

Prof. MURAT MERT ERKAN

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International Researcher IDs

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Education Information

Post Doctorate, Technische Universitaet München, Germany 2007 - 2010

Doctorate, Universitaed Heidelberg, Germany 2003 - 2007

Post Doctorate, Universitaed Heidelberg, Germany 2003 - 2007

Expertise In Medicine, Istanbul University, Istanbul Medical Faculty, Cerrahi Tıp Bilimleri Bölümü, Turkey 1995 - 2000

Undergraduate, Istanbul University, Istanbul Medical Faculty, Turkey 1991 - 1995

Foreign Languages

German, C2 Mastery

English, C2 Mastery

Certificates, Courses and Trainings

Health&Medicine, Online assessment for surgeons, residents, and fellows on the da Vinci Xi surgical system, Intuitive, 2024

Health&Medicine, Endoscopy Training, Surgical Endoscopy Unit. Department of Surgery, Istanbul Faculty of Medicine, University of Istanbul, 2002

Dissertations

Doctorate, The influence of tumor modulated microenvironment on pancreatic cancer behavior, Universitaed Heidelberg, Dekanat der Medizinischen Fakultät Heidelberg, 2007

Expertise In Medicine, İyatrojenik biliyer yaralanma tanısıyla tedavi edilen hastaların retrospektif değeriendirilmesi, Istanbul University, Istanbul Medical Faculty, Cerrahi Tıp Bilimleri Bölümü, 2001

Research Areas

Surgery Medicine Sciences, General Surgery

Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Surgical Sciences, 2023 - Continues

Professor, Acibadem Mehmet Ali Aydinlar University, Vocational School Of Health Services, Operating Room Services, 2021 - 2023

Professor, Koc University, School Of Medicine, Department Of Surgical Medical Sciences, 2017 - 2021

Associate Professor, Koc University, School Of Medicine, 2014 - 2017

Researcher, Technische Universitaet München, Klinikum r.d.Isar, Technische Universität München, Department of Surgery, 2007 - 2010

Researcher, Universitaed Heidelberg, Department of Surgery, European Pancreatic Center, 2003 - 2007

Expert PhD, Istanbul University, Istanbul Medical Faculty, Cerrahi Tıp Bilimleri Bölümü, 1995 - 2000

Courses

Pankreas Kanseri, Undergraduate, 2023 - 2024

Tumour Microenvironment of Solid Tumours 2, Doctorate, 2019 - 2020

Tumour Microenvironment, Doctorate, 2019 - 2020

Advising Theses

Erkan M. M., Analysis of optoacoustic efficiency and study of heterogeneous solid tumors with mesoscopic multispectral optoacoustic tomography, Expertise In Medicine, J.Salichs(Student), 2016

Erkan M. M., Comparative analysis of pancreatic cancer stroma in humans and in genetically engineered mouse models, Expertise In Medicine, L.Wanner(Student), 2016

Erkan M. M., The role of periostin in pancreatic carcinogenesis and metastatic spread, Doctorate, S.Hausmann(Student), 2015

Erkan M. M., Silencing of GRP94 expression promotes apoptosis in pancreatic cancer cells, Doctorate, Z.Pan(Student), 2014

Erkan M. M., The role of the extracellular matrix protein periostin in pancreatic cancer initiation, Doctorate, A.Federlein(Student), 2014

Erkan M. M., Relevanz des Kinesin Motor Proteins Kif20a im Pankreaskarzinom, Expertise In Medicine, D.Stangel(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Standardizing definitions and terminology of left-sided pancreatic resections through an international Delphi consensus.**
van Ramshorst T. M. E., van Hilst J., Boggi U., Dokmak S., Edwin B., Keck T., Khatkov I., Balduzzi A., Pulvirenti A., Ahmad J., et al.
The British journal of surgery, vol.111, no.4, 2024 (SCI-Expanded)
- II. **International Hepato-Pancreato-Billiary Association (IHPBA) registry study on COVID-19 infections in HPB surgery patients**
Badrudin D., Lesurtel M., Shrikhande S., Gallagher T., Heinrich S., Warner S., Chaudhari V., Koo D., Anantha S., Molina V., et al.
HPB, vol.26, no.1, pp.102-108, 2024 (SCI-Expanded)
- III. **Surgical outcomes of gallbladder cancer: the OMEGA retrospective, multicentre, international cohort study**
Balakrishnan A., Barmounakis P., Demiris N., Jah A., Spiers H. V., Talukder S., Martin J. L., Gibbs P., Harper S. J., Huguet E. L., et al.

eClinicalMedicine, vol.59, 2023 (SCI-Expanded)

- IV. **Use and outcome of minimally invasive pancreatic surgery in the European E-MIPS registry**
van der Heijde N., Vissers F. L., Manzoni A., Zimmiti G., Balsells J., Berrevoet F., Bjornsson B., van den Boezem P., Boggi U., Bratlie S. O., et al.
HPB, vol.25, no.4, pp.400-408, 2023 (SCI-Expanded)
- V. **Macrophages direct cancer cells through a LOXL2-mediated metastatic cascade in pancreatic ductal adenocarcinoma**
Alonso-Nocelo M., Ruiz-Canas L., Sancho P., Gorgulu K., Alcalá S., Pedrero C., Vallespinos M., Carlos Lopez-Gil J., Ochando M., Garcia-Garcia E., et al.
GUT, no.2, pp.345-359, 2023 (SCI-Expanded)
- VI. **Clinical Outcomes After Total Pancreatectomy A Prospective Multicenter Pan-European Snapshot Study**
Latenstein A. E. J., Scholten L., Al-Saffar H. A., Bjornsson B., Butturini G., Capretti G., Chatzizacharias N. A., Derveniz C., Frigerio I., Gallagher T. K., et al.
ANNALS OF SURGERY, vol.276, no.5, 2022 (SCI-Expanded)
- VII. **Hepatic Cysts Reappraisal of the Classification, Terminology, Differential Diagnosis, and Clinicopathologic Characteristics in 258 Cases**
Armutlu A., Quigley B., Choi H., Basturk O., AKKAŞ AKGÜN G., Pehlivanoglu B., Memis B., Jang K., Erkan M. M., Erkan B., et al.
AMERICAN JOURNAL OF SURGICAL PATHOLOGY, vol.46, no.9, pp.1219-1233, 2022 (SCI-Expanded)
- VIII. **Analysis of genomic alterations in cancer associated human pancreatic stellate cells**
Boeker V., Haeussler J., Baumann J., Sunami Y., Trojanowicz B., Harwardt B., Hammje K., von Auw N., Erkan M. M., Krohn K., et al.
SCIENTIFIC REPORTS, no.1, 2022 (SCI-Expanded)
- IX. **Pancreatobiliary Maljunction-associated Gallbladder Cancer Is as Common in the West, Shows Distinct Clinicopathologic Characteristics and Offers an Invaluable Model for Anatomy-induced Reflux-associated Physio-chemical Carcinogenesis**
Muraki T., Pehlivanoglu B., Memis B., Reid M. D., Uehara T., Basturk O., Pernicka J. G., Klimstra D. S., Jarnagin W. R., Ito T., et al.
ANNALS OF SURGERY, vol.276, no.1, 2022 (SCI-Expanded)
- X. **Infiltration pattern predicts metastasis and progression better than the T-stage and grade in pancreatic neuroendocrine tumors: a proposal for a novel infiltration-based morphologic grading**
Taskin O. C., Reid M. D., Bagci P., Balci S., Armutlu A., Demirtas D., PEHLİVANOĞLU B., Saka B., Memis B., BOZKURTLAR E., et al.
MODERN PATHOLOGY, vol.35, no.6, pp.777-785, 2022 (SCI-Expanded)
- XI. **Bioengineered 3D models of human pancreatic cancer recapitulate in vivo tumour biology**
de la Pena D. O., Trabulo S. M. D., Collin E., Liu Y., Sharma S., Tatari M., Behrens D., Erkan M. M., Lawlor R. T., Scarpa A., et al.
NATURE COMMUNICATIONS, vol.12, no.1, 2021 (SCI-Expanded)
- XII. **Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition**
Sharbeen G., McCarroll J. A., Akerman A., Kopecky C., Youkhana J., Kokkinos J., Holst J., Boyer C., Erkan M. M., Goldstein D., et al.
CANCER RESEARCH, vol.81, no.13, pp.3461-3479, 2021 (SCI-Expanded)
- XIII. **Telomerase and Pluripotency Factors Jointly Regulate Stemness in Pancreatic Cancer Stem Cells**
Walter K., Rodriguez-Aznar E., Ferreira M. S. V., Frappart P., Dittrich T., Tiwary K., Meessen S., Lerma L., Daiss N., Schulte L., et al.
CANCERS, vol.13, no.13, 2021 (SCI-Expanded)
- XIV. **Is elective cancer surgery feasible during the lock-down period of the COVID-19 pandemic? Analysis of a single institutional experience of 404 consecutive patients**
Kulle C. B., Azamat I. F., Vatanserver D., Erus S., Tarim K., Akyoldas G., Gokler O., Deveci M. A., Cakar N., Ergonul O., et

al.

JOURNAL OF SURGICAL ONCOLOGY, vol.123, no.7, pp.1495-1503, 2021 (SCI-Expanded)

- XV. **Evaluation and Pathologic Classification of Choledochal Cysts Clinicopathologic Analysis of 84 Cases From the West**
Aydin Mericoz C., Hacıhasanoglu E., Muraki T., PEHLİVANOĞLU B., Memis B., Mittal P., Polito H., Saka B., Everett R., Sarmiento J., et al.
AMERICAN JOURNAL OF SURGICAL PATHOLOGY, vol.45, no.5, pp.627-637, 2021 (SCI-Expanded)
- XVI. **Histopathologic Infiltration Pattern Predicts Metastasis and Progression Better than pT-Stage and Grade in Well-Differentiated Pancreatic Neuroendocrine Tumors: A Proposal for an Infiltration-Based Morphologic Grading System**
Taskin O., Reid M., Culci P. B., Balci S., Armutlu A., Demirtas D., PEHLİVANOĞLU B., Saka B., Memis B., BOZKURLAR E., et al.
MODERN PATHOLOGY, no.SUPPL 2, pp.1058-1060, 2021 (SCI-Expanded)
- XVII. **Will the Real "Hepatobiliary Cystadenocarcinoma" Please Stand Up? True Malignancy is Exceedingly Rare in Cystic Liver Lesions; Implications for Pathologic Evaluation and Pre-Operative Decision Making**
Armutlu A., Quigley B., Choi H., Basturk O., Akkas G., PEHLİVANOĞLU B., Memis B., Jang K., Erkan M. M., Erkan B., et al.
LABORATORY INVESTIGATION, no.SUPPL 1, pp.959-961, 2021 (SCI-Expanded)
- XVIII. **Histopathologic Infiltration Pattern Predicts Metastasis and Progression Better than pT-Stage and Grade in Well-Differentiated Pancreatic Neuroendocrine Tumors: A Proposal for an Infiltration-Based Morphologic Grading System**
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LABORATORY INVESTIGATION, no.SUPPL 1, pp.1058-1060, 2021 (SCI-Expanded)
- XIX. **Will the Real "Hepatobiliary Cystadenocarcinoma" Please Stand Up? True Malignancy is Exceedingly Rare in Cystic Liver Lesions; Implications for Pathologic Evaluation and PreOperative Decision Making**
Armutlu A., Quigley B., Choi H., Basturk O., Akkas G., PEHLİVANOĞLU B., Memis B., Jang K., Erkan M. M., Erkan B., et al.
MODERN PATHOLOGY, no.SUPPL 2, pp.959-961, 2021 (SCI-Expanded)
- XX. **Complete tumor resection and demonstration of detailed anatomy of the porta hepatis in a patient with recurrent epithelial ovarian cancer**
Taskiran C., Vatanserver D., Misirlioglu S., Giray B., Kumcular T., Arvas M., Erkan M. M.
INTERNATIONAL JOURNAL OF GYNECOLOGICAL CANCER, no.1, pp.148-149, 2021 (SCI-Expanded)
- XXI. **Frequency and clinicopathologic associations of DNA mismatch repair protein deficiency in ampullary carcinoma: Routine testing is indicated**
Xue Y., Balci S., Mericoz C. A., Taskin O. C., Jiang H., PEHLİVANOĞLU B., Muraki T., Memis B., Saka B., Kim G. E., et al.
CANCER, vol.126, no.21, pp.4788-4799, 2020 (SCI-Expanded)
- XXII. **Gallbladder polyps: Correlation of size and clinicopathologic characteristics based on updated definitions**
Taskin O. C., Basturk O., Reid M. D., Dursun N., Bagci P., Saka B., Balci S., Memis B., Bellolio E., Araya J. C., et al.
PLOS ONE, vol.15, no.9, 2020 (SCI-Expanded)
- XXIII. **GLI1/GLI2 functional interplay is required to control Hedgehog/GLI targets gene expression**
Tolosa E. J., Fernandez-Barrena M. G., Iguchi E., McCleary-Wheeler A. L., Carr R. M., Almada L. L., Flores L. F., Vera R. E., Alfonse G. W., Marks D. L., et al.
BIOCHEMICAL JOURNAL, vol.477, no.17, pp.3131-3145, 2020 (SCI-Expanded)
- XXIV. **Delivery of hepato-pancreato-biliary surgery during the COVID-19 pandemic: an European-African Hepato-Pancreato-Biliary Association (E-AHPBA) cross-sectional survey**
Balakrishnan A., Lesurtel M., Siriwardena A. K., Heinrich S., Serrablo A., Besselink M. G. H., Erkan M. M., Andersson B., Polak W. G., Laurenzi A., et al.

HPB, vol.22, no.8, pp.1128-1134, 2020 (SCI-Expanded)

- XXV. **Pancreatic neuroendocrine neoplasms: current state and ongoing controversies on terminology, classification and prognostication**
Taskin O. C., Clarke C. N., Erkan M. M., Tsai S., Evans D. B., Adsay V.
JOURNAL OF GASTROINTESTINAL ONCOLOGY, no.3, pp.548-558, 2020 (SCI-Expanded)
- XXVI. **Pseudopterosin and O-Methyltylophorinidine Suppress Cell Growth in a 3D Spheroid Co-Culture Model of Pancreatic Ductal Adenocarcinoma**
Xie B., Haensel J., Mundorf V., Betz J., Reimche I., Erkan M. M., Buedeyri I., Gesell A., Kerr R. G., Ariantari N. P., et al.
BIOENGINEERING-BASEL, vol.7, no.2, pp.1-20, 2020 (SCI-Expanded)
- XXVII. **International consensus guidelines for surgery and the timing of intervention in chronic pancreatitis**
Kempeneers M. A., Issa Y., Ali U. A., Baron R. D., Besselink M. G., Buechler M., Erkan M. M., Fernandez-Del Castillo C., Isaji S., Izbicki J., et al.
PANCREATOLOGY, vol.20, no.2, pp.149-157, 2020 (SCI-Expanded)
- XXVIII. **Targeting nNOS ameliorates the severe neuropathic pain due to chronic pancreatitis**
Demir I. E., Heinrich T., Carty D. G., Saricaoglu O. C., Klauss S., Teller S., Kehl T., Reyes C. M., Tieftrunk E., Lazarou M., et al.
EBIOMEDICINE, vol.46, pp.431-443, 2019 (SCI-Expanded)
- XXIX. **Inter- and intra-tumoural heterogeneity in cancer-associated fibroblasts of human pancreatic ductal adenocarcinoma**
Neuzillet C., Tijeras-Raballand A., Ragulan C., Cros J., Patil Y., Martinet M., Erkan M. M., Kleeff J., Wilson J., Apte M., et al.
JOURNAL OF PATHOLOGY, vol.248, no.1, pp.51-65, 2019 (SCI-Expanded)
- XXX. **Engineering human stellate cells for beta cell replacement therapy promotes in vivo recruitment of regulatory T cells**
Oran D. C., Lokumcu T., Inceoglu Y., Akolpoglu M. B., Albayrak O., Bal T., Kurtoglu M., Erkan M. M., Can F., Bagci-Onder T., et al.
MATERIALS TODAY BIO, vol.2, 2019 (SCI-Expanded)
- XXXI. **Mutant KRAS-driven cancers depend on PTPN11/SHP2 phosphatase**
Ruess D. A., Heynen G. J., Ciecieski K. J., Ai J., Berninger A., Kabacaoglu D., Goerguelue K., Dantes Z., Woermann S. M., Diakopoulos K. N., et al.
NATURE MEDICINE, vol.24, no.7, pp.954-960, 2018 (SCI-Expanded)
- XXXII. **Stromal heterogeneity in pancreatic cancer and chronic pancreatitis**
Haeberle L., Steiger K., Schlitter A. M., Safi S. A., Knoefel W. T., Erkan M. M., Esposito I.
PANCREATOLOGY, vol.18, no.5, pp.536-549, 2018 (SCI-Expanded)
- XXXIII. **Dynamic landscape of pancreatic carcinogenesis reveals early molecular networks of malignancy**
Kong B., Bruns P., Behler N. A., Chang L., Schlitter A. M., Cao J., Gewies A., Ruland J., Fritzsche S., Valkovskaya N., et al.
GUT, vol.67, no.1, pp.146-156, 2018 (SCI-Expanded)
- XXXIV. **Contemporary strategies to improve the outcome in locally advanced pancreatic cancer**
Schneider R., Spath C., Nitsche U., Erkan M. M., Kleeff J.
MINERVA CHIRURGICA, vol.72, no.5, pp.424-431, 2017 (SCI-Expanded)
- XXXV. **Co-clinical Assessment of Tumor Cellularity in Pancreatic Cancer**
Heid I., Steiger K., Trajkovic-Arsic M., Settles M., Esswein M. R., Erkan M. M., Kleeff J., Jaeger C., Friess H., Haller B., et al.
CLINICAL CANCER RESEARCH, vol.23, no.6, pp.1461-1470, 2017 (SCI-Expanded)
- XXXVI. **Giant Celiac Artery Aneurysm Treated with a Flow-Diverting Multilayer Stent: Early Rupture as a Fatal Complication**
Coskun B., Rozanes I., Erkan M. M., Ates S., Akpek S.
JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY, vol.28, no.3, pp.468-470, 2017 (SCI-Expanded)
- XXXVII. **Effect of preoperative biliary drainage on bacterial flora in bile of patients with periampullary cancer**
Scheufele F., Aichinger L., Jaeger C., Demir I. E., Schorn S., Sargut M., Erkan M. M., Kleeff J., Friess H., Ceyhan G. O.

- BRITISH JOURNAL OF SURGERY, vol.104, no.2, 2017 (SCI-Expanded)
- XXXVIII. **Pancreatic Premalignant Lesions Secrete Tissue Inhibitor of Metalloproteinases-1, Which Activates Hepatic Stellate Cells Via CD63 Signaling to Create a Premetastatic Niche in the Liver**
Gruenwald B., Harant V., Schaten S., Fruehschuetz M., Spallek R., Hoechst B., Stutzer K., Berchtold S., Erkan M. M., Prokopchuk O., et al.
GASTROENTEROLOGY, vol.151, no.5, pp.1011-1031, 2016 (SCI-Expanded)
- XXXIX. **Periostin and tumor-stroma interactions in non-small cell lung cancer**
Nitsche U., Stangel D., Pan Z., Schlitter A. M., Esposito I., Regel I., Raulefs S., Friess H., Kleeff J., Erkan M. M.
ONCOLOGY LETTERS, vol.12, no.5, pp.3804-3810, 2016 (SCI-Expanded)
- XL. **Activated leukocyte cell adhesion molecule regulates the interaction between pancreatic cancer cells and stellate cells**
Zhang W., Zhan S., Geng C., Sun X., Erkan M. M., Kleeff J., Xie X.
MOLECULAR MEDICINE REPORTS, vol.14, no.4, pp.3627-3633, 2016 (SCI-Expanded)
- XLI. **A subset of metastatic pancreatic ductal adenocarcinomas depends quantitatively on oncogenic Kras/Mek/Erk-induced hyperactive mTOR signalling**
Kong B., Wu W., Cheng T., Schlitter A. M., Qian C., Bruns P., Jian Z., Jaeger C., Regel I., Raulefs S., et al.
GUT, vol.65, no.4, pp.647-657, 2016 (SCI-Expanded)
- XLII. **The role of hypoxia in pancreatic cancer: a potential therapeutic target?**
Erkan M. M., Kurtoglu M., Kleeff J.
EXPERT REVIEW OF GASTROENTEROLOGY & HEPATOLOGY, vol.10, no.3, pp.301-316, 2016 (SCI-Expanded)
- XLIII. **Loss of Periostin Results in Impaired Regeneration and Pancreatic Atrophy after Cerulein-Induced Pancreatitis**
Hausmann S., Regel I., Steiger K., Wagner N., Thorwirth M., Schlitter A. M., Esposito I., Michalski C. W., Friess H., Kleeff J., et al.
AMERICAN JOURNAL OF PATHOLOGY, vol.186, no.1, pp.24-31, 2016 (SCI-Expanded)
- XLIV. **Pancreas-specific activation of mTOR and loss of p53 induce tumors reminiscent of acinar cell carcinoma**
Kong B., Cheng T., Qian C., Wu W., Steiger K., Cao J., Schlitter A. M., Regel I., Raulefs S., Friess H., et al.
MOLECULAR CANCER, vol.14, 2015 (SCI-Expanded)
- XLV. **Resectability After First-Line FOLFIRINOX in Initially Unresectable Locally Advanced Pancreatic Cancer: A Single-Center Experience**
Nitsche U., Wenzel P., Siveke J. T., Braren R., Holzapfel K., Schlitter A. M., Stoess C., Kong B., Esposito I., Erkan M. M., et al.
ANNALS OF SURGICAL ONCOLOGY, vol.22, pp.1212-1220, 2015 (SCI-Expanded)
- XLVI. **Microenvironmental hCAP-18/LL-37 promotes pancreatic ductal adenocarcinoma by activating its cancer stem cell compartment**
Sainz B., Alcala S., Garcia E., Sanchez-Ripoll Y., Azevedo M. M., Cioffi M., Tatari M., Miranda-Lorenzo I., Hidalgo M., Gomez-Lopez G., et al.
GUT, vol.64, no.12, pp.1921-1935, 2015 (SCI-Expanded)
- XLVII. **Combined inhibition of BET family proteins and histone deacetylases as a potential epigenetics-based therapy for pancreatic ductal adenocarcinoma**
Mazur P. K., Herner A., Mello S. S., Wirth M., Hausmann S., Sanchez-Rivera F. J., Lofgren S. M., Kuschma T., Hahn S. A., Vangala D., et al.
NATURE MEDICINE, vol.21, no.10, pp.1163-1171, 2015 (SCI-Expanded)
- XLVIII. **Volumetric gain of the human pancreas after left partial pancreatic resection: A CT-scan based retrospective study**
Phillip V., Zahel T., Danninger A., Erkan M. M., Dobritz M., Steiner J. M., Kleeff J., Schmid R. M., Alguel H.
PANCREATOLOGY, vol.15, no.5, pp.542-547, 2015 (SCI-Expanded)
- XLIX. **Outcomes of resections for pancreatic adenocarcinoma with suspected venous involvement: a single center experience**
Michalski C. W., Kong B., Jaeger C., Kloe S., Beier B., Braren R., Esposito I., Erkan M. M., Friess H., Kleeff J.

BMC SURGERY, vol.15, 2015 (SCI-Expanded)

- L. **Umbilical Microflora, Antiseptic Skin Preparation, and Surgical Site Infection in Abdominal Surgery**
Kleeff J., Erkan M. M., Jaeger C., Menacher M., Gebhardt F., Hartel M.
SURGICAL INFECTIONS, vol.16, no.4, pp.450-454, 2015 (SCI-Expanded)
- LI. **Kif20a inhibition reduces migration and invasion of pancreatic cancer cells**
Stangel D., Erkan M. M., Buchholz M., Gress T., Michalski C., Raulefs S., Friess H., Kleeff J.
JOURNAL OF SURGICAL RESEARCH, vol.197, no.1, pp.91-100, 2015 (SCI-Expanded)
- LII. **Inhibition of CD47 Effectively Targets Pancreatic Cancer Stem Cells via Dual Mechanisms**
Cioffi M., Trabulo S., Hidalgo M., Costello E., Greenhalf W., Erkan M. M., Kleeff J., Sainz B., Heeschen C.
CLINICAL CANCER RESEARCH, vol.21, no.10, pp.2325-2337, 2015 (SCI-Expanded)
- LIII. **Strategies to improve the outcome in locally advanced pancreatic cancer**
Späth C., Nitsche U., Müller T., Michalski C., ERKAN M. M., Kong B., Kleeff J.
Minerva Chirurgica, vol.70, no.2, pp.97-106, 2015 (SCI-Expanded)
- LIV. **Impaired Autophagy Induces Chronic Atrophic Pancreatitis in Mice via Sex- and Nutrition-Dependent Processes**
Diakopoulos K. N., Lesina M., Woermann S., Song L., Aichler M., Schild L., Artati A., Roemisch-Margl W., Wartmann T., Fischer R., et al.
GASTROENTEROLOGY, vol.148, no.3, pp.626-655, 2015 (SCI-Expanded)
- LV. **beta III-Tubulin: A novel mediator of chemoresistance and metastases in pancreatic cancer**
McCarroll J. A., Sharbeen G., Liu J., Youkhana J., Goldstein D., McCarthy N., Limbri L. F., Dischl D., Ceyhan G., Erkan M. M., et al.
ONCOTARGET, vol.6, no.4, pp.2235-2249, 2015 (SCI-Expanded)
- LVI. **A common genetic variation of melanoma inhibitory activity-2 labels a subtype of pancreatic adenocarcinoma with high endoplasmic reticulum stress levels**
Kong B., Wu W., Valkovska N., Jaeger C., Hong X., Nitsche U., Friess H., Esposito I., Erkan M. M., Kleeff J., et al.
SCIENTIFIC REPORTS, vol.5, 2015 (SCI-Expanded)
- LVII. **Hypoxia-induced endoplasmic reticulum stress characterizes a necrotic phenotype of pancreatic cancer**
Kong B., Cheng T., Wu W., Regel I., Raulefs S., Friess H., Erkan M. M., Esposito I., Kleeff J., Michalski C. W.
ONCOTARGET, vol.6, no.31, pp.32154-32160, 2015 (SCI-Expanded)
- LVIII. **Collagen type V promotes the malignant phenotype of pancreatic ductal adenocarcinoma**
Berchtold S., Gruenwald B., Krueger A., Reithmeier A., Haehl T., Cheng T., Feuchtinger A., Born D., Erkan M. M., Kleeff J., et al.
CANCER LETTERS, vol.356, no.2, pp.721-732, 2015 (SCI-Expanded)
- LIX. **Intracellular autofluorescence: a biomarker for epithelial cancer stem cells**
Miranda-Lorenzo I., Dorado J., Lonardo E., Alcalá S., Serrano A. G., Clausell-Tormos J., Cioffi M., Megias D., Zagorac S., Balic A., et al.
NATURE METHODS, vol.11, no.11, pp.1161-1169, 2014 (SCI-Expanded)
- LX. **Effect of gemcitabine and retinoic acid loaded PAMAM dendrimer-coated magnetic nanoparticles on pancreatic cancer and stellate cell lines**
Yalcin S., Erkan M. M., Unsoy G., Parsian M., Kleeff J., Gunduz U.
BIOMEDICINE & PHARMACOTHERAPY, vol.68, no.6, pp.737-743, 2014 (SCI-Expanded)
- LXI. **The role of inflammation in pancreatic cancer**
Hausmann S., Kong B., Michalski C., ERKAN M. M., Friess H.
Advances in Experimental Medicine and Biology, vol.816, pp.129-151, 2014 (SCI-Expanded)
- LXII. **Chloroquine Targets Pancreatic Cancer Stem Cells via Inhibition of CXCR4 and Hedgehog Signaling**
Balic A., Draeby Sorensen M., Maria Trabulo S., Sainz B., Cioffi M., Vieira C. R., Miranda-Lorenzo I., Hidalgo M., Kleeff J., Erkan M. M., et al.
MOLECULAR CANCER THERAPEUTICS, vol.13, no.7, pp.1758-1771, 2014 (SCI-Expanded)
- LXIII. **Multicenter Double-Blinded Randomized Controlled Trial of Standard Abdominal Wound Edge Protection With Surgical Dressings Versus Coverage With a Sterile Circular Polyethylene Drape for**

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III. **DNA methylation pattern of TM6SF2 influences NAFLD progression in genotype-dependent manner**

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Supported Projects

Erkan M. M., Süer Mickler H., R&D Project of Group B, ALPPS Ameliyatı ile İndüklenen Hiperakut Karaciğer Rejenerasyonunun Transkriptom Analizi, 2024 - 2026

Erkan M. M., Süer Mickler H., TUBITAK Project, 2024 - 2025

Erkan M. M., TUBITAK Project, "Pankreas duktal adenokarsinomunda sirküle eden kanser kök hücrelerini saptayarak erken evrede tanı koydurucu biyobelirteç geliştirme çalışmaları (Proje No: 315S290), 2018 - 2021

Erkan M. M., TUBITAK Project, Pankreas Duktal Adenokarsinomu İçin Önilaç Sentezi ve Klinik Öncesi Çalışmaları, 2017 - 2021

Erkan M. M., TUBITAK Project, Pankreatik Adacık Hücrelerinin İmplantasyonu İçin Biyolojik Arayüzeylerde Özgün Nanomühendislik Yaklaşımı ile İmmünolojik Bariyerleri Aşmak, 2017 - 2020

Erkan M. M., Project Supported by Higher Education Institutions, Translational assessment of Echinococcus granulosus Elicited-Host Mediated fibrogenic and immunogenic responses (ECCE HOMO), 2017 - 2019

Erkan M. M., FP7 Project, Targeting the tumour microenvironment to improve pancreatic cancer prognosis EPC TM Net EU FP7 Prof J Kleeff Dr M Erkan Dr C W Michalski Prof I Esposito Prof H Friess, 2011 - 2013

Erkan M. M., Project Supported by Public Organizations in Other Countries, KKF: Stellate cells as antigen presenting cells of the pancreas: Characterization of class II MHC and CD83 or CD163 positive sub-populations, 2011 - 2012
Erkan M. M., Project Supported by Public Organizations in Other Countries, DFG International scientific organisation Dr M Erkan Pancreatic star alliance Consensus criteria on PSC StellaTUM München 30 01 2011 01 02 2011 GZ ER 563 3 1 AOBJ 577801, 2011 - 2011
Erkan M. M., Project Supported by Public Organizations in Other Countries, BMBF NGFNplus Subproject Cancer specific activation of stroma Project number 01GS08115 Dr J Kleeff Dr M Erkan Dr C W Michalski Dr H Friess, 2008 - 2010
Erkan M. M., Project Supported by Private Organizations in Other Countries, Else Kröner Fresenius Stiftung Molecular mechanisms of cannabinoid mediated tumor stroma interactions in pancreatic cancer Dr CW Michalski Dr M Erkan Prof I Esposito Prof J Kleeff, 2008 - 2010

Activities in Scientific Journals

ADVANCES IN GASTROINTESTINAL CANCERS, Committee Member, 2017 - Continues
FRONTIERS OF GASTROINTESTINAL RESEARCH, Committee Member, 2017 - Continues
GASTRIC CANCER, Committee Member, 2017 - Continues
PANCREATOLOGY, Committee Member, 2014 - Continues

Memberships / Tasks in Scientific Organizations

Türk HPB Cerrahi Derneği, Member of Science Committee, 2022 - Continues, Turkey
Pancreatic Terminology Committee , Principal Member, 2021 - Continues, England
European-African Hepato-Pancreato-Biliary Association , Member of Science Committee, 2016 - Continues, England
International and European-African Hepato-Pancreato-Biliary Association , Member of Science Committee, 2016 - Continues, United States Of America
EDS – European Digestive Surgery, Member, 2015 - Continues, Germany
International Association of Pancreatology (IAP), Member, 2015 - Continues, India
Deutscher Pankreasclub (DPC), Principal Member, 2015 - Continues, Germany
European Pancreatic Club (EPC), Principal Member, 2015 - Continues, Austria
Istanbul Tabip Odası, Member, 2000 - Continues, Turkey
Istanbul Üniversitesi Mezunlar Derneği, Member, 1999 - Continues, Turkey
DGAV – Deutsche Gesellschaft für Allgemein- und Viszeralchirurgie, Member, 2015 - 2024, Germany
Deutscher Modellflieger Verband e.V., Member, 2015 - 2023, Germany
The European Consortium on Minimally Invasive Pancreatic Surgery (E-MIPS), Consultant, 2020 - 2020, Turkey
European-African Hepato-Pancreato-Biliary Association , Member of Advisory Board, 2015 - 2019, England
Turkish Association of Hepato-Pancreato-Biliary Surgery , Board Member, 2015 - 2017, Turkey
COST Association, Member, 2012 - 2017, Belgium

Scientific Refereeing

AMERICAN JOURNAL OF PATHOLOGY, Journal Indexed in SCI-E, January 2019
TRIALS, Journal Indexed in SCI-E, January 2019
GASTROENTEROLOGY, Journal Indexed in SCI-E, January 2019
GUT, Journal Indexed in SCI-E, January 2018
CARCINOGENESIS, Journal Indexed in SCI-E, January 2017
INTERNATIONAL JOURNAL OF PANCREATOLOGY, SCI Journal, January 2017
LANCET ONCOLOGY, Journal Indexed in SCI-E, January 2017
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Non Academic Experience

Company, RS-Research , Clinical Trial Phase I

University, Klinikum r.d.Isar, Technische Universität München, Department of Surgert

Hospital, Klinikum r.d.Isar, Technische Universität München, Department of Surgery

University, Klinikum r.d.Isar, Technische Universität München, Department of Surgery

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University, University of Heidelberg, Department of Surgery

University of Heidelberg, Heidelberg

University, Istabul Faculty of Medicine, Department of Surgery/ Hepato-Pancreato-Biliary Surgery Unit

İSTANBUL EĞİTİM VE ARAŞTIRMA HASTANESİ

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Cleveland Clinic Florida, Fort Lauderdale, Florida, USA