



### Příloha č. 3: Publikace vztahující se k tématu disertace

Příjmení, jméno, titul, uço:	RNDr. Ivana Ihnatová, Ph.D.
Program/ obor:	Onkologie
Školitel:	doc. RNDr. Ladislav Dušek, Ph.D.
Školící pracoviště:	Institut biostatistiky a analýz Lékařské fakulty
Název disertační práce:	Vývin metody pre analýzu molekulárných dráh v genomických experimentoch
Jazyk disertační práce:	slovenština
Datum obhajoby:	15. 1. 2018

#### Originální práce s IF<sup>1</sup>

##### A. Prvoautorské

1. **Ihnatova Ivana**, Budinska Eva. ToPASEq: an R package for topology-based pathway analysis of microarray and RNA-Seq data *BMC Bioinformatics*. 2015;16:350.

IF	Q WOS <sup>2</sup>	WOS kategorie
2,435	Q1	Mathematical and computer biology

2. **Ihnatova Ivana**, Vlad Popovici, Eva Budinska. A critical comparison of topology-based pathway analysis methods *Plos One*. 2018

IF	Q WOS	WOS kategorie
2,766	Q1	Multidisciplinary sciences

##### B. Spoluautorské

1. Kryukov Fedor, Nemeč Pavel, Demytyeva Elena, Kubiczkova Lenka, **Ihnatova Ivana**, Budinska Eva, Jarkovsky Jiri, Sevcikova Sabina, Kuglik Petr, Hajek Roman. Molecular heterogeneity and centrosome-associated genes in multiple myeloma *Leukemia & Lymphoma*. 2013;54:1982-1988.

IF	Q WOS	WOS kategorie
2,58		

2. Demytyeva Elena, Kryukov Fedor, Kubiczkova Lenka, Nemeč Pavel, Sevcikova Sabina, **Ihnatova Ivana**, Jarkovsky Jiri, Minarik Jiri, Stefanikova Zdena, Kuglik Petr, Hajek Roman. Clinical implication of centrosome amplification and expression of centrosomal functional genes in multiple myeloma *Journal of Translational Medicine*. 2013;11:77.

IF	Q WOS	WOS kategorie
3,46		

3. Bibliografický záznam práce Smetana Jan, Kryukova Elena Vladimirovna, Kryukov Fedor, Nemeč Pavel, Grešlikova Henrieta, Kupska Renata, Mikulašova Aneta, **Ihnatova Ivana**, Hajek Roman, Kuglik Petr. Incidence of cytogenetic aberrations in two B lineage

<sup>1</sup> Impact Factor.

<sup>2</sup> Impact Factor Quartile.

subpopulations in multiple myeloma patients analyzed by combination of whole-genome profiling and FISH Neoplasma. 2014;61:48-55.

IF	Q WOS	WOS kategorie
1,57		

4. Bouchal Pavel, Dvořáková Monika, Roumeliotis Theodoros, Bortlíček Zbyněk, **Ihnatová Ivana**, Procházková Iva, Ho Jenny T. C., Maryáš Josef, Imrichová Hana, Budinská Eva, Vyzula Rostislav, Garbis Spiros D., Vojtěšek Bořivoj, Nenutil Rudolf. Combined Proteomics and Transcriptomics Identifies Carboxypeptidase B1 and Nuclear Factor  $\kappa$ B (NF- $\kappa$ B) Associated Proteins as Putative Biomarkers of Metastasis in Low Grade Breast Cancer *Molecular & Cellular Proteomics*. 2015;14:1814-1830.

IF	Q WOS	WOS kategorie
7,25		

5. Garlíková Zuzana, Silva Ana, Rabata Anas, Potěšil David, **Ihnatová Ivana**, Dumková Jana, Koledová Zuzana, Zdrahál Zbyněk, Vinarský Vladimír, Hampl Aleš, Pinto-do-Ó Perpétua, Nascimento Diana Santos. Generation of a close-to-native in vitro system to study lung cells-ecm crosstalk *Acta Biomaterialia*.

IF	Q WOS	WOS kategorie
6,008		

## Další publikace

Abstrakta
Mohelnikova-Duchonova Beatrice, Brynychova Veronika, <b>Ihnatova Ivana</b> , Oliverius Martin, Hlavsa Jan, Mazane Jan, Honsova Eva, Kala Zdenek, Soucek Pavel. Associations of Kras and Hedgehog signaling pathways and their role in pancreatic cancer <i>Pancreatology</i> . 2014; T-064.
Bouchal Pavel, Dvořáková Monika, Roumeliotis Theodoros, Bortlíček Zbyněk, <b>Ihnatová Ivana</b> , Procházková Iva, Ho JTC, Maryáš Josef, Imrichová Hana, Budinská Eva, Vyzula Rostislav, Garbis Spiros D, Vojtěšek Bořivoj a Nenutil Rudolf. Combined proteomics and transcriptomics identifies carboxypeptidase B1 and NF-kappa B associated proteins as putative biomarkers of metastasis in low grade breast cancer <i>European Journal of Cancer</i> . 2015;51:S24-S25.
Demytyeva Elena Vladimirovna, Kryukov Fedor, Kubiczková Lenka, Němec Pavel, Ševčíková Sabina, <b>Ihnatová Ivana</b> , Jarkovský Jiří, Minařík Jiří, Štefaníková Zdena, Kuglík Petr, Hájek Roman. Clinical implication of centrosome amplification and expression of centrosomal functional genes in multiple myeloma in <i>7th Myeloma Workshop</i> 2012.
Němec Pavel, Kryukov Fedor, Demytyeva Elena Vladimirovna, <b>Ihnatová Ivana</b> , Jarkovský Jiří, Kuglík Petr, Hájek Roman. Molecular signature of centrosomal abnormalities in multiple myeloma in <i>Bridging The Gap 2012: Hematologic Malignancies: Meeting &amp; Abstract Book</i> 2012.
Kryukov Fedor, Němec Pavel, Demytyeva Elena Vladimirovna, Kubiczková Lenka, <b>Ihnatová Ivana</b> , Budinská Eva, Jarkovský Jiří, Ševčíková Sabina, Kuglík Petr, Hájek Roman. Determining of molecular signature for centrosome abnormalities in multiple myeloma in <i>17th Congress of the European Hematology Association</i> 2012.
Bouchal Pavel, Dvořáková Monika, Roumeliotis Theodoros, Bortlíček Zbyněk, <b>Ihnatová Ivana</b> , Ho JTC, Struhárová Iva, Budinská Eva, Vyzula Rostislav, Garbis Spiros G, Vojtěšek Bořivoj, Nenutil Rudolf. Molecular players in lymph node metastasis of low grade breast cancer: From proteomics-based target discovery to functional characterization in <i>3rd RECAMO joint meeting - role of p53, MDM2, AGR2/3 and ubiquitin/chaperone system in tumour biology</i> 2012.
Němec Pavel, Kryukov Fedor, Demytyeva Elena Vladimirovna, Smetana Jan, <b>Ihnatová Ivana</b> , Pour Luděk, Kuglík Petr, Hájek Roman. Effect of DNA Dosage into Gene Expression in Patients with Multiple Myeloma in <i>14th International Myeloma Workshop</i> 2013.
<b>Ihnatová Ivana</b> . Topology Incorporating Pathway Analysis of Expression Data: An Evaluation of Existing Methods in <i>13.ročník ITAT</i> 2013.
<b>Ihnatova Ivana</b> , Budinska Eva. Topology-based pathway analysis of microarray and RNA-seq data: an evaluation of existing methods in <i>ICSB 2014</i> 2014.

Bouchal Pavel, Dvořáková Monika, Roumeliotis Theodoros, Bortlíček Zbyněk, **Ihnatová Ivana**, Struhárová Iva, Budinská Eva, Garbis Spiros G, Vojtěšek Bořivoj a Nenutil Rudolf. A novel panel of proteins correlating with lymph node metastasis of low-grade breast cancer as identified by combined proteomics and transcriptomics approach, 2014.