



CURRICULUM VITAE

PERSONAL INFORMATION

Name: SIMONA GURZU
Nationality: Romanian
Date of birth:
Gender: Female

DESIRED EMPLOYMENT/

OCCUPATIONAL FIELD - WORK EXPERIENCE

Dates, Occupation and positions held

The Romanian Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI)

2017-present **Member in the National Romanian Board of PhD titles (CNATDCU)**

2018-present **Projects Evaluator - Ministry of National Education and Scientific Research**

Emergency Clinical County Hospital of Tîrgu-Mureş, Romania, Department of Pathology

2017 - present **Foundation of Molecular Oncopathology Laboratory**

08.2018 – present Member of the Board of examining in-hospital death

09.2017-present Member of the Board of examining the maternal death

20.03.2017-present Member of the Medical Council

21.11.2016-present **Coordinator of the activity of Residents in pathology**

01.10.2016-present **Head of Clinical Department of Pathology**

01.10.2014-present Consultant GI Pathologist

01.11.2010-01.10.2014 Specialist in Pathology

01.01.2006-01.11.2010 Resident in Pathology

University of Medicine Pharmacy, Sciences and Technology, Tîrgu-Mures, Romania

2016-present **Head of Chair of Pathology**

2016-present Member in the Didactic Staff Council Department - Tirgu-Mures, Romania

2015-present Head of Pathology Department – Research Center

2015-present **Professor - Department of Pathology**

2014-present Responsible for scientific education of master students

2014-present Member in the Scientific Council of PhD School - Tirgu-Mures, Romania

2013-2015 Associate Professor - *Department of Pathology*
 2013-present Scientific supervisor for PhD students (**habilitated doctor**)
 2011-2013 Senior Lecturer- *Department of Pathology*
 2006-2011 Assistant Professor (Junior Lecturer) - *Department of Pathology*

*National Institute of Oncology, Budapest, Hungary,
 Center of Tumors and Molecular Pathology*
 Visiting researcher – 2006-present

Seoul University, Guro Hospital, Department of Pathology
 Visiting researcher – 2008-2009

Hamamatsu University, School of Medicine, Center of Tumors, Japan
 Invited Associate Professor – 2014

Other internships/training programmes: 2017 – TataabioCenter, Athens, Greece – next generation sequencing; 2016 - Technical University of Munich, Germany – molecular biology; 2015 – Institute of Pathology, Medical University of Graz, Austria – molecular biology; 2007 – Victor Babes University of Medicine, Timisoara, Romania – immunohistochemistry and angiogenesis.

INTERNATIONAL IMPACT

January 2019 – Research Gate score 36.17 - higher than 95% of ResearchGate members
 June 2018 – Included in the top 4% most read authors on Academia.edu
 2018 – Member of Highly Influential Peer reviewer database of Baishideng Publishing Group
 2018 – Certification of excellence in reviewing medical papers – Spandios Publications
 2017 – Member of Highly Influential Scientists of Baishideng Publishing Group database
 2017 - Included in the top 25% most cited PlosOne author
 2014 – Designed by Biomed central as “highly accessed published paper”

MEMBER IN PROFESSIONAL SOCIETIES

2017-present-*American Romanian Academy of Arts and Sciences (ARA)*
 2017-present-*European Chron's and colitis organisation (ECCO)*
 2016-present - *International Society for IHC and Molecular Morphology (ISIMm)*
 2014-present - *Romanian Society of Cell Biology*
 2013-present - *European Society for Medical Oncology (ESMO)*
 2006-present - *Romanian Society of Morphology and Pathology*
 2006-present - *European Society of Pathology (ESP)*
 Member in the ESP Working Group 6 “Digestive Diseases” – 2016-present
 Member in the ESP Working Group 11 “Molecular” – 2016-present
 Member in the ESP Working Group 4 “Endocrine Pathology” – 2016-present

Member in the ESP Working Group 3 “Dermatopathology” – 2016-present
Member in the ESP Working Group 15 “Soft tissue” – 2016-present
Member in the ESP Working Group 5 “Electron microscopy” – 2016-present

MAIN ACTIVITIES AND RESPONSIBILITIES

- 1. Research activity (Gastrointestinal Cancer, Angiogenesis, Immunohistochemistry, Molecular Biology, Tumor histogenesis, Targeted therapy)**
- 2. Methodological knowledge:** microscopy, digital picture analyzing of different quantitative pathologic techniques including immunohistochemistry, digital quantification of angiogenesis, In situ Hybridization, PCR analysis
- 2. Clinical diagnosis in field of GI Pathology (Histopathology, Immunohistochemistry, In situ Hybridization, PCR analysis, Gene sequencing)**
- 3. Teaching activity:** medical students-Romanian, Hungarian and English classes, PhD students, masters’ students, scientific supervisor in MD and PhD theses
- 4. Administrative activities** (Responsible for research project management)

Field of research:

- 1. gastrointestinal cancer - molecular biology (*MSI, K-ras, BRAF, p53, CDH1*)**
- 2. targeted oncologic therapy**
- 3. angiogenesis in tumor and non-tumour lesions, with digital counting**
- 4. tumor histogenesis**
- 5. immunohistochemistry, In Situ Hybridization (CISH and FISH)**

EDUCATION AND TRAINING

Date and place: University of Medicine and Pharmacy of Tîrgu-Mures, Romania,
Faculty of General Medicine - student (1999-2005)

Responsibilities: - students’ leadership from 1st to 6th year
- teaching activity at Chair of Pathology beginning with the 5th year
- periodical articles in the journal “Viata si sanatate” (“Life and Health”)
- participant at different national congresses and 13th Annual International Ain Shams Medical Students Congress, Cairo, 2005

MD thesis: *Morphological and immunohistochemical study of colorectal carcinoma*. Scientific coordinator: Prof. Jung Ioan, Head of Pathology Department of Emergency Hospital of Tîrgu-Mures, Romania – 2005

Diploma: MD (2005). University of Medicine and Pharmacy of Tîrgu-Mures

Qualification: medical doctor, resident in pathology (November 2005)

Date: University of Medicine and Pharmacy of Tîrgu-Mures, Doctoral School –
PhD student (2005-2008)

PhD thesis: *Correlation between classical and modern prognostic factors, angiogenesis and lymphangiogenesis in colorectal carcinomas*. Scientific supervisors: Prof. Dr. Jung Ioan, Head of Pathology Department and Doctoral School of University of Medicine and Pharmacy of Tîrgu-Mures, Romania and Prof. Dr. Szentirmay Zoltan, Head of Department of Pathology of National Institute of Oncology, Budapest, Hungary

Diploma: PhD (2008), graduated with “*summa cum laudae*”
Prize of ‘*Best Romanian PhD thesis in field of medicine*’ (CNCSIS, 2010)

Qualification: MD, PhD, Doctor in Medical Science (December 2008)

Date: University of Medicine and Pharmacy of Tîrgu-Mureş, Doctoral School –
Postdoctoral researcher (2008-2013)

Habilitation thesis: *The role of molecular pathology in the targeted therapy of cancer*

Diploma: Dr. habil (2013)

Qualification: MD, PhD, Habilitated Doctor in Medical Science,
Scientific coordinator for PhD students (July 2013)

Name and type of organization providing education and training:

University of Medicine and Pharmacy of Tîrgu-Mures, Romania

Clinical County Hospital of Tîrgu-Mures, Romania

Name and Address of Employer

1. University of Medicine, Pharmacy, Sciences and Technology, Tîrgu-Mures, Romania

540139 Gheorghe Marinescu 38 street, Tîrgu-Mures, Romania Tel: (40-265) 21 31 27

Fax: (40-265) 21 04 07 E-mail: rectorat@umftgm.ro, Website: <http://www.umftgm.ro>

2. Clinical County Emergency Hospital, Tîrgu-Mures, Romania

540139 Gheorghe Marinescu 50 street, Tîrgu-Mures, Romania

Type of business or sector: medical and academic (academic pathologist)

PERSONAL SKILLS AND COMPETENCE

Mother language: Romanian

Other languages: English (Profex Certificate in Advanced Medical English-C1)
French, Italian

Self assessment

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Oral presentation	Writing production
English	high level	high level	high level	high level	high level
French	high level	high level	beginner level	beginner level	beginner level
Italian	high level	beginner level	intermediate level	intermediate level	beginner level

Organisational skills and competence

Organizing scientific conferences (last year)

1. First International Conference on Innovations in Population Health and Personalized Medicine. Târgu Mureş, Romania – 12-13 of December 2018, organized during „Days of the University of Medicine, Pharmacy, Sciences and Technology of Targu-Mures, Romania”. 10-14 december 2018. Member in Advisory Committee.
2. The 11th Conference of PhD students and young doctors, Târgu Mureş, Romania - 11 of December 2018, organized during „Days of the University of Medicine, Pharmacy, Sciences and Technology of Targu-Mures, Romania”.
3. Scientific Session of University Academic Staff, Târgu Mureş, Romania - 13 of December 2018, organized during „Days of the University of Medicine, Pharmacy, Sciences and Technology of Targu-Mures, Romania”.
4. Zilele UMFST din Targu Mures („Days of the University of Medicine, Pharmacy, Sciences and Technology of Targu-Mures, Romania”). 10-14 december 2018. 21 EMC.16th National Symposium of Microscopic Morphology with International Participation. 23-26 mai 2018. Craiova, Romania. 2018.

Computer skills and competences

Competent with all Microsoft Office programmes and experience with HTML, data bases access, Graph Pad InStat, digital counting with Image G NIH's computer assisted programme, MedCalc statistical software, photoshop

ADDITIONAL INFORMATION

A. Member in Editorial Board

2017-present-Current Chemical Genomics & Translational Medicine-Indexed by PubMed

2017-present-Medicinski Glasnik-Indexed by Scopus

2016-present-New Horizons in Clinical Case Reports – Indexed by Scopus

2016 - present – BMJ Case Reports – Indexed by PubMed

2016-present – Clinics in Oncology – Indexed by Google Scholar

2015-2018 – Cancer Translational Medicine - Wolters Kluwer- Indexed by EBSCO

2015-present - Journal of Dermatological Research – Indexed by Google Scholar

2014-present-Medicine-Lippincott-**Academic Editor**-Impact factor 1.803

2014-present – BMC Musculoskeletal Disorders – **Associate Editor** - Impact factor 1.739
 2014-present – Acta Medica Marisiensis – **Associate Editor** - Indexed by EBSCO
 2012-present - World Journal of Clinical Cases – **Associate Editor** - Indexed by web of science
 2013-present – Edorium Journal of Pathology - Guest Editor
 2013-present – Global Journal of Oncologists – Savvy Press – Indexed by Google Scholar
 2010-present - Journal of Cancer Research and Experimental Oncology

B. PUBLICATIONS

Papers in extenso published in ISI journals.....	100
Papers in extenso published in BDI-indexed journals.....	25
Other papers published in extenso	19
Papers in abstract published in ISI journals.....	74
Papers in abstract published and presented at international conferences.....	51
Papers in abstract published and presented at national conferences.....	137
Books and chapters published in books	23
Total impact factor in extenso	164.30
Influence score in extenso.....	97.74
Impact factor in abstracts	201.59
Influence score in abstracts.....	99.12
Citations	818 (Google Scholar-26.02.2019)
Hirsh-index.....	16-Google Scholar/12-web of science

C. SCIENTIFIC PROJECTS

C.1. HEAD/TEAM COORDINATOR - NATIONAL GRANTS

1. **2018-2022** – Proiect Complex de Cercetare de Frontieră – Romanian National Authority for Scientific research - PN-III-P4-ID-PCCF-2016-0006. GRAPHSENGASTROINTEST/Stochastic sensors involved in the molecular diagnosis of upper gastrointestinal cancer. Coordinator of P2 (UMFST) team
2. **2018** – MC, UEFISCDI - PN-III-P1-1.1-MC-2018-0233 - Molecular classification of carcinomas of the gastrointestinal tract – Practical issues
3. **2017** – MC, UEFISCDI – Code: PN-III-P1-1.1-MC-2017-1950 – No 536/18.12.2017. Gastric Burkitt lymphoma: a case report and literature review.
4. **2017** – MC, UEFISCDI – Code: PN-III-P1-1.1-MC-2017-0197 – No 524/18.12.2017. Pitfalls in evaluation of gastrointestinal specimens: metastases mimicking primary tumors.
5. **2016-2019** - MECS-ANCSI. POC-A1-A1.1.4-E-2015. No 50/2016. ID: P_37_673. Tissue engineering technologies for cardiac valve regeneration VALVE REGEN. Coordinator of the team of Pathology
6. **2014-2016** - UMFTGM-PO-CC-02-F01: Molecular particularities of early-staged and advanced-gastric cancer, emphasized in surgical and biopsic specimens of patients from Eastern Europe and Japan

7. **2014-2016** - PN-II-ID-PCCE-2011-2-0036: Stem cell seeded collagen scaffolds for heart valve replacement; cod PN-II-ID-PCCE-2011-2-0036. Coordinator of the team of Pathology
8. **2012-2013** - Unesco-L'Oreal: Initiation of targeted therapy in Romanian patients diagnosed with colorectal cancer. National fellowship
9. **2010-2012** - PD, 504/2010, UEFISCDI: Molecular classification of colorectal cancers and testing of K-ras mutations, mandatory for targeted therapy
10. **2008** - TD, 355/2008, CNCSIS – The correlation between prognostic and predictive factors, angiogenesis, lymphangiogenesis and microsatellite instability in colorectal carcinomas
11. **2008** - MC, 85/2008, CNCSIS - The CD31, Endoglin and VEGF expression in non-metastatic colorectal carcinomas
12. **2007** - MD, 33/2007, CNCSIS: Angiogenesis and lymphangiogenesis in colorectal tumors
13. **2007** - TD, 550/2007, CNCSIS: Classical and modern prognostic factors in colorectal carcinomas

C.2. MEMBER IN INTERNATIONAL GRANTS

1. **2008-2009** – **Romania-South Korea**: 09/2008, ANCS: Angiogenesis in acute respiratory distress syndrome
2. **2008-2009** - **Romania-Hungary, Pecs**: 06/2008, ANCS: Mena immunoexpression in benign, premalignant and malignant epithelial lesions. NEOMENA.
3. **2008-2009** - **Romania-Hungary, Budapest**: 07/2008, ANCS: Molecular classification of carcinomas and lymphomas using genetic methods in order to anticipate the results of treatment and to make an individualizing oncotherapy. NEOLIMF.

C.3. MEMBER IN NATIONAL GRANTS

1. **2017-2018** – Hungarian Academy of Science 136/2017 – The epithelial-mesenchymal transition in tumors of the gastrointestinal tract.
2. **2016-2019** - MECS-ANCSI. POC-A1-A1.1.4-E-2015. No 51/05.09.2016. ID: P_37_674. C-reactive protein therapy for stroke-associated dementia.
3. **2015-2016** - Biosintex SRL. 11379/2015. Analysis of clinical and paraclinical parameters used for improvement of diagnostic and therapeutical management of patients with coxarthrosis.
4. **2015-2016** - PN-II-ID-PCE-2012-4-0133 „Neuroprotection and angiogenesis: new molecular factors and delivery systems with potential therapeutic application”.
5. **2014-2016** - POS 2013. Foundation of the Advanced Research Center in field of Pharmaceutical and Medical Research, at University of Medicine and Pharmacy of Tirgu-Mures, Romania. CCAMF.
6. **2014-2015** - POSDRU/159/1.5/S/136893. Identification of the particularities of hereditary and sporadic diffuse gastric cancer through molecular and

immunohistochemical examinations. Mentor.

7. **2014-2015** - Treepharm S.A. 1699/2014. The advantages and disadvantages of the ligasurterm techniques.
8. **2013-2015** - POS-UMFTGM-CC-13-01-V01, 15/2013 – Standardization of multimodal therapy of gastric cancer, correlating the sentinel node status with the surgical technique and HER-2 gene amplification
9. **2010-2013** - POSDRU/89/1.5/S/60782
10. **2008-2011** - 136/2008, CNCSIS: Mechanisms of cellular signaling implied in angiogenesis induced by Acute Respiratory Distress Syndrome (ARDS).
11. **2008-2011** - 1173/2009, CNCSIS: Pathogenic mechanisms implied in developing of insulin resistance appeared in infection with Hepatitis C virus. HEPINS.
12. **2007-2008** - 41 GR/2007, CNCSIS: Evaluation of metastasis from sentinel lymph node of breast carcinomas through interdisciplinary and multicentric studies in order to develop a new staging and new treatment
13. **2007-2008** - CP-I/13.09.2007, ANCS: Standardization of european detection and early diagnosis of cervical carcinoma and premalignant cervical lesions. EUROGYNPAT
14. **2007-2010** - **Partenership** between Universities of Medicine and Pharmacy of Targu-Mures and Timisoara, Romania. 41-054/2007, ANCS: Prognostic and therapeutich value of tumoral lymphangiogenesis. Anatomic-clinic and experimental study in solid malignant tumors.
15. **2007-2008** - 227/2006, CEEEX: Modern methods in diagnosis and research, immunohistochemistry, molecular biology and quality control. MEMODIC.

D. PROFESSIONAL SCIENTIFIC AWARDS

F.1. INTERNATIONAL AWARDS (last year)

1. **2018**-Certificate of excellence in reviewing for Molecular Medicine Reports. Spandidos Publications
2. **IAP bursary** travel award for the 2018 Dead Sea Jordan Congress (International Academy of Pathology). The XXXII Congress of the International Academy of Pathology. 14-18 October 2018. Dead Sea – Jordan
3. **Awarded poster presentation** - 44th Annual Meeting of Korean Cancer Association and 4th International Cancer Conference. June 21-22, 2018. Seoul, Korea. Banias L, Jung I, Bara T, Bara T Jr., Gurzu S. Epithelial-mesenchymal transition aspects in colorectal mixed adenoneurondocrine carcinomas (MANEC).

F.2. NATIONAL AWARDS (last two years)

1. **ISI-awarded manuscript** – Gurzu S, Banias L, Bara T, Feher I, Bara T Jr., 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 Patents on Anti-cancer Drug Discovery. 2018. 13(1):118-124. UEFISCDI code PN-III-P1-1.1-PRECISI-2018-22905.

2. **ISI-awarded manuscript** – Gurzu S, Bara T, Bara T Jr., Turcu M, Mardare CV, Jung I. Gastric Burkitt lymphoma: a case report and literature review. *Medicine (Baltimore)*. 2017. 96(49):e8954. UEFISCDI code PN-III-P1-1.1-PRECISI-2018-22914.
3. **ISI-awarded manuscript** – Gurzu S. The Medical Jungle. *Journal of Religion and Health*. Ed. Springer. 2017. 56:2061-2062. UEFISCDI code PN-III-P1-1.1-PRECISI-2017-20325.
4. **ISI-awarded manuscript** – Gurzu S, Orlowska J, Sugimura H, Bara T, Szentirmay Z, Januszewicz W, Bara T Jr., Szederjesi J, Jung I. Immunohistochemical features and staging of early gastric cancer. *Archives of Medical Science*. 2017. 13(6):1373-1382. UEFISCDI code PN-III-P1-1.1-PRECISI-2017-20891.
5. **ISI-awarded manuscript** - Kovacs A, Jung I, Szentirmay Z, Bara T, Bara T jr., Popa D, Gurzu S. PKC θ utility in diagnosing c-KIT/DOG-1 double negative gastrointestinal stromal tumors. *Oncotarget*. 2017. 8(34): 55950-55957. UEFISCDI code PN-III-P1-1.1-PRECISI-2017- 17704.
6. **ISI-awarded manuscript** – Gurzu S, Sugimura H, Orlowska J, Szederjesi J, Szentirmay Z, Bara T, Bara T Jr., Fetyko A, Jung I. Proposal of a Dukes-MAC-like staging system for gastric cancer. *Journal of Investigative Medicine*. 2017. 65(2):316-322. UEFISCDI code PN-III-P1-1.1- PRECISI-2017- 17116.
7. **ISI-awarded manuscript** - Gurzu S, Turdean SG, Pop ST, Zazgyva A, Roman CO, Opris M, Jung I. Different synovial vasculogenic profiles of primary, rapidly destructive and osteonecrosis-induced hip osteoarthritis. An immunohistochemistry study. *International Orthopedics*. 2017. 41(6):1107-1112. UEFISCDI code PN-III-P1-1.1-PRECISI-2017- 14699.
8. **ISI-awarded manuscript** - Fodor D, Gurzu S, Contac AO, Jung I. Giant hepatic metastasis in a patient with coin-like small cell lung carcinoma incidentally diagnosed at autopsy. A case report. *Medicine (Baltimore)*. 2017. 96(11):e6366. UEFISCDI code PN-III-P1-1.1- PRECISI-2017- 17120.
9. **ISI-awarded manuscript** – Turdean SG, Jung I, Gurzu S, Zazgyva A, Fetyko A, Roman CO, Turcu M, Pop ST. Histopathological evaluation and expression of the pluripotent mesenchymal stem cell-like markers CD105 and CD44 in the synovial membrane of patients with primary versus secondary hip osteoarthritis. *Journal of Investigative Medicine* 2017; 65(2):363-369. UEFISCDI code PN-III-P1-1.1- PRECISI-2017- 17177.
10. **ISI-awarded manuscript** – Zazgyva A, Gurzu S, Jung I, Gergely I, Roman CO, Pop TS. Clinico-radiological diagnosis and grading of rapidly progressive osteoarthritis of the hip. *Medicine (Baltimore)*. 2017; 96(12):e6395. UEFISCDI code PN-III-P1-1.1- PRECISI-2017- 14678.

E. REVIEWER (current year)

- 2019** - *Medicine*. Impact factor 2.028 – **Academic editor**
 - *BMC Musculoskeletal Disorders*. Impact factor 1.998 – **Academic editor**
 - *Aging*. IF 5.179
 - *Scientific Reports*. IF 4.122
 - *European Journal of Surgical Oncology (EJSO)*. IF 3.688
 - *World Journal of Gastroenterology*. Impact factor 3.365
 - *Plos One*. IF 2.76

- World Journal of Clinical Cases. IF 1.913
- Experimental and Therapeutic Medicine. IF 1.41
- Clinical Case Reports. Indexed by web of science
- Journal of Pathology Informatics. Indexed by PubMed

F. INVITED SPEAKER – NATIONAL AND INTERNATIONAL CONFERENCES

F.1. INTERNATIONAL CONFERENCES (last two years)

1. **Gurzu S**, Jung I. The role of pathologist in molecular classification of gastric carcinomas. BIT's 10th Annual World DNA and Genome Day. 25-27 April 2019, Nanjing, China
2. **Gurzu S** et al. Gastrointestinal cancer and tumor microenvironment. The 23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine. 20-22 September 2018. Athens-Greece
3. **Gurzu S**, Jung I. Molecular classification of carcinomas of the gastrointestinal tract – practical issues. BIT's 9th Annual World DNA and Genome Day. 25-27 April 2018, Dalian, China

F.2. NATIONAL CONFERENCES (last year)

1. Gurzu S, Beleaua MA, Jung I. The role of tumor microenvironment in development and progression of malignant melanomas – A systematic review. Al XVI-lea Simpozion National de Morfologie Microscopica cu participare internationala, Craiova, 23-26 mai 2018. Craiova, Romania. 2018.

Date,
02/26/2019

Signature,
Prof. Dr. Habil. Simona Gurzu