



Curriculum Vitae

Personal information **Lukas Malte Aguirre Davila**

Work experience

- September 2019 - present
 - Assessor / Biostatistician at Paul-Ehrlich-Institute, Germany
- August 2023 - present
 - SAWP alternate member
- August 2013- August 2019
 - Biostatistician at Hannover Medical School, Germany

Education and training

- Oct 2017 - Nov 2019
 - Dr. rer. nat.
 - Hannover Medical School, Germany
- Oct 2007 - Nov 2012
 - univ. Dipl. Math.
 - Leibniz Universität Hannover, Germany

Additional information

Publications

See <https://orcid.org/0000-0001-6104-9631> for a comprehensive list of publications.

Selected publications:

Rippin, G., Sanz, H., Hoogendoorn, W.E. *et al.* Examining the Effect of Missing Data and Unmeasured Confounding on External Comparator Studies: Case Studies and Simulations. *Drug Saf* **47**, 1245–1263 (2024). <https://doi.org/10.1007/s40264-024-01467-9>

Lasch F, Guizzaro L, Aguirre Dávila L, Müller_Vahl K, Koch A. Potential impact of COVID_19 on ongoing clinical trials: a simulation study with the neurological Yale Global Tic Severity Scale based on the CANNA_TICS study. *Pharm Stat.* 2021 May;20(3):675_691. doi: 10.1002/pst.2100. Epub 2021 Feb 16. PMID: 33594741; PMCID: PMC8014297.

Aguirre Dávila L, Koch A, Lasch F (2020): Correspondence to Randomization versus Real_World Evidence, *N Engl J Med* 2020; 383:e21, doi.org/10.1056/NEJMc2020020

Aguirre Dávila L, Weber K, Bavendiek U, Bauersachs J, Wittes J, Yusuf S, Koch A (2019): Digoxin–mortality: randomized vs. observational comparison in the DIG trial. *European Heart Journal*, , ehz395, doi.org/10.1093/eurheartj/ehz395

Bavendiek U, Berliner D, Aguirre Dávila L, Schwab J, Maier L, Philipp SA, Rieht A, Westenfeld R, Piorkowski C, Weber K, Hänselmann A, Oldhafer M, Schallhorn S, von der Leyen H, Schröder C, Veltmann C, Störks S, Böhm M, Koch A, Bauersachs J, DIGIT_HF Investigators and Committees (2019): Rationale and design of the DIGIT_HF trial (DIGitoxin to Improve ouTcomes in patients with advanced chronic Heart Failure): a randomized, double_blind, placebo_controlled study. *Eur J Heart Fail.* 2019 May;21(5):676_684. doi:10.1002/ehf.1452

Pietsch M, Aguirre Dávila L, Erfurt P, Avci E, Lenarz T, Kral A (2017): Spiral Form of the Human Cochlea Results from Spatial Constraints. *Sci Rep [Internet].* 2017;7(1):7500. Available from: www.nature.com/articles/s41598_017_07795_4.

Bavendiek U, Aguirre Davila L, Koch A, Bauersachs J (2016): Assumption versus evidence: the case of digoxin in atrial fibrillation and heart failure (accepted), *European Heart Journal* (2016), DOI 10.1093/eurheartj/ehw577

Projects

FP7-HEALTH-2013-INNOVATION-1 project: Advances in Small Trials Design for Regulatory Innovation and Excellence (ASTERIX), Grant Agreement No. 603160.

DIGIT-HF: DIGitoxin to Improve ouTcomes in patients with advanced chronic Heart Failure, EudraCT: 2013-005326-38

CANNA-TICS: Randomized double-blind placebo-controlled trial to demonstrate the efficacy and safety of nabiximols in the treatment of adults with chronic tic disorders. EudraCT: 2016-000564-42

Memberships

IBS (German region)

Alternate Member of the Scientific Advice Working Party (SAWP)

Member of the Biostatistics Operational Expert Group (BSOEG)

Member of the Biostatistics Specialized Interest Area (Biostatistics SIA) of the Methodology Working Party

Other Relevant Information