

Prof. RNDr. SARKA POSPISILOVA, Ph.D.

Resume summary

Principal investigator, researcher and diagnostician with extensive expertise in molecular hematology and oncology, genetics and genomics. Renowned expert on TP53 antioncogene and its role in chronic lymphocytic leukemia pathogenesis, with 20 years of documented research interest in applications of genomic approaches in hematological research and diagnostics. Co-author of 218 scientific publications and 7 patents. Board member of European Research Initiative on CLL (ERIC), EHA – SWG member, country representative in EU Initiative 1+ Million Genomes and board member in major National Consortia focusing on hematology (Czech Hematological Society, Czech Society on Chronic Lymphocytic Leukemia...).

Current positions

- Vice-rector of Masaryk Univerzity (MU) in Brno (CZ) for research and doctoral studies
- Head of the Center of Molecular Medicine, Central European Institute of Technology (CEITEC)
- Head of the Center of Molecular Biology and Genetics, Dept. of Internal Medicine – Hematology and Oncology, Medical Faculty MU and Univerzity Hospital Brno
- Head of the Dept. of Medical Genetics and Genomics, Medical Faculty MU and Univ. Hospital Brno

Research specialization

- Molecular hematology and oncology, molecular and cellular biology, genetics and genomics of hematological malignancies (analysis of germinal and somatic changes in the genomes of hematological patients, with major focus on chronic lymphocytic leukemia)
- Analysis of the role of TP53 abnormalities in chronic lymphocytic leukemia, coordinator of ERIC TP53 Network, co-author of „ERIC Recommendations on TP53 analysis in CLL“
- Coordinator of the project „ACGT – Analysis of Czech Genomes for Theranostics“ and national representative in the European Initiative „1 milion+ European Genomes“

Organization of International Conferences

- 2017 2nd ERIC International Meeting on Antioncogene TP53 analysis in leukemia, Stressa, Italy
- 2015 1st ERIC International Meeting on Antioncogene TP53 analysis in leukemia, Brno, CR
- 2015 EMBL course „Analysis of small non-coding RNAs: per aspera ad astra“, MU, Brno, CR
- 2013 5th IgCLL Workshop on Immunoglobulin Sequence Analysis in CLL, Brno, CR

Membership in Relevant National and International Collaborations

ERIC – European Research Initiative on CLL	Member of the ERIC Board
Masaryk University	Scientific board member
Czech Hematological Society	Board member
Czech Society on Chronic Lymphocytic Leukemia	Board member and vice-chair for science
Czech Society for Gene and Cellular Therapy	Board member

Publication summary

No. of papers	218
# of citations (WoS)	>4600
H-index (WoS)	39

Major Research Grants

Investigator / co-investigator of 7 European Horizon projects:
H2020 Twinning project MEDGENET - Medical genomics and epigenomics network (coordinator);
H2020 – IMI2 – HARMONY; H2020 - HARMONY PLUS; H2020 MyPal;
H2020, MARIE SKŁODOWSKA-CURIE ACTIONS – ALKATRAS;
HORIZON 2020, Erasmus+ Key Action 2 – NEMHESYS; 7th FP EC - NGS-PTL.
Investigator of other 30 research grants (AZV MH CR, GACR, TACR, MEYS CR, MPO CR...)