

- **Name:** Dr. ir. GJS (Geert) Litjens
 - **Current Position & Affiliation:** Assistant professor in computational pathology
Department of Pathology, Radboud University
Nijmegen Medical Center Nijmegen, The Netherlands
 - **Country:** The Netherlands
-

- **Educational Background:**

Master's degree

University/College of Higher Education:	Eindhoven University of Technology
Date (dd/mm/yy):	07-01-2010
Main subject:	Biomedical Image Analysis

Doctorate

University/College of Higher Education:	Radboud University Medical Center
Starting date (dd/mm/yy):	07-01-2010
Date of PhD award (dd/mm/yy):	23-01-2015
Supervisor ('Promotor'):	Nico Karssemeijer and Jelle Barentsz
Thesis title:	Computerized detection of prostate cancer in multi-parametric MRI

- **Professional Experience:**

Positions

01-05-2016 – Now	Assistant professor in computational pathology Department of Pathology, Radboud University Nijmegen Medical Center Nijmegen, The Netherlands
01-05-2015 – 01-05-2016	Post-doctoral researcher in digital pathology Hamamatsu Tissue Imaging and Analysis Center University of Heidelberg, Heidelberg, Germany
01-01-2015 – 01-05-2015	Post-doctoral researcher in digital pathology Department of Pathology, Radboud University Nijmegen Medical Center Nijmegen, The Netherlands

- **Professional Organizations:**

N/A

- **Main Scientific Publications:**

Articles in scientific journals

1. Hans Pinckaers, Wouter Bulten, Jeroen van der Laak, Geert Litjens. Detection of prostate cancer in whole- slide images through end-to-end training with image-level labels. IEEE Trans Med Imag, 2021.
2. T de Bel, JM Bokhorst, J van der Laak, G Litjens. Residual cycle-GAN for robust domain transformation of histopathological tissue slides. Med Image Anal, 2021

3. D. Tellez, G. Litjens, J. van der Laak, F. Ciompi . Neural Image Compression for Gigapixel Histopathology Image Analysis. IEEE Trans Pattern Anal Mach Intell, 2021.
4. Maschenka CA Balkenhol, Francesco Ciompi, Zaneta Świdarska-Chadaj, Rob van de Loo, Milad Intezar, Irene Otte-Höller, Daan Geijs, Johannes Lotz, Nick Weiss, Thomas de Bel, Geert Litjens, Peter Bult, Jeroen AWM van der Laak. Optimized tumour infiltrating lymphocyte assessment for triple negative breast cancer prognostics. The Breast, 2021
5. Zaneta Swiderska-Chadaj, Konnie M Hebeda, Michiel van den Brand, Geert Litjens. Artificial intelligence to detect MYC translocation in slides of diffuse large B-cell lymphoma. Virchows Archiv, 2020
6. Wouter Bulten, Maschenka Balkenhol, Jean-Joël Awoumou Belinga, Américo Brillhante, Asli Çakır, Lars Egevad, Martin Eklund, Xavier Farré, Katerina Geronatsiou, Vincent Molinié, Guilherme Pereira, Paromita Roy, Günter Saile, Paulo Salles, Ewout Schaafsma, Joelle Tschui, Anne-Marie Vos, Hester van Boven, Robert Vink, Jeroen van der Laak, Christina Hulsbergen-van der Kaa, Geert Litjens. Artificial intelligence assistance significantly improves Gleason grading of prostate biopsies by pathologists. Modern Pathology, 2020
7. Wouter Bulten, Hans Pinckaers, Hester van Boven, Robert Vink, Thomas de Bel, Bram van Ginneken, Jeroen van der Laak, Christina Hulsbergen-van de Kaa, Geert Litjens. Automated deep-learning system for Gleason grading of prostate cancer using biopsies: a diagnostic study. Lancet Oncol, 2020