

Abstract poster/Oral presentations 2018

1. 13th Congress of the European Crohn's and Colitis organization February 14th-17th, 2018, Vienna, Austria.

Oral Presentations

Maria E. Joosse, Fabienne Charbit-Henrion, Rolien (H.) C. Raatgeep, Dicky J. Lindenbergh-Kortleve, Léa M.M. Costes, Sandrine Nugteren, Valérie Malan, Jan Nowak, M. L. (Luisa) Mearin, Johanna C. Escher, Nadine Cerf-Bensussan, Janneke N. Samsom **Consequences of an IL2RA locus duplication in a very early onset inflammatory bowel disease patient**

M.E. Joosse, L. M.M. Costes Y. Simons-Oosterhuis, H.C. Raatgeep, L.A. van Berkel, T. Cupedo, L. de Ridder, J.C. Escher, S. Veenbergen and J.N. Samsom. **TIGIT expression identifies gut-homing effector T-cells with immunomodulatory properties that are deregulated in inflammatory bowel disease patients**

Sharon Veenbergen, Peng Li, Rolien (H.) C. Raatgeep, Dicky J. Lindenbergh-Kortleve, Ytje Simons-Oosterhuis, Alvin Farrel, Maria E. Joosse, Lisette A. van Berkel, Lilian F. de Ruiter, Marieke A. van Leeuwen, Dwight Winter, Steven M. Holland, Alexandra F. Freeman, Yoshiyuki Wakabayashi, Jun Zhu, Lissy de Ridder, Gertjan J. Driessen, Johanna C. Escher, Warren J. Leonard, Janneke N. Samsom. **The interleukin-1 pathway as a putative new target in Inflammatory Bowel Disease.**

2. 22nd Molecular Medicine Day, Rotterdam, The Netherlands March 15th 2018

Oral presentation

S. Nugteren, C.L. Menckeborg, Y. Simons-Oosterhuis, D.J. Lindenbergh-Kortleve, L.A. van Berkel, H.C. Raatgeep, L.M.M. Costes, L. de Ridder, J.C. Escher, J.N. Samsom. **Intestinal SLPI is induced by repetitive microbial contact and is increased in a subgroup of IBD patients**

3. Mucosal Immunology Course and Symposium (MICS), Oxford, UK, July 19th -20th 2018

Oral Presentations

Maria E. Joosse, Fabienne Charbit-Henrion, Rolien (H.) C. Raatgeep, Dicky J. Lindenbergh-Kortleve, Léa M.M. Costes, Sandrine Nugteren, Valérie Malan, Jan Nowak, M. L. (Luisa) Mearin, Johanna C. Escher, Nadine Cerf-Bensussan, Janneke N. Samsom **Consequences of an IL2RA locus duplication in a very early onset inflammatory bowel disease patient**

Poster Presentations

M.E. Joosse, L. M.M. Costes Y. Simons-Oosterhuis, H.C. Raatgeep, L.A. van Berkel, T. Cupedo, L. de Ridder, J.C. Escher, S. Veenbergen and J.N. Samsom. **TIGIT expression identifies gut-homing effector T-cells with immunomodulatory properties that are deregulated in inflammatory bowel disease patients**

S. Nugteren, C.L. Menckeborg, Y. Simons-Oosterhuis, D.J. Lindenbergh-Kortleve, L.A. van Berkel, H.C. Raatgeep, L.M.M. Costes, L. de Ridder, J.C. Escher, J.N. Samsom. **Intestinal Secretory Leukocyte Protease Inhibitor (SLPI) is induced by repetitive microbial contact and is increased in a subgroup of inflammatory bowel disease (IBD) patients**

Sharon Veenbergen, Peng Li, Rolien (H.) C. Raatgeep, Dicky J. Lindenbergh-Kortleve, Ytje Simons-Oosterhuis, Alvin Farrel, Maria E. Joosse, Lisette A. van Berkel, Lilian F. de Ruiter, Marieke A. van

Leeuwen, Dwight Winter, Steven M. Holland, Alexandra F. Freeman, Yoshiyuki Wakabayashi, Jun Zhu, Lissy de Ridder, Gertjan J. Driessen, Johanna C. Escher, Warren J. Leonard, Janneke N. Samsom. **IL-10 signaling in DCs controls IL-1b-mediated IFN γ secretion by human CD4⁺ T cells: relevance to inflammatory bowel disease.**

L.M.M. Costes, D.J. Lindenbergh-Kortleve, L.A. van Berkel, S. Veenbergen, Y. Simons-Oosterhuis, J.J. Karrich, B.E. Clausen, T. Cupedo, J.N. Samsom. **IL-10 signaling prevents gluten-dependent intraepithelial CD4⁺ cytotoxic T lymphocyte infiltration and epithelial damage in the small intestine**

4. 5th European Congress of Immunology, Amsterdam, the Netherlands Sept 2nd-5th 2018.

Oral Presentations

S. Nugteren, C.L. Menckeborg, Y. Simons-Oosterhuis, D.J. Lindenbergh-Kortleve, L.A. van Berkel, H.C. Raatgeep, L.M.M. Costes, L. de Ridder, J.C. Escher, J.N. Samsom. **Intestinal Secretory Leukocyte Protease Inhibitor (SLPI) is induced by repetitive microbial contact and is increased in a subgroup of inflammatory bowel disease (IBD) patients**

Maria E. Joosse, Fabienne Charbit-Henrion, Rolien (H.) C. Raatgeep, Dicky J. Lindenbergh-Kortleve, Léa M.M. Costes, Sandrine Nugteren, Valérie Malan, Jan Nowak, M. L. (Luisa) Mearin, Johanna C. Escher, Nadine Cerf-Bensussan, Janneke N. Samsom **Consequences of an IL2RA locus duplication in a very early onset inflammatory bowel disease patient**

L.M.M. Costes, D.J. Lindenbergh-Kortleve, L.A. van Berkel, S. Veenbergen, Y. Simons-Oosterhuis, J.J. Karrich, B.E. Clausen, T. Cupedo, J.N. Samsom. **IL-10 signaling prevents gluten-dependent intraepithelial CD4⁺ cytotoxic T lymphocyte infiltration and epithelial damage in the small intestine**

5. Junior Academy Deutsche Gesellschaft für Pathologie, Eltville am Rhein, Germany. October 15th-18th 2018

Oral presentation

Sandrine Nugteren: **Research expose: Secretory Leukocyte Protease Inhibitor in Colorectal Carcinoma**

Awards and grants 2018

Grant

J.N. Samsom: SGF-Health Holland PPP "Afweer in Balans". Title: The TIMID Consortium: new taxonomy and treatment strategies for T cell driven Immune Mediated Inflammatory Diseases. 11 partners. Total € 4.007.500,00 Tasks: principal investigator; coordinator; project leader; project manager; work package leader for multiple WP's.

Travel award

Sandrine Nugteren: Mucosal Immunology Course and Symposium (MICS), Oxford, UK, July 19-20 2018
Sandrine Nugteren: 5th European Congress of Immunology, Amsterdam, the Netherlands Sept 2nd-5th 2018.

Linda Joosse: Mucosal Immunology Course and Symposium (MICS), Oxford, UK, July 19-20 2018

Linda Joosse: 13th Congress of the European Crohn's and Colitis organization February 14th-17th, 2018, Vienna, Austria.

Linda Joosse: 5th European Congress of Immunology, Amsterdam, the Netherlands Sept 2nd-5th 2018

Léa Costes: 5th European Congress of Immunology, Amsterdam, the Netherlands Sept 2nd-5th 2018

Invited Lectures 2018

Janneke Samsom

1. LUMC, Feb 17th **2018**, Immune review Club seminar series: "Innate and adaptive immune responses in Inflammatory Bowel Disease".
2. Molecular Medicine Postgraduate school, ErasmusMC Rotterdam March 13th **2018** The immunological basis of Inflammatory Bowel Disease.
3. Aachen Uniklinik RWTH Aachen, Germany Institute of Molecular Medicine, March 16th **2018** Seminar: "Mechanisms of Interleukin-10 regulation in the intestine and their breakdown in chronic inflammatory disease."
4. Mucosal Immunology Course and Symposium (MICS) Oxford, UK July 17th-20th **2018**. Title: "Aberrant Microbial Host Interactions and the Complexity of Inflammatory Bowel Disease pathogenesis".
5. 5th European Congress of Immunology, Amsterdam, the Netherlands Sept 2nd-5th **2018**. Title: Regulating intestinal immune responses to luminal antigens.
6. Edinburgh Immunology Group seminar series, University of Edinburgh, Scotland. Nov 1st **2018**. Title: "IL-10 mediated regulation of intestinal immune responses to luminal antigens."

Publications 2018

1. van Mastrigt E, Zweekhorst S, Bol B, Tibboel J, van Rosmalen J, Samsom JN, Kroon AA, de Jongste JC, Reiss IKM, Post M, Pijnenburg MW. Ceramides in tracheal aspirates of preterm infants: Marker for bronchopulmonary dysplasia. *PLoS One*. (2018) Jan 18;13(1):e0185969.
2. de Leur K, Clahsen-van Groningen MC, van den Bosch TPP, de Graav GN, Hesselink DA, Samsom JN, Baan CC, Boer K. Characterization of ectopic lymphoid structures in different types of acute renal allograft rejection. *Clin Exp Immunol*. (2018) May;192(2):224-232.
3. Meyer Sauter PM, de Groot RCA, Estevão SC, Hoogenboezem T, de Bruijn ACJM, Sluiter M, de Bruijn MJW, De Kleer IM, van Haperen R, van den Brand JMA, Bogaert D, Fraaij PLA, Vink C, Hendriks RW, Samsom JN, Unger WWJ, van Rossum AMC. The Role of B Cells in Carriage and Clearance of *Mycoplasma pneumoniae* From the Respiratory Tract of Mice. *J Infect Dis*. (2018) Jan 4;217(2):298-309.
4. Cozijnsen MA, Samsom JN, de Ridder L. Anti-Tumour Necrosis Factor Therapy for Paediatric Crohn's Disease: Improved Benefits Through Treatment Optimisation, Deeper Understanding of Its Risks, and Reduced Costs due to Biosimilar Availability. *Paediatr Drugs*. (2018) Feb;20(1):19-28.