

Assessment of blood contamination in biological fluids using MALDI-TOF MS

Laks, Katrina; Kirsipuu, Tiina; Dmitrijeva, Tuuli; Salumets, Andres; **Palumaa, Peep** FEBS journal 2013 / p. 489

Assessment of blood contamination in biological fluids using MALDI-TOF MS

Laks, Katrina; Kirsipuu, Tiina; Dmitrijeva, Tuuli; Salumets, Andres; **Palumaa, Peep** The protein journal 2016 / 171-176
<https://doi.org/10.1007/s10930-016-9657-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Association between chemical mixtures and female fertility in women undergoing assisted reproduction in Sweden and Estonia

Bellavia, Andrea; Zou, Runyu; Bjorvang, Richelle D.; **Roos, Kristine**; Sjunnesson, Ylva; Hallberg, Ida; Vermeulen, Roel; Salumets, Andres; **Velthut-Meikas, Agne**; Damdimopoulou, Paulina Environmental research 2023 / art. 114447, 14 p. : ill
<https://doi.org/10.1016/j.envres.2022.114447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bovine follicular fluid and extracellular vesicles derived from follicular fluid alter the bovine oviductal epithelial cells transcriptome

Hasan, Mohammed Mehedi; Viil, Janeli; Lättekivi, Freddy; Ord, James; Reshi, Qurat Ul Ain; Jääger, Kersti; **Velthut-Meikas, Agne**; Androwska, Aneta; Jaakma, Ülle; Salumets, Andres; Fazeli, Alireza International journal of molecular sciences 2020 / art. 5365 ; 16 p. : ill <https://doi.org/10.3390/ijms21155365> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bovine sperm plasma membrane proteomics through biotinylation and subcellular enrichment

Kasvandik, Sergio; Sillaste, Gerly; **Velthut-Meikas, Agne**; Mikelsaar, Aavo-Valdur; Hallap, Triin; Padrik, Peeter; Tenson, Tanel; Jaakma, Ülle; Kõks, Sulev; Salumets, Andres Proteomics 2015 / p. 1906 - 1920 <https://doi.org/10.1002/pmic.201400297> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Changes in the transcriptome of the human endometrial Ishikawa cancer cell line induced by estrogen, progesterone, tamoxifen, and mifepristone (RU486) as detected by RNA-sequencing

Tamm-Rosenstein, Karin; **Simm, Jaak**; Suhorutšenko, Marina; Salumets, Andres; **Metsis, Madis** PLoS ONE 2013 / p. 1-13 : ill
<https://doi.org/10.1371/journal.pone.0068907> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of the vaginal micro- and mycobiome in asymptomatic reproductive-age Estonian women

Drell, Tiina; Lillsaar, Triin; Tummleht, Lea; **Simm, Jaak**; Aaspõllu, Anu; Väin, Edda; Saarma, Ivo; Salumets, Andres; Donders, Gilbert G. G.; **Metsis, Madis** PLoS ONE 2013 / p. 1-11 : ill <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0054379>
<https://doi.org/10.1371/journal.pone.0054379> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Complexity of human ovarian folliculogenesis : molecular markers of ovarian-based infertility and the impact of endocrine-disrupting chemicals = Inimese munasarja follikulogeneesi keerukus : munasarjapõhise viljatuse molekulaarsed markerid ja endokriinsüsteemi mõjutavate kemikaalide toime

Rosenberg, Kristine 2024 <https://digikogu.taltech.ee/et/Item/b5bf60bf-a458-4fee-a796-a61f00a243c9>
https://www.ester.ee/record=b5700249*est <https://doi.org/10.23658/taltech.52/2024>

Comprehensive elucidation of amino acid profile in human follicular fluid and plasma of in vitro fertilization patients

Kirsipuu, Tiina; Laks, Katrina; **Velthut-Meikas, Agne**; Levkov, Lev; Salumets, Andres; **Palumaa, Peep** Gynecological endocrinology 2015 / p. 9-17 : ill <https://doi.org/10.3109/09513590.2015.1085186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A dual colour FISH method for routine validation of sexed Bos taurus semen

Reinsalu, Olavi; **Scheler, Ott**; Mikelsaar, Ruth; Mikelsaar, Aavo-Valdur; Hallap, Triin; Jaakma, Ülle; Padrik, Peeter; Kavak, Ants; Salumets, Andres; Kurg, Ants BMC Veterinary Research 2019 / art. 104 <https://doi.org/10.1186/s12917-019-1839-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Elevated blood plasma antioxidant status is favourable for achieving IVF/ICSI pregnancy

Velthut, Agne; Zilmer, Mihkel; Zilmer, Kersti; Kaart, Tanel; Karro, Helle; **Salumets, Andres** Reproductive BioMedicine online 2013 / p. 345-352 <https://doi.org/10.1016/j.rbmo.2012.12.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Epidemiologically relevant phthalates affect human endometrial cells in vitro through cell specific gene expression changes related to the cytoskeleton and mitochondria

Visser, Nadja; Silva, Antero Vieira; Tarvainen, Ilari; Damdimopoulos, Anastasios; Davey, Eva; **Roos, Kristine**; Björvang, Richelle D.; Kallak, Theodora Kunovac; Lager, Susanne; Lavogina, Darja; Laws, Mary; Pilttonen, Terhi; Salumets, Andres; Flaws, Jodi A.; Öberg, Mattias; **Velthut-Meikas, Agne** Reproductive toxicology 2024 / art. 108660 <https://doi.org/10.1016/j.reprotox.2024.108660> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Erratum to: Assessment of Blood Contamination in Biological Fluids Using MALDI-TOF MS (Protein J, 10.1007/s10930-016-9657-y)

Laks, Katrina; Kirsipuu, Tiina; Dmitrijeva, Tuuli; Salumets, Andres; **Palumaa, Peep** Protein Journal 2016 / p. 177 - 178
<https://doi.org/10.1007/s10930-016-9660-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fetal trisomy 13 and 21 mosaicism diagnosed at aminocentesis : a case report

Velthut, Agne; Peters, Maire; **Roovere, Tiit**; Kilusk, Gerli; Horelli-Kuitunen, Nina; Šois, Marek; Salumets, Andres Prenatal diagnosis 2009 / 10, p. 995-997 <https://pubmed.ncbi.nlm.nih.gov/19565618/>

Genes regulated by estrogen and progesterone in human endometrium = Östradioli ja progesterooni reguleeritud geenid inimese endomeetriumis

Rosenstein, Karin 2016 https://www.ester.ee/record=b4567260*est

Genes targeted by the estrogen and progesterone receptors in the human endometrial cell lines HEC1A and RL95-2

Tamm, Karin; Rõõm, Miia; Salumets, Andres; **Metsis, Madis** Reproductive biology and endocrinology 2009 / 12 p. : ill <https://pubmed.ncbi.nlm.nih.gov/20034404/>

Hsa-mir-548 family expression in human reproductive tissues

Rooda, Ilmatar; Kaselt, Birgitta; Liivrand, Maria; Smolander, Olli-Pekka; Salumets, Andres; **Velthut-Meikas, Agne** BMC Genomic Data 2021 / Art. 40 <https://doi.org/10.1186/s12863-021-00997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Intercellular signalling in the human pre-ovulatory follicle : microRNA expression in granulosa cells and detection in the follicular fluid = Rakkudevaheline kommunikatsioon inimese munasarja preovulatoorses folliikulis : mikroRNA-de ekspressioon granulosa rakkudes ja follikulaarvedelikus

Rooda, Ilmatar 2021 https://www.ester.ee/record=b5470472*est <https://digikogu.taltech.ee/et/Item/d09b2c05-d078-4135-8883-450d9ff3215e> <https://doi.org/10.23658/taltech.56/2021>

Investigating the impact of vitrification on bovine ovarian tissue morphology, follicle survival, and transcriptomic signature

Deligiannis, Spyridon P.; Kask, Keiu; Modhukur, Vijayachitra; Boskovic, Nina; Ivask, Marilin; Jaakma, Ülle; Damdimopoulou, Pauliina; Tuuri, Timo; Velthut-Meikas, Agne; Salumets, Andres Journal of Assisted Reproduction and Genetics 2024 / p. 1035-1055 <https://doi.org/10.1007/s10815-024-03038-4>

MicroRNAs expressed from FSHR and aromatase genes target important ovarian functions [Online resource]

Rooda, Ilmatar; Kaselt, Birgitta; Salumets, Andres; **Velthut-Meikas, Agne** bioRxiv 2019 / 38 p. : ill <https://doi.org/10.1101/597054>

Ovarian follicle as the environment of oocyte maturation : the role of granulosa cells and follicular fluid at pre-ovulatory development = Munasarja folliikul kui munaraku küpsemise keskkond : granulosa rakkude ja follikulaarvedeliku roll ovulatsioonieelses arengus

Velthut-Meikas, Agne 2014

Oviduct as a sensor of embryo quality: deciphering the extracellular vesicle (EV)-mediated embryo-maternal dialogue

Dissanayake, Keerthi; Nõmm, Monika; Lättekivi, Freddy; Ord, James; Ressaissi, Yosra; Godakumara, Kasun; Viil, Janeli; Jääger, Kersti; **Velthut-Meikas, Agne**; Salumets, Andres Journal of molecular medicine 2021 / p. 685–697 : ill <https://doi.org/10.1007/s00109-021-02042-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The profile of steroid hormones in human fetal and adult ovaries

Vazakidou, Paraskevi; Evangelista, Sara; Li, Tianyi; Lecante, Laetitia L.; **Rosenberg, Kristine**; Koekkoek, Jacco; Salumets, Andres; **Velthut-Meikas, Agne**; Damdimopoulou, Pauliina; Mazaud-Guittot, Severine Reproductive biology and endocrinology 2024 / art. 60 <https://doi.org/10.1186/s12958-024-01233-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Research resource : small RNA-seq of human granulosa cells reveals miRNAs in FSHR and aromatase genes

Velthut, Agne; **Simm, Jaak**; Tuuri, Timo; Tapanainen, Juha S.; **Metsis, Madis**; Salumets, Andres Molecular endocrinology 2013 / p. 1128-1141 : ill <https://doi.org/10.1210/me.2013-1058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Safeguarding female reproductive health against endocrine disrupting chemicals-The FREIA project

Duursen, Majorie B.M. van; Boberg, Julie; Christiansen, Sofie; Jääger, Kersti; Salumets, Andres; **Velthut-Meikas, Agne** International journal of molecular sciences 2020 / art. 3215 <https://doi.org/10.3390/ijms21093215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Single-cell RNA-seq analysis and cell-cluster deconvolution of the human preovulatory follicular fluid cells provide insights into the pathophysiology of ovarian hyporesponse

Roos, Kristine; Rooda, Ilmatar; Keif, Robyn-Stefany; Liivrand, Maria; Smolander, Olli-Pekka; Salumets, Andres; **Velthut-Meikas, Agne** Frontiers in Endocrinology 2022 / art. 945347 <https://doi.org/10.3389/fendo.2022.945347> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spermatozoa induce transcriptomic alterations in bovine oviductal epithelial cells prior to initial contact

Reshi, Qurat Ul Ain; Viil, Janeli; Ord, James; Lättekivi, Freddy; Godakumara, Kasun; Hasan, Mohammed Mehedi; Nõmm, Monika;

Jääger, Kersti; **Velthut-Meikas, Agne**; Jaakma, Ülle; Salumets, Andres; Fazeli, Alireza Journal of cell communication and signaling 2020 / p. 439–451 <https://doi.org/10.1007/s12079-020-00575-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Steroidhormoonide sihtmärkgeenid endomeetriumi rakuliinides

Tamm, Karin; Rõõm, Miia; Salumets, Andres; **Metsis, Madis** Eesti Arst 2008 / 9, lk. 679 https://artiklid.elnet.ee/record=b1065771*est

The influence of different maternal microbial communities on the development of infant gut and oral microbiota

Drell, Tiina; Štšepetova, Jelena; **Simm, Jaak**; Rull, Kristiina; Aleksejeva, Aira; Antson, Anne; Tillmann, Vallo; Metsis, Madis; Sepp, Epp; Salumets, Andres; Mändar, Reet Scientific reports 2017 / art. 9940, p. 1-9 : ill <https://doi.org/10.1038/s41598-017-09278-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The potential role of dioxin analogues in prostate cancer and male infertility - preliminary study using LNCaP cell line

Suhorutšenko, Marina; Tamm-Rosenstein, Karin; **Simm, Jaak**; Salumets, Andres; **Metsis, Madis** Human reproduction 2013 / p. i310-i311

Trophoblast derived extracellular vesicles specifically alter the transcriptome of endometrial cells and may constitute a critical component of embryo-maternal communication

Godakumara, Kasun; Ord, James; Lättekivi, Freddy; Dissanayake, Keerthie; Viil, Janeli; Boggavarapu, Nageswara Rao; Faridani, Omid R.; Jääger, Kersti; **Velthut-Meikas, Agne**; Jaakma, Ülle; Salumets, Andres; Fazeli, Alireza Reproductive biology and endocrinology 2021 / art. 115 <https://doi.org/10.1186/s12958-021-00801-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A two-cohort RNA-seq study reveals changes in endometrial and blood mirnome in fertile and infertile women

Rekker, Kadri; Altmäe, Signe; Suhorutshenko, Marina; Peters, Maire; Martinez-Blanch, Juan F.; Codoñer, Francisco M.; Vilella, Felipe; Simón, Carlos; Salumets, Andres; **Velthut-Meikas, Agne** Genes 2018 / Article nr. 574 <https://doi.org/10.3390/genes9120574> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uterine fluid proteins for minimally invasive assessment of endometrial receptivity

Kasvandik, Sergo; Saarma, Merilin; Kaart, Tanel; **Rooda, Ilmatar**; **Velthut-Meikas, Agne**; Ehrenberg, Aivar; Gemzell, Kristina; Lalitkumar, Parameswaran Grace; Salumets, Andres; Peters, Maire The journal of clinical endocrinology & metabolism 2020 / p. 219-230 <https://doi.org/10.1210/clinem/dg019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)