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Identification of therapeutic targets and antisense oligonucleotide mediated exon skipping based therapies in arthritis

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Seda was born on the 28th of April 1979 in Ankara, Turkey. She studied Biology at the Middle East Technical University (METU), Ankara, Turkey between 1999-2004. Immediately after her graduation in 2004, she started her masters at the Biotechnology Department of the Middle East Technical University. She conducted her research in the Molecular Biology and Genetics Lab under supervision of Prof. Mahinur S. Akkaya. In 2008 she started her PhD at the Department of Human Genetics, in Leiden University Medical Centre (LUMC), Leiden, The Netherlands. She was in the group of Assoc.Prof. Sjeef Verbeek and completed her research in 2013. Since 2014 she has been working at ProQR Therapeutics as a Scientist.

List of publications

LIST OF PUBLICATIONS

A. Seda Yilmaz-Elis, Javier Martin Ramirez, Patrick Asmawidjaja, Anne-Marie Mus, Jos van der Kaa, Maarten D. Brem, Jill W. C. Claassens, Cor Breukel, Conny Brouwers, Sara Mangsbo, Peter Boross, Eric Lubberts, J. Sjeff Verbeek, *FcγRIIb on myeloid cells rather than on B cells protects from collagen induced arthritis*, Journal of Immunology, May 19, 2014, doi: 10.4049/jimmunol.1303272

A.Seda Yilmaz-Elis, Annemieke Aartsma-Rus, Peter A C 't Hoen, Huma Safdar, Cor Breukel, Bart JM van Vlijmen, Judith van Deutekom, Sjeff de Kimpe, Gert-Jan van Ommen, J Sjeff Verbeek, *Inhibition of IL-1 Signaling by Antisense Oligonucleotide Mediated Exon Skipping of IL-1Receptor Accessory Protein (IL-1RAcP)*, Mol Ther Nucleic Acids. 2013 January; 2(1)

A.Seda Yilmaz-Elis, Annemieke Aartsma-Rus, Anne Vroon, Judith van Deutekom, Sjeff de Kimpe, Peter A C 't Hoen, Gert-Jan van Ommen, J Sjeff Verbeek, *Antisense oligonucleotide mediated exon skipping as a potential strategy for the treatment of a variety of inflammatory diseases such as rheumatoid arthritis*, Ann Rheum Dis 2012;71:i75-i77

A.Seda Yilmaz-Elis, J. Sjeff Verbeek, Exon Skipping: Methods and Protocols, *Antisense-mediated Exon Skipping to Generate Soluble Receptors*, Chapter 15, Volume: 867, 2012: 209-220

Robert M. Hoek, Daphne de Launay, Else N. Kop, **A. Seda Yilmaz-Elis**, Feng Lin, Kris A. Reedquist, J. Sjeff Verbeek, M. Edward Medof, Paul P. Tak, Jörg Hamann, *Deletion of either CD55 or CD97 ameliorates arthritis in mouse models*, ARTHRITIS & RHEUMATISM, Vol. 62, No. 4, April 2010, pp 1036–1042

Karpus, N. O., Kiener, P.H., Niederreiter, B., **Yilmaz-Elis, A.S.**, van der Kaa, J., Ramaglia, V., Arens, R., Smolen, S.J., Botto, M., Tak, P.P., Verbeek, J.S and Hamann, J. (2015). *CD55 deposited on synovial collagen fibers protects from immune complex-mediated arthritis*. Arthritis Research & Therapy, 2015 Jan 17;17(1):

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