

PERSONAL INFORMATION

Laura Banias



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Sex: Female

Date of birth:

Nationality: Romanian

WORK EXPERIENCE

2/2018—Present

Assistant Professor

University of Medicine, Pharmacy, Science and Technology of Târgu Mureș,
Pathology Department

04/01/2016—Present

Pathology Resident

Mureș County Clinical Emergency Hospital - Department of Pathology, Tîrgu
Mureș (Romania)

SCIENTIFIC ACTIVITY

(domains of interest:
pathology, gastrointestinal
tumors)

Papers in extenso published
in ISI-indexed journals

LIST OF PUBLICATIONS

1. **Banias L**, Jung I, Gurzu S. Subcellular expression of maspin – from normal tissue to tumor cells. World J Meta-Anal 2019; 7:142-155. DOI: 10.13105/wjma.v7.i4.142
2. **Banias L**, Jung I, Bara T, Fulop Z, Simu P, Simu I, Gurzu S. Immunohistochemical-based molecular subtyping of colorectal carcinomas, using maspin and markers of epithelial-mesenchymal transition. Oncol Lett 2019; In press. FI: 1.871.
3. **Banias L**, Gurzu S, Kovacs Z, Bara T, Bara T Jr., Jung I. Nuclear maspin expression: a biomarker for budding assessment in colorectal cancer specimens. Pathology Research Practice. Ed. Elsevier 2017. pii: S0344-0338(17)30615-5. DOI:10.1016/j.prp.2017.07.025. ISSN 0344-0338. Impact factor 1.466 (2017). Influence score 0.651 (2016).
4. **Banias L**, Gurzu S, Jung I, Borz C. Angiomyofibroblastoma mimicking an inguinal hernia: a challenging diagnosis in a male patient. Advances in Dermatology and Allergology (Postępy Dermatologii i Alergologii) 2019; 36(2):223-226. DOI: 10.5114/ada.2019.84597 ISBN:1642-395X. Impact factor 1.471 (2019). Influence score 0.573 (2018).
5. Kovacs Z, Gurzu S, Molnar C, Sincu S, **Banias L**, Satala C, Jung I. Gastrointestinal Carcinoma with Plasmacytoid Morphology: Positivity for c-MET, Arylsulfatase, and Markers of Epithelial-Mesenchymal Transition, as Indicators of Aggressivity. J Oncol 2019; 2019:5836821. DOI: 10.1155/2019/5836821, FI: 2.600.
6. Fulop ZZ, Gurzu S, Bara T, Dragus E, Bara T Jr, Voidazan S, **Banias L**, Jung I. Lymph node ratio, an independent prognostic factor for patients with stage II-III rectal carcinoma. Pathol Res Pract 2019; 215:152384. DOI: 10.1016/j.prp.2019.03.013, FI: 1.794.
7. Bara T Jr., Gurzu S, Jung I, Borz C, **Banias L**, Bara T. Sentinel node biopsy using intravital blue dye: an useful technique for identification of skip metastases in gastric cancer. Medicine (Baltimore) 2019; 98:e14951. DOI:10.1097/MD.00000000000014951, FI: 1.870.
8. Gurzu S, **Banias L**, Kovacs Z, Jung I. Epithelial-mesenchymal transition of tumor budding in colorectal cancer: the mystery of CD44 positive stromal cells. Human Pathology. 2017. DOI: 10.1016/j.humpath.2017.07.019. ISSN 0046-8177. Impact factor 3.125 (2017). Influence score 1.588 (2016).
9. Gurzu S, **Banias L**, Bara T, Feher J, Bara T, Jung I. The Epithelial-Mesenchymal Transition Pathway in Two Cases with Gastric Metastasis Originating from Breast

Carcinoma, One with a Metachronous Primary Gastric Cancer. Recent Pat Anticancer Drug Discov 2018; 13:118-124. Impact factor 2.509 (2017).
doi: 10.2174/2212798409666171101121108.

Papers in extenso published in BDI-indexed journals

1. Gurzu S, Beleaua M, **Banias L**, Jung I. Gastric metastases mimicking primary gastric cancer: A brief literature review. Cancer Translational Medicine 2017; 3: 101-105. Indexed by EBSCO.

1. **Banias L**, Jung I, Bara T, Bara T Jr, Gurzu S. Epithelial-mesenchymal transition features in gastric mixed adenoneuroendocrine carcinomas (MANEC). Virchows Archiv, 2018. 473:S239 Impact factor: 2.936 (2017).

2. Kovacs Z, **Banias L**, Jung I, Gurzu S. The microsatellite instability and budding intensity in colorectal cancer. Virchows Archiv, 2018. 473:S221 Impact factor: 2.936 (2017).

Papers in abstract published and presented at international conferences

3. Beleaua MA, Jung I, Milutin D, Zdrob S, **Banias L**, Gurzu S. Malignant melanoma: a tumour with increased incidence. Virchows Archiv, 2018. 473:S239 Impact factor: 2.936 (2017).

4. **Banias L**, Jung I, Bara T, Bara T Jr, Gurzu S. Epithelial-mesenchymal transition aspects in colorectal mixed adenocarcinoma (MANEC). 44th Annual Meeting of Korean Cancer Association & 4th International Cancer Conference, June, 2018, Seoul, South Korea.

5. **Banias L**, Jung I, Bara T, Bara T Jr., Gurzu S. Xanthomatosis-like regression after chemoradiotherapy: an uncommon phenomenon in a patient with cutaneous metastasis from colon cancer. Virchows Archiv, 2017. 471 (suppl. 1): S318. Impact factor: 2.936 (2017). ESP Bursary awarded.

6. **Banias L**, Jung I, Borz C, Gurzu S, Turcu M. Angiomyofibroblastoma presenting as an inguinal hernia in a male patient – A case report. Virchows Archiv, 2017. 471 (suppl 1): S260. Impact factor: 2.936 (2017).

7. Gurzu S, **Banias L**, Timar C, Bara T, Bara T Jr., Jung I. Clinicopathological aspects and particularities of epithelial-mesenchymal transition in colorectal versus gastric adenocarcinomas. Virchows Archiv, 2017 471 (suppl 1): S187. Impact factor: 2.936 (2017).

8. Gurzu S, **Banias L**, Bara T, Bara T Jr., Jung I. The particular features of epithelial-mesenchymal transition in low- versus high-grade tumor budding in colorectal cancer. Asia Pacific Conference. Seoul, South Korea. 22-24 June 2017. Proceeding book.

9. Jung I, Molnar C, **Banias L**, Mezei T, Butiurca V, Gurzu S. Unusual histopathological regression of gastric adenocarcinoma after preoperative chemotherapy: A case report. The 10th Asia Pacific IAP Congress. Bali, Indonesia. 24-27 April. Proceeding book. 2017. 279. ISBN 978-602-60360-1-8.

10. Gurzu S, **Banias L**, Bara T, Bara T Jr., Jung I. The role of tumor cell plasticity and microenvironment changes. 41st ARA (American Romanian Academy of Arts and Sciences) Congress. Abstracts. ISBN 978-1-935924-35-7. 2017. 25.

Papers in abstract published and presented at national conferences

1. **Banias L**, Jung I, Bara T, Fulop Z, Molnar C, Simu P, Gurzu S. An immunophenotype-based molecular classification of gastric carcinomas. Scientific Session of University Educational Staff, Tîrgu Mureş România, 10-14 December 2018. 1:58-59 ISSN 2602-1609.

2. Fulop Z, Gurzu S, Bara T, Bara T Jr, Dragus E, **Banias L**, Jung I. The impact of lymph nodes on survival in patients with anorectal cancer. 11th Conference of Ph.D. Students and Young Doctors, Tîrgu Mureş România, 10-14 December 2018. 1:129 ISSN 2602-1609

3. Bara T, Bara T Jr, Gurzu S, Jung I, **Banias L**, Fülöp Z. Complete mesocolic excision and central vascular ligation in colon cancer surgery. Orvostudományi Értesítő. 2018. 91 (2):4. ISSN 2537-5059.

4. Gurzu S, Mezei T, **Banias L**, Sincu M, Jung I. Classic versus digitalized diagnosis. Acta Medica Mariensis. 2017 (supl. 4): 63. ISSN 2068-3324. Oral presentation.
5. **Banias L**, Jung I, Gurzu S. The prognostic role of tumor budding in colorectal cancer. Acta Medica Mariensis. 2017 (supl. 1): 63. ISSN 2068-3324. Oral presentation.
6. **Banias L**, Turdean S, Horvath E, Chira L, Gurzu S, Cotoi OS, Turcu M. Unclassified low grade B-cell non-Hodgkin lymphoma with MALT-type morphology and higher percentage of large transformed cells. Acta Medica Mariensis. 2016. 62 (supl. 8):70. ISSN 2068-3324. Oral presentation.
7. Gurzu S, **Banias L**, Susan C, Molnar C, Bara T, Butiurca V, Jung I. Histological evaluation of the pathological response of gastrointestinal tumors to preoperative chemoradiotherapy: a diagnostic clue in oncopathology. Acta Medica Mariensis. 2016. 62 (supl. 8):73. ISSN 2068-3324. Oral presentation.
8. **Banias L**, Ducra AM, Chiriac C. Antibiotic resistance in enteropathogens causing acute diarrheal disease. Acta Medica Mariensis. 2015. 61:40. ISSN 2068-3324. Oral presentation.

RESEARCH PROJECTS

Project director
(2019-2020)

Title: The role of β -catenin, E-cadherin, Maspin and CD44 markers in assessing epithelial-mesenchymal transition in gastric and colorectal carcinomas and outlining a molecular classification of these

Supported by the University of Medicine, Pharmacy, Sciences and Technology of Tîrgu Mureş, Romania, Grant number 61515/2019

Member - partner P2
(2018-2021)

Title: GRAPHSENSGASTROINTES/Senzori stocastici bazați pe grafene pentru diagnosticul molecular al cancerului tractului gastrointestinal superior

Supported by a grant of the Romanian National Authority for Scientific Research, RRCNCS – UEFISCDI (Executive Unit for Financing Higher Education, Research, Development and Innovation), project number 20 PCCF/2018, code: PN-III-P4-ID-PCCF-2016-0006

MOBILITY PROJECTS

project director
(won in national competitions:
„Mobility projects for
researchers”)

Title: Participation at the „Intensive course DIAGNOSTIC DERMATOPATHOLOGY”, 15-16th March, 2018, Lentos Kunstmuseum, Linz, Austria

Project number: 746/20.12.2017; Code: PN-III-P1-1.1-MC-2017-1266 financed by UEFISCDI

Title: Participation at the „44th Annual Meeting of Korean Cancer Association & 4th International Cancer Conference”, 21-22nd June, 2018, Lotte Hotel Seoul, South Korea

Project number: 247/16.10.2018; Code PN-III-P1-1.1-MC-2018-1601

AFFILIATIONS

member since 2017
member since 2017

European Society of Pathology (ESP)

European Society of Medical Oncology (ESMO)

EDUCATION AND TRAINING

2017--present

PhD student

University of Medicine and Pharmacy, Tîrgu Mureş (Romania) – Doctoral School

Domain of scientific research:

Morphologic, immunohistochemical and molecular aspects of gastric and colorectal carcinomas

2009–2015

medical doctor

University of Medicine and Pharmacy, Tîrgu Mureş (Romania)

2005–2009

National College Alexandru Papiu Ilarian - Mathematics, Informatics, Tirgu-Mures (Romania)

PERSONAL SKILLS

Mother tongue(s)

Other language(s)

English

Romanian

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

CERTIFIED - C1 - MEDICAL ENGLISH - PROFEX (SERIAL NUMBER 1878665)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Independent user

Digital competences - Self-assessment grid

certified competent computer operator