

Personal information

Name Loes F.M. Jonkers-van der Zanden
Email Loes.vanderZanden@Radboudumc.nl
Date of birth February 12, 1983
Nationality Dutch
Marital status Married, 2 children (Isa, born in 2013 and Tibbe, born in 2014)

Education

2001 - 2006 **Radboud University, Nijmegen, The Netherlands**
 Biomedical Sciences, Major: Pathobiology, Minor: Reproduction
1995 - 2001 **Gymnasium Beekvliet, St. Michielsgestel, The Netherlands**

Employment

6/2011-current **Postdoc: Department for Health Evidence, Radboud university medical center, Nijmegen, The Netherlands**

Genetic and environmental risk factors for congenital anomalies (AGORA) and coordination of the EU FP7 Project EuroTARGET (European collaborative project on TArgeted therapy in Renal cell cancer: GEnetic and Tumour-related biomarkers for response and toxicity)

9/2006-6/2011 **PhD-student: Department for Health Evidence & Department of Human Genetics, Radboud university medical center, Nijmegen, The Netherlands**

“Aetiology of hypospadias: From genes to environment and back”; project on genetics, environmental factors, and gene-environment interactions in the aetiology of hypospadias within the AGORA biobank. PhD graduation 17-02-2012 with honours (cum laude).

Grants and awards

2017 RIHS junior researcher grant for a four year PhD project entitled: ‘SOLitary Functioning kidney: Aetiology and prognosis (SOFIA Project)’ (€240,000)
2017 Personal Veni grant for a four year project entitled: ‘Posterior Urethral Valves: Etiology and prediction of future renal function’ (€250,000)
2014 Personal Junior Postdoc grant from the Kolff program of the Dutch Kidney Foundation for a two and a half year project entitled: ‘Personalized care for patients with congenital obstructive uropathy: prognostic models for renal function.’ (€196,000)
2012 PhD graduation with honours (Cum Laude)
2012 Best Paper Award of the European Society of Pediatric Urology for the paper “Common variants in *DGKK* are strongly associated with risk of hypospadias” (*Nat Genet* 2011) (€1,000)
2010 Two grants from the Radboud Internationalisation Fund to give oral presentations at the 60th Annual meeting of the American Society of Human Genetics in Washington, USA and the 105th Annual Meeting of the American Urological Association in San Francisco, USA (€2,250)
2010 Grant from the Simonsfonds to give a poster presentation at the 43th European Human Genetics Conference in Gothenburg, Sweden (€600)
2008 Grant from the Dutch Kidney Foundation and from the Simonsfonds for a 3-month working visit to the Division of Human Genetics, Diponegoro University, Indonesia (€4,700)

Publications

2018 Dokter EM, Slikboer KM, **van der Zanden LFM**, Rahamat-Langendoen JC, Henriët SS, Feitz WFJ, Kortmann BB, Roeleveld N, van Rooij IALM. Preoperative illnesses in children do not increase the risk of complications after hypospadias repair. *Pediatr Infect Dis J.* 2018; in press.
2017 **van der Zanden LFM**, Vermeulen SHHM, Oskarsdottir A, Maurits JS, Diekstra MH, Ambert V, Cambon-Thomsen A, Castellano D, Fritsch A, Garcia Donas J, *et al.* Description of the EuroTARGET cohort: A European collaborative project on TArgeted therapy in renal cell cancer- biomarkers for response and toxicity. *Urol Oncol.* 2017;35:529.e9-16.
2017 R van de Putte, CHW Wijers, I de Blaauw, CLM Marcelis, CEJ Sloots, AS Brooks, PMA Broens, N Roeleveld, **LFM van der Zanden**, IALM van Rooij. Previous miscarriages and *GLI2* are associated with anorectal malformations in offspring. *Human Reproduction* 2017;32:299-306.

- 2016 IALM van Rooij*, **LFM van der Zanden***, EM Bongers, KY Renkema, CHW Wijers, M Thonissen, EM Dokter, CL Marcelis, I de Blaauw, MH Wijnen, *et al.* AGORA, a data- and biobank for birth defects and childhood cancer. *Birth Defects Res A Clin Mol Teratol* 2016;106:675-84. *Shared
- 2016 S Groen in 't Wout, KY Renkema, MF Schreuder, CHW Wijers, **LFM van der Zanden**, NVAM Knoers, WFJ Feitz, EMHF Bongers, N Roeleveld, IALM van Rooij. Maternal risk factors involved in specific congenital anomalies of the kidney and urinary tract: a case-control study. *Birth Defects Res A Clin Mol Teratol* 2016;106:596-603.
- 2016 EM Dokter, IA van Rooij, CH Wijers, J Groothuismink, J van der Biezen, WF Feitz, N Roeleveld, **LFM van der Zanden**. Interaction between *MTHFR* 677C>T and periconceptional folic acid supplementation in the risk of hypospadias. *Birth Def Res A Clin Mol Teratol* 2016;106:275-84
- 2016 N Nicolaou, SL Pulit, IJ Nijman, G Monroe, WF Feitz, MF Schreuder, AM van Eerde, TP de Jong, JC Giltay, **LFM van der Zanden**, *et al.* Prioritization and burden analysis of rare variants in 208 candidate genes suggest they do not play a major role in CAKUT. *Kidney Int* 2016;89:476-86.
- 2015 C Söderhäll, I B Körberg, H Thai, J Cao, Y Chen, X Zhang, Z Shulu, **LFM van der Zanden**, IALM van Rooij, L Frisén, *et al.* Fine mapping analysis confirms and strengthens linkage of four chromosomal regions in familial hypospadias. *Eur J Hum Genet* 2015;23:516-522.
- 2015 R van de Putte, C Wijers, I de Blaauw, W Feitz, C Marcelis, M Hakobjan, CE Sloots, Y van Bever, HG Brunner, N Roeleveld, IALM van Rooij, **LFM van der Zanden**. Sequencing of the *DKK1* gene in patients with anorectal malformations and hypospadias. *Eur J Pediatr* 2015;175:583-587.
- 2015 WFJ Feitz, IALM van Rooij, EMHF Bongers, KY Renkema, NVAM Knoers, EMJ Dokter, R de Gier, B Kortmann, MF Schreuder, HG Brunner, **LFM van der Zanden**, N Roeleveld. Kinderurologie en etiologie: Radboudumc AGORA data- en biobank. *Ned Tijdschr Urol* 2015;1:3-7.
- 2014 F Geller, B Feenstra, L Carstensen, TH Pers, IALM van Rooij, I Baranowska Körberg, S Choudhry, J Karjalainen, TH Schnack, MV Hollegaard, WFJ Feitz, N Roeleveld, DM Hougaard, JN Hirschhorn, L Franke, LS Baskin, A Nordenskjöld, **LFM van der Zanden**, M Melbye. Genome-Wide Association Study identifies variants in developmental genes associated with hypospadias. *Nat Genet* 2014;46:957-63.
- 2014 CHW Wijers, I de Blaauw, N Zwink, M Draaken, **LFM van der Zanden**, HG Brunner, AS Brooks, RM Hofstra, CEJ Sloots, PMA Broens, *et al.* No Major Role for Periconceptional Folic Acid Use and its Interaction with the *MTHFR* C677T Polymorphism in the Etiology of Congenital Anorectal Malformations. *Birth Defects Res A Clin Mol Teratol* 2014;100:483-92.
- 2013 J Gudmundsson, P Sulem, DF Gudbjartsson, G Masson, V Petursdottir, S Hardarson, SA Gudjonsson, H Johannsdottir, HT Helgadóttir, **LFM van der Zanden**, *et al.* A common variant at 8q24.21 is associated with renal cell cancer. *Nat Commun* 2013;4:2776.
- 2013 IALM van Rooij, **LFM van der Zanden**, MM Brouwers, NVAM Knoers, WFJ Feitz, N Roeleveld. Risk factors for different phenotypes of hypospadias: results from a Dutch case-control study. *BJU Int* 2013;112:121-128.
- 2012 **LFM van der Zanden**, TE Galesloot, WFJ Feitz, MM Brouwers, M Shi, NVAM Knoers, B Franke, N Roeleveld, IALM van Rooij. Exploration of gene-environment interactions, maternal effects, and parent-of-origin effects in the etiology of hypospadias. *J Urol* 2012;188:2354-2360.
- 2012 **LFM van der Zanden**, IALM van Rooij, WFJ Feitz, B Franke, NVAM Knoers, N Roeleveld. Aetiology of hypospadias: a systematic review of genes and environment. *Hum Reprod Update* 2012;18:260-283.
- 2011 **LFM van der Zanden**, IALM van Rooij, WFJ Feitz, J Knight, ART Donders, KY Renkema, EMHF Bongers, SHHM Vermeulen, LALM Kiemeneij, JA Veltman, *et al.* Common variants in *DGKK* are strongly associated with risk of hypospadias. *Nat Genet* 2011;43:48-50.
- 2010 **LFM van der Zanden**, IA van Rooij, WF Feitz, S Vermeulen, LALM Kiemeneij, NVAM Knoers, N Roeleveld, B Franke. Genetics of hypospadias: Are SNPs in *SRD5A2*, *ESR1*, *ESR2*, and *ATF3* really associated with the malformation? *J Clin Endocrinol Metab* 2010;95:2384-2390.
- 2010 M Brouwers, **LFM van der Zanden**, R de Gier, EJ Barten, GA Zielhuis, WFJ Feitz, N Roeleveld. Hypospadias: Risk factor patterns and different phenotypes. *BJU Int* 2010;105:254-262.