

## Output Gastro 2019

### Abstract poster/Oral presentations 2019

#### 1. 23<sup>rd</sup> Molecular Medicine Day, March 14<sup>th</sup> 2019 Rotterdam, The Netherlands

##### Poster Presentation

Sandrine Nugteren, Ytje Simons-Oosterhuis, Dicky J. Lindenbergh-Kortleve, Pien M. Delis-van Diemen, Gerrit A. Meijer, Remond J. A. Fijneman, Janneke N. Samsom. **Intestinal Secretory Leukocyte Protease Inhibitor (SLPI) is increased in a subgroup of colorectal carcinoma patients.**

#### 2. Leeds Pathology Meeting, July 2<sup>nd</sup>-4<sup>th</sup>, Harrogate, U.K.

##### Poster Presentation

Sandrine Nugteren, Ytje Simons-Oosterhuis, Dicky J. Lindenbergh-Kortleve, Pien M. Delis-van Diemen, Gerrit A. Meijer, Remond J. A. Fijneman, Janneke N. Samsom. **Intestinal Secretory Leukocyte Protease Inhibitor (SLPI) is increased in a subgroup of colorectal carcinoma patients**

#### 3. 18th international Celiac Disease Symposium, September 5<sup>th</sup>-7<sup>th</sup>, Paris, France

##### Poster Presentation

Lea MM Costes, Danielle H van Haaften, Rolien (H) C Raatgeep, Y. Simons-Oosterhuis, Lisette A van Berkel, Johanna C Escher, Michael Groeneweg, Janneke N Samsom  
Decreased Expression of the gluten-degrading lysosomal protease Cathepsin S and the cytokine IL-27 in monocytes of pediatric celiac disease patients

#### 4. NVVI annual meeting 2019 December 11<sup>th</sup> -12<sup>th</sup> 2019, Noordwijkerhout, the Netherlands

##### Oral Presentation

Lea M.M. Costes\*, Irma Tindemans\*, Maria E. (Linda) Joosse\*, Martine Aardoom, Rolien H. C. Raatgeep, Danielle H. van Haaften, Katie L. Alexander, Lennard W. Duck, Astrid Heikema, Polychronis Kemos, Johanna C. Escher, Frank M. Ruemelle, Nick M. Croft, Charles O. Elson, Lissy de Ridder, Janneke N. Samsom **IgG responses to multiple bacterial flagellins identify a subgroup of therapy-naive Crohn's disease patients with increased microbiota-specific T-cell reactivity.**

##### Poster Presentation

Sandrine Nugteren, Ytje Simons-Oosterhuis, Dicky J. Lindenbergh-Kortleve, Lisette A. van Berkel, Pien M. Delis-van Diemen, Malgorzata A. Komor, Léa M. M. Costes, Gerrit A. Meijer, Remond J. A. Fijneman, Janneke N. Samsom **Strong Secretory Leukocyte Protease Inhibitor (SLPI) expression in liver metastases is associated with poor survival in colorectal cancer patients**

### Awards and grants 2019

Sandrine Nugteren: 2<sup>nd</sup> prize 3-minute thesis pitch. Academic networking meeting Pathological Society, July 1<sup>st</sup>, Harrogate, U.K.

Sandrine Nugteren: British Division of the International Academy of Pathology travel grant.

### Invited Lectures 2019

#### Janneke Samsom

1. T Cell Connect Europe (TCCE) EFIS-IL study group meeting: Tissue immunity symposium with a focus on T cells. University of Lisbon, Portugal. May 7<sup>th</sup>-8<sup>th</sup> 2019 Title: Intraepithelial CD4+ cytotoxic T lymphocyte infiltration and epithelial damage in the small intestine.

2. 16<sup>th</sup> International Congress of Intestinal Rehabilitation & Transplant Association, Paris, France. July 3<sup>rd</sup>-6<sup>th</sup> **2019** Title: Fundamental Immunology in Intestinal transplantation.
3. NVVI annual meeting 2019 December 11-12 **2019** Title: Tissue-specific immunity- it's all about environmental sensitivities.

### **Lea Costes**

PreventCD 21st Progress Meeting January 24-25, 2019, Leiden The Netherlands. Title: Role of gluten degradation by antigen presenting cells in the onset of celiac disease

### **Sandrine Nugteren**

Academic networking meeting Pathological Society, July 1<sup>st</sup>, Harrogate, U.K. Title: academic pathology training in the Netherlands

### **PhD thesis and defense**

M.E.(Linda) Josse. Regulatory and Inflammatory T-cell responses in Inflammatory Bowel disease: a dynamic balance. Defense Nov 6<sup>th</sup> 2019. *Cum Laude* (with honors)

### **Publications 2019**

1. Veenbergen S, Li P, Raatgeep HC, Lindenbergh-Kortleve DJ, Simons-Oosterhuis Y, Farrel A, Costes LMM, Josse ME, van Berkel LA, de Ruiter LF, van Leeuwen MA, Winter D, Holland SM, Freeman AF, Wakabayashi Y, Zhu J, de Ridder L, Driessen GJ, Escher JC, Leonard WJ, **Samsom JN**. IL-10 signaling in dendritic cells controls IL-1 $\beta$ -mediated IFN $\gamma$  secretion by human CD4(+) T cells: relevance to inflammatory bowel disease. *Mucosal Immunol.* (2019) Sep;12(5):1201-1211.
2. Cheung KWK, van Groen BD, Spaans E, van Borselen MD, de Bruijn ACJM, Simons-Oosterhuis Y, Tibboel D, **Samsom JN**, Verdijk RM, Smeets B, Zhang L, Huang SM, Giacomini KM, de Wildt SN. A Comprehensive Analysis of Ontogeny of Renal Drug Transporters: mRNA Analyses, Quantitative Proteomics, and Localization. *Clin Pharmacol Ther.* (2019) Nov;106(5):1083-1092.
3. Costes LMM, Lindenbergh-Kortleve DJ, van Berkel LA, Veenbergen S, Raatgeep HRC, Simons-Oosterhuis Y, van Haaften DH, Karrich JJ, Escher JC, Groeneweg M, Clausen BE, Cupedo T, **Samsom JN**. IL-10 signaling prevents gluten-dependent intraepithelial CD4(+) cytotoxic T lymphocyte infiltration and epithelial damage in the small intestine. *Mucosal Immunol.* (2019) Mar;12(2):479-490.
4. Karrich JJ, Romera-Hernández M, Papazian N, Veenbergen S, Cornelissen F, Aparicio-Domingo P, Stenhouse FH, Peddie CD, Hoogenboezem RM, den Hollander CWJ, Gaskell T, Medley T, Boon L, Blackburn CC, Withers DR, **Samsom JN**, Cupedo T. Expression of Plet1 controls interstitial migration of murine small intestinal dendritic cells. *Eur J Immunol.* (2019) Feb;49(2):290-301.
5. Josse ME, Nederlof I, Walker LSK, **Samsom JN**. Tipping the balance: inhibitory checkpoints in intestinal homeostasis. *Mucosal Immunol.* (2019) Jan;12(1):21-35.

6. Ping Z, Chen S, Hermans SJF, Kenswil KJG, Feyen J, van Dijk C, Bindels EMJ, Mylona AM, Adisty NM, Hoogenboezem RM, Sanders MA, Cremers EMP, Lindenbergh-Kortleve DJ, **Samsom JN**, van de Loosdrecht AA, Raaijmakers MHGP. Activation of NF- $\kappa$ B driven inflammatory programs in mesenchymal elements attenuates hematopoiesis in low-risk myelodysplastic syndromes. *Leukemia*. (2019) Feb;33(2):536-541.
7. Joosse ME, Menckeberg CL, de Ruiter LF, Raatgeep HRC, van Berkel LA, Simons-Oosterhuis Y, Tindemans I, Muskens AFM, Hendriks RW, Hoogenboezem RM, Cupedo T, de Ridder L, Escher JC, Veenbergen S, **Samsom JN**. Frequencies of circulating regulatory TIGIT(+)CD38(+) effector T cells correlate with the course of inflammatory bowel disease. *Mucosal Immunol*. (2019) Jan;12(1):154-163.