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Reproductive Origins of Adult Health and Disease (ROAHD)
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Qualifications

Psychoneuropharmacology, PhD, Phenotyping the serotonin transporter knockout rat: a behavioural, pharmacological and physiological approach. A new animal model of human serotonergic disorders, Radboud University Medical Center
1-Nov-2003 → 1-Dec-2008
Award Date: 27-Nov-2008

Medical Biology, Master, Effects of acute and chronic apomorphine on sex behavior and copulation-induced neural activation in the male rat., Vrije Universiteit Amsterdam
2000 → 2002
Award Date: 1-Jul-2002

Zoology, Bachelor, CREB activity in the nucleus accumbens shell controls behavioral responses to naloxone., Hogeschool Utrecht
1995 → 2000
Award Date: 30-Jun-2000

Employment

Associate Professor

Olivier lab
University of Groningen
16-Jun-2014 → present

Reproductive Origins of Adult Health and Disease (ROAHD)

University of Groningen
Netherlands
1-Jan-2024 → present

Research outputs

Social housing conditions, hierarchical status and testing order affect behavioral test outcomes of male C57BL6/J mice
Schipper, L., van Heijningen, S., Karapetsas, G., Olivier, J. D. A. & van Dijk, G., 1-May-2025, In: *Physiology & Behavior*. 293, p. 114859 6 p.

Slight and hidden hearing loss in young rats is associated with impaired recognition memory and reduced myelination in the corpus callosum
Jagersma, J. D., Bakker, M., Olivier, J. D. A. & Pyott, S. J., Dec-2024, In: *Behavioral Neuroscience*. 138, 6, p. 397-408 12 p.

Efficacy, safety, and tolerability of psychedelics in treatment-resistant depression (TRD)

Olivier, B. & Olivier, J. D. A., 13-Sept-2024, *Recent Advances and Challenges in the Treatment of Major Depressive Disorder*. Kim, Y.-K. (ed.). Springer, p. 49-66 18 p. (Advances in experimental medicine and biology; vol. 1456).

Sex-specific transcriptomic changes in the villous tissue of placentas of pregnant women using a selective serotonin reuptake inhibitor

Staal, L., Plösch, T., Kunovac Kallak, T., Sundström Poromaa, I., Wertheim, B. & Olivier, J. D. A., 20-Mar-2024, In: *ACS chemical neuroscience*. 15, 6, p. 1074–1083 10 p.

A new approach to 'on-demand' treatment of lifelong premature ejaculation by treatment with a combination of a 5-HT_{1A} receptor antagonist and SSRI in rats

Olivier, J. D. A., Janssen, J. A., Esquivel-Franco, D. C., de Prêtre, S. & Olivier, B., 2023, In: *Frontiers in Neuroscience*. 17, 15 p., 1224959.

Perinatal exposure to fluoxetine and maternal adversity affect myelin-related gene expression and epigenetic regulation in the corticolimbic circuit of juvenile rats

Ramsteijn, A. S., Verkaik-Schakel, R. N., Houwing, D. J., Plösch, T. & Olivier, J. D. A., Aug-2022, In: *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*. 47, p. 1620–1632 13 p.

Antidepressants, sexual behavior, and translational models for male sexual dysfunction: Development of animal models, pharmacology, and genetics

Olivier, J., Janssen, J., Pattij, T., De Prêtre, S. & Olivier, B., 12-Feb-2022, *Translational Research Methods for Major Depressive Disorder*. Kim, Y. K. & Amidfar, M. (eds.). New York: Humana, New York, NY, Vol. 179. p. 451-515 64 p. (Neuromethods; vol. 179).

Effects of perinatal fluoxetine exposure on novelty-induced social and non-social investigation behaviors in a seminatural environment

Sylte, O. C., Johansen, J. S., Heinla, I., Houwing, D. J., Olivier, J. D. A., Heijkoop, R. & Snoeren, E. M. S., Dec-2021, In: *Psychopharmacology*. 238, p. 3653–3667

Editorial: The complex biopsychosocial interactions that create stress resilience

Sucecki, D., Souza-Talarico, J. N., Hamani, C. & Olivier, J. D., 22-Nov-2021, In: *Frontiers in Behavioral Neuroscience*. 15, 2 p., 795312.

Jong geleerd is oud gedaan

Olivier, J. & Peels-Matthey, S., 1-Sept-2021, *Achterhaalde Waarheid? Zin en onzin van spreekwoorden*. Bolderdijk, J. W., Peels-Matthey, S. & Popkema, A. (eds.). Assen: In Boekvorm Uitgevers, p. 72-77 6 p.

Achterhaalde waarheid? Zin en onzin van spreekwoorden

Bolderdijk, J. W., Peels-Matthey, S., Popkema, A. & Olivier, J., Sept-2021, Assen: In Boekvorm Uitgevers.

Male rat sexual behavior: Insights from inter-copulatory intervals

Huijgens, P. T., Guarraci, F. A., Olivier, J. D. A. & Snoeren, E. M. S., Sept-2021, In: *Behavioural Processes*. 190, 10 p., 104458.

The continued need for animals to advance brain research

Homberg, J. R., Adan, R. A. H., Alenina, N., Asiminas, A., Bader, M., Beckers, T., Begg, D. P., Blokland, A., Burger, M. E., van Dijk, G., Eisel, U. L. M., Elgersma, Y., Englitz, B., Fernandez-Ruiz, A., Fitzsimons, C. P., van Dam, A.-M., Gass, P., Grandjean, J., Havekes, R. & Henckens, M. J. A. G. & 54 others, Herden, C., Hut, R. A., Jarrett, W., Jeffrey, K., Jezova, D., Kalsbeek, A., Kamermans, M., Kas, M. J., Kasri, N. N., Kiliaan, A. J., Kolk, S. M., Korosi, A., Korte, S. M., Kozicz, T., Kushner, S. A., Leech, K., Lesch, K.-P., Lesscher, H., Lucassen, P. J., Luthi, A., Ma, L., Mallien, A. S., Meerlo, P., Mejias, J. F., Meye, F. J., Mitchell, A. S., Mul, J. D., Olcese, U., González, A. O., Olivier, J. D. A., Pasqualetti, M., Pennartz, C. M. A., Popik, P., Prickaerts, J., de la Prida, L. M., Ribeiro, S., Roozendaal, B., Rossato, J. I., Salari, A.-A., Schoemaker, R. G., Smit, A. B., Vanderschuren, L. J. M. J., Takeuchi, T., van der Veen, R., Smidt, M. P., Vyazovskiy, V. V., Wiesmann, M., Wierenga, C. J., Williams, B., Willuhn, I., Wöhr, M., Wolvekamp, M., van der Zee, E. A. & Genzel, L., 4-Aug-2021, In: *Neuron*. 109, 15, p. 2374-2379 6 p.

De effecten van het gebruik van antidepressiva tijdens de zwangerschap in het nageslacht

Olivier, J., 15-Mar-2021

Consequences of early hearing loss on brain and behavior in rats

Jagersma, J., Olivier, J. & Pyott, S. J., 2021.

Neurobiological underpinnings of noise induced hearing loss on altered social and cognitive behavior: evaluation of cortical thickness and neurogenesis

Jagersma, J., Olivier, J. & Pyott, S. J., 2021.

Neurobiological underpinnings of noise induced hearing loss on altered social and cognitive behavior: evaluation of cortical thickness and neurogenesis

Jagersma, J., Olivier, J. & Pyott, S. J., 2021.

Correction: How the COVID-19 pandemic highlights the necessity of animal research (vol 30, pg R1014, 2020)

Genzel, L., Adan, R., Berns, A., van den Beucken, J. J. J. P., Blokland, A., Boddeke, E. H. W. G. M., Bogers, W. M., Bontrop, R., Bulthuis, R., Bousema, T., Clevers, H., Coenen, T. C. J. J., van Dam, A.-M., Deen, P. M. T., van Dijk, K. W., Eggen, B. J. L., Elgersma, Y., Erdogan, I., Englitz, B. & van Vlissingen, J. M. F. & 62 others, la Fleur, S., Fouchier, R., Fitzsimons, C. P., Frieling, W., Haagmans, B., Heesters, B. A., Henckens, M. J. A. G., Herfst, S., Hol, E., van den Hove, D., de Jonge, M. I., Jonkers, J., Joosten, L. A. B., Kalsbeek, A., Kamermans, M., Kampinga, H. H., Kas, M. J., Keijer, J., Kersten, S., Kiliaan, A. J., Kooij, T. W. A., Kooijman, S., Koopman, W. J. H., Korosi, A., Krugers, H. J., Kuiken, T., Kushner, S. A., Langermans, J. A. M., Lesscher, H. M. B., Lucassen, P. J., Lutgens, E., Netea, M. G., Noldus, L. P. J. J., van der Meer, J. W. M., Meye, F. J., Mul, J. D., van Oers, K., Olivier, J. D. A., Pasterkamp, R. J., Philippens, I. H. C. H. M., Prickaerts, J., Pollux, B. J. A., Rensen, P. C. N., van Rheenen, J., van Rij, R. P., Ritsma, L., Rockx, B. H. G., Roozendaal, B., van Schothorst, E. M., Stittelaar, K., Stockhofe, N., Swaab, D. F., de Swart, R. L., Vanderschuren, L. J. M. J., de Vries, T. J., de Vrij, F., van Wezel, R., Wierenga, C. J., Wiesmann, M., Willuhn, I., de Zeeuw, C. I. & Homberg, J. R., 2-Nov-2020 , In: Current Biology. 30, 21, p. 4328-4328 1 p.

Female rat sexual behavior is unaffected by perinatal fluoxetine exposure

Hegstad, J., Huijgens, P. T., Houwing, D. J., Olivier, J. D. A., Heijkoop, R. & Snoeren, E. M. S., Oct-2020, In: Psychoneuroendocrinology. 120, 14 p., 104796.

How the COVID-19 pandemic highlights the necessity of animal research

Genzel, L., Adan, R., Berns, A., van den Beucken, J., Blokland, A., Boddeke, E. H. W. G. M., Bogers, W. M., Bontrop, R., Bulthuis, R., Bousema, T., Clevers, H., Coenen, T. C. J. J., Dam, A.-M. V., Deen, P. M. T., van Dijk, K. W., Eggen, B. J. L., Elgersma, Y., Erdogan, I., Englitz, B. & Fentener van Vlissingen, J. M. & 62 others, la Fleur, S., Fouchier, R., Fitzsimons, C. P., Frieling, W., Haagmans, B., Heesters, B. A., Henckens, M., Herfst, S., Hol, E., van den Hove, D., de Jonge, M. I., Jonkers, J., Joosten, L. A. B., Kalsbeek, A., Kamermans, M., Kampinga, H. H., Kas, M. J., Keijer, J., Kersten, S., Kiliaan, A. J., Kooij, T. W. A., Kooijman, S., Koopman, W. J. H., Korosi, A., Krugers, H. J., Kuiken, T., Kushner, S. A., Langermans, J. A. M., Lesscher, H., Lucassen, P. J., Lutgens, E., Netea, M. G., Noldus, L. P. J. J., van der Meer, J. W. M., Meye, F. J., Mul, J. D., van Oers, K., Olivier, J. D. A., Pasterkamp, R. J., Philippens, I. H. C. H. M., Prickaerts, J., Pullox, B. J. A., Rensen, P. C. N., van Rheenen, J., van Rij, R. P., Ritsma, L., Rockx, B. H. G., Roozendaal, B., van Schothorst, E. M., Stittelaar, K., Stockhofe, N., Swaab, D. F., de Swart, R. L., Vanderschuren, L. J. M. J., de Vries, T., de Vrij, F., van Wezel, R., Wierenga, C. J., Wiesmann, M., Willuhn, I., de Zeeuw, C. I. & Homberg, J. R., 21-Sept-2020, In: Current Biology. 30, 18, p. R1014-R1018 5 p.

Perinatal fluoxetine treatment and dams' early life stress history have opposite effects on aggressive behavior while having little impact on sexual behavior of male rat offspring

Houwing, D. J., Esquivel-Franco, D. C., Ramsteijn, A. S., Schuttel, K., Struik, E. L., Arling, C., de Boer, S. F. & Olivier, J. D. A., Sept-2020, In: Psychopharmacology. 237, 9, p. 2589-2600 12 p.

Perinatal fluoxetine treatment and dams' early life stress history alter affective behavior in rat offspring depending on serotonin transporter genotype and sex

Houwing, D. J., Schuttel, K., Struik, E. L., Arling, C., Ramsteijn, A. S., Heinla, I. & Olivier, J. D. A., 17-Aug-2020, In: Behavioural Brain Research. 392, 10 p., 112657.

Third-party prosocial behavior in adult female rats is impaired after perinatal fluoxetine exposure

Heinla, I., Heijkoop, R., Houwing, D. J., Olivier, J. D. A. & Snoeren, E. M. S., 1-Aug-2020, In: Physiology & Behavior. 222, 11 p., 112899.

Antidepressant treatment with fluoxetine during pregnancy and lactation modulates the gut microbiome and metabolome in a rat model relevant to depression

Ramsteijn, A. S., Jašarević, E., Houwing, D. J., Bale, T. L. & Olivier, J. D., Jul-2020, In: Gut Microbes. 11, 4, p. 735-753 19 p.

Perinatal selective serotonin reuptake inhibitor exposure and behavioral outcomes: A systematic review and meta-analyses of animal studies

Ramsteijn, A. S., Van de Wijer, L., Rando, J., van Luijk, J., Homberg, J. R. & Olivier, J. D. A., Jul-2020, In: *Neuroscience and Biobehavioral Reviews*. 114, p. 53-69 17 p.

Perinatal fluoxetine exposure disrupts the circadian response to a phase-shifting challenge in female rats

Houwing, D. J., de Waard, J., Ramsteijn, A. S., Woelders, T., de Boer, S. F., Wams, E. J. & Olivier, J. D. A., 12-Jun-2020, In: *Psychopharmacology*. 237, 8, p. 2555-2568 14 p.

Pharmacological studies on the role of 5-HT_{1A} receptors in male sexual behavior of wildtype and serotonin transporter knockout rats

Esquivel-Franco, D. C., de Boer, S. F., Waldinger, M., Olivier, B. & Olivier, J. D. A., 31-Mar-2020, In: *Frontiers in Behavioral Neuroscience*. 14, 15 p., 40.

Translational studies in the complex role of neurotransmitter systems in anxiety and anxiety disorders

Olivier, J. D. A. & Olivier, B., 2020, *Anxiety Disorders*. Kim, Y. K. (ed.). Singapore: Springer, p. 121-140 20 p. (Advances in experimental medicine and biology; vol. 1191).

The effect of antenatal depression and antidepressant treatment on placental tissue: A protein-validated gene expression study

Edvinsson, Å., Hellgren, C., Kunovac Kallak, T., Åkerud, H., Skalkidou, A., Stener-Victorin, E., Fornes, R., Spigset, O., Lager, S., Olivier, J. & Sundström-Poromaa, I., 5-Dec-2019, In: *BMC Pregnancy and Childbirth*. 19, 1, 479.

Influences of maternal vulnerability and antidepressant treatment during pregnancy on the developing offspring

Olivier, J. & Staal, L., 20-Nov-2019, *Antidepressants - Preclinical, Clinical and Translational Aspects*. Olivier, B. (ed.). IntechOpen

Antidepressants and sexual dysfunctions: A translational perspective

Olivier, J. & Olivier, B., 17-Jul-2019, In: *Current sexual health reports*. 11, p. 156-166 11 p.

Constitutive serotonin transporter reduction resembles maternal separation with regard to stress-related gene expression

Comasco, E., Schijven, D., de Maeyer, H., Vrettou, M., Nylander, I., Sundström-Poromaa, I. & Olivier, J. D. A., 17-Jul-2019, In: *ACS chemical neuroscience*. 10, p. 3132-3142 11 p.

Perinatal fluoxetine exposure changes social and stress-coping behavior in adult rats housed in a seminatural environment

Houwing, D. J., Heijkoop, R., Olivier, J. D. A. & Snoeren, E. M. S., Jun-2019, In: *Neuropharmacology*. 151, p. 84-97 14 p.

Subjecting dams to early life stress and perinatal fluoxetine treatment differentially alters social behavior in young and adult rat offspring

Houwing, D. J., Staal, L., Swart, J. M., Ramsteijn, A. S., Woehr, M., de Boer, S. F. & Olivier, J. D. A., 12-Mar-2019, In: *Frontiers in Neuroscience*. 13, 15 p., 229.

Maternal separation induces anhedonia in female heterozygous serotonin transporter knockout rats

Houwing, D. J., Ramsteijn, A. S., Riemersma, I. W. & Olivier, J. D. A., 1-Jan-2019, In: *Behavioural Brain Research*. 356, p. 204-207 4 p.

Serotonin and sexual behavior

Olivier, J., Esquivel Franco, D., Waldinger, M. D. & Olivier, B., 2019, *The Serotonin System: History, Neuropharmacology, and Pathology*. Tricklebank, M. & Daly, E. (eds.). Elsevier, p. 117-132

Using Ethovision XT as educational tool (Noldus)

Olivier, J., 2019

Tramadol's inhibitory effects on sexual behavior: Pharmacological studies in serotonin transporter knockout rats

Esquivel-Franco, D. C., Olivier, B., Waldinger, M. D., Gutierrez-Ospina, G. & Olivier, J. D. A., 27-Jun-2018, In: *Frontiers in Pharmacology*. 9, 11 p., 676.

Rats exposed to maternal depression and antidepressant treatment during development show sex differences in social behavior

Houwing, D. J., Ramsteijn, A. S., Staal, L., Swart, J. M. & Olivier, J. D. A., 3-Sept-2017, p. S667-S668. 2 p.

Serotonin transporter genotype modulates the gut microbiota composition in young rats, an effect augmented by early life stress

El Aidy, S., Ramsteijn, A. S., Dini-Andreote, F., van Eijk, R., Houwing, D. J., Salles, J. F. & Olivier, J. D. A., 3-Aug-2017, In: *Frontiers in cellular neuroscience*. 11, 12 p., 222.

Sexual dysfunction, depression and antidepressants: A translational approach

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The serotonin transporter and early life stress: Translational perspectives

Houwing, D. J., Buwalda, B., van der Zee, E. A., de Boer, S. F. & Olivier, J. D. A., 26-Apr-2017, In: *Frontiers in cellular neuroscience*. 11, 16 p., 117.

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Olivier, J. D. A., Esquivel Franco, D. C., Oosting, R., Waldinger, M., Sarnyai, Z. & Olivier, B., Apr-2017, In: *Neuropharmacology*. 116, p. 50-58 9 p.

Lower inflammatory markers in women with antenatal depression brings the M1/M2 balance into focus from a new direction

Edvinsson, Å., Bränn, E., Hellgren, C., Freyhult, E., White, R., Kamali-Moghaddam, M., Olivier, J., Bergquist, J., Boström, A. E., Schiöth, H. B., Skalkidou, A., Cunningham, J. L. & Sundström-Poromaa, I., 28-Feb-2017, In: *Psychoneuroendocrinology*. 80, p. 15-25 11 p.

Mid-pregnancy corticotropin-releasing hormone levels in association with postpartum depressive symptoms

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Prenatal exposure to serotonin reuptake inhibitor antidepressants and offspring social behaviour

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Placebo: Een ingewikkeld fenomeen

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Kaihola, H., Yaldir, F. G., Hreinsson, J., Hornaeus, K., Bergquist, J., Olivier, J. D. A., Akerud, H. & Sundstrom-Poromaa, I., 16-Jun-2016, In: *Frontiers in cellular neuroscience*. 10, 10 p., 160.

Tandem mass spectrometry determined maternal cortisone to cortisol ratio and psychiatric morbidity during pregnancy-interaction with birth weight

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The role of the dopamine D1 receptor in social cognition: Studies using a novel genetic rat model

Homberg, J. R., Olivier, J. D. A., VandenBroeke, M., Youn, J., Ellenbroek, A. K., Karel, P., Shan, L., van Boxtel, R., Ooms, S., Balemans, M., Langedijk, J., Muller, M., Vriend, G., Cools, A. R., Cuppen, E. & Ellenbroek, B. A., 2016, In: *Disease models & mechanisms*. 2016, 9, p. 1147-1158 12 p.

Gene expression in placentas from nondiabetic women giving birth to large for gestational age infants

Ahlsson, F., Åkerud, H., Schijven, D., Olivier, J. & Sundstrom-Poromaa, I., Oct-2015, In: Reproductive Sciences. 22, 10, p. 1281-1288 8 p.

Supraphysiological hormonal status, anxiety disorders, and COMT Val/Val genotype are associated with reduced sensorimotor gating in women

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The effect of antidepressant treatment during pregnancy on social behaviour in the offspring

Houwing, D., Staal, L. & Olivier, J., 1-Sept-2015, p. S383.

Treatment with serotonin reuptake inhibitors during pregnancy is associated with elevated corticotropin-releasing hormone levels

Hannefors, A.-K., Hellgren, C., Schijven, D., Iliadis, S., Comasco, E., Skalkidou, A., Olivier, J. D. A. & Sundstrom-Poromaa, I. S., Aug-2015, In: Psychoneuroendocrinology. 58, p. 104-113 10 p.

Antenatal depression and antidepressants during pregnancy: Unraveling the complex interactions for the offspring

Olivier, J. D. A., Akerud, H. & Poromaa, I. S., 15-Apr-2015, In: European Journal of Pharmacology. 753, p. 257-262 6 p.

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The effects of antenatal depression and antidepressant treatment on placental gene expression

Olivier, J. D. A., Åkerud, H., Skalkidou, A., Kaiholo, H. & Sundström-Poromaa, I., 13-Jan-2015, In: Frontiers in cellular neuroscience. 8, 17 p., 465.

De impact van maternale depressie en antidepressiva tijdens de zwangerschap op de nakomelingen.

Olivier, J., 2015, In: Neuropraxis. 19, 2, p. 25-30 6 p.

Serotonin 1A receptors and sexual behavior in a genetic model of depression

Schijven, D., Sousa, V. C., Roelofs, J., Olivier, B. & Olivier, J. D. A., Jun-2014, In: Pharmacology, Biochemistry and Behavior. 121, p. 82-87 6 p.

The role of the serotonergic and GABA system in translational approaches in drug discovery for anxiety disorders

Olivier, J. D. A., Vinkers, C. H. & Olivier, B., 13-Jun-2013, In: Frontiers in Pharmacology. 4, 17 p., 74.

The effects of maternal depression and maternal selective serotonin reuptake inhibitor exposure on offspring

Olivier, J. D. A., Akerud, H., Kaiholo, H., Pawluski, J. L., Skalkidou, A., Högberg, U. & Sundström-Poromaa, I., 21-May-2013, In: Frontiers in cellular neuroscience. 7, 15 p., 73.

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Kokras, N., Pitychoutis, P., Papadopoulou-Daifoti, Z. & Olivier, J., 2013, *The differential involvement of the serotonergic system in depression and antidepressant treatment of males and females*. (Serotonin Biosynthesis, Regulation and Health Implications; vol. chapter 6).

Erratum: Developmental Influence of the Serotonin Transporter on the Expression of Npas4 and GABAergic Markers: Modulation by Antidepressant Treatment

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Developmental influence of the serotonin transporter on the expression of npas4 and GABAergic markers: Modulation by antidepressant treatment
Guidotti, G., Calabrese, F., Auletta, F., Olivier, J., Racagni, G., Homberg, J. & Riva, M. A., Feb-2012, In: *Neuropsychopharmacology* : official publication of the American College of Neuropsychopharmacology. 37, 3, p. 746-58
13 p.

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Olivier, J. D. A., Blom, T., Arentsen, T. & Homberg, J. R., 1-Aug-2011, In: *Progress in Neuro-Psychopharmacology & Biological Psychiatry*. 35, 6, p. 1400-8
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Differences in sexual behaviour in male and female rodents: Role of serotonin
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A study in male and female 5-HT transporter knockout rats: An animal model for anxiety and depression disorders

Olivier, J. D. A., Van Der Hart, M. G. C., Van Swelm, R. P. L., Dederen, P. J., Homberg, J. R., Cremers, T., Deen, P. M. T., Cuppen, E., Cools, A. R. & Ellenbroek, B. A., 27-Mar-2008, In: *Neuroscience*. 152, 3, p. 573-584 12 p.

Effects of acute and chronic apomorphine on sex behavior and copulation-induced neural activation in the male rat

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Characterization of the serotonin transporter knockout rat: A selective change in the functioning of the serotonergic system

Homberg, J. R., Olivier, J. D. A., Smits, B. M. G., Mul, J. D., Mudde, J., Verheul, M., Nieuwenhuizen, O. F. M., Cools, A. R., Ronken, E., Cremers, T., Schoffelmeere, A. N. M., Ellenbroek, B. A. & Cuppen, E., 8-Jun-2007, In: *Neuroscience*. 146, 4, p. 1662-1676 15 p.

Generation of gene knockouts and mutant models in the laboratory rat by ENU-driven target-selected mutagenesis

Smits, B. M. G., Mudde, J. B., van de Belt, J., Verheul, M., Olivier, J., Homberg, J., Guryev, V., Cools, A. R., Ellenbroek, B. A., Plasterk, R. H. A. & Cuppen, E., Mar-2006, In: *PHARMACOGENETICS AND GENOMICS*. 16, 3, p. 159-169 11 p.

Reversal of startle gating deficits in transgenic mice overexpressing corticotropin-releasing factor by antipsychotic drugs

Dirks, A., Groenink, L., Westphal, K. G. C., Olivier, J. D. A., Verdouw, P. M., van der Gugten, J., Geyer, M. A. & Olivier, B., Oct-2003, In: *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*. 28, 10, p. 1790-1798 9 p.

CREB activity in the nucleus accumbens shell controls gating of behavioral responses to emotional stimuli

Barrot, M., Olivier, J. D. A., Perrotti, L. I., DiLeone, R. J., Berton, O., Eisch, A. J., Impey, S., Storm, D. R., Neve, R. L., Yin, J. C., Zachariou, V. & Nestler, E. J., 20-Aug-2002, In: *Proceedings of the National Academy of Sciences of the United States of America*. 99, 17, p. 11435-11440 6 p.

Activities

NWO Life 2023

Olivier, J. (Member of scientific committee)

1-Jan-2023 → 1-Aug-2023

Dutch Neuroscience Meeting 2023

Olivier, J. (Treasurer of organising committee)

2023

Developmental programming

Olivier, J. (Invited speaker)
24-Nov-2022

The effects of maternal serotonin levels on regulatory mechanisms controlling development and behavioural outcome in the offspring

Olivier, J. (Invited speaker)
14-Sept-2022

Sexual Healing?

Olivier, J. (Speaker)
20-Aug-2022

Preclinical evidence for a new on-demand treatment for lifelong premature ejaculation: enduro

Olivier, J. (Speaker)
10-Jun-2022

De Jonge Onderzoekers - Natuur & Techniek-cursus 2022

Olivier, J. (Contributor) & Hoornenborg, W. (Contributor)
20-May-2022

Fundació La Marató de TV3 (External organisation)

Olivier, J. (Reviewer)
1-May-2022 → 15-Jul-2022

5 year lustrum Young Academy Groningen

Olivier, J. (Organiser)
7-Apr-2022

Preclinical evidence for a new on-demand treatment for lifelong premature ejaculation: enduro

Olivier, J. (Speaker)
19-Feb-2022

NWO Life2022

Olivier, J. (Member of scientific committee)
1-Jan-2022 → 1-Aug-2022

Dutch Neuroscience Meeting 2022

Olivier, J. (Treasurer of organising committee)
2022

Worldwide Women in Neuroscience - Partnership and Collaboration Committee (External organisation)

Olivier, J. (Member)
2022 → ...

Women in Science: Moving forward or backwards after the COVID-19 pandemic

Olivier, J. (Invited speaker)
23-Nov-2021

Noorderzon

Olivier, J. (Organiser)
17-Aug-2021 → 18-Aug-2021

Association of the serotonin transporter with gut microbiome composition

Olivier, J. (Speaker)
21-Jun-2021

European Association for Animal Research (EARA) - Transparency Thursday

Olivier, J. (Contributor)
14-Apr-2021

Current Topics in Behavioral Neurosciences (Journal)

Olivier, J. (Editorial board member)
2021 → ...

Dutch Neuroscience Meeting 2021

Olivier, J. (Treasurer of organising committee)
2021

The effects of abnormal serotonin levels during perinatal development

Olivier, J. (Keynote speaker)
15-Sept-2020

Young Academy Groningen (YAG) (External organisation)

Olivier, J. (Member of board)
1-Sept-2020 → 1-Sept-2022

How the serotonin transporter influences the microbiome and metabolites

Olivier, J. (Invited speaker)
17-Feb-2020

The mediating role of the placenta in antidepressant exposure in the live-bearing fish family Poeciliidae

Staal, L. (Speaker), Haan, F. J. (Contributor), Wang, Y. (Contributor), Gusselkloo, S. W. S. (Contributor), Plosch, T. (Contributor), Wertheim, B. (Contributor), Pollux, B. J. A. (Contributor) & Olivier, J. D. A. (Contributor)
12-Feb-2020

Sexual behavior in male serotonin transporter knockout rats

Olivier, J. (Speaker)
24-Jan-2020

European Brain and Pharmacology Society (EBPS) Biennial Meeting 2021

Olivier, J. (Organiser)
1-Jan-2020 → 1-Aug-2022

Brain Cognition Behavior – The Netherlands (BCB-NL) (External organisation)

Olivier, J. (Member) & Groothuis, T. (Member)
2020 → ...

Current Topics in Behavioral Neurosciences (Journal)

Olivier, J. (Editor)
2020 → ...

Frontiers in Behavioral Neuroscience (Journal)

Olivier, J. (Guest editor)
2020 → 2021

Serotonergic antidepressants during development

Olivier, J. (Invited speaker)
20-Nov-2019

Women in Science: We can have it all!

Olivier, J. (Invited speaker)
14-Nov-2019

The role of serotonin during development

Olivier, J. (Speaker)
1-Nov-2019

Drugs and development

Olivier, J. (Speaker)
2-Oct-2019

Perinatal fluoxetine exposure and maternal early life stress differentially alter social behavior in young and adult rat offspring

Olivier, J. (Speaker)
24-Sept-2019

Universiteit van Noorderzon

Olivier, J. (Contributor) & Douwenga, W. (Contributor)
19-Aug-2019

Universiteit van Noorderzon

Olivier, J. (Organiser) & Rauws, W. (Organiser)
16-Aug-2019 → 20-Aug-2019

Universiteit van Noorderzon

Olivier, J. (Contributor), Peters, L. (Contributor) & Weiland, S. (Contributor)
16-Aug-2019

De Nacht van Kunst & Wetenschap

Olivier, J. (Contributor) & Douwenga, W. (Contributor)
8-Jun-2019

De Nacht van Kunst & Wetenschap

Olivier, J. (Contributor)
8-Jun-2019

De Nacht van Kunst & Wetenschap

Olivier, J. (Member of organising committee)
8-Jun-2019

The effects of maternal serotonin levels on regulatory mechanisms controlling development and behavioral outcome in the offspring

Olivier, J. (Speaker)
28-May-2019

Young Academy of Groningen Early-Career Researcher's Lunch: Public engagement

Olivier, J. (Organiser)
23-Apr-2019

Young Academy of Groningen Early-Career Researcher's Lunch

Olivier, J. (Organiser)
6-Feb-2019

Dutch Neuroscience Meeting 2019

Olivier, J. (Treasurer of organising committee)
2019

Stichting Neurofederatie (Dutch Neurofederation) (External organisation)

Olivier, J. (Treasurer)
1-Jul-2018 → ...

Daily life of a Tenure Tracker

Olivier, J. (Invited speaker)
30-May-2018

Animal models of reproduction and development

Olivier, J. (Speaker)
2018

Dutch Neuroscience meeting 2018

Olivier, J. (Chair/vice-chair of organising committee)
2018

Frontiers in Neuroscience (Journal)

Olivier, J. (Guest editor)
2018 → 2019

PhD project Romy Smit - Evolutionary aspects of microchimerism

Kas, M. (Supervisor), Laman, J. D. (Supervisor), Olivier, J. (Supervisor) & Elliot, M. (Co-supervisor)
2018 → 2025

Role of developmental serotonin in fish, rats, and humans

Olivier, J. (Speaker)
2-Nov-2017

The effects of maternal stress and antidepressant treatment during pregnancy on social behaviour in the offspring

Olivier, J. (Invited speaker)
20-Oct-2017

Antidepressants during pregnancy

Olivier, J. (Keynote speaker)
16-Feb-2017

Dutch Neuroscience meeting 2017

Olivier, J. (Chair/vice-chair of organising committee)
2017

Serotonin during development

Olivier, J. (Speaker)
9-Nov-2016

Cinekid Festival 2016

Olivier, J. (Contributor)
Oct-2016

Cinekid Groningen - Proefjes Spektakel

Olivier, J. (Advisor)
Oct-2016

Dutch Neuroscience Meeting 2016

Olivier, J. (Member of scientific committee)
2016

Translational animal models in Neuroscience for anxiety and depression

Olivier, J. (Invited speaker)
2016

The effects of antidepressant treatment during pregnancy on social behavior in rat offspring

Olivier, J. (Speaker)
27-Nov-2015

Antidepressants during pregnancy - For better or worse?

Olivier, J. (Invited speaker)
9-Apr-2015

Dutch Neuroscience Meeting 2015

Olivier, J. (Member of scientific committee)
2015

German-Israeli Foundation for Scientific Research and Development (External organisation)

Olivier, J. (Reviewer)
2015 → 2017

The impact of selective serotonin reuptake inhibitors intake during pregnancy

Olivier, J. (Keynote speaker)
8-Jul-2014

Antidepressant treatment during pregnancy: The impact of serotonin in the developing brain

Olivier, J. (Invited speaker)
24-Mar-2014

Prizes**BCN Poster Prize**

Jagersma, J. (Recipient), Olivier, J. (Recipient) & van Tuinen-Pyott, S. (Recipient), 4-Feb-2021

BCN Seed Grant

Jagersma, J. (Recipient), Koch, U. (Recipient), Olivier, J. (Recipient) & van Tuinen-Pyott, S. (Recipient), 21-Dec-2021

Marie Skłodowska Curie Individual Fellowship

Olivier, J. (Recipient), 1-May-2015

NARSAD Young Investigator Grant

Olivier, J. (Recipient), 2016

Young Academy Groningen (YAG)

Olivier, J. (Recipient), 2018

Press/Media

1 op de 5 zwangere vrouwen krijgt depressie-klachten, mogen zij antidepressiva?

Olivier, J.

15/12/2019

1 Media contribution

Announcement in the newsletter of Faculty Mathematics and Natural Sciences University of Groningen

Olivier, J.

27/01/2016

1 item of Media coverage

Anti-depressants use during pregnancy

Olivier, J.

07/12/2020

1 Media contribution

De Universiteit van Noorderzon

Olivier, J., Rauws, W., Hoornborg, W., Peters, L., Weiland, S., Douwenga, W., Cabrera Arreola, A. & Scheurink, A.

12/08/2019 → 19/08/2019

4 items of Media coverage

dr Kelder en Co - Depressieve ratjes

Olivier, J.

04/06/2022

1 Media contribution

Fascinatie voor serotonine

Pyott, S. & Olivier, J.

15/03/2021

1 Media contribution

Hoe blijf je positief in de donkere maanden? Tips van een neurowetenschapper

Olivier, J.

12/09/2021

1 item of Media coverage

Honderden gebreide neuronen vormen kunstwerk

Olivier, J., de Heij, M. & Smit, R.

07/05/2019 → 08/06/2019

1 item of Media coverage, 1 Media contribution

Jocelien Olivier has been awarded a Marie Slowdovska Curie Individual Fellowship MSCA IF

Olivier, J.

05/02/2015

1 item of Media coverage

National journal Neuropraxis: De impact van maternale depressive en antidepressiva tijdens de zwangerschap op de nakomelingen.

Olivier, J.

01/01/2015

1 Media contribution

Pass-on blog Making Connections – Jocelien Olivier on the strategic priorities of the Young Academy Groningen

Olivier, J.

08/11/2021

1 Media contribution

Radio interview at BNR Newsradio

Olivier, J.

06/12/2016

1 Media contribution

Research into the effects of antidepressants during pregnancy

Olivier, J.

01/01/2015

1 Media contribution

Serotonine: meer dan een geluksstofje

Olivier, J.

20/02/2025

1 item of Media coverage

What can be changed in order to improve dignity within mental health?

Olivier, J.

30/08/2015

1 Media contribution

Young Academy Groningen welcomes eight new members

Olivier, J.

01/10/2018 → 02/10/2018

1 item of Media coverage, 1 Media contribution

Awards