Julia Drylewicz
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Biography

Julia Drylewicz is an Assistant Professor within the Computational Immunology Core of the Center for Translational Immunology (CTI) of the UMC Utrecht focusing on biomarkers discovery and bringing methodological support to researchers from the design of a project to its publication.
Since 2014, she collaborates with many groups on multidisciplinary projects within the CTI and aim at closing the gap between experimental and theoretical work by using biostatistics, bioinformatics and computational approaches. Some of her most recent projects involve modeling cell homeostasis in human, defining the optimal time of maternal vaccination for RSV infection, determining endotypes of atopic dermatitis patients based on serum biomarkers measured by Luminex and analyses of Olink data.
She was trained in Biostatistics and Epidemiology at Bordeaux School of Public Health (ISPED, France) and graduated in Biomathematics from Paris V University (France) in 2006. She obtained her PhD in biostatistics at Bordeaux University (France) in 2009. From 2010 till 2014, she performed postdoctoral research in computational and quantitative immunology under the supervision of José Borghans in the Department of Immunology at the UMC Utrecht and collaborated with Rob de Boer in the Utrecht Center for Quantitative Immunology at Utrecht University. Her research focused on quantifying cell dynamics in health and disease using mathematical modeling to analyze stable-isotope labeling experiments.

Research output

Association of autoantibodies with the IFN signature and NETosis in patients with systemic lupus erythematosus
Kaan, E. D., Brunekreef, T. E., Drylewicz, J., van den Hoogen, L. L., van der Linden, M., Leavis, H. L., van Laar, J. M., van der Vlist, M., Otten, H. G. & Limper, M., Dec 2024, In: Journal of translational autoimmunity. 9, 100246.

Non-Infectious Uveitis Secondary to Dupilumab Treatment in Atopic Dermatitis Patients Shows a Pro-Inflammatory Molecular Profile
Achten, R., van Luijk, C., Thijs, J., Drylewicz, J., Delemarre, E., Nierkens, S., Bakker, D., van Wijk, F., de Graaf, M., de Bruin-Weller, M., de Boer, J. & Kuiper, J., Sept 2024, In: Ocular Immunology and Inflammation. 32, 7, p. 1150-1154 5 p.

Multiplex spatial omics reveals changes in immune-epithelial crosstalk during inflammation and dysplasia development in chronic IBD patients
Baars, M. J. D., Floor, E., Sinha, N., ter Linde, J. J. M., van Dam, S., Amini, M., Nijman, I. J., ten Hove, J. R., Drylewicz, J. , Offerhaus, G. J. A., Laclé, M. M., Oldenburg, B. & Vercoulen, Y., 16 Aug 2024, In: iScience. 27, 8, 110550.

Disagreement FDA and EMA on RSV Maternal Vaccination: Possible Consequence for Global Mortality
Willemsen, J. E., Borghans, J. A. M., Bont, L. J. & Drylewicz, J., 1 Jan 2024, In: The Pediatric infectious disease journal. 43, 1, p. e1-e2

Maternal vaccination against RSV can substantially reduce childhood mortality in low-income and middle-income countries: A mathematical modeling study
Willemsen, J. E., Borghans, J. A. M., Bont, L. J. & Drylewicz, J., Dec 2023, In: Vaccine: X. 15, 100379.

Highly multiplexed spatial analysis identifies tissue-resident memory T cells as drivers of ulcerative and immune checkpoint inhibitor colitis
van Eijs, M. J. M., ter Linde, J. J. M., Baars, M. J. D., Amini, M., Laclé, M. M., Brand, E. C., Delemarre, E. M., Drylewicz, J. , Nierkens, S., Verheijden, R. J., Oldenburg, B., Vercoulen, Y., Suijkerbuijk, K. P. M. & van Wijk, F., 20 Oct 2023, In: iScience. 26, 10, 107891.

Biomarkers in atopic dermatitis
Bakker, D., de Bruin-Weller, M., Drylewicz, J., van Wijk, F. & Thijs, J., May 2023, In: Journal of Allergy and Clinical Immunology. 151, 5, p. 1163-1168 6 p.

Patient-centered dupilumab dosing regimen leads to successful dose reduction in persistently controlled atopic dermatitis
Spekhorst, L. S., Bakker, D., Drylewicz, J., Rispens, T., Loeff, F., Boesjes, C. M., Thijs, J., Romeijn, G. L. E., Loman, L., Schuttelaar, M-L., van Wijk, F., de Graaf, M. & de Bruin-Weller, M. S., Nov 2022, In: Allergy. 77, 11, p. 3398-3407 10 p.

Clinical features and immune-related protein patterns of anti-MDA5 positive clinically amyopathic dermatomyositis Dutch patients
Hensgens, M. P. M., Delemarre, E. M., Drylewicz, J., Voortman, M., Krol, R. M., Dalm, V. A. S. H., Miedema, J. R., Wiertz, I., Grutters, J., Limper, M., Nierkens, S. & Leavis, H. L., 6 Oct 2022, In: Rheumatology (Oxford, England). 61, 10, p. 4087-4096 10 p.

A Network of Serum Proteins Predict the Need for Systemic Immunomodulatory Therapy at Diagnosis in Noninfectious Uveitis
Kuiper, J. J. W., Verhagen, F. H., Hiddingh, S., Wennink, R. A. W., Hansen, A. M., Casey, K. A., Hoefer, I. E., Haitjema, S. , Drylewicz, J., Yakin, M., Sen, H. N., Radstake, T. R. D. J. & de Boer, J. H., Sept 2022, In: Ophthalmology science. 2, 3, p. 1-9 100175.

Thrombosis pathways in COVID-19 vs. influenza-associated ARDS: a targeted proteomics approach
Rademaker, E., Doorduijn, D. J., Kusadasi, N., Maas, C., Drylewicz, J., Huisman, A., Hoefer, I. E., Bonten, M. J. M., Derde, L. P. G., Rooijakkers, S. H. M. & Cremer, O. L., May 2022, In: Journal of thrombosis and haemostasis : JTH. 20, 5 , p. 1206-1212 7 p.

Turnover of Murine Cytomegalovirus-Expanded CD8$^+$ T Cells Is Similar to That of Memory Phenotype T Cells and Independent of the Magnitude of the Response
Baliu-Piqué, M., Drylewicz, J., Zheng, X., Borkner, L., Swain, A. C., Otto, S. A., de Boer, R. J., Tesselaar, K., Cicin-Sain, L. & Borghans, J. A. M., 15 Feb 2022, In: Journal of immunology (Baltimore, Md. : 1950). 208, 4, p. 799-806 8 p.

Unraveling heterogeneity in pediatric atopic dermatitis: identification of serum biomarker based patient clusters
Bakker, D. S., Graaf, M. D., Nierkens, S., Delemarre, E. M., Knol, E., van Wijk, F., de Bruin-Weller, M. S., Drylewicz, J. & Thijs, J. L., Jan 2022, In: The Journal of Allergy and Clinical Immunology. 149, 1, p. 125-134 10 p.

Unraveling heterogeneity in pediatric atopic dermatitis: identification of serum biomarker based patient clusters
Bakker, D., de Graaf, M., Nierkens, S., Delemarre, E., Knol, E., van Wijk, F., de Bruin-Weller, M., Drylewicz, J. & Thijs, J., Jan 2022, In: Journal of Investigative Dermatology. 149, 1, p. 125-134 10 p.

Quantification of T-cell dynamics during latent cytomegalovirus infection in humans
van den Berg, S. P. H., Derksen, L. Y., Drylewicz, J., Nanlohy, N. M., Beckers, L., Lanfermeijer, J., Gessel, S. N., Vos, M., Otto, S. A., de Boer, R. J., Tesselaar, K., Borghans, J. A. M. & van Baarle, D., Dec 2021, In: PLoS Pathogens. 17, 12, e1010152.

T-Cell Epitopes Shared Between Immunizing HLA and Donor HLA Associate With Graft Failure After Kidney Transplantation
Peereboom, E. T. M., Matern, B. M., Tomosugi, T., Niemann, M., Drylewicz, J., Joosten, I., Allebes, W. A., van der Meer, A., Hilbrands, L. B., Baas, M. C., van Reekum, F. E., Verhaar, M. C., Kamburova, E. G., Seelen, M. A. J., Sanders, J. S., Hepkema, B. G., Lambeck, A. J., Bungener, L. B., Roozendaal, C., Tilanus, M. G. J., & 24 othersVoorter, C. E., Wieten, L. , van Duijnhoven, E. M., Gelens, M. A. C. J., Christiaans, M. H. L., van Ittersum, F. J., Nurmohamed, A., Lardy, N. M., Swelsen, W., van der Pant, K. A., van der Weerd, N. C., Ten Berge, I. J. M., Bemelman, F. J., de Vries, A. P. J., de Fijter, J. W., Betjes, M. G. H., Roelen, D. L., Claas, F. H., Otten, H. G., Heidt, S., van Zuilen, A. D., Kobayashi, T., Geneugelijk, K. & Spierings, E., 18 Nov 2021, In: Frontiers in Immunology. 12, p. 1-13 784040.

Serum Biomarker Profile Including CCL1, CXCL10, VEGF, and Adenosine Deaminase Activity Distinguishes Active From Remotely Acquired Latent Tuberculosis
Delemarre, E. M., van Hoorn, L., Bossink, A. W. J., Drylewicz, J., Joosten, S. A., Ottenhoff, T. H. M., Akkerman, O. W., Goletti, D., Petruccioli, E., Navarra, A., van den Broek, B. T. A., Paardekooper, S. P. A., van Haeften, I., Koenderman, L., Lammers, J-W. J., Thijsen, S. F. T., Hofland, R. W. & Nierkens, S., 7 Oct 2021, In: Frontiers in Immunology. 12, p. 1-12 725447.

Long-term effect of hematopoietic cell transplantation on systemic inflammation in patients with mucopolysaccharidoses
van den Broek, B. T. A., Lindemans, C. A., Boelens, J. J., Delemarre, E. M., Drylewicz, J., Verhoeven-Duif, N., van Hasselt, P. M. & Nierkens, S., 24 Aug 2021, In: Blood Advances. 5, 16, p. 3092-3101 10 p.

Early and Long-Term Effects of Dupilumab Treatment on Circulating T-Cell Functions in Patients with Moderate-to-Severe Atopic Dermatitis
Bakker, D. S., van der Wal, M. M., Heeb, L. E. M., Giovannone, B., Asamoah, M., Delemarre, E. M., Drylewicz, J., Nierkens, S., Boyman, O., de Bruin-Weller, M. S., Thijs, J. L. & Wijk, F. V., Aug 2021, In: Journal of Investigative Dermatology. 141, 8, p. 1943-1953.e13

Cell-density independent increased lymphocyte production and loss rates post-autologous HSCT
Baliu Piqué, M., van Hoeven, V., Drylewicz, J., van der Wagen, L. E., Janssen, A., Otto, S. A., van Zelm, M. C., de Boer, R. J., Kuball, J. J., Borghans, J. A. & Tesselaar, K., 4 Feb 2021, In: eLife. 10, 22 p., e59775.

Broad proteomic screen reveals shared serum proteomic signature in patients with psoriatic arthritis and psoriasis without arthritis
Leijten, E., Tao, W., Pouw, J., van Kempen, T., Olde Nordkamp, M., Balak, D., Tekstra, J., Muñoz-Elías, E., DePrimo, S., Drylewicz, J., Pandit, A., Boes, M. & Radstake, T., 1 Feb 2021, In: Rheumatology (Oxford, England). 60, 2, p. 751–761 11 p.

Targeted Proteomics Reveals Inflammatory Pathways that Classify Immune Dysregulation in Common Variable Immunodeficiency
Berbers, R-M., Drylewicz, J., Ellerbroek, P. M., van Montfrans, J. M., Dalm, V. A. S. H., van Hagen, P. M., Keller, B., Warnatz, K., van de Ven, A., van Laar, J. M., Nierkens, S. & Leavis, H. L., Feb 2021, In: Journal of Clinical Immunology. 41, 2, p. 362-373 12 p.

Confirmation of multiple endotypes in atopic dermatitis based on serum biomarkers
Bakker, D. S., Nierkens, S., Knol, E. F., Giovannone, B., Delemarre, E. M., van der Schaft, J., van Wijk, F., de Bruin-Weller, M. S., Drylewicz, J. & Thijs, J. L., Jan 2021, In: The Journal of Allergy and Clinical Immunology. 147, 1, p. 189-198 10 p.

EASI p-EASI: Predicting disease severity in atopic dermatitis patients treated with dupilumab using a combination of serum biomarkers
Bakker, D. S., Ariens, L. F. M., Giovannone, B., Hijnen, D., Delemarre, E. M., Knol, E., Nierkens, S., de Bruin-Weller, M. S. , Thijs, J. L. & Drylewicz, J., Dec 2020, In: Allergy. 75, 12, p. 3287-3289 3 p.

Functional categories of immune inhibitory receptors
Rumpret, M., Drylewicz, J., Ackermans, L. J. E., Borghans, J. A. M., Medzhitov, R. & Meyaard, L., Dec 2020, In: Nature Reviews. Immunology. 20, 12, p. 771-780 10 p.

Dupilumab is very effective in a large cohort of difficult-to-treat adult atopic dermatitis patients: First clinical and biomarker results from the BioDay registry
Ariëns, L. F. M., van der Schaft, J., Bakker, D. S., Balak, D., Romeijn, M. L. E., Kouwenhoven, T., Kamsteeg, M., Giovannone, B., Drylewicz, J., van Amerongen, C. C. A., Delemarre, E. M., Knol, E. F., van Wijk, F., Nierkens, S., Thijs, J. L., Schuttelaar, M. L. A. & de Bruin-Weller, M. S., 1 Jan 2020, In: Allergy. 75, 1, p. 116-126 11 p.

Early identification of atopic dermatitis patients in need of systemic immunosuppressive treatment
Bakker, D. S., Drylewicz, J., Nierkens, S., Knol, E. F., Giovannone, B., Delemarre, E. M., van der Schaft, J., Balak, D. M. W., de Bruin-Weller, M. S. & Thijs, J. L., Dec 2019, In: Clinical and Experimental Allergy. 49, 12, p. 1641-1644 4 p.

Biomarkers detected in dried blood spots from atopic dermatitis patients strongly correlate with disease severity
Thijs, J. L., Fiechter, R., Giovannone, B., de Bruin-Weller, M. S., Knol, E. F., Bruijnzeel-Koomen, C. A. F. M., Drylewicz, J. , Nierkens, S. & Hijnen, D. J., Nov 2019, In: Allergy: European Journal of Allergy and Clinical Immunology. 74, 11, p. 2240-2243 4 p.

Early identification of atopic dermatitis patients in need of systemic immunosuppressive treatment
Bakker, D., Drylewicz, J., Nierkens, S., Knol, E., van der Schaft, J., Delemarre, E., Balak, D., de Bruin-Weller, M. & Thijs, J., Sept 2019, In: Journal of Investigative Dermatology. 139, 9, p. S286-S286

Endotyping of adult and paediatric atopic dermatitis; is it one disease?
Thijs, J., Bakker, D., Delemarre, E., de Graaf, M., Knol, E., Drylewicz, J., van Wijk, F., Nierkens, S. & de Bruin-Weller, M., Sept 2019, In: Journal of Investigative Dermatology. 139, 9, p. S285-S285

Predicting treatment response to methotrexate in atopic dermatitis patients using clinical characteristics and serum biomarkers
Ariens, L., Thijs, J., Bakker, D., Drylewicz, J., Nierkens, S., Knol, E., Delemarre, E., Balak, D., van der Schaft, J. & de Bruin-Weller, M., Sept 2019, In: Journal of Investigative Dermatology. 139, 9, p. S287-S287

Age-related distribution and dynamics of T-cells in blood and lymphoid tissues of goats
Baliu-Piqué, M., Kurniawan, H., Ravesloot, L., Verheij, M. W., Drylewicz, J., Lievaart-Peterson, K., Borghans, J. A. M., Koets, A. & Tesselaar, K., 1 Apr 2019, In: Developmental and Comparative Immunology. 93, p. 1-10 10 p.

Dupilumab: Eerste resultaten vanuit het BioDay-register
Ariëns, L. F. M., van der Schaft, J., Bakker, D. S., Balak, D. M. W., Giovannone, B., Romeijn, M., Kouwenhoven, T., Kamsteeg, M., Drylewicz, J., van Wijk, F., Nierkens, S., Thijs, J. L., Schuttelaar, M. L. & de Bruin-Weller, M. S., 1 Apr 2019 , In: Nederlands Tijdschrift voor Dermatologie en Venereologie. 29, 4, p. 29-34 6 p.

EASI p-EASI: Predicting disease severity in atopic dermatitis patients treated with cyclosporin A
Thijs, J. L., Drylewicz, J., Bruijnzeel-Koomen, C. A. F. M., Giovannone, B., Knol, E. F., de Bruin-Weller, M. S., Nierkens, S. & Hijnen, D. J., 2019, In: Allergy: European Journal of Allergy and Clinical Immunology. 74, 3, p. 613-617 5 p.

Short lifespans of memory T-cells in bone marrow, blood, and lymph nodes suggest that T-cell memory is maintained by continuous self-renewal of recirculating cells
Baliu-Piqué, M., Verheij, M. W., Drylewicz, J., Ravesloot, L., de Boer, R. J., Koets, A., Tesselaar, K. & Borghans, J. A. M., 11 Sept 2018, In: Frontiers in Immunology. 9, SEP, p. 2054 2054.

Potential impact of maternal vaccination on life-threatening respiratory syncytial virus infection during infancy
Scheltema, N. M., Kavelaars, X. M., Thorburn, K., Hennus, M. P., van Woensel, J. B., van der Ent, C. K., Borghans, J. A. M., Bont, L. J. & Drylewicz, J., 25 Jul 2018, In: Vaccine. 36, 31, p. 4693-4700 8 p.

The antiretroviral CCR5-inhibitor maraviroc effectively reverses HIV latency by phosphorylation of Nf-kappa B
Symons, J., vanLelyveld, S. F. L., deSpiegelaere, W., Wensing, A. M. J., Zerbato, J. M., vanHam, P. M., Drylewicz, J., Middel, A., Hoepelman, A. I. M., Cameron, P. U., Lu, H. K., Dantanarayana, A. I., Borghans, J. A. M., Vandekerckhove, L. , Lewin, S. R., Tesselaar, K. & Nijhuis, M., Jul 2018, In: Journal of the International AIDS Society [E]. 21, S6, p. 29-30 e25148.

Intestinal T cell profiling in inflammatory bowel disease: Linking T cell subsets to disease activity and disease course
Smids, C., Horje, C. S. H. T., Drylewicz, J., Roosenboom, B., Groenen, M. J. M., Koolwijk, E. V., van Lochem, E. G. & Wahab, P. J., 1 Apr 2018, In: Journal of Crohn's and Colitis. 12, 4, p. 465-475 11 p.

Serum biomarker profiles suggest that atopic dermatitis is a systemic disease
Thijs, J. L., Strickland, I., Bruijnzeel-Koomen, C. A. F. M., Nierkens, S., Giovannone, B., Knol, E. F., Csomor, E., Sellman, B. R., Mustelin, T., Sleeman, M. A., de Bruin-Weller, M. S., Herath, A., Drylewicz, J., May, R. D. & Hijnen, D. J., 1 Apr 2018, In: Journal of Allergy and Clinical Immunology. 141, 4, p. 1523-1526 4 p.

PIRCHE-II is related to graft failure after kidney transplantation
Geneugelijk, K., Niemann, M., Drylewicz, J., van Zuilen, A. D., Joosten, I., Allebes, W. A., van der Meer, A., Hilbrands, L. B., Baas, M. C., Erik Hack, C., van Reekum, F. E., Verhaar, M. C., Kamburova, E. G., Bots, M. L., Seelen, M. A. J., Sanders, J. S., Hepkema, B. G., Lambeck, A. J., Bungener, L. B., Roozendaal, C., & 24 othersTilanus, M. G. J., Vanderlocht, J., Voorter, C. E., Wieten, L., van Duijnhoven, E. M., Gelens, M., Christiaans, M. H. L., van Ittersum, F. J., Nurmohamed, A., Lardy, J. N. M., Swelsen, W., van der Pant, K. A., van der Weerd, N. C., ten Berge, I. J. M., Bemelman,

F. J., Hoitsma, A., van der Boog, P. J. M., de Fijter, J. W., Betjes, M. G. H., Heidt, S., Roelen, D. L., Claas, F. H., Otten, H. G. & Spierings, E., 5 Mar 2018, In: Frontiers in Immunology. 9, MAR, 321.

EASI p-EASI: Utilizing a combination of serum biomarkers offers an objective measurement tool for disease severity in atopic dermatitis patients
Thijs, J. L., Drylewicz, J., Fiechter, R., Strickland, I., Sleeman, M. A., Herath, A., May, R. D., Bruijnzeel-Koomen, C. A. F. M., Knol, E. F., Giovannone, B., de Bruin-Weller, M. S., Nierkens, S. & Hijnen, D. J., Dec 2017, In: Journal of Allergy and Clinical Immunology. 140, 6, p. 1703-1705 3 p.

Reduced number of relapses of human leucocyte antigen-B27-associated uveitis during pregnancy
Verhagen, F. H., Braakenburg, A. M., Kremer, T., Drylewicz, J., Rothova, A. & de Boer, J. H., Dec 2017, In: Acta Ophthalmologica. 95, 8, p. e798-e799 2 p.

Circulatory and maturation kinetics of human monocyte subsets in vivo
Tak, T., Drylewicz, J., Conemans, L., de Boer, R. J., Koenderman, L., Borghans, J. A. M. & Tesselaar, K., 21 Sept 2017, In: Blood. 130, 12, p. 1474-1477 4 p.

Candidate serum markers in early Crohn's disease: Predictors of disease course
Smids, C., Horje, C. S. H. T., Nierkens, S., Drylewicz, J., Groenen, M. J. M., Wahab, P. J. & van Lochem, E. G., 1 Sept 2017, In: Journal of Crohn's & Colitis. 11, 9, p. 1090-1100 11 p.

Moving toward endotypes in atopic dermatitis: Identification of patient clusters based on serum biomarker analysis
Thijs, J. L., Strickland, I., Bruijnzeel-Koomen, C. A. F. M., Nierkens, S., Giovannone, B., Csomor, E., Sellman, B. R., Mustelin, T., Sleeman, M. A., de Bruin-Weller, M. S., Herath, A., Drylewicz, J., May, R. D. & Hijnen, D. J., Sept 2017, In: Journal of Allergy and Clinical Immunology. 140, 3, p. 730-737 8 p.

Dynamics of recent thymic emigrants in young adult mice
van Hoeven, V., Drylewicz, J., Westera, L., den Braber, I., Mugwagwa, T., Tesselaar, K., Borghans, J. A. M. & de Boer, R. J., 7 Aug 2017, In: Frontiers in Immunology [E]. 8, AUG, 933.

Maraviroc Intensification Improves Endothelial Function in Abacavir-Treated Patients, an Open-Label Randomized Cross-Over Pilot Study
Krikke, M., Tesselaar, K., Arends, J. E., Drylewicz, J., Otto, S. A., van Lelyveld, S. F. L., Visseren, F. J. L. & Hoepelman, A. I. M., Sept 2016, In: Infectious Diseases and Therapy. 5, 3, p. 389–404

Rapid reconstitution of CD4 T cells and NK cells protects against CMV-reactivation after allogeneic stem cell transplantation
Drylewicz, J., Schellens, I. M. M., Gaiser, R., Nanlohy, N. M., Quakkelaar, E. D., Otten, H., van Dorp, S., Jacobi, R., Ran, L., Spijkers, S., Koning, D., Schuurman, R., Meijer, E., Pietersma, F. L., Kuball, J. & van Baarle, D., 2016, In: Journal of Translational Medicine [E]. 14, 1, 9 p., 14:230.

Reconciling Longitudinal Naive T-Cell and TREC Dynamics during HIV-1 Infection
Drylewicz, J., Vrisekoop, N., Mugwagwa, T., de Boer, A. B., Otto, S. A., Hazenberg, M. D., Tesselaar, K., de Boer, R. J. & Borghans, J. A. M., 2016, In: PLoS ONE [E]. 11, 3, e0152513.

Quantification of naive and memory T-cell turnover during HIV-1 infection
Vrisekoop, N., Drylewicz, J., van Gent, R., Mugwagwa, T., van Lelyveld, SFL., Veel, E. M., Otto, S. A., Ackermans, M. T., Vermeulen, J. N., Huidekoper, H. H., Prins, J. M., Miedema, F., de Boer, R. J., Tesselaar, NA. & Borghans, JAM., Oct 2015, In: AIDS. 29, 16, p. 2071-2080

Maraviroc intensification of cART in patients with suboptimal immunological recovery: A 48-week, placebo-controlled randomized trial
van Lelyveld, S. F. L., Drylewicz, J., Krikke, M., Veel, E. M., Otto, S. A., Richter, C., Soetekouw, R., Prins, J. M., Brinkman, K., Mulder, J. W., Kroon, F., Middel, A., Symons, J., Wensing, A. M. J., Nijhuis, M., Borghans, J. A. M., Tesselaar, K. & Hoepelman, A. I. M., 24 Jul 2015, In: PLoS ONE [E]. 10, 7, e0132430.

Lymphocyte maintenance during healthy aging requires no substantial alterations in cellular turnover
Westera, L., van Hoeven, V., Drylewicz, J., Spierenburg, G., van Velzen, J. F., de Boer, R. J., Tesselaar, K. & Borghans, J. A. M., 1 Jan 2015, In: Aging Cell. 14, 2, p. 219-227 9 p.

Reconciling Estimates of Cell Proliferation from Stable Isotope Labeling Experiments
Ahmed, R., Westera, L., Drylewicz, J., Elemans, M., Zhang, Y., Kelly, E., Reljic, R., Tesselaar, K., de Boer, R. J., Macallan, D. C., Borghans, J. A. M. & Asquith, B., 2015, In: PLoS Computational Biology. 11, 10, e1004355.

Erratum to "NIMROD: A program for inference via normal approximation of the posterior in models with random effects based on ordinary differential equations" [Comput. Methods Programs Biomed. 111 (2) (2013) 447-458]
Prague, M., Commenges, D., Guedj, J., Drylewicz, J. & Thiébaut, R., 1 Mar 2014, In: Computer Methods and Programs in Biomedicine. 113, 3, 1 p.

Quantifying and Predicting the Effect of Exogenous Interleukin-7 on $CD4^+$T Cells in HIV-1 Infection
Thiébaut, R., Drylewicz, J., Prague, M., Lacabaratz, C., Beq, S., Jarne, A., Croughs, T., Sekaly, R. P., Lederman, M. M., Sereti, I., Commenges, D. & Lévy, Y., 1 Jan 2014, In: PLoS Computational Biology. 10, 5, e1003630.

T-cell homeostasis.
Drylewicz, J., Tesselaar, N. A. & Borghans, J. A. M., 2014, *Encyclopedia of AIDS.* Hope, T. J., Stevenson, M. & Richman, D. (eds.). New York: Springer, p. 1-8 8 p.

NIMROD: A program for inference via a normal approximation of the posterior in models with random effects based on ordinary differential equations
Prague, M., Commenges, D., Guedj, J., Drylewicz, J. & Thiébaut, R., 1 Aug 2013, In: Computer Methods and Programs in Biomedicine. 111, 2, p. 447-458 12 p.

Treatment Monitoring of HIV-Infected Patients based on Mechanistic Models
Prague, M., Commenges, D., Drylewicz, J. & Thiébaut, R., 1 Sept 2012, In: Biometrics. 68, 3, p. 902-911 10 p.

Inference in HIV dynamics models via hierarchical likelihood
Commenges, D., Jolly, D., Drylewicz, J., Putter, H. & Thiébaut, R., 1 Jan 2011, In: Computational Statistics and Data Analysis. 55, 1, p. 446-456 11 p.

First-year lymphocyte T $CD4^+$ response to antiretroviral therapy according to the HIV type in the IeDEA West Africa collaboration
Drylewicz, J., Eholie, S., Maiga, M., Zannou, D. M., Sow, P. S., Ekouevi, D. K., Peterson, K., Bissagnene, E., Dabis, F. & Thiébaut, R., 1 Apr 2010, In: AIDS. 24, 7, p. 1043-1050 8 p.

Score tests for exploring complex models: Application to HIV dynamics models
Drylewicz, J., Commenges, D. & Thiébaut, R., 1 Feb 2010, In: Biometrical Journal. 52, 1, p. 10-21 12 p.

Modeling the dynamics of biomarkers during primary HIV infection taking into account the uncertainty of infection date
Drylewicz, J., Guedj, J., Commenges, D. & Thiébaut, R., 1 Jan 2010, In: Annals of Applied Statistics. 4, 4, p. 1847-1870 24 p.

Comparison of viro-immunological marker changes between HIV-1 and HIV-2-infected patients in France
Drylewicz, J., Matheron, S., Lazaro, E., Damond, F., Bonnet, F., Simon, F., Dabis, F., Brun-Vezinet, F., Chêne, G. & Thiébaut, R., 1 Feb 2008, In: AIDS. 22, 4, p. 457-468 12 p.