

### **Anti-osteoclastic effects of C-glucosidic ellagitannins mediated by actin perturbation**

Georgess, Dan; **Spuul, Pirjo**; Le Clainche, Christophe European journal of cell biology 2018 / p. 533–545 : ill

<https://doi.org/10.1016/j.ejcb.2018.09.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **CagA and VacA genotypes of Helicobacter pylori strains in Estonia and their resistance to antibiotics**

**Roots, Kaisa; Truu, Liisa**; Suurmaa, Külli; Rüttnann, Anna Maria; **Spuul, Pirjo** EHMSG - 35th International Workshop on Helicobacter & Microbiota in Inflammation & Cancer : accepted abstracts 2022 / art. e735, p. 34

[https://doi.org/10.26355/mhd\\_20229\\_735](https://doi.org/10.26355/mhd_20229_735)

### **Cell Migration in Microfluidic Devices : Invadosomes Formation in Confined Environments**

Chi, Pei-Yin; **Spuul, Pirjo**; Tseng, Fan-Gang Cell migrations : causes and functions 2019 / p. 79-103 [https://doi.org/10.1007/978-3-030-17593-1\\_6](https://doi.org/10.1007/978-3-030-17593-1_6) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Chronic infection with gastric helicobacters induces hepatic lesions in mice**

Seeneevassen, Lomella; Sifré, Elodie; **Khalid, Sadia**; Managau, Mathilde; Mégraud, Francis; **Ménard, Armelle**; Dubus, Pierre;

**Spuul, Pirjo**; Varon, Christine Helicobacter 2025 / art. e70032 <https://doi.org/10.1111/hel.70032>

### **Comparative analysis of Helicobacter pylori strains isolated from Estonia in 2020-2022**

**Truu, Laura; Roots, Kaisa**; Suurmaa, K.; Rüttnann, A.; **Sarand, Inga; Spuul, Pirjo** EHMSG – 36th International Workshop on Helicobacter & Microbiota in Inflammation & Cancer : abstract book 2023 / p. 131 [https://doi.org/10.26355/mhd\\_20239\\_857](https://doi.org/10.26355/mhd_20239_857)

### **Digikaksikute ajastu tervishoius**

**Spuul, Pirjo** Trialoog 2025 <https://trialoog.taltech.ee/digikaksikute-ajastu-tervishoius/> [https://haldus.taltech.ee/sites/default/files/2025-06/MM\\_2025-2%20uus.pdf?\\_ga=2.232118294.829146956.1760013669-1142243587.1753946719&\\_gl=1\\*rrv05g\\*\\_gcl\\_au\\*MTEzMTMxNTYuMTc1NDAYNjYzMw..](https://haldus.taltech.ee/sites/default/files/2025-06/MM_2025-2%20uus.pdf?_ga=2.232118294.829146956.1760013669-1142243587.1753946719&_gl=1*rrv05g*_gcl_au*MTEzMTMxNTYuMTc1NDAYNjYzMw..)

### **Helicobacter pylori and the possible probiotic Lactobacillus salivarius co-exist in Estonian gastric biopsy sample**

**Roots, Kaisa; Kasak, Lagle; Suurmaa, Külli; Sarand, Inga; Spuul, Pirjo** Helicobacter 2020 <https://www.x-mol.com/paper/1304864948814581760> <https://onlinelibrary.wiley.com/journal/15235378?tabActivePane=> <https://doi.org/10.1111/hel.12745>

### **Helicobacter pylori induces alterations in liver cell signaling**

**Roots, Kaisa; Rukavitsõna, Elina; Smirnova, Olga; Kasak, L.**; Varon, E.; Genot, P.; **Spuul, Pirjo** Helicobacter The Year in Helicobacter 2019 / e12647, p. 58 <https://doi.org/10.1111/hel.12647>

### **Helicobacter pylori-induced inflammatory response mediates invadosome formation and emergence of hybrid epithelial/mesenchymal phenotype in infected hepatocytes**

**Smirnova, Olga; Roots, Kaisa; Rukavitsõna, Elina; Kasak, Lagle; Karniol, Karmen**; Varon, C.; Genot, Elisabeth; **Spuul, Pirjo**

Helicobacter 2020 <https://doi.org/10.1111/hel.12745>

### **Helicobacters and cancer, not only gastric cancer?**

Varon, Christine; Azzi-Martin, Lamia; **Khalid, Sadia; Spuul, Pirjo** Seminars in Cancer Biology 2022 / p. 1138-1154

<https://doi.org/10.1016/j.semcancer.2021.08.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Helikobakter – mustade käte haigus. Teadur: kui see on peres, haigestuvad tõenäoliselt ka lapsed**

**Adamberg, Kaarel; Spuul, Pirjo** tervispluss.delfi.ee 2025 <https://tervispluss.delfi.ee/artikkel/120387587/kuula-helikobakter-mustade-kate-haigus-teadur-kui-see-on-peres-haigestuvad-toenaoliselt-ka-lapsed>

### **Labster: platvorm, mis annab võimaluse teha vigu ohutult ning saada praktiline kogemus**

digi.geenius.ee 2023 [Labster: platvorm, mis annab võimaluse teha vigu ohutult ning saada praktiline kogemus](https://digi.geenius.ee/labster-platvorm-mis-annab-voimaluse-teha-vigu-ohutult-ning-saada-praktiline-kogemus)

### **„Ma ei suutnud kõnida, terve keha valutas.“ Eestis väga levinud vähki tekitav bakter teeb organismile palju liiga**

Toome, Heidi delfi.ee 2025 <https://epl.delfi.ee/artikkel/120395475/ma-ei-suutnud-konida-terve-keha-valutas-eestis-vasa-levinud-vahki-tekitav-bakter-teeb-organismile-palju-liiga>

### **Machine learning pattern recognition and differential network analysis of gastric microbiome in the presence of proton pump inhibitor treatment or Helicobacter pylori infection [Online resource]**

Ciucci, Sara; Duran, Claudio; Palladini, Alessandra; **Spuul, Pirjo** bioRxiv 2020 / 70 p. : ill <https://doi.org/10.1101/2020.03.24.005587>

### **Mechanisms behind Helicobacter pylori-induced invadosomes in hepatocytes**

**Smirnova, Olga; Rukavitsõna, Elina; Kasak, K. (?)**; **Sadul, Kersti; Spuul, Pirjo** Helicobacter Special Issue: XXXIst International Workshop on Helicobacter & Microbiota in Inflammation & Cancer, 14–15 September 2018, Kaunas, Lithuania 2018 / e12525, p. 55 <https://doi.org/10.1111/hel.12525>

### **Nonlinear machine learning pattern recognition and bacteria-metabolite multilayer network analysis of perturbed gastric microbiome**

Duran, Claudio; Ciucci, Sara; Palladini, Alessandra; Ijaz, Umer Z.; Zippo, Antonio G.; Sterbini, Francesco Paroni; Masucci, Luca;

Cammarota, Giovanni; Ianiro, Gianluca; **Spuul, Pirjo**; Schroeder, Michael Nature communications 2021 / art. 1926, 22 p  
<https://doi.org/10.1038/s41467-021-22135-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Novel Ligilactobacillus salivarius strains as potential probiotics in Helicobacter pylori eradication**

**Roots, Kaisa; Ventsel, Lilian;** Kanistik, I.; **Sarand, Inga; Spuul, Pirjo** EHMSG – 37th International Workshop on Helicobacter & Microbiota in Inflammation & Cancer, Porto, Portugal, September 12-14, 2024 : abstract book 2024 / p. 113  
[https://doi.org/10.26355/mhd\\_20249\\_1023](https://doi.org/10.26355/mhd_20249_1023)

### **The origin and pathogenicity of Helicobacter pylori strains in Estonia**

**Roots, Kaisa; Truu, Liisa;** Suurmaa, Külliki; **Sarand, Inga; Spuul, Pirjo** EHMSG – 38th International Workshop on Helicobacter & Microbiota Study Group, Rome, Italy, sept. 11-13, 2025 : abstract book 2025 / p. 67 <https://www.microbiotajournal.com/wp-content/uploads/sites/7/2025/09/Book-Abstracts-2025-1.pdf> [http://doi.org/10.26355/mhd\\_20259\\_1347](http://doi.org/10.26355/mhd_20259_1347)

### **Podosomes in endothelial cell - microenvironment interactions**

Alonso, Florian; **Spuul, Pirjo**; Genot, Elisabeth Current opinion in hematology 2020 / p. 197-205  
<https://doi.org/10.1097/MOH.0000000000000575> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Regulation of podosome formation in aortic endothelial cells vessels by physiological extracellular cues**

Alonso, Florian; **Spuul, Pirjo**; Decossas, Marion European journal of cell biology 2020 / art. 151084, 13 p. : ill  
<https://doi.org/10.1016/j.ejcb.2020.151084>

### **Samm lähemale jätkusuutlikkusele : väljakutse tõi TalTechi instituudile kopsaka energiasäästu**

**Sarv, Mari** Öö digi.geenius.ee 2023 [Samm lähemale jätkusuutlikkusele: väljakutse tõi TalTechi instituudile kopsaka energiasäästu](#)

### **Strain specific pathological changes in the liver of mice infected with Helicobacter pylori (H. pylori)**

**Khalid, Sadia;** Seeneevassen, L.; Sifre, E.; Varon, C.; **Spuul, Pirjo** Helicobacter 2020 / p. 87–88 <https://doi.org/10.1111/hel.12745>  
<https://onlinelibrary.wiley.com/journal/15235378?tabActivePane=>

### **Teadlane tuberkuloosipäevast : on aeg see haigus seljatada**

**Spuul, Pirjo** heureka.postimees.ee 2019 / fot [Teadlane tuberkuloosipäevast: on aeg see haigus seljatada](#)

### **Teadusjuhtide uus põlvkond**

**Spuul, Pirjo** Sirp 2024 / lk. 23-25 : fot <https://www.sirp.ee/s1-artiklid/c21-teadus/teadusjuhtide-uus-polvkond/>

### **TTÜ aasta noorteadlane 2017 Pirjo Spuul : tehnikaülikooli teeb eriliseks tema avatus ja innovaatilisus**

**Spuul, Pirjo** Mente et Manu 2018 / lk. 31-32 : fot [https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/http://www.ester.ee/record=b1242496\\*est](https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/http://www.ester.ee/record=b1242496*est) [https://artiklid.elnet.ee/record=b2836032\\*est](https://artiklid.elnet.ee/record=b2836032*est)

### **Täna on teadusnaistepäev: sõna võtavad loodusteadlased**

**Spuul, Pirjo; Velthut-Meikas, Agne; Vaher, Merike** postimees.ee 2023 [Täna on teadusnaistepäev: sõna võtavad loodusteadlased](#)

### **Unveiling the impact of chronic gastric Helicobacter infection on mouse hepatic health**

**Khalid, Sadia;** Seeneevassen, L.; Sifre, E.; Varon, C.; **Spuul, Pirjo** EHMSG – 37th International Workshop on Helicobacter & Microbiota in Inflammation & Cancer, Porto, Portugal, September 12-14, 2024 : abstract book 2024 / p. 116  
[https://doi.org/10.26355/mhd\\_20249\\_1023](https://doi.org/10.26355/mhd_20249_1023)

### **Uued inimesed ja positsioonid**

**Pappel, Ingrid; Ruus, Aime; Stein, Mari-Klara; Tüür, Danel; Spuul, Pirjo** Mente et Manu 2022 / lk. 37-39 : portr  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Variations on the theme of podosomes : A matter of context**

Alonso, Florian; **Spuul, Pirjo**; Daubon, Thomas Biochimica et biophysica acta : molecular cell research 2019 / p. 545-553 : ill  
<https://doi.org/10.1016/j.bbamcr.2018.12.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **VEGF-A stimulates podosome-mediated collagen-IV proteolysis in microvascular endothelial cells**

Daubon, Thomas; **Spuul, Pirjo**; Alonso, Florian; Fremaux, Isabelle; Genot, Elisabeth Journal of cell science 2016 / p. 2586-2598 : ill  
<https://doi.org/10.1242/jcs.186585> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **VEGF-A/Notch-induced podosomes proteolyse basement membrane collagen-IV during retinal sprouting angiogenesis**

**Spuul, Pirjo**; Daubon, Thomas; Pitter, Bettina Cell reports 2016 / p. 484-500 : ill <http://dx.doi.org/10.1016/j.celrep.2016.09.016>