



Universiteit
Leiden
The Netherlands

Regulation of inflammation in uveal melanoma

Souri, Z.

Citation

Souri, Z. (2021, September 14). *Regulation of inflammation in uveal melanoma*. Retrieved from <https://hdl.handle.net/1887/3210126>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3210126>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <https://hdl.handle.net/1887/3210126> holds various files of this Leiden University dissertation.

Author: Souri, Z.

Title: Regulation of inflammation in uveal melanoma

Issue Date: 2021-09-14

List of publications

1. HLA expression in Uveal Melanoma: an indicator of malignancy and a modifiable immunological target

Z. Souri, A.P.A. Wierenga, A. Mulder, A.G. Jochemsen, M. J. Jager.

Cancers 2019, 11, 1132-1150. Doi: 10.3390/cancers11081132.

2. Loss of BAP1 is associated with upregulation of the NFkB pathway and increased HLA Class I expression in Uveal Melanoma

Z. Souri, A.P.A. Wierenga, C. van Weeghel, P.A. van der Velden, W.G.M. Kroes, G.P.M.

Luyten, S.H. van der Burg, A.G. Jochemsen, M.J. Jager.

Cancers 2019, 11, 1102-1118. Doi: 10.3390/cancers11081102.

3. HDAC inhibition increases HLA Class I expression in Uveal Melanoma

Z. Souri, A.G. Jochemsen, M. Versluis, A.P.A. Wierenga, F. Nemati, P. A. van der Velden, W. G.M. Kroes, R.M. Verdijk, G.P.M. Luyten, M.J. Jager.

Cancers 2020, 12, 3690-3704. Doi: 10.3390/cancers12123690.

4. Expression of HDACs 1, 3, and 8 is upregulated in the presence of infiltrating lymphocytes in Uveal Melanoma.

Z. Souri, A.G. Jochemsen, A.P. A. Wierenga, W.G. M. Kroes, R.M. Verdijk , P.A. van der Velden, G.P. M. Luyten and M.J. Jager.

Cancers 2021

5. MiRNAs correlate with HLA expression in Uveal Melanoma: both up- and downregulation are related to Monosomy 3

Z. Souri, A.P. A. Wierenga, E. Kiliç, E. Brosens, S. Böhringer, W.G.M. Kroes, R.M. Verdijk, P.A. van der Velden, G.P. M. Luyten and M.J. Jager.

Cancers 2021

6. LAG3 and its Ligands show increased Expression in High Risk Uveal Melanoma

Z. Souri, A.P.A. Wierenga, W.G.M. Kroes, P.A. van der Velden, R.M. Verdijk, M. Eikmans, G.P.M. Luyten and M.J. Jager.

Under review

List of presentations

1. Regulation of PD-L1 in uveal melanoma

Z. Souri, A.P.A. Wierenga, M.J Spruyt- Gerritse, M. Eikmans, M.J. Jager.
The Association for Research in Vision and Ophthalmology (ARVO 2019)

2. HDAC inhibitor Quisinostat upregulates HLA Class I expression in Uveal Melanoma cell lines

Z. Souri, M. Vesluis, A.P.A. Wierenga, P.A. van der Velden, G.P.M. Luyten, A.G. Jochemsen, M.J. Jager.
Dutch Ophthalmology PhD student congress (DOPS 2020)

3. HDAC expression in uveal melanoma

Z. Souri, R.M. Verdijk, G.P.M. Luyten, M.J. Jager.
Universal Scientific Education and Research Network (USERN2020)

4. Inflammation-related MiRNAs are associated with Monosomy 3 in Uveal Melanoma.

Z. Souri, P.A. van der Velden, G.P.M Luyten, M.J. Jager.
“Gold Medal”
European Association for Vision and Eye Research (EVER 2020)

5. HDAC and HLA Class I expression in uveal melanoma.

Z. Souri, A.G. Jochemsen, R.M. Verdijk, P.A. van der Velden, G.P.M Luyten, M.J. Jager.
European Association for Vision and Eye Research (EVER2020)

6. HDAC inhibitors in UM

Z. Sourj, A.G. Jochemsen, M.J. Jager.

The 10th annual meeting of the Iranian Research Association for Vision and Ophthalmology (Iravo 2021)

7. Expression of Immune checkpoint LAG3 is associated with high risk uveal melanoma

Z. Sourj, A.P.A. Wierenga, G.P.M Luyten, M.J. Jager.

The Association for Research in Vision and Ophthalmology (ARVO 2021).

8. Relation between Histone deacetylase expression in uveal melanoma and the presence of infiltrating leukocytes

Z. Sourj, A.G. Jochemsen, R.M. Verdijk, M.J. Jager

European Association for Vision and Eye Research (EVER2021).

Acknowledgements (Dankwoord)

It all started with sending an email to Professor Dr. Martine J. Jager. After several months I saw myself waving goodbye to my family and landing in a flat green country with rain in the summer; it was then that my exciting journey began...

When I look back I am very happy that I decided to study in The Netherlands; besides all beauty of the country, I met a wonderful, friendly group of experts in my life who I would like to give my deepest appreciation to.

Dear Professor Jager, I am truly grateful for having the chance to be one of your students. Your immense knowledge always encouraged me to do more during my PhD. You were my biggest supporter in the Netherlands. You taught me a lot, both in personal and scientific aspects; you inspired me to present myself as a strong lady, showed me how to be precise and creative and helped me to reach my goal. Thank you for always going above and beyond to ensure the success of our projects. I will miss you so much.

I would like to give a special thanks to Dr Aart G. Jochemsen; dear AG, you showed me so many useful skills while working with the cells; without your great advice during my experiments, my results would not have been produced so smoothly.

I wish to show my gratitude to Professor Dr. Gre Luyten. It was an honor for me to be a member of your department. You were always very kind to me; you taught me how one could have a superb position and be friendly with the staff at the same time!

Dr Pieter A. van der Velden and Dr Robert M. Verdijk thank you very much for all your great points of view, making my papers better and better each time by teaching me how to think deeper and consider different aspects during a study.

Special thanks to Dr. Annemijn P.A. Wierenga and Dr. Maria Chiara Gelmi for accepting to be my paranymphs! Dear friends, we had a lot of fun together and I am so happy that I met you. I will miss you so much and hope to see you again!

I would like to show my great appreciation to Dr. Mieke Versluis. Dear Mieke thank you so much for taking the time to show me the necessary techniques during my experiments.

And all other friends and colleagues in LUMC, I thank you very much for making this such a wonderful place to work every day.

Getting through my PhD required more than academic support, therefore, I would like to express my appreciation to the Iranian Ministry of Science Research and Technology.

I would like to express my gratitude to Professor Dr. Abolghasem Esmaeili my scientific advisor and all staff members of the Cell and Molecular Biology Department of University of Isfahan.

Last but not least, my family members. My dear father, Professor Dr. Manouchehr Souri and my mother Katrin, my amazing brothers Dr. Amir Mohammad Souri together with his family and Mohammad Amin Souri, words won't be enough to express how thankful I am; thank you for giving me the power to decide; for being available for me in every single second; I always felt you by my side. I would never have been able to reach my goal without having you in my life.

I was thousands of kilometers away from home, but I made it and it is all because I had all you precious and wonderful people in my life, which I am very grateful for.

Now I exactly understand what it means when it is said that time flies!

I guess it's time for me to begin my next chapter of life...

Sincerely,

Zahra Souri

Leiden 2021

Curriculum vitae

The author of this thesis was born on March 26th, 1989 in Kermanshah, Iran. In 2008, after finishing her high school education in the field of Science at the Razi University high school in Kermanshah, she decided to study Animal Biology at the Department of Biology, Razi University. The author obtained her BSc degree in 2012, and was subsequently admitted to the Master's program in the field of Cell and Molecular Biology from the Iranian Ministry of Science, Research and Technology. After completion of her Master's degree in 2014, she decided to participate in the Iranian PhD national exam implemented by the Ministry of Science, Research and Technology and became 2nd place in approximately 400 participants in the field of Cell and Molecular Biology; with this score, she was admitted to a PhD position at the Department of Cell and Molecular Biology of Isfahan University in 2015; moreover she was awarded an international PhD scholarship. In August 2017, she eventually decided to come to The Netherlands and started her new journey at the Ophthalmology Department of Leiden University Medical Center under Professor Martine Jager's supervision.

During her PhD, the author had the opportunity to introduce and present her work at congresses held in Europe (Ever 2020, Ever 2021), Asia (USERN 2020, IRAVO 2021) and the United States (ARVO 2019, 2021) and received a gold medal from the European Association for Eye and Vision Research (EVER 2020).

Upon completion of her PhD program, the author will go back to Iran where she will be enrolled as an assistant professor at the University of Isfahan and continue her scientific research.

