

Vetenskapliga publikationer med författare anställd utgivna 2023

Avdelningen för rättsgenetik och rättskemi

1. Hernandez L, Ward LJ, Arefin S, Barany P, Wennberg L, Söderberg M, Bruno S, Cantaluppi V, Stenvinkel P, Kublickiene K. Blood-Brain Barrier Biomarkers before and after Kidney Transplantation. *Int J Mol Sci.* 2023 Apr 1;24(7):6628.
2. Söderberg C, Rodushkin L, Johansson A, Kugelberg FC. Postmortem reference concentrations of 68 elements in blood and urine. *Int J Legal Med.* 2023 May;137(3):655-669.
3. Maher GM, Ward LJ, Hernandez L, Kublickas M, Duvekot JJ, McCarthy FP, Khashan AS, Kublickiene K. Association between socioeconomic status with pregnancy and neonatal outcomes: An international multicenter cohort. *Acta Obstet Gynecol Scand.* 2023 Nov;102(11):1459-1468.
4. Mostad P, Tillmar A, Kling D. Improved computations for relationship inference using low-coverage sequencing data. *BMC Bioinformatics.* 2023 Mar 9;24(1):90.
5. Kronstrand R, Roman M, Johansson A, Wu X, Green H, Truver MT. Rilmazafone: A designer benzodiazepine pro-drug involved in fatal intoxications. *J Anal Toxicol.* 2023 Sep 15;47(7):640-643.
6. Stalberga D, Ingvarsson S, Bessa G, Maas L, Vikingsson S, Persson M, Norman C, Gréen H. Metabolism studies of 4'-Cl-CUMYL-PINACA, 4'-F-CUMYL-5F-PINACA and 4'-F-CUMYL-5F-PICA using human hepatocytes and LC-QTOF-MS analysis. *Basic Clin Pharmacol Toxicol.* 2023 Mar;132(3):263-280.
7. Ward LJ, Laucyte-Cibulskiene A, Hernandez L, Ripsweden J; GOING-FWD Collaborators; Stenvinkel P, Kublickiene K. Coronary artery calcification and aortic valve calcification in patients with kidney failure: a sex-disaggregated study. *Biol Sex Differ.* 2023 Jul 13;14(1):48.
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9. Adolfsson E, Kling D, Gunnarsson C, Jonasson J, Gréen H, Gréen A. Whole exome sequencing of FFPE samples-expanding the horizon of forensic molecular autopsies. *Int J Legal Med.* 2023 Jul;137(4):1215-1234.
10. Smith C, Vikingsson S, Kronstrand R, Swortwood MJ. Chiral separation and quantitation of methylphenidate, ethylphenidate, and ritalinic acid in blood using supercritical fluid chromatography. *Drug Test Anal.* 2023 May;15(5):579-585.
11. Staadig A, Hedman J, Tillmar A. Applying Unique Molecular Indices with an Extensive All-in-One Forensic SNP Panel for Improved Genotype Accuracy and Sensitivity. *Genes (Basel).* 2023 Mar 29;14(4):818.
12. Erlandsdotter LM, Giammarino L, Halili A, Nikesjö J, Gréen H, Odening KE, Liin SI. Long-QT mutations in KCNE1 modulate the 17 β -estradiol response of Kv7.1/KCNE1. *Sci Adv.* 2023 Mar 17;9(11):eade7109.
13. Rautio T, Vangerven D, Dahlén J, Watanabe S, Kronstrand R, Vikingsson S, Konradsson P, Wu X, Gréen H. In vitro metabolite identification of acetylbenzylfentanyl, benzoylbenzylfentanyl, 3-fluoro-methoxyacetylfentanyl, and 3-phenylpropanoylfentanyl using LC-QTOF-HRMS together with synthesized references. *Drug Test Anal.* 2023 Jul;15(7):711-729.

14. Elenstål E, Green H, Kronstrand R, Elmsjö A. Intralipid as a matrix additive for evaluating hyperlipidemic postmortem blood. *J Anal Toxicol*. 2023 Jul 22;47(6):529-534.
15. Kulhankova L, Montiel González D, Bindels E, Kling D, Kayser M, Mulugeta E. Single-cell transcriptome sequencing allows genetic separation, characterization and identification of individuals in multi-person biological mixtures. *Commun Biol*. 2023 Feb 20;6(1):201.
16. Watanabe S, Baginski S, Iwai T, Matsushita R, Takatsu M, Nakanishi T, Lindbom K, McKenzie C, Vikingsson S, Kronstrand R, Gréen H, Seto Y. Systematic In Vitro Metabolic Profiling of the OXIZID Synthetic Cannabinoids BZO-4en-POXIZID, BZO-POXIZID, 5F-BZO-POXIZID, BZO-HEXOXIZID and BZO-CHMOXIZID. *J Anal Toxicol*. 2023 May 19;47(5):455-463.
17. Truver MT, Jakobsson G, Chermà MD, Swortwood MJ, Gréen H, Kronstrand R. Urinary Pharmacokinetics of Immediate and Controlled Release Oxycodone and its Phase I and II Metabolites Using LC-MS-MS. *J Anal Toxicol*. 2023 Jan 24;46(9):1025-1031.
18. Deventer MH, Persson M, Laus A, Pottie E, Cannaert A, Tocco G, Gréen H, Stove CP. Off-target activity of NBOMes and NBOMe analogs at the μ opioid receptor. *Arch Toxicol*. 2023 May;97(5):1367-1384.
19. Blomstrand H, Olsson H, Green H, Björnsson B, Elander NO. Impact of resection margins and para-aortic lymph node metastases on recurrence patterns and prognosis in resectable pancreatic cancer - a long-term population-based cohort study. *HPB (Oxford)*. 2023 Dec;25(12):1531-1544.
20. Eriksson I, Ward LJ, Vainikka L, Sultana N, Leanderson P, Flodin U, Li W, Yuan XM. Imidacloprid Induces Lysosomal Dysfunction and Cell Death in Human Astrocytes and Fibroblasts- Environmental Implication of a Clinical Case Report. *Cells*. 2023 Dec 5;12(24):2772.
21. Baginski SR, Rautio T, Nisbet LA, Lindbom K, Wu X, Dahlén J, McKenzie C, Gréen H. The metabolic profile of the synthetic cannabinoid receptor agonist ADB-HEXINACA using human hepatocytes, LC-QTOF-MS and synthesized reference standards. *J Anal Toxicol*. 2023 Dec 12;47(9):826-834.
22. Bäckberg M, Vikingsson S, Strandberg J, Wall S, Åstrand A, Karlsson H, Persson M, Kronstrand R, Green H. Using in vitro receptor activity studies of synthetic cannabinoids to support the risk assessment of new psychoactive substances - A Swedish strategy to protect public health from harm. *Forensic Sci Int*. 2023 Jul;348:111691.
23. Favretto D, Cooper G, Andraus M, Sporkert F, Agius R, Appenzeller B, Baumgartner M, Binz T, Cirimele V, Kronstrand R, Del Mar Ramirez M, Strano-Rossi S, Uhl M, Vincenti M, Yegles M. The Society of Hair Testing consensus on general recommendations for hair testing and drugs of abuse testing in hair. *Drug Test Anal*. 2023 Sep;15(9):1042-1046.
24. Simonsen B.T, Montelius K. Personidentifikation ved anvendelse af DNA-analyser. Er eller bliver retsodontologisk identifikation overflødig? *Tandlaegebladet* 2023 Aug;127(8):690-695.

Avdelningen för rättsmedicin

1. Lundquist A, Lázár E, Han NS, Emanuelsson EB, Reitzner SM, Chapman MA, Shrikova V, Alkass K, Druid H, Petri S, Sundberg CJ, Bergmann O. FiNuTyper: Design and validation of an automated deep learning-based platform for simultaneous fiber and nucleus type analysis in human skeletal muscle. *Acta Physiol (Oxf)*. 2023;239(1):e13982. PMID:37097015
2. Wingren CJ. An evidence-based approach to forensic life-threat assessments using spleen injuries as an example. *Forensic Sci Int*. 2023 Apr;345:111614. doi: 10.1016/j.forsciint.2023.111614. PMID: 36867983
3. Kahn L, Loisel J, Pettersson G. "Nu finns nya riktlinjer för rättsmedicinska bedömningar" *Läkartidningen*, 2023;120:23105
4. Lidén M, Thiblin I, Dror I . The role of alternative hypotheses in reducing bias in forensic medical experts' decision making. *Sci Justice*. 2023 Sep;63(5):581-587. doi: 10.1016/j.scijus.2023.07.005. PMID: 37718005
5. Beer T, Bäckström B, Ottosson A, Rietz A, Michard JF, Loisel J, Sandberg O, Eriksson A. The utility of histology in assessing the cause of death in medico-legal autopsies in selected trauma deaths: Suspension-, immersion-, fire-, and traffic-related. *J Forensic Sci*. 2023 Mar;68(2):509-517. doi: 10.1111/1556-4029.15193. PMID: 36645694
6. Beer T, Eriksson A, Wingren CJ. Increased lung weight in fatal intoxications is not unique to opioid drugs. *J Forensic Sci*. 2023 Mar;68(2):518-523. doi: 10.1111/1556-4029.15187. PMID: 36572955
7. Beer T, Eriksson A, Wingren CJ. Cardiac Enlargement in a Medicolegal Autopsy Setting. *Am J Forensic Med Pathol*. 2023 Dec 1;44(4):267-272. doi: 10.1097/PAF.0000000000000883. PMID: 37819124

Avdelningen för rättspsykiatri

1. Alexiou, I., Nilsson, T., Andiné, A. & Degl' Innocenti, A. (2023) Criminal recidivism of patients in Swedish forensic psychiatry: a register-based comparison study. *International Journal of Law and Psychiatry*, 88, 101884. <https://doi.org/10.1016/j.ijlp.2023.101884>
2. Berlin, J., Wallinius, M., Nilsson, T. Hildebrand Karlén, M & Delfin, C.. Exploring the psychometric properties of the externalizing spectrum inventory-brief form in a Swedish forensic psychiatric inpatient sample. *BMC Psychiatry* 23, 184 (2023). <https://doi.org/10.1186/s12888-023-04609-y>
3. Etterlid-Hägg, V., Pauli, M., & Howner, K. (2023). A Comparative Study of Prison Inmates With and Without ADHD: Which Neuropsychological and Self-Report Measures are Most Effective in Detecting ADHD Within Correctional Services? *Journal of Attention Disorders*, 0(0). <https://doi.org/10.1177/10870547231158764>
4. Fernqvist A, Alexiou E, Zetterberg H, Howner K, Nilsson T, Andiné P. (2023) Plasma neurofilament light chain protein is not increased in forensic psychiatric populations: a pilot study. *Frontiers in Psychiatry*, 14:1176266. <https://doi.org/10.3389/fpsy.2023.1176266>
5. Green, J., Lindqvist Bagge, A-S., Laporte, N., Andiné, P., Wallinius, M., and Hildebrand Karlén, M. (2023). A latent class analysis of mental disorders, substance use, and aggressive antisocial behavior among Swedish forensic psychiatric patients. *Comprehensive Psychiatry*, 127. <https://doi.org/10.1016/j.comppsy.2023.152428>
6. Hofvander, B., Nilsson, T., Ståhlberg, O., Claesdotter, E., Moberg, P., Ahlbäck, K., and Hildebrand Karlén, M. (2023). Autism Spectrum Disorders in forensic psychiatric investigations—patterns of comorbidity and criminality. *Frontiers in Psychiatry*, 14:1168572. <https://doi.org/10.3389/fpsy.2023.1168572>
7. Hildebrand Karlén, M., Lindqvist Bagge, A-S., Berggren, U., Fahlke, C., Andiné, P., Doering, S., Lundström, S. (2023). Prevalence and heritability of alcohol use disorders in 18-year old Swedish twins. *Nordic Studies on Alcohol and Drugs*, 40(4):391-405. doi: 10.1177/14550725221090383. <https://doi.org/10.1177/14550725221090383>
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11. Ojansuu, I., Latvala, A., Kautiainen, H., Forsman, J., Tiihonen, J. and Lähteenvuo, M. (2023). General and violent recidivism of former forensic psychiatric patients in Finland. *Frontiers in Psychiatry*, 14:1157171. <https://doi.org/10.3389/fpsy.2023.1157171>
12. Pauli, M., Bermås, S., Liljeberg, J., & Howner, K. (2023). Is the Mask of Sanity Impenetrable? Using the Observations of Correctional Staff to Detect Psychopathy According to the CAPP Model. *The*

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13. Sivak L, Forsman J, Masterman T. (2023) Duration of forensic psychiatric care and subsequent criminal recidivism in individuals sentenced in Sweden between 2009 and 2019. *Frontiers in Psychiatry*, Mar 14;14:1129993. <https://doi.org/10.1016/j.jsat.2022.108899>

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15. Trägårdh, K., Hildebrand Karlén, M., Andiné, P., & Nilsson, T. (2023). Lethal and Severe Violence: Characterizing Swedish Female Offenders with and without a Severe Mental Disorder. *Frontiers in Psychiatry: Forensic Psychiatry*. <https://doi.org/10.3389%2Ffpsy.2023.1143936>