List of Publications

1) **A. J. Rueten-Budde**, H. Putter, and M. Fiocco. Investigating hospital heterogeneity with a competing risks frailty model. *Stat Med*, 38(2):269–288, 2018

2) **A. J. Rueten-Budde**, H. Putter, and M. Fiocco. Assessment of predictive accuracy of an intermittenly observed binary time-dependent marker. *Submitted*

3) **A. J. Rueten-Budde**, J. J. Willeumier, L. M. Jeys, M. Laitinen, R. Pollock, W. Aston, P. D. S. Dijkstra, P. C. Ferguson, A. M. Griffin, J. S. Wunder, M. Fiocco, and M. A. J. van de Sande. Individualised risk assessment for local recurrence and distant metastases in a retrospective transatlantic cohort of 687 patients with high-grade soft tissue sarcomas of the extremities: a multistate model. *BMJ Open*, 7(2):e012930, 2017

4) **A. J. Rueten-Budde**, V. M. van Praag, L. M. Jeys, M. K. Laitinen, R. Pollock, W. Aston, J. A. van der Hage, P. S. Dijkstra, P. C. Ferguson, A. M. Griffin, J. J. Willeumier, J. S. Wunder, M. A. van de Sande, and M. Fiocco. A prediction model for treatment decisions in high-grade extremity soft-tissue sarcomas: personalised sarcoma care (persarc). *Eur J Cancer*, 83:313–323, 2017

5) **A. J. Rueten-Budde**, V. van Praag, PERSARC studygroup, M. van de Sande, and M. Fiocco. Dynamic prediction of overall survival for patients with high-grade extremity soft tissue sarcoma. *Surg Oncol*, 27(4):695–701, 2018

6) **A. J. Rueten-Budde**, M. van de Sande, V. van Praag, PERSARC studygroup, and M. Fiocco. External validation and adaptation of a dynamic prediction model for patients with high-grade extremity soft tissue sarcoma. *Submitted*

7) **A. J. Rueten-Budde**, S. Bosma, C. Lancia, A. Ranft, U. Dirksen, Krol, H. Gelderblom, M. van de Sande, P. Dijkstra, and M. Fiocco. Individual risk evaluation for local recurrence and distant metastasis in ewing sarcoma: a multistate model. *Pediatr Blood Cancer*, 66(e27943):doi: 10.1002/pbc.27943, 2019

8) V. van Praag, **A. J. Rueten-Budde**, V. Ho, P. Dijkstra, I. C. van der Geest, J. A. Bramer, G. R. Schaap, P. C. Jutte, H. B. Schreuder, J. Ploegmakers, M. Fiocco, and M. van de Sande. Incidence, outcomes and prognostic factors during 25 years of treatment of chondrosarcomas. *Surg Oncol*, 27(3):402–408, 2018

9) M. J. L. Mastboom, E. Palmerini, F. G. M. Verspoor, **A. J. Rueten-Budde**, S. Stacchiotti, E. L. Staals, G. R. Schaap, P. C. Jutte, W. Aston, H. Gelderblom, A. Leithner, D. Dammerer, A. Takeuchi, Q. Thio, X. Niu, J. S. Wunder, TGCT Study Group, and M. A. J. van de Sande. Surgical outcomes of patients with

diffuse-type tenosynovial giant-cell tumours: an international, retrospective, cohort study. *Lancet Oncol*, 20(6):877–886, 2019

10) M. Mastboom, E. Staals, F. Verspoor, **A. J. Rueten-Budde**, S. Stacchiotti, E. Palmerini, G. Schaap, P. Jutte, W. Aston, A. Leithner, D. Dammerer, A. Takeuchi, Q. Thio, X. Niu, J. Wunder, TGCT study group, and M. van de Sande. Surgical treatment of localized-type tenosynovial giant cell tumours of large joints. *J Bone Joint Surg*, 101(14):1309–1318, 2019

11) S. Bosma, C. Lancia, **A. J. Rueten-Budde**, A. Ranft, H. Gelderblom, M. Fiocco, M. van de Sande, P. Dijkstra, and U. Dirksen. Easy-to-use clinical tool for survival estimation in ewing sarcoma at diagnosis and after surgery. *Sci Rep*, 9(11000), 2019

12) E. Schutgens, P. Picci, D. Baumhoer, R. Pollock, J. Bovee, P. Hogendoorn, P. Dijkstra, **A. J. Rueten-Budde**, P. Jutte, F. Traub, A. Leithner, P. Tunn, P. Funovics, G. Sys, M. Julian, G. Schaap, H. Dürr, J. Hardes, J. Healy, R. Capanna, D. Biau, A. Gomez-Brouchet, J. Wunder, T. Cosker, M. Laitinen, X. Niu, V. Kostiuk, Adamantinoma research group, and M. van de Sande. Surgical outcome and oncological survival of osteofibrous dysplasia-like- and classic adamantinoma: an international multicenter study of 318 cases. *Submitted*

13) **A. J. Rueten-Budde**, C. Liu, A. Ranft, U. Dirksen, H. Gelderblom, and M. Fiocco. Dynamic prediction of overall survival for patients with ewing sarcoma. *Submitted*

Curriculum Vitae

Anja Juana Rueten-Budde was born on August 12th 1990 in Bremen, Germany. In 2013 she obtained a BSc degree in Mathematics at the University of Bremen. In 2013 she moved to the Netherlands to continue her studies at Leiden University where she completed the Master programme 'Statistical Science for the Life & Behavioural Sciences' in 2015.

During her Master studies she completed an internship collaborating with the Department of Orthopaedic Surgery of the Leiden University Medical Center under the supervision of dr. Marta Fiocco, which made the start of her research of soft tissue sarcoma. The results of this intership assisted in obtaining a grant from the KWF to fund part of her PhD research which she started in 2016 under the supervision of dr. Marta Fiocco at Leiden University. Her work focused on developing accurate prediction models for patients with high-grade extremity soft tissue sarcoma. Results of this research are presented in this thesis and were implemented in the PERSARC mobile application for use in clinical practice. The impact of the PERSARC application is currently studied by researchers at the Leiden University Medical Center. Their research is funded by a grant from the KWF.

She has been teaching assistant in various courses and was lecturer of Statistics at Leiden University College (The Hague). In the last year of her PhD research she was lecturer for the Survival Analysis course from the Statistical Science master programme. She has been involved in a number of consultations at the Leiden University Medical Center in which she helped clinicians with their data analysis. During her PhD research time she presented her research at conferences in the Netherlands, United Kingdom, Finnland, Canada, and Denmark. She was co-organizer of the conference Survival Analysis for Junior Researchers 2018 in Leiden which was the first time that the conference took place outside of the United Kingdom.

In her free time she enjoys to knit and was part of the Mathematical Institute Knitting Club. In 2019 she published her first knitting pattern under the name 'Spherical fractal scarf' which was a collaboration with Niels Langeveld. At the moment of writing she is looking for a position as a statistical consultant.

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