

Yara Toenders
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Developmental Neuroscience in Society
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Research interests

Dr Yara Toenders is a postdoctoral researcher at the Erasmus University Rotterdam and Leiden University. Her research focusses on mental health and brain development in adolescents. In the SYNC lab she uses longitudinal data to study mood, sleep and brain structure in young people.

Yara previously obtained her PhD at the University of Melbourne, where she studied depression onset in young people, and the neural correlates associated with depression.

Research interests: Mental health, Brain development, Adolescence, Sleep

Onderzoeksinteresses: Mentaal welzijn, Hersenontwikkeling, Adolescentie, Slaap

Research outputs

Developing body estimation in adolescence is associated with neural regions that support self-concept

Toenders, Y. J., Dorsman, H., van der Crujisen, R. & Crone, E. A., 4 Jul 2024, In: Social Cognitive and Affective Neuroscience. 19, 1, nsae042.

From developmental neuroscience to policy: A novel framework based on participatory research

Toenders, Y. J., Green, K. H., Te Brinke, L. W., van der Crujisen, R., van de Groep, S. & Crone, E. A., Jun 2024, In: Developmental Cognitive Neuroscience. 67, 101398.

Mood variability during adolescent development and its relation to sleep and brain development

Toenders, Y. J., van der Crujisen, R., Runze, J., van de Groep, S., Wierenga, L. & Crone, E. A., 12 Apr 2024, In: Scientific Reports. 14, 1, 12 p., 8537.

Effects of COVID-19 pandemic on structural brain development in early adolescence

van Drunen, L., Toenders, Y. J., Wierenga, L. M. & Crone, E. A., 5 Apr 2023, In: Scientific Reports. 13, 1, p. 1-14 14 p., 5600.

The relation between cannabis use, dependence severity and white matter microstructure: A diffusion tensor imaging study

Cousijn, J., Toenders, Y., van Velzen, L. S. & Kaag, A. M., Jan 2022, In: Addiction Biology. 27, 1, e13081.

Characterizing use of a multicomponent digital intervention to predict treatment outcomes in first-episode psychosis: Cluster analysis

O'Sullivan, S., Schmaal, L., D'Alfonso, S., Toenders, Y. J., Valentine, L., McEnery, C., Bendall, S., Nelson, B., Gleeson, J. F. & Alvarez-Jimenez, M., 7 Apr 2022, In: JMIR Mental Health. 9, 4, e29211.

Inflammation and depression in young people: A systematic review and proposed inflammatory pathways

Toenders, Y. J., Laskaris, L., Davey, C. G., Berk, M., Milaneschi, Y., Lamers, F., Penninx, B. W. J. H. & Schmaal, L., Jan 2022, In: Molecular Psychiatry. 27, 1, p. 315-327 13 p.

Predicting depression onset in young people based on clinical, cognitive, environmental, and neurobiological Data

IMAGEN Consortium, Apr 2022, In: Biological Psychiatry-Cognitive Neuroscience and Neuroimaging. 7, 4, p. 376-384 9 p.

The association between clinical and biological characteristics of depression and structural brain alterations

Toenders, Y. J., Schmaal, L., Nawijn, L., Han, L. K. M., Binnewies, J., van der Wee, N. J. A., van Tol, M. J., Veltman, D. J., Milaneschi, Y., Lamers, F. & Penninx, B. W. J. H., 1 Sept 2022, In: Journal of Affective Disorders. 312, p. 268-274 7 p.

Classification of suicidal thoughts and behaviour in children: Results from penalised logistic regression analyses in the Adolescent Brain Cognitive Development study

van Velzen, L. S., Toenders, Y. J., Avila-Parcet, A., Dinga, R., Rabinowitz, J. A., Campos, A. I., Jahanshad, N., Rentería, M. E. & Schmaal, L., 2 Apr 2022, In: British Journal of Psychiatry. 220, 4, p. 210-218 9 p.

Risk factors for suicide attempt during outpatient care in adolescents with severe and complex depression

van Velzen, L. S., Toenders, Y. J., Kottaram, A., Youzhalveen, B., Pilkington, V., Cotton, S. M., Brooker, A., McKechnie, B., Rice, S. & Schmaal, L., 12 May 2022, In: *Crisis*. 44, 3, p. 232-239 8 p.

ENIGMA HALFPipe: Interactive, reproducible, and efficient analysis for resting-state and task-based fMRI data

Waller, L., Erk, S., Pozzi, E., Toenders, Y. J., Haswell, C. C., Büttner, M., Thompson, P. M., Schmaal, L., Morey, R. A., Walter, H. & Veer, I. M., 15 Jun 2022, In: *Human Brain Mapping*. 43, 9, p. 2727-2742 16 p.

Structural brain alterations associated with suicidal thoughts and behaviors in young people: Results from 21 international studies from the ENIGMA suicidal thoughts and behaviours consortium

ENIGMA Suicidal Thoughts and Behaviours Consortium, Nov 2022, In: *Molecular Psychiatry*. 27, 11, p. 4550-4560 11 p.

Imaging suicidal thoughts and behaviors: A comprehensive review of 2 decades of neuroimaging studies

Schmaal, L., van Harmelen, A.-L., Chatzi, V., Lippard, E. T. C., Toenders, Y. J., Averill, L. A., Mazure, C. M. & Blumberg, H. P., Feb 2020, In: *Molecular Psychiatry*. 25, 2, p. 408-427 20 p.

Neurovegetative symptom subtypes in young people with major depressive disorder and their structural brain correlates

Toenders, Y. J., Schmaal, L., Harrison, B. J., Dinga, R., Berk, M. & Davey, C. G., 20 Apr 2020, In: *Translational Psychiatry*. 10, 1, 108.

Neuroimaging predictors of onset and course of depression in childhood and adolescence: A systematic review of longitudinal studies

Toenders, Y. J., van Velzen, L. S., Heideman, I. Z., Harrison, B. J., Davey, C. G. & Schmaal, L., Oct 2019, In: *Developmental Cognitive Neuroscience*. 39, 100700.