

## Publications for Ross Grant

### 2018

Seyedsadjadi, N., Berg, J., Bilgin, A., Grant, R. (2018). A Pilot Study Providing Evidence for a Relationship between a Composite Lifestyle Score and Risk of Higher Carotid Intima-Media Thickness: Is There a Link to Oxidative Stress? *Oxidative Medicine and Cellular Longevity*, 2018, 1-12. <a href="http://dx.doi.org/10.1155/2018/4504079">[More Information]</a>

Seyedsadjadi, N., Berg, J., Bilgin, A., Braidy, N., Salonikas, C., Grant, R. (2018). High protein intake is associated with low plasma NAD<sup>+</sup> levels in a healthy human cohort. *PLoS One*, 13(8), 1-14. <a href="http://dx.doi.org/10.1371/journal.pone.0201968">[More Information]</a>

Grant, R. (2018). Indoleamine 2,3-dioxygenase activity increases NAD<sup>+</sup> production in IFN- $\gamma$ -stimulated human primary mononuclear cells. *International Journal of Tryptophan Research*, 11, 1-8. <a href="http://dx.doi.org/10.1177/1178646917751636">[More Information]</a>

Braidy, N., Grant, R., Sachdev, P. (2018). Nicotinamide adenine dinucleotide and its related precursors for the treatment of Alzheimer's disease. *Current Opinion in Psychiatry*, 31(2), 160-166. <a href="http://dx.doi.org/10.1097/YCO.0000000000000394">[More Information]</a>

Liu, Y., Clement, J., Grant, R., Sachdev, P., Braidy, N. (2018). Quantitation of NAD<sup>+</sup>: Why do we need to measure it? *Biochimica et Biophysica Acta: international journal of biochemistry and biophysics*, 1862 (12), 2527-2532. <a href="http://dx.doi.org/10.1016/j.bbagen.2018.07.023">[More Information]</a>

### 2017

Stefoska-Needham, A., Beck, E., Johnson, S., Batterham, M., Grant, R., Ashton, J., Tapsell, L. (2017). A Diet Enriched with Red Sorghum Flaked Biscuits, Compared to a Diet Containing White Wheat Flaked Biscuits, Does Not Enhance the Effectiveness of an Energy-Restricted Meal Plan in Overweight and Mildly Obese Adults. *Journal of the American College of Nutrition*, 36(3), 184-192. <a href="http://dx.doi.org/10.1080/07315724.2016.1237314">[More Information]</a>

Braidy, N., Grant, R. (2017). Kynurenine pathway metabolism and neuroinflammatory disease. *Neural Regeneration Research*, 12(1), 39-42. <a href="http://dx.doi.org/10.4103/1673-5374.198971">[More Information]</a>

Braidy, N., Jugder, B., Poljak, A., Jayasena, T., Nabavi, S., Sachdev, P., Grant, R. (2017). Molecular targets of tannic acid in Alzheimer's disease. *Current Alzheimer Research*, 14(8), 861-869. <a href="http://dx.doi.org/10.2174/1567205014666170206163158">[More Information]</a>

Seyedsadjadi, N., Berg, J., Bilgin, A., Tung, C., Grant, R. (2017). Significant relationships between a simple marker of redox balance and lifestyle behaviours; Relevance to the Framingham risk score. *PLoS One*, 12(11), 1-15. <a href="http://dx.doi.org/10.1371/journal.pone.0187713">[More Information]</a>

Seyedsadjadi, N., Berg, J., Bilgin, A., Grant, R. (2017). Visceral fat mass: Is it the link between uric acid and diabetes risk? *Lipids in Health and Disease*, 16(1), 1-9. <a href="http://dx.doi.org/10.1186/s12944-017-0532-4">[More Information]</a>

### 2016

Jayasena, T., Poljak, A., Braidy, N., Zhong, L., Rowlands, B., Muenchhoff, J., Grant, R., Smythe, G., Teo, C., Raftery, M., et al (2016). Application of Targeted Mass Spectrometry for the Quantification of Sirtuins in the Central Nervous System. *Scientific Reports*, 6, 1-11. <a href="http://dx.doi.org/10.1038/srep35391">[More Information]</a>

Guest, J., Grant, R. (2016). Carotenoids and Neurobiological Health. In M. Mohammed Essa, Mohammed Akbar, Gilles Guillemin (Eds.), *The Benefits of Natural Products for Neurodegenerative Diseases*, (pp. 199-228). Switzerland: Springer. <a href="http://dx.doi.org/10.1007/978-3-319-28383-8\_11">[More Information]</a>

de Bie, J., Guest, J., Guillemin, G., Grant, R. (2016). Central kynurenine pathway shift with age in women. *Journal of Neurochemistry*, 136(5), 995-1003. <a href="http://dx.doi.org/10.1111/jnc.13496">[More Information]</a>

Braidy, N., Jugder, B., Poljak, A., Jayasena, T., Mansour, H., Nabavi, S., Sachdev, P., Grant, R. (2016). Resveratrol as a potential therapeutic candidate for the treatment and management of Alzheimer's disease. *Current Topics in Medicinal Chemistry*, 16(17), 1951-1960. <a href="http://dx.doi.org/10.2174/1568026616666160204121431">[More Information]</a>

Grant, R., Guest, J. (2016). Role of Omega-3 PUFAs in Neurobiological Health. In M. Mohammed Essa, Mohammed Akbar, Gilles Guillemin (Eds.), *The Benefits of Natural Products for Neurodegenerative Diseases*, (pp. 247-274). Switzerland: Springer. <a href="http://dx.doi.org/10.1007/978-3-319-28383-8\_13">[More Information]</a>

### 2015

Braidy, N., Poljak, A., Grant, R., Jayasena, T., Mansour, H., Chan-Ling, T., Smythe, G., Sachdev, P., Guillemin, G. (2015). Differential expression of sirtuins in the aging rat brain. *Frontiers in Cellular Neuroscience*, 9(MAY), 1-16. <a href="http://dx.doi.org/10.3389/fncel.2015.00167">[More Information]</a>

Pope, B., Hokin, B., Grant, R. (2015). Effect of umbilical cord blood prefreeze variables on postthaw viability. *Transfusion*, 55(3), 629-635. <a href="http://dx.doi.org/10.1111/trf.12873">[More Information]</a>

Guest, J., Guillemin, G., Heng, B., Grant, R. (2015). Lycopene pretreatment ameliorates acute ethanol induced NAD<sup>+</sup> depletion in human astroglial cells. *Oxidative Medicine and Cellular Longevity*, 2015, 1-8. <a href="http://dx.doi.org/10.1155/2015/741612">[More Information]</a>

Guest, J., Bilgin, A., Hokin, B., Mori, T., Croft, K., Grant, R. (2015). Novel relationships between B12, folate and markers of

inflammation, oxidative stress and NAD(H) levels, systemically and in the CNS of a healthy human cohort. *Nutritional Neuroscience*, 18(8), 355-364. <a href="http://dx.doi.org/10.1179/1476830515Y.0000000041">[More Information]</a>

Grant, R., Bilgin, A., Guest, J., Morris, M., Garg, M., Pearce, R. (2015). The Relative Value of Measures of Omega-3 Index, Perceived Stress, Cortisol and Sleep Time in Identifying Depression Among a Cohort of Australian Adolescents. *International Journal of Child Health and Nutrition*, 4, 40-49. <a href="http://dx.doi.org/10.6000/1929-4247.2015.04.01.4">[More Information]</a>

## 2014

Guest, J., Grant, R., Garg, M., Mori, T., Croft, K., Bilgin, A. (2014). Cerebrospinal fluid levels of inflammation, oxidative stress and NAD<sup>+</sup> are linked to differences in plasma carotenoid concentrations. *Journal of Neuroinflammation*, 11, 1-10. <a href="http://dx.doi.org/10.1186/1742-2094-11-117">[More Information]</a>

Guest, J., Grant, R., Mori, T., Croft, K. (2014). Changes in Oxidative Damage, Inflammation and [NAD(H)] with Age in Cerebrospinal Fluid. *PLoS One*, 9(1), 1-8. <a href="http://dx.doi.org/10.1371/journal.pone.0085335">[More Information]</a>

Pope, B., Hokin, B., Grant, R. (2014). Effect of maternal iron status on the number of CD34<sup>+</sup> stem cells harvested from umbilical cord blood. *Transfusion*, 54(7), 1876-1880. <a href="http://dx.doi.org/10.1111/trf.12547">[More Information]</a>

Braidy, N., Poljak, A., Grant, R., Jayasena, T., Mansour, H., Chan-Ling, T., Guillemin, G., Smythe, G., Sachdev, P. (2014). Mapping NAD(+) metabolism in the brain of ageing Wistar rats: potential targets for influencing brain senescence. *Biogerontology*, 15, 177-198. <a href="http://dx.doi.org/10.1007/s10522-013-9489-5">[More Information]</a>

Khor, A., Grant, R., Tung, C., Guest, J., Pope, B., Morris, M., Bilgin, A. (2014). Postprandial oxidative stress is increased after a phytonutrient-poor food but not after a kilojoule-matched phytonutrient-rich food. *Nutrition Research*, 34(5), 391-400. <a href="http://dx.doi.org/10.1016/j.nutres.2014.04.005">[More Information]</a>

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Guest, J., Garg, M., Bilgin, A., Grant, R. (2013). Relationship between central and peripheral fatty acids in humans. *Lipids in Health and Disease*, 12(1), 1-8. <a href="http://dx.doi.org/10.1186/1476-511X-12-79">[More Information]</a>

## 2012

Massudi, H., Grant, R., Braidy, N., Guest, J., Farnsworth, B., Guillemin, G. (2012). Age-Associated Changes In Oxidative Stress and NAD<sup>+</sup> Metabolism In Human Tissue. *PLoS One*, 7(7), 1-9. <a href="http://dx.doi.org/10.1371/journal.pone.0042357">[More Information]</a>

Guest, J., Grant, R. (2012). Effects of dietary derived antioxidants on the central nervous system. *International Journal of Nutrition, Pharmacology, Neurological Diseases*, 2(3), 185-197. <a href="http://dx.doi.org/10.4103/2231-0738.99470">[More Information]</a>

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Pope, B., Mitsakos, K., Bilgin, A., Hokin, B., Grant, R. (2012). Predicting overall viability of cord blood harvests. *Transfusion*, 52(5), 1079-1085. <a href="http://dx.doi.org/10.1111/j.1537-2995.2011.03386.x">[More Information]</a>

Grant, R. (2012). Taking note of modifiable neurobiological risk factors in adolescent depression. *International Journal of Nutrition, Pharmacology, Neurological Diseases*, 2(3), 165-166. <a href="http://dx.doi.org/10.4103/2231-0738.99467">[More Information]</a>

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Braidy, N., Guillemin, G., Mansour, H., Chan-Ling, T., Poljak, A., Grant, R. (2011). Age related changes in NAD<sup>+</sup> metabolism oxidative stress and sirt1 activity in wistar rats. *PLoS One*, 6(4), e19194 - 1-e19194 - 18. <a href="http://dx.doi.org/10.1371/journal.pone.0019194">[More Information]</a>

Braidy, N., Guillemin, G., Mansour, H., Chan-Ling, T., Grant, R. (2011). Changes in kynurenine pathway metabolism in the brain, liver and kidney of aged female Wistar rats. *FEBS Journal*, 278(22), 4425-4434. <a href="http://dx.doi.org/10.1111/j.1742-4658.2011.08366.x">[More Information]</a>

Braidy, N., Guillemin, G., Grant, R. (2011). Effects of Kynurenine Pathway Inhibition on NAD<sup>+</sup> Metabolism and Cell Viability in Human Primary Astrocytes and Neurons. *International Journal of Tryptophan Research*, 4(1), 29-37. <a href="http://dx.doi.org/10.4137/IJTR.S7052">[More Information]</a>

## 2010

Grant, R., Grohmann, G., Baines, S., Bilgin, A., Guest, J., Morris, M., Pearce, R., Rossignol-Grant, C., Zeuschner, C. (2010). Evidence for under-nutrition in adolescent females using routine dieting practices. *Asia Pacific Journal of Clinical Nutrition*, 19(4), 526-533. <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list\_uids=21147714">[More Information]</a>

Grant, R., Nguyen, S., Guillemin, G. (2010). Kynurenine pathway metabolism is involved in the maintenance of the intracellular NAD<sup>+</sup> concentration in human primary astrocytes. *International Journal of Tryptophan Research*, 3(1), 151-156. <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list\_uids=22084595">[More Information]</a>

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Grant, R., Coggan, S., Smythe, G., Bilgin, A., Gregory, K. (2009). Age and circadian influences on picolinic acid concentrations in human cerebrospinal fluid. *Journal of Neurochemistry*, 108(5), 1220-1225. <a href="http://dx.doi.org/10.1111/j.1471-4159.2009.05868.x">[More Information]</a>

Braidy, N., Grant, R., Brew, B., Adams, S., Jayasena, T., Guillemin, G. (2009). Effects of Kynurenine Pathway Metabolites on Intracellular NAD<sup>+</sup> synthesis and Cell Death in Human Primary Astrocytes and Neurons. *International Journal of Tryptophan Research*, 2(1), 61-69.

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## 2007

Jayasena, T., Grant, R., Keerthisinghe, N., Solaja, I., Smythe, G. (2007). Membrane permeability of redox active metal chelators: an important element in reducing hydroxyl radical induced NAD<sup>+</sup> depletion in neuronal cells. *Neuroscience Research*, 57(3), 454-461. <a href="http://dx.doi.org/10.1016/j.neures.2006.12.004">[More Information]</a>

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