BIOGRAPHICAL SKETCH TASCHNER-MANDL

PERSONAL INFORMATION

Name:	Sabine, TASCHNER-MANDL, PhD
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HIGHER EDUCATION

2001 – 2006	PhD, Institute for Immunology, Medical University of Vienna, Austria With Prof. Herbert Strobl, MD, PhD; passed with distinction
1993 – 2001	MSc/MA, Masters program Microbiology and Genetics at the University of Vienna, Austria

APPOINTMENTS/ POSITIONS

Since 2018	PI, Children´s Cancer Research Institute/Labdia, Vienna, Austria
2016 – 2018	Senior Scientist, Children´s Cancer Research Institute, Vienna, Austria
2016	Visiting Scientist at Significo, Helsinki, Finland (within the EC-FP7 Marie Curie program)
2008 – 2016	Research Scientist/Post doctoral fellow with Peter Ambros, Department for Tumor Biology, CCRI, Vienna
2007 – 2008	Post doctoral fellow with Herbert Strobl, Institute for Immunology, Medical University of Vienna
2001 – 2006	PhD candidate, Institute for Immunology, Medical University of Vienna
1999 – 2001	Undergraduate studies/research at Intercell/University of Vienna with A. v. Gabain, M. Birnstiel

FELLOWSHIPS AND AWARDS

2014, 2017	SIOPEN Best Presentation

SELECTED MEMBERSHIPS

Since 2008	SIOPEN International Society of Pediatric Oncology Europe Neuroblastoma
Since 2016	ANRA Advances in Neuroblastoma Research Association

SELECTED THIRD PARTY FUNDS/ONGOING PROJECTS

04.2019 – 03.2022	Era-Net, Transcan-2, LIQUIDHOPE, € 250.000, national coordinator
03.2019 – 02.2022	WWTF, Ultra-High-Risk Pediatric Cancer, € 799.000, coordinator
11.2017 – 10.2019	FFG, VISIOMICS, € 910.000, coordinator
06.2016 – 10.2016	EC-FP7 Marie-Curie, Modicell, Secondment Fellowship
06.2014 – 05.2017	FFG, EraSME, TisQuant, co-applicant
04.2015 – 09.2016	Herzfeldersche Familienstiftung, Regulation of the MYCN oncogene by nuclear lamina proteins upon therapy-induced senescence in aggressive neuroblastoma, € 45.000, coordinator
05.2012 – 04.2014	Herzfeldersche Familienstiftung, € 53.000, coordinator

SELECTED COLLABORATION PARTNERS

- Christian Ostalecki, Head MELC facility, Melanoma, Uniklinikum Erlangen, Germany
- Hedwig Deubzer, Pediatric cancers and liquid biopsy, Charité, Berlin, Germany
- Gudrun Schleiermacher, Neuroblastoma biology, Inst. M. Curie, Paris, France

PROFESSIONAL AND SCHOLARLY ACTIVITIES

Reviewing for JCO, Oncotarget, Ped Blood and Canc etc, teaching at Medical University of Vienna
SIOPEN Biology Speciality Committee Secretary

CAREER BREAKS (if applicable)

10.2006 – 03.2007	maternity leave
11.2008 – 08.2009	maternity leave

PUBLICATION SUMMARY

17 peer reviewed publications/proceedings, 1 review, 2 books/book chapters, cited 330 times (without self-citations), h-index 9 (as of 03.2019, google scholar), 2 patents

TOP 10 SELECTED PEER-REVIEWED PUBLICATIONS (*most relevant to proposal)

1. DEEPSNP: AN END-TO-END DEEP NEURAL NETWORK WITH ATTENTION-BASED LOCALIZATION FOR BREAKPOINT DETECTION IN SINGLE-NUCLEOTIDE POLYMORPHISM ARRAY GENOMIC DATA. Eghbal-Zadeh H., Fischer L., Popitsch N., Kromp F., **Taschner-Mandl S**., Gerber T., Bozsaky E., Ambros P.F., Ambros I.M., Widmer G., Moser B.A., J. Computational Biology. **2018** Dec 26. https://doi.org/10.1089/cmb.2018.0172

2. NEUROBLASTOMA CELLS UNDERGO TRANSCRIPTOMIC ALTERATIONS UPON DISSEMINATION INTO THE BONE MARROW AND SUBSEQUENT TUMOR PROGRESSION. Rifatbegovic F, Frech C, Abbasi MR, **Taschner-Mandl S**, Weiss T, Schmidt WM, Schmidt I, *Ladenstein R, Ambros* IM, Ambros PF. Int J Cancer. **2017** Sep 16. doi: 10.1002/ijc.31053

3. *EVALUATION OF INFLAMMATION-RELATED SIGNALING EVENTS COVERING PHOSPHORYLATION AND NUCLEAR TRANSLOCATION OF PROTEINS BASED ON MASS SPECTROMETRY DATA. Bileck A, Mayer RL, Kreutz D, Weiss T, **Taschner-Mandl S**, Meier SM, Slany A, Gerner C. J Proteomics. **2017** Jan 30;152:161-171.

4. *PROTEOMICS AND TRANSCRIPTOMICS OF PERIPHERAL NERVE TISSUE AND CELLS UNRAVEL NEW ASPECTS OF THE HUMAN SCHWANN CELL REPAIR PHENOTYPE. Weiss T*, **Taschner-Mandl S***, Bileck A, Slany A, Kromp F, Rifatbegovic F, Frech C, Windhager R, Kitzinger H, Tzou CH, Ambros PF, Gerner C, Ambros IM. Glia. **2016** Dec;64(12):2133-2153. doi: 10.1002/glia.23045. *contributed equally

5. *MACHINE LEARNING FRAMEWORK INCORPORATING EXPERT KNOWLEDGE IN TISSUE IMAGE ANNOTATION., Kromp F., Ambros I., Weiss T., Bogen D., Dodig H., Berneder M., Gerber T., **Taschner-Mandl S**., Ambros P. F., Hanbury A. IEEE International Conference on Pattern Recognition, **2016**.

6. *METRONOMIC TOPOTECAN IMPEDES TUMOR GROWTH OF *MYCN*-AMPLIFIED NEUROBLASTOMA CELLS IN VITRO AND IN VIVO BY THERAPY INDUCED SENESCENCE. **Taschner-Mandl** S, Schwarz M, Blaha J, Kauer M, Kromp F, Frank N, Rifatbegovic F, Weiss T, Ladenstein R, Hohenegger M, Ambros IM, Ambros PF. Oncotarget. **2016** Jan 19;7(3):3571-86. doi: 10.18632/oncotarget.6527.

7. AURORA B KINASE IS A POTENT AND SELECTIVE TARGET IN MYCN-DRIVEN NEUROBLASTOMA. Bogen D, Wei JS, Azorsa DO, Ormanoglu P, Buehler E, Guha R, Keller JM, Mathews Griner LA, Ferrer M, Song YK, Liao H, Mendoza A, Gryder BE, Sindri S, He J, Wen X, Zhang S, Shern JF, Yohe ME, **Taschner-Mandl** S, Shohet JM, Thomas CJ, Martin SE, Ambros PF, Khan J. Oncotarget. **2015** Nov 3;6(34):35247-62. doi: 10.18632/oncotarget.6208.

8. ENRICHED BONE MARROW DERIVED DISSEMINATED NEUROBLASTOMA CELLS CAN BE A RELIABLE SOURCE FOR GENE EXPRESSION STUDIES-A VALIDATION STUDY. Rifatbegovic F, Abbasi MR, **Taschner-Mandl** S, Kauer M, Weinhäusel A, Handgretinger R, Ambros PF. PLoS One. **2015** Sep 11;10(9):e0137995. doi: 10.1371/journal.pone.0137995. eCollection 2015.

9. *CLASSIFICATION OF CELLULAR POPULATIONS USING IMAGE SCATTER-PLOTS; Kromp F, Reiter M, **Taschner-Mandl S**, Ambros PF, Hanbury A. **2015**. 20th Computer Vision Winter Workshop.

10. *SEMI-AUTOMATED SEGMENTATION OF NEUROBLASTOMA NUCLEI USING THE GRADIENT ENERGY TENSOR: A USER DRIVEN APPROACH. Kromp F, **Taschner-Mandl S**, Schwarz M, Blaha J, Weiss T, Ambros PF, Reiter M. **2015**. in Seventh International Conference on Machine Vision (ICMV 2014), Proceedings of SPIE Vol. 9445

11. DOWN-REGULATION OF RXRALPHA EXPRESSION IS ESSENTIAL FOR NEUTROPHIL DEVELOPMENT FROM GRANULOCYTE/MONOCYTE PROGENITORS; **Taschner S**, Kösters C, Platzer B, Jörgl A, Ellmeier W and Strobl H,. Blood, **2007** Feb 1;109(3):971-9