology, NVGE)

2010 Best Clinical Abstract (selected from > 2500 abstracts on the International Liver Congress; European Association for the Study of the Liver, EASL 2010)

2010 Young Investigator Bursary (EASL 2010)

2011 Young Investigator Bursary (EASL 2011)

2012 Young Investigator Bursary (EASL 2012)

2013 Liver Foundation Awardee (HepNet 2013)

2014 UK-PBC Bursary Award (EASL 2014)

2015	Liver Foundation Awardee (GASL 2015)
2016	AMC PhD Thesis Award (best PhD thesis of 2015)
2017	Young Investigator Bursary (EASL 2017)

Editorial boards:

2014-	Editorial Board <i>Journal of Clinical and Translational Research</i>
2016-	Editorial Board <i>Itch</i>

Memberships, panels and coordinating functions:

Memberships:	European Association for the Study of the Liver (EASL), International Forum for the Study of Itch (IFSI), Arbeitsgemeinschaft Pruritusforschung (AGP), Deutsche Gesellschaft für Gastroenterologie, Verdauungs- und Stoffwechselerkrankungen (DGVS), Nederlandse Vereniging voor Hepatologie (NVH), Nederlandse Vereniging voor Gastroenterologie (NVGE)
2013-	Executive Board of the Arbeitsgemeinschaft Pruritusforschung (AGP)

10 most important publications

1. **Kremer AE**, Beuers U, Oude Elferink RP, Pusch T. Pathogenesis and treatment of cholestatic pruritus. *Drugs*. 2008;68(15):2163-82.
2. **Kremer AE**, Martens JJ, Kulik W, et al. Lysophosphatidic acid is a potential mediator of cholestatic pruritus. *Gastroenterology* 2010; 139(3):1008-18.
3. **Kremer AE**, Dijk RV, Leckie P, Schaap FG, Kuiper EM, Mettang T, Reiners KS, Raap U, Buuren HR, Erpecum KJ, Davies NA, Rust C, Engert A, Jalan R, Elferink RP, Beuers U. Autotaxin is elevated in pruritus of cholestasis, but not of other origin and responds to therapeutic interventions. *Hepatology* 2012;56(4):1391-400.
4. Szegedi K, **Kremer AE**, Kezic S, Teunissen MB, Bos JD, Luiten RM, Res PC, Middelkamp-Hup MA. Increased frequencies of IL-31-producing T cells are found in skin of chronic atopic dermatitis skin. *Exp Dermatol*. 2012;21(6):431-6.
5. **Kremer AE**, Feramisco J, Reeh PW, Beuers U, Oude Elferink RP. Receptors, cells and circuits involved in pruritus of systemic disorders. *Biochim Biophys Acta*. 2014;1842(7):869-92.
6. Mettang T, **Kremer AE**. Uremic pruritus. *Kidney Int*. 2015; 87(4):685-91.
7. Beuers U, **Kremer AE**, Bolier R, Oude Elferink RP. Pruritus in cholestasis: facts and fiction. *Hepatology*. 2014;60(1):399-407.
8. **Kremer AE**, Bolier R, Dixon PH, Geenes V, Chambers J, Tolenaars D, Ris-Stalpers C, Kaess BM, Rust C, van der Post JA, Williamson C, Beuers U, Oude Elferink RP. Autotaxin activity has a high accuracy to diagnose intrahepatic cholestasis of pregnancy. *J Hepatol*. 2015;62(4):897-904.
9. Abu-Hayyeh S, Ovadia C, Lieu T, Jensen DD, Chambers J, Dixon PH, Lövgren-Sandblom A, Bolier R, Tolenaars D, **Kremer AE**, Syngelaki A, Noori M, Williams D, Marin JJ, Monte MJ, Nicolaidis KH, Beuers U, Oude-Elferink R, Seed PT, Chappell L, Marschall HU, Bunnett NW, Williamson C. Prognostic and mechanistic potential of progesterone sulfates in intrahepatic cholestasis of pregnancy and pruritus gravidarum. *Hepatology*. 2016 Apr;63(4):1287-98.
10. Keune WJ, Hausmann J, Bolier R, Tolenaars D, **Kremer A**, Heidebrecht T, Joosten RP, Sunkara M, Morris AJ, Matas-Rico E, Moolenaar WH, Oude Elferink RP, Perrakis A. Steroid binding to Autotaxin links bile salts and lysophosphatidic acid signalling. *Nat Commun*. 2016;14;7:11248.