

Jonas Teuwen — Curriculum Vitæ

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Age: 37

Experience

- 2020–now Group Leader (tenure track), *Netherlands Cancer Institute*
AI for Oncology (<https://aiforoncology.nl>)
Leading the AI for Oncology Group.
- 2022–now Chief Technology Officer / Co-founder, *Ellogon.AI*
Leading the technical decision-making and strategizing at Ellogon.AI, a University of Amsterdam spinoff, aiming to enhance immunotherapy patient selection through innovative AI applications.
- 2018–2020 Associate staff scientist (fixed term), *Netherlands Cancer Institute*
Department of Radiation Oncology
- 2021–now Senior Researcher (tenured), *Radboud University Medical Center*
Department of Medical Imaging
Maintain collaborative ties with my PhD candidates at Radboud University Medical Center, and leveraging this partnership for mutually beneficial data access and research.
- 2018–2021 Assistant professor (tenure track), *Radboud University Medical Center*
Department of Medical Imaging
Led the subgroups in the Diagnostic Image Analysis Group specializing in medical image analysis for breast imaging and radiation oncology.
- 2017–2018 Postdoctoral researcher (fixed term), *Radboud University Medical Center*
Department of Radiology and Nuclear Medicine
- 2016–2017 Postdoctoral researcher (fixed term), *Netherlands Cancer Institute*
Department of Radiation Oncology
- 2012–2016 PhD candidate, *Delft University of Technology*
Faculty of Applied Sciences & Faculty of Electrical Engineering, Mathematics and Computer Science
Combined PhD in Pure Mathematics and Applied Physics.

Education

- 2012 MSc in Mathematics, *Delft University of Technology*
- 2011 BSc in Mathematics, *Delft University of Technology*

Organizational & Academic visits

2022

Memorial Sloan Kettering Cancer Center
Visiting Investigator

- 2022 Neural Image Processing Systems (NeurIPS)
Co-organizer of the ‘Medical Imaging Meets NeurIPS workshop’
- 2020 Neural Image Processing Systems (NeurIPS)
Organizer of the “Medical Imaging Meets NeurIPS” workshop
- 2019 Neural Image Processing Systems (NeurIPS)
Co-organizer of the “Medical Imaging Meets” NeurIPS workshop
- 2019 American Association for Physicists in Medicine (AAPM)
Organizer of the “Deep Learning for Image Reconstruction and Processing” session

Review committees

- 2024-now Hanarth Fund
Scientific Advisory Board
- 2023-now Dutch Research Council
Veni committee Exact and Natural Sciences (ENW)
- 2023 Dutch Cancer Society (KWF)
Member of the “Smart Measurements” committee
- 2022 Dutch Cancer Society (KWF)
Member of the “Smart Measurements” committee

PhD committees

Manuscript committee

- 2024 Kevin Groot Lipman
University of Maastricht
- 2021 Alberto Traverso
University of Maastricht

Committee

- 2019 Alejandro Rodríguez-Ruiz
Radboud University Medical Center

Co-promotorships

CURRENT PHD CANDIDATES

- 2024 Zahra Babaei Aghdam – *Radboud University Medical Center*
Topic: Clinical validation of AI-enhanced breast image interpretation

- 2023 Vivien van Veldhuizen – *Radboud University Medical Center*
AI-enhanced breast image interpretation
- 2022 Luuk Balkenende – *Radboud University Medical Center*
AI-enhanced MRI breast imaging, rapid detection of lesions in screening data
- 2022 Jonatan Ferm – *Radboud University Medical Center*
AI-enhanced MRI breast imaging, rapid detection of lesions in screening data based on k-space
- 2022 Marek Oerlemans – *Leiden University Medical Center*
Computational pathology models for DCIS
- 2021 Vanessa Botha – *Delft University of Technology*
Multimodal AI-models for immune therapy response prediction
- 2021 Shannon Doyle – *University of Amsterdam*
Computational pathology and radiology models for DCIS
- 2021 Ajey Pai Karkala – *University of Amsterdam*
Computational pathology models for treatment response and survival prediction in women’s cancers
- 2021 George Yiasemis – *University of Amsterdam*
Deep learning-based reconstruction models for image-free tracking of tumors in MRI k -space data
- 2023 Bjørn Kwee – *Leiden University*
TCR-pMHC specificity prediction
- 2020 Yoni Schirris – *University of Amsterdam*
Computational pathology models for whole-slide level prediction with the downstream goal of immune therapy prediction
- 2020 Sjoerd Tunissen – *Radboud University Medical Center*
Deep learning low-dose CT simulator for the development of denoising methods
- 2020 Sarah Verboom – *Radboud University Medical Center*
Optimal selection of the order of screening radiologists using deep learning

COMPLETED PHDs

- 2019 Mehmet Dalmis – *Radboud University Medical Center*
Thesis title: Automated Analysis of Breast MRI From traditional methods into deep learning
- 2021 Marco Caballo – *Radboud University Medical Center*
Thesis title: Towards Precision Medicine in Breast Cancer Imaging

Postdoctoral researchers

CURRENT

- 2023 Xin Wang
Develop breast cancer risk prediction based on screening imaging (MRI, mammography)

- 2022 Joren Brunekreef
Calibration of AI models for medical imaging
- 2021 Eric Marcus
Senior postdoc. Various projects, and co-supervision
- 2018 Nikita Moriakov
Inverse problem solvers using deep learning
- 2023 Ewald van Dyk
Deep learning for vaccine development
- 2022 Andrey Zhylka
Develop deep learning techniques for image-guided surgery

International and national collaborations

INTERNATIONAL COLLABORATIONS

- 2022-now Memorial Sloan Kettering Cancer Center (MSKCC), *New York, New York, United States*
We have set up a comprehensive data transfer and collaboration agreement with the MSKCC concerning the analysis of breast MRI data.

NATIONAL COLLABORATIONS

- 2023-now Kaiko.ai, *Amsterdam, the Netherlands*
In our collaboration with Kaiko.ai, we developed foundational models. In this collaboration with Kaiko.ai's researchers and the University of Amsterdam, we develop joint intellectual property to advance Foundational Models in oncology. Kaiko.ai also provides the extensive computing capacities required).
- 2023-now ScreenPoint Medical, *Nijmegen, the Netherlands*
Together with ScreenPoint we develop AI techniques to enhance breast imaging capabilities (mammography, MRI). This collaboration is within the aiEMBRACE project.
- 2020-now University of Amsterdam, *Amsterdam, the Netherlands*
We work in several ways together with the University of Amsterdam. One notable one is through the ICAI (<https://icai.ai>) lab AI for Oncology where several researchers are co-supervised between the NKI and the University of Amsterdam.
- 2020-now Ellogon.AI, *Amsterdam, the Netherlands*
Together with Ellogon.AI we develop computational pathology models that aid in patient stratification for immune therapy. This collaboration is through the Histo.AI project. Of note is that I am one of the co-founders of Ellogon.AI.
- 2020-now Radboud University Medical Center, *Nijmegen, the Netherlands* We collaborate closely with the Breast Imaging Group of the Radboud University Medical Center

Professional organizations and society memberships

- 2024-now The International Society for Magnetic Resonance in Medicine (ISMRM)
- 2022-now European Society of Radiology (ESR)
- 2021-now American Association of Physicists in Medicine (AAPM)

Selected invited talks since 2021

- 2025 European Congress of Radiology (ECR) – *Vienna, Austria*
The role of artificial intelligence in breast imaging
- 2023 The International Immuno-Oncology Network (II-ON) – *Philadelphia, United States*
Multimodal AI for immune therapy response prediction
- 2023 European Society of Breast Imaging – *Valencia, Spain*
AI for image reconstruction (had to cancel)
- 2022 Utrecht Bioinformatics Symposium – *Utrecht, the Netherlands*
Predicting weak labels in high-dimensional histopathology data
- 2021 European Conference of Medical Physics – *Kopenhagen, Denmark*
Deep learning for medical imaging

Editorships

- 2024-now British Journal of Radiology | Open (BJR | Open) – *Senior Editor*
- 2024-now NPJ Breast Cancer – *Associate Editor*
- 2020-now Medical Physics – *Associate Editor*

Grants 2020-2024

- 2023 aiEMBRACE – PI – *Health Holland*
Redesign the radiological pipeline for breast cancer, enhancing each step using AI
- 2022 Smart Breast AI – co-PI – *Dutch Cancer Society (KWF)*
Develop AI-based techniques to accelerate breast MRI screening
- 2021 DCIS.AI – co-PI – *Dutch Cancer Society (KWF)*
Develop computational pathology models to predict DCIS recurrence
- 2020 Histo.AI - Immune therapy response based on histopathology
Develop computational pathology models to predict immune therapy response
- 2020 Rocc'n Roll – co-PI – *H2020*
Designing a strategic research agenda and roadmap interlinking to health and digitization aspects

Patents

Pending Deep learning-based learned iterative reconstruction for cone-beam CT (with Jan-Jakob Sonke and Nikita Moriakov)

Peer-reviewed publications

2024 R. Lo Gullo, E. Marcus, J. Huayanay, S. Eskreis-Winkler, S. Thakur, **J. Teuwen** and K. Pinker, “Artificial Intelligence-Enhanced Breast MRI”, *Investigative Radiology*, 2024

► DOI: [10.1097/RLI.0000000000001010](https://doi.org/10.1097/RLI.0000000000001010)

2024 G. Yiasemis, C. I. Sánchez, J. Sonke and **J. Teuwen**, “On retrospective k-space subsampling schemes for deep MRI reconstruction”, *Magnetic Resonance Imaging*, 2024

► DOI: [10.1016/j.mri.2023.12.012](https://doi.org/10.1016/j.mri.2023.12.012)

2024 C. A. Jahangir, D. B. Page, G. Broeckx, C. A. Gonzalez, C. Burke, C. Murphy, J. S. Reis-Filho, A. Ly, P. W. Harms, R. R. Gupta, M. Vieth, A. I. Hida, M. Kahila, Z. Kos, P. J. Van Diest, S. Verbandt, J. Thagaard, R. Khroya, K. Abduljabbar, G. Acosta Haab, B. Acs, S. Adams, J. S. Almeida, I. Alvarado-Cabrero, F. Azmoudeh-Ardalan, S. Badve, N. B. Baharun, E. R. Bellolio, V. Bheemaraju, K. R. Blenman, L. Botinelly Mendonça Fujimoto, O. Burgues, A. Chardas, M. C. U. Cheang, F. Ciompi, L. A. Cooper, A. Coosemans, G. Corredor, F. L. Dantas Portela, F. Deman, S. Demaria, S. N. Dudgeon, M. Elghazawy, C. Fernandez-Martín, S. Fineberg, S. B. Fox, J. M. Giltnane, S. Gnjjatic, P. I. Gonzalez-Ericsson, A. Grigoriadis, N. Halama, M. G. Hanna, A. Harbhajanka, S. N. Hart, J. Hartman, S. Hewitt, H. M. Horlings, Z. Husain, S. Irshad, E. A. Janssen, T. R. Kataoka, K. Kawaguchi, A. I. Khramtsov, U. Kiraz, P. Kirtani, L. L. Kodach, K. Korski, G. Akturk, E. Scott, A. Kovács, A. Lænkholm, C. Lang-Schwarz, D. Larsimont, J. K. Lennerz, M. Lerousseau, X. Li, A. Madabhushi, S. K. Maley, V. Manur Narasimhamurthy, D. K. Marks, E. S. Mcdonald, R. Mehrotra, S. Michiels, D. Kharidehal, F. U. A. A. Minhas, S. Mittal, D. A. Moore, S. Mushtaq, H. Nighat, T. Papatomas, F. Penault-Llorca, R. D. Perera, C. J. Pinard, J. C. Pinto-Cardenas, G. Pruneri, L. Pusztai, N. M. Rajpoot, B. L. Rapoport, T. T. Rau, J. M. Ribeiro, D. Rimm, A. Vincent-Salomon, J. Saltz, S. Sayed, E. Hytopoulos, S. Mahon, K. P. Siziopikou, C. Sotiriou, A. Stenzinger, M. A. Sughayer, D. Sur, F. Symmans, S. Tanaka, T. Taxter, S. Tejpar, **J. Teuwen**, E. A. Thompson, T. Tramm, W. T. Tran, J. Van Der Laak, G. E. Verghese, G. Viale, N. Wahab, T. Walter, Y. Waumans, H. Y. Wen, W. Yang, Y. Yuan, J. Bartlett, S. Loibl, C. Denkert, P. Savas, S. Loi, E. Specht Stovgaard, R. Salgado, W. M. Gallagher and A. Rahman, “Image-based multiplex immune profiling of cancer tissues: translational implications. A report of the International Immuno-oncology Biomarker Working Group on Breast Cancer”, *The Journal of Pathology*, 2024

► DOI: [10.1002/path.6238](https://doi.org/10.1002/path.6238)

2024 G. Yiasemis, N. Moriakov, J. Sonke and **J. Teuwen**, “Deep Cardiac MRI Reconstruction with ADMM”, *Statistical Atlases and Computational Models of the Heart. Regular and CM-RxRecon Challenge Papers*, 2024

► DOI: [10.1007/978-3-031-52448-6_45](https://doi.org/10.1007/978-3-031-52448-6_45)

2024 E. Marcus and **J. Teuwen**, “Artificial intelligence and explanation: How, why, and when

- to explain black boxes”, *European Journal of Radiology*, 2024
▶ DOI: [10.1016/j.ejrad.2024.111393](https://doi.org/10.1016/j.ejrad.2024.111393)
- 2024 T. Zhang, T. Tan, L. Han, X. Wang, Y. Gao, J. Van Dijk, A. Portaluri, A. Gonzalez-Huete, A. D’Angelo, C. Lu, **J. Teuwen**, R. Beets-Tan, Y. Sun and R. Mann, “IMPORTANT-Net: Integrated MRI multi-parametric increment fusion generator with attention network for synthesizing absent data”, *Information Fusion*, 2024
▶ DOI: [10.1016/j.inffus.2024.102381](https://doi.org/10.1016/j.inffus.2024.102381)
- 2023 T. Zhang, T. Tan, X. Wang, Y. Gao, L. Han, L. Balkenende, A. D’Angelo, L. Bao, H. M. Horlings, **J. Teuwen**, R. G. Beets-Tan and R. M. Mann, “RadioLOGIC, a healthcare model for processing electronic health records and decision-making in breast disease”, *Cell Reports Medicine*, 2023
▶ DOI: [10.1016/j.xcrm.2023.101131](https://doi.org/10.1016/j.xcrm.2023.101131)
- 2023 D. B. Page, G. Broeckx, C. A. Jahangir, S. Verbandt, R. R. Gupta, J. Thagaard, R. Khiroya, Z. Kos, K. Abduljabbar, G. Acosta Haab, B. Acs, J. S. Almeida, I. Alvarado-Cabrero, F. Azmoudeh-Ardalan, S. Badve, N. B. Baharun, E. R. Bellolio, V. Bheemaraju, K. R. Blenman, L. Botinelly Mendonça Fujimoto, O. Burgues, M. C. U. Cheang, F. Ciompi, L. A. Cooper, A. Coosemans, G. Corredor, F. L. Dantas Portela, F. Deman, S. Demaria, S. N. Dudgeon, M. Elghazawy, S. Ely, C. Fernandez-Martín, S. Fineberg, S. B. Fox, W. M. Gallagher, J. M. Giltneane, S. Gnjjatic, P. I. Gonzalez-Ericsson, A. Grigoriadis, N. Halama, M. G. Hanna, A. Harbhajanka, A. Hardas, S. N. Hart, J. Hartman, S. Hewitt, A. I. Hida, H. M. Horlings, Z. Husain, E. Hytopoulos, S. Irshad, E. A. Janssen, M. Kahila, T. R. Kataoka, K. Kawaguchi, D. Kharidehal, A. I. Khramtsov, U. Kiraz, P. Kirtani, L. L. Kodach, K. Korski, A. Kovács, A. Laenholm, C. Lang-Schwarz, D. Larsimont, J. K. Lennerz, M. Lerousseau, X. Li, A. Ly, A. Madabhushi, S. K. Maley, V. Manur Narasimhamurthy, D. K. Marks, E. S. Mcdonald, R. Mehrotra, S. Michiels, F. U. A. A. Minhas, S. Mittal, D. A. Moore, S. Mushtaq, H. Nighat, T. Papatomas, F. Penault-Llorca, R. D. Perera, C. J. Pinard, J. C. Pinto-Cardenas, G. Pruneri, L. Pusztai, A. Rahman, N. M. Rajpoot, B. L. Rapoport, T. T. Rau, J. S. Reis-Filho, J. M. Ribeiro, D. Rimm, A. Salomon, M. Salto-Tellez, J. Saltz, S. Sayed, K. P. Siziopikou, C. Sotiriou, A. Stenzinger, M. A. Sughayer, D. Sur, F. Symmans, S. Tanaka, T. Taxter, S. Tejpar, **J. Teuwen**, E. A. Thompson, T. Tramm, W. T. Tran, J. Van Der Laak, P. J. Van Diest, G. E. Verghese, G. Viale, M. Vieth, N. Wahab, T. Walter, Y. Waumans, H. Y. Wen, W. Yang, Y. Yuan, S. Adams, J. M. S. Bartlett, S. Loibl, C. Denkert, P. Savas, S. Loi, R. Salgado, E. Specht Stovgaard, G. Akturk and N. Bouchmaa, “Spatial analyses of immune cell infiltration in cancer: current methods and future directions. A report of the International Immuno-Oncology Biomarker Working Group on Breast Cancer”, *The Journal of Pathology*, 2023
▶ DOI: [10.1002/path.6165](https://doi.org/10.1002/path.6165)
- 2023 J. Thagaard, G. Broeckx, D. B. Page, C. A. Jahangir, S. Verbandt, Z. Kos, R. Gupta, R. Khiroya, K. Abduljabbar, G. Acosta Haab, B. Acs, G. Akturk, J. S. Almeida, I. Alvarado-Cabrero, M. Amgad, F. Azmoudeh-Ardalan, S. Badve, N. B. Baharun, E. Balslev, E. R. Bellolio, V. Bheemaraju, K. R. Blenman, L. Botinelly Mendonça Fujimoto, N. Bouchmaa, O. Burgues, A. Chardas, M. Chon U Cheang, F. Ciompi, L. A. Cooper, A. Coosemans, G. Corredor, A. B. Dahl, F. L. Dantas Portela, F. Deman, S. Demaria, J. Doré Hansen, S. N. Dudgeon, T. Ebstrup, M. Elghazawy, C. Fernandez-Martín, S. B. Fox, W. M. Gallagher, J. M. Giltneane, S.

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▶ DOI: [10.1002/path.6155](https://doi.org/10.1002/path.6155)
- 2023 S. A. M. Tunissen, L. J. Oostveen, N. Moriakov, **J. Teuwen**, K. Michielsen, E. J. Smit and I. Sechopoulos, “Development, validation, and simplification of a scanner-specific CT simulator”, *Medical Physics*, 2023
▶ DOI: [10.1002/mp.16679](https://doi.org/10.1002/mp.16679)
- 2023 T. Zhang, L. Han, A. D’Angelo, X. Wang, Y. Gao, C. Lu, **J. Teuwen**, R. Beets-Tan, T. Tan and R. Mann, “Synthesis of Contrast-Enhanced Breast MRI Using T₁- and Multi-b-Value DWI-Based Hierarchical Fusion Network with Attention Mechanism”, *Lecture Notes in Computer Science*, 2023
▶ DOI: [10.1007/978-3-031-43990-2_8](https://doi.org/10.1007/978-3-031-43990-2_8)
- 2023 R. M. Mann and **J. Teuwen**, “Beyond the *AJR*: A Breakthrough in the Use of Artificial Intelligence for Mammography in Screening for Breast Cancer”, *American Journal of Roentgenology*, 2023
▶ DOI: [10.2214/AJR.23.30359](https://doi.org/10.2214/AJR.23.30359)
- 2023 N. Moriakov, J. Sonke and **J. Teuwen**, “End-to-end memory-efficient reconstruction for cone beam CT”, *Medical Physics*, 2023
▶ DOI: [10.1002/mp.16779](https://doi.org/10.1002/mp.16779)
- 2023 L. Han, T. Tan, T. Zhang, Y. Huang, X. Wang, Y. Gao, **J. Teuwen** and R. Mann, “Synthesis-based imaging-differentiation representation learning for multi-sequence 3D/4D MRI”, *Medical Image Analysis*, 2023
▶ DOI: [10.1016/j.media.2023.103044](https://doi.org/10.1016/j.media.2023.103044)
- 2023 M. M. Van Leeuwen, S. Doyle, A. W. Van Den Belt–Dusebout, S. Van Der Mierden, C. E. Loo, R. M. Mann, **J. Teuwen** and J. Wesseling, “Clinicopathological and prognostic value of calcification morphology descriptors in ductal carcinoma in situ of the breast: a sys-

- tematic review and meta-analysis”, *Insights into Imaging*, 2023
▶ DOI: [10.1186/s13244-023-01529-z](https://doi.org/10.1186/s13244-023-01529-z)
- 2023 S. D. Verboom, M. Caballo, J. Peters, J. Gommers, D. Van Den Oever, M. J. M. Broeders, **J. Teuwen** and I. Sechopoulos, “Deep learning-based breast region segmentation in raw and processed digital mammograms: generalization across views and vendors”, *Journal of Medical Imaging*, 2023
▶ DOI: [10.1117/1.JMI.11.1.014001](https://doi.org/10.1117/1.JMI.11.1.014001)
- 2022 K. A. Wahid, S. Ahmed, R. He, L. V. Van Dijk, **J. Teuwen**, B. A. McDonald, V. Salama, A. S. Mohamed, T. Salzillo, C. Dede, N. Taku, S. Y. Lai, C. D. Fuller and M. A. Naser, “Evaluation of deep learning-based multiparametric MRI oropharyngeal primary tumor auto-segmentation and investigation of input channel effects: Results from a prospective imaging registry”, *Clinical and Translational Radiation Oncology*, 2022
▶ DOI: [10.1016/j.ctro.2021.10.003](https://doi.org/10.1016/j.ctro.2021.10.003)
- 2022 Y. Schirris, E. Gavves, I. Nederlof, H. M. Horlings and **J. Teuwen**, “DeepSMILE: Contrastive self-supervised pre-training benefits MSI and HRD classification directly from H&E whole-slide images in colorectal and breast cancer”, *Medical Image Analysis*, 2022
▶ DOI: [10.1016/j.media.2022.102464](https://doi.org/10.1016/j.media.2022.102464)
- 2022 L. Balkenende, **J. Teuwen** and R. M. Mann, “Application of Deep Learning in Breast Cancer Imaging”, *Seminars in Nuclear Medicine*, 2022
▶ DOI: [10.1053/j.semnuclmed.2022.02.003](https://doi.org/10.1053/j.semnuclmed.2022.02.003)
- 2022 Y. Beauferris, **J. Teuwen**, D. Karkalousos, N. Moriakov, M. Caan, G. Yiasemis, L. Rodrigues, A. Lopes, H. Pedrini, L. Rittner, M. Dannecker, V. Studenyak, F. Gröger, D. Vyas, S. Faghih-Roohi, A. Kumar Jethi, J. Chandra Raju, M. Sivaprakasam, M. Lasby, N. Nogovitsyn, W. Loos, R. Frayne and R. Souza, “Multi-Coil MRI Reconstruction Challenge—Assessing Brain MRI Reconstruction Models and Their Generalizability to Varying Coil Configurations”, *Frontiers in Neuroscience*, 2022
▶ DOI: [10.3389/fnins.2022.919186](https://doi.org/10.3389/fnins.2022.919186)
- 2022 G. Yiasemis, N. Moriakov, D. Karkalousos, M. Caan and **J. Teuwen**, “DIRECT: Deep Image REConstruction Toolkit”, *Journal of Open Source Software*, 2022
▶ DOI: [10.21105/joss.04278](https://doi.org/10.21105/joss.04278)
- 2022 G. Yiasemis, C. Zhang, C. I. Sánchez, J. Sonke and **J. Teuwen**, “Deep MRI reconstruction with radial subsampling”, *Medical Imaging 2022: Physics of Medical Imaging*, 2022
▶ DOI: [10.1117/12.2609876](https://doi.org/10.1117/12.2609876)
- 2022 R. Hou, L. J. Grimm, M. A. Mazurowski, J. R. Marks, L. M. King, C. C. Maley, T. Lynch, M. Van Oirsouw, K. Rogers, N. Stone, M. Wallis, **J. Teuwen**, J. Wesseling, E. S. Hwang and J. Y. Lo, “Prediction of Upstaging in Ductal Carcinoma in Situ Based on Mammographic Radiomic Features”, *Radiology*, 2022
▶ DOI: [10.1148/radiol.210407](https://doi.org/10.1148/radiol.210407)
- 2022 R. Samperna, N. Moriakov, N. Karssemeijer, **J. Teuwen** and R. M. Mann, “Exploiting the Dixon Method for a Robust Breast and Fibro-Glandular Tissue Segmentation in Breast MRI”, *Diagnostics*, 2022

- DOI: [10.3390/diagnostics12071690](https://doi.org/10.3390/diagnostics12071690)
- 2022 S. D. Verboom, M. Caballo, M. J. M. Broeders, **J. Teuwen** and I. Sechopoulos, “Deep learning-based breast tissue segmentation in digital mammography: generalization across views and vendors”, *Medical Imaging 2022: Image Processing*, 2022
► DOI: [10.1117/12.2611437](https://doi.org/10.1117/12.2611437)
- 2022 P. S. Kronemeijer, E. Gavves, J. Sonke and **J. Teuwen**, “Tumor tracking in 4D CT images for adaptive radiotherapy”, *Medical Imaging 2022: Image Processing*, 2022
► DOI: [10.1117/12.2612954](https://doi.org/10.1117/12.2612954)
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