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Molekulare und Experimentelle Chirurgie

MOLEKULARE UND EXPERIMENTELLE CHIRURGIE

1. LEITUNG

Prof. Dr. rer. nat. U. Kahlert

Prof. Dr. med. Roland S. Croner, MA, FACS

2. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Dölling, Maximilian; Klös, Michael; Pachmann, Jonas; Stockheim, Jessica; Rahimli, Mirhasan; Al-Madhi, Sara; Kahlert, Ulf D.; Perrakis, Aristotelis; Herrmann, Martin; Croner, Roland; Andrić, Mihailo

Complicated appendicitis - value of inflammatory markers based on EAES 2015 guidelines

Surgical endoscopy and other interventional techniques - New York : Springer-Verlag, Bd. 39 (2025), Heft 10, S. 6586-6596

[Imp.fact.: 2.7]

Freudenstein, Henry; Strecker, Marco; Gylstorff, Severin; Shi, Wenjie; Boettcher, Martin; Medunjanin, Senad; Catapano, Carlo; Siba, Christian; Wex, Cora Barbara Anette; Wartmann, Thomas; Sanin, Ahmed Y.; Franz, Mareike; Arend, Jörg; Mougiakakos, Dimitrios; Pech, Maciej; Croner, Roland; Kahlert, Ulf D.; Stelter, Frederike

ZEB1 stratifies the response to Sorafenib and Mdivi-1 combination therapy in hepatocellular carcinoma

Scientific reports - [London]: Springer Nature, Bd. 15 (2025), Artikel 30451, insges. 12 S.

[Imp.fact.: 3.9]

Huang, Huafang; Wang, Guilin; Zeng, Dongyun; Torres-de la Roche, Luz Angela; Zhuo, Rui; Wilde, de Rudy Leon; Wang, Wanwan; Kahlert, Ulf D.; Shi, Wenjie

Ultrasound genomics related mitochondrial gene signature for prognosis and neoadjuvant chemotherapy resistance in triple negative breast cancer

Oncology research - New York, NY : Cognizant Communication Corporation, Bd. 33 (2025), Heft 3, S. 631-640

[Imp.fact.: 4.1]

Kaul, Marilyn; Vanselow, Rolf Lennart; Sanin, Ahmed Y.; Kahlert, Ulf D.; Janiak, Christoph

Solvent-dependent stabilization of gold nanoparticles - a comparative study on polymers and the influence of their molecular weight in water and ethanol

Chemistry - Basel : MDPI, Bd. 7 (2025), Heft 5, Artikel 159, insges. 20 S.

[Imp.fact.: 2.4]

Kaya, Tamer A.; Stein, Klaus-Peter; Schaufler, Anna; Neyazi, Belal; Rashidi, Ali; Kahlert, Ulf D.; Mawrin, Christian; Sandalcioğlu, I. Erol; Dumitru, Claudia-Alexandra

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[Imp.fact.: 3.1]

Ke, Xiaohong; Li, Kailai; Jiang, Aimin; Zhang, Yasi; Wang, Qi; Li, Zhengrui; Zhang, Jian; Hajd, András; Shi, Wenjie; Kahlert, Ulf D.; Lin, Anqi; Zhang, Pengpeng; Luo, Peng

Cloud-based GWAS platform - an innovative solution for efficient acquisition and analysis of genomic data

Med research - Weinheim : Wiley-VCH GmbH, Bd. 1 (2025), Heft 3, S. 397-411

Li, Xianqiao; Wang, Shukai; Kahlert, Ulf D.; Zhou, Tianchi; Xu, Kexin; Shi, Wenjie; Yan, Xiaofei

Artificial intelligence-driven ultrasound identifies rare triphasic colon cancer and unlocks candidate genomic mechanisms via ultrasound genomic techniques

Cancer biotherapy and radiopharmaceuticals - Larchmont, NY : Liebert, Bd. 40 (2025) ;

[Ahead of print]

[Imp.fact.: 2.1]

Liedtke, Victoria; Wartmann, Thomas; Shi, Wenjie; Kahlert, Ulf D.

Linking LEDGF/p75 overexpression with microsatellite instability and KRAS mutations - a small-scale study in colorectal cancer

Cancer control - Thousand Oaks, CA : Sage Publications, Bd. 32 (2025), insges. 9 S.

[Imp.fact.: 2.6]

Nagelschmitz, Julia; Wartmann, Thomas; Gylstorff, Severin; Sanin, Ahmed; Otto, Ronny; Arend, Jörg; Franz, Mareike; Rahimli, Mirhasan; Gumbs, Andrew A.; Kahlert, Ulf D.; Stelter, Frederike; Croner, Roland

Robotic liver surgery - enhancing immune competence and minimizing postsurgical inflammation

Surgical endoscopy and other interventional techniques - New York : Springer-Verlag, Bd. 39 (2025), Heft 12, S. 8336-8348

[Imp.fact.: 2.7]

Niu, Xiaowang; Li, Guangzhao; Kahlert, Ulf D.; Ding, Leili; Zheng, Jing; Li, Chen; Shi, Wenjie; Huang, Lifeng; Yu, Zhengquan

Integrative disulfidptosis-based risk assessment for prognostic stratification and immune profiling in glioma

Journal of cellular and molecular medicine - Hoboken, NJ : Wiley-Blackwell, Bd. 29 (2025), Heft 4, Artikel e70429, insges. 15 S.

[Imp.fact.: 4.2]

Peng, Zhiyong; Zhang, Yue; Zhou, Tianchi; Shi, Wenjie; Wang, Ya; Pech, Maciej; Rose, Georg; Dölling, Maximilian; Hippe, Katrin; Croner, Roland; Zhu, Yi; Kahlert, Ulf D.

Vision transformer network discovers the prognostic value of pancreatic cancer pathology sections via interpretable risk scores

Discover oncology - [New York]: Springer, Bd. 16 (2025), Artikel 1679, insges. 11 S.

[Imp.fact.: 2.9]

Poonaki, Elham; Badlah, Sedra; Kahlert, Ulf D.; Meuth, Sven; Stummer, Walter; Gorji, Ali

Impact of 5-ALA-induced PPIX accumulation on neural stem cell behavior

Brain research bulletin - Amsterdam [u.a.]: Elsevier Science, Bd. 229 (2025), Artikel 11480, insges. 6 S.

[Imp.fact.: 3.7]

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Cells - Basel : MDPI, Bd. 14 (2025), Heft 20, Artikel 1587, insges. 17 S.

[Imp.fact.: 5.2]

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Cancer medicine - Hoboken, NJ : Wiley, Bd. 14 (2025), Heft 23, Artikel e71387, insges. 11 S.

[Imp.fact.: 3.1]

Rahimli, Mirhasan; Gumbs, Andrew A.; Perrakis, Aristotelis; Al-Madhi, Sara; Dölling, Maximilian; Stelter, Frederike; Lorenz, Eric; Andrić, Mihailo; Franz, Mareike; Arend, Jörg; Croner, Roland

Learning curve analysis of 100 consecutive robotic liver resections

Surgical endoscopy and other interventional techniques - New York : Springer-Verlag, Bd. 39 (2025), Heft 4, S. 2512-2522

[Imp.fact.: 2.7]

Sanin, Ahmed Y.; Prier, Marcus; Wartmann, Thomas; Siba, Christian; Hippe, Katrin; Pech, Maciej; Croner, Roland; Speck, Oliver; Kahlert, Ulf D.; Rose, Georg

Evaluating T1/T2 relaxometry with OCRA tabletop MRI system in fresh clinical samples - preliminary insights into ZEB1-associated tissue characteristics

Technology in cancer research & treatment - Thousand Oaks, CA : Sage Publishing, Bd. 24 (2025), Artikel 15330338251366371, insges. 5 S.

[Imp.fact.: 2.8]

Stockheim, Jessica; Andrić, Mihailo; Dölling, Maximilian; Perrakis, Aristotelis; Croner, Roland

Prediction of basic robotic competence for robotic visceral operations using the O-Score within the "Robotic Curriculum for Young Surgeons" (RoCS)

Journal of surgical education - New York, NY : Elsevier, Bd. 82 (2025), Heft 5, Artikel 103500, insges. 9 S.

[Imp.fact.: 2.1]

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Integration of robotics as standard surgical procedure during residency training for visceral surgery using a balanced scorecard (BSC)

Journal of robotic surgery - London : Springer, Bd. 19 (2025), Artikel 656, insges. 12 S.

[Imp.fact.: 3.0]

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Patient-specific pharmacogenomics demonstrates xCT as predictive therapeutic target in colon cancer with possible implications in tumor connectivity

Molecular oncology - Hoboken, NJ : John Wiley & Sons, Inc., Bd. 19 (2025), insges. 19 S. ;

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[Imp.fact.: 4.5]

Wainer-Katsir, Kerem; Haber, Adi; Fishman, Hila; Ding, Lianghao; Story, Michael D.; Du, Renfei; Kahlert, Ulf D.; Mannarino, Laura; Mirimao, Federica; Lupi, Monica; D'Incalci, Maurizio; Lavy-Shahaf, Gitit; Ene, Hila; Frechtel-Gerzi, Roni; Drawshy, Zeina; Martinez-Conde, Antonia; Dor-On, Eyal; Porat, Yaara; Giladi, Moshe; Weinberg, Uri; Palti, Yoram

The transcriptomic fingerprint of cancer response to Tumor Treating Fields (TTFields)

Cell death discovery - London : Nature Publishing Group, Bd. 11 (2025), Artikel 319, insges. 15 S.

[Imp.fact.: 7.0]

Xu, Jianying; Shi, Wenjie; Zhu, Yi; Zhang, Chao; Nagelschmitz, Julia; Dölling, Maximilian; Al-Madhi, Sara; Mahajan, Ujwal Mukund; Pech, Maciej; Rose, Georg; Croner, Roland; Zheng, Guoliang; Kahlert, Christoph; Kahlert, Ulf D.

Human multiethnic radiogenomics reveals low-abundancy microRNA signature in plasma-derived extracellular vesicles for early diagnosis and molecular subtyping of pancreatic cancer

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Yan, Bingchao; Chen, Qian; Wang, Dacheng; Ding, Leili; Qu, Jingfeng; Du, Renfei; Shi, Wenjie; Kahlert, Ulf D.; Yu, Zhengquan

Artificial intelligence-based radiogenomics reveals the potential immunoregulatory role of COL22A1 in glioma and its induced autoimmune encephalitis

Frontiers in immunology - Lausanne : Frontiers Media, Bd. 16 (2025), Artikel 1562070, insges. 11 S.

[Imp.fact.: 5.9]

Zhang, Huan; Winter, Paul; Wartmann, Thomas; Simioni, Luca; Al-Madhi, Sara; Perrakis, Aristotelis; Croner, Roland; Shi, Wenjie; Yu, Quan; Kahlert, Ulf D.

Unlocking clinical insights - lymphocyte-specific protein tyrosine kinase candidates as promising therapeutic targets for pancreatic cancer risk stratification

Cancer biotherapy and radiopharmaceuticals - Larchmont, NY : Liebert, Bd. 40 (2025), Heft 1, S. 1-10

[Imp.fact.: 2.1]

BEGUTACHTETE BUCHBEITRÄGE

Klix, Karl Friedrich; Bigalk, Katharina; Maune, Holger; König, Friedrich; Kozielski, Kristen; Rose, Georg; Kahlert, Ulf D.; Hubmann, Max Joris

Development of a demonstrator for the excitation of magneto-electric nano particles in biomedical treatments involving neural connectivity

2025 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) , 2025 - Piscataway, NJ : IEEE ; Ardenkjær-Larsen, Jan Henrik, insges. 6 S.

ABSTRACTS

Kahlert, Ulf D.; Wartmann, Thomas; Dölling, Maximilian; Al-Madhi, Sara; Zhou, Tianchi; Huo, Shuran; Zhu, Yi; Pech, Maciej; Kahlert, Christoph; Croner, Roland; Shi, Wenjie

Multicenter identification and validation of a low-abundance serum miRNA panel for pancreatic cancer detection with cross-disease diagnostic potential

Annals of oncology - Amsterdam [u.a.]: Elsevier, Bd. 36 (2025), Heft Supplement 2, S. S1244-S1245, Artikel 2246P

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