

[Lithium modifies brain arachidonic and docosahexaenoic metabolism in rat lipopolysaccharide model of neuroinflammation](#)

Mireille Basselin, Hyung-Wook Kim, Mei Chen, Kaizong Ma, Stanley I. Rapoport, Robert C. Murphy, Santiago E. Farias  
J Lipid Res. 2010 May; 51(5): 1049–1056. doi: 10.1194/jlr.M002469

PMCID: PMC2853431

[Article](#) [PubReader](#) [Citation](#)

---

[Is Cited by the Following 21 Articles in this Archive:](#)[Disruption in the Blood-Brain Barrier: The Missing Link between Brain and Body Inflammation in Bipolar Disorder?](#)

Jay P. Patel, Benicio N. Frey

Neural Plast. 2015; 2015: 708306. Published online 2015 May 13. doi: 10.1155/2015/708306

PMCID: PMC4444594

[Article](#) [PubReader](#) [PDF-803K](#) [Citation](#)

[Neuropathological Responses to Chronic NMDA in Rats Are Worsened by Dietary n-3 PUFA Deprivation but Are Not Ameliorated by Fish Oil Supplementation](#)

Vasken L. Keleshian, Matthew Kellom, Hyung-Wook Kim, Ameer Y. Taha, Yewon Cheon, Miki Igarashi, Stanley I. Rapoport, Jagadeesh S. Rao

PLoS One. 2014; 9(5): e95318. Published online 2014 May 5. doi: 10.1371/journal.pone.0095318

PMCID: PMC4010416

[Article](#) [PubReader](#) [PDF-953K](#) [Citation](#)

[Lithium and the Other Mood Stabilizers Effective in Bipolar Disorder Target the Rat Brain Arachidonic Acid Cascade](#)

Stanley I. Rapoport

ACS Chem Neurosci. 2014 June 18; 5(6): 459–467. Published online 2014 May 1. doi: 10.1021/cn500058v

PMCID: PMC4063504

[Article](#) [PubReader](#) [PDF-999K](#) [Citation](#)

[Effects of Lithium on Inflammation](#)

Ahmad Nassar, Abed N. Azab

ACS Chem Neurosci. 2014 June 18; 5(6): 451–458. Published online 2014 April 25. doi: 10.1021/cn500038f

PMCID: PMC4063502

[Article](#) [PubReader](#) [PDF-863K](#) [Citation](#)

[Improving Lithium Therapeutics by Crystal Engineering of Novel Ionic Cocrystals](#)

Adam J. Smith, Seol-Hee Kim, Naga K. Duggirala, Jingji Jin, Lukasz Wojtas, Jared Ehrhart, Brian Giunta, Jun Tan, Michael J. Zaworotko, R. Douglas Shytle

Mol Pharm. 2013 December 2; 10(12): 4728–4738. Published online 2013 November 5. doi: 10.1021/mp400571a

PMCID: PMC3850245

[Article](#) [PubReader](#) [PDF-3.6M](#) [Citation](#)

[Aging is associated with altered inflammatory, arachidonic acid cascade and synaptic markers, influenced by epigenetic modifications, in the human frontal cortex](#)

Vasken L. Keleshian, Hiren R. Modi, Stanley I. Rapoport, Jagadeesh S. Rao

J Neurochem. Author manuscript; available in PMC 2014 April 1.

Published in final edited form as: J Neurochem. 2013 April; 125(1): 63–73. Published online 2013 February 17. doi: 10.1111/jnc.12153

PMCID: PMC3606672

[Article](#) [PubReader](#) [PDF-1.5M](#) [Citation](#)

[Propylisopropylacetic acid \(PIA\), a constitutional isomer of valproic acid, uncompetitively inhibits arachidonic acid acylation by rat acyl-CoA synthetase 4: a potential drug for bipolar disorder](#)

Hiren R. Modi, Mireille Basselin, Ameer Y. Taha, Lei O. Li, Rosalind A. Coleman, Meir Bialer, Stanley I. Rapoport

Biochim Biophys Acta. Author manuscript; available in PMC 2014 April 1.

Published in final edited form as: Biochim Biophys Acta. 2013 April; 1831(4): 880–886. Published online 2013 January 23. doi: 10.1016/j.bbali.2013.01.008

PMCID: PMC3593989

[Article](#) [PubReader](#) [PDF-456K](#) [Citation](#)

[Chronic clozapine reduces rat brain arachidonic acid metabolism by reducing plasma arachidonic acid availability](#)

Hiren R. Modi, Ameer Y. Taha, Hyung-Wook Kim, Lisa Chang, Stanley I. Rapoport, Yewon Cheon

J Neurochem. Author manuscript; available in PMC 2014 February 1.

Published in final edited form as: J Neurochem. 2013 February; 124(3): 376–387. Published online 2012 December 6. doi: 10.1111/jnc.12078

Correction in: volume 125 on page 486

PMCID: PMC3540173

[Article](#) [PubReader](#) [PDF-526K](#) [Citation](#)

[Elevated immune-inflammatory signaling in mood disorders: a new therapeutic target?](#)

Robert K McNamara, Francis E Lotrich

Expert Rev Neurother. Author manuscript; available in PMC 2013 July 1.

Published in final edited form as: Expert Rev Neurother. 2012 September; 12(9): 1143–1161. doi: 10.1586/ern.12.98

PMCID: PMC3535180

[Article](#) [PubReader](#) [PDF-960K](#) [Citation](#)

[Gabapentin's minimal action on markers of rat brain arachidonic acid metabolism agrees with its inefficacy against bipolar disorder](#)

Edmund A. Reese, Yewon Cheon, Epolia Ramadan, Hyung-Wook Kim, Lisa Chang, Jagadeesh S. Rao, Stanley I. Rapoport, Ameer Y.

Taha

Prostaglandins Leukot Essent Fatty Acids. Author manuscript; available in PMC 2013 August 1.

Published in final edited form as: Prostaglandins Leukot Essent Fatty Acids. 2012 August; 87(2-3): 71–77. Published online 2012 July 27.

doi: 10.1016/j.plefa.2012.06.003

PMCID: PMC3431015

[Article](#) [PubReader](#) [PDF-1.0M](#) [Citation](#)

[Chronic lithium feeding reduces upregulated brain arachidonic acid metabolism in HIV-1 transgenic rat](#)

Epolia Ramadan, Mireille Basselin, Lisa Chang, Mei Chen, Kaizong Ma, Stanley I. Rapoport

J Neuroimmune Pharmacol. Author manuscript; available in PMC 2012 October 22.

Published in final edited form as: J Neuroimmune Pharmacol. 2012 September; 7(3): 701–713. Published online 2012 July 4. doi: 10.1007/s11481-012-9381-0

PMCID: PMC3478068

[Article](#) [PubReader](#) [PDF-1.0M](#) [Citation](#)

[Dose-dependent changes in neuroinflammatory and arachidonic acid cascade markers with synaptic marker loss in rat lipopolysaccharide infusion model of neuroinflammation](#)

Matthew Kellom, Mireille Basselin, Vasken L Keleshian, Mei Chen, Stanley I Rapoport, Jagadeesh S Rao

BMC Neurosci. 2012; 13: 50. Published online 2012 May 23. doi: 10.1186/1471-2202-13-50

PMCID: PMC3464147

[Article](#) [PubReader](#) [PDF-904K](#) [Citation](#)

[Knocking out the dopamine reuptake transporter \(DAT\) does not change the baseline brain arachidonic acid signal in the mouse](#)

Epolia Ramadan, Lisa Chang, Mei Chen, Kaizong Ma, F. Scott Hall, George R. Uhl, Stanley I. Rapoport, Mireille Basselin

Int J Neurosci. Author manuscript; available in PMC 2012 October 4.

Published in final edited form as: Int J Neurosci. 2012 July; 122(7): 373–380. Published online 2012 March 26. doi: 10.3109/00207454.2012.665972

PMCID: PMC3464054

[Article](#) [PubReader](#) [PDF-1.1M](#) [Citation](#)

[IMAGING BRAIN SIGNAL TRANSDUCTION AND METABOLISM VIA ARACHIDONIC AND DOCOSAHEXAENOIC ACID IN ANIMALS AND HUMANS](#)

Mireille Basselin, Epolia Ramadan, Stanley I. Rapoport

Brain Res Bull. Author manuscript; available in PMC 2013 February 10.

Published in final edited form as: Brain Res Bull. 2012 February 10; 87(2-3): 154–171. Published online 2011 December 9.

doi: 10.1016/j.brainresbull.2011.12.001

PMCID: PMC3274571

[Article](#) [PubReader](#) [PDF-1.8M](#) [Citation](#)

[Autacoid 14S,21R-Dihydroxy-Docosahexaenoic Acid Counteracts Diabetic Impairment of Macrophage Prohealing Functions](#)

Haibin Tian, Yan Lu, Shraddha P. Shah, Song Hong

Am J Pathol. 2011 October; 179(4): 1780–1791. doi: 10.1016/j.ajpath.2011.06.026

PMCID: PMC3181353

[Article](#) [PubReader](#) [PDF-2.4M](#) [Citation](#)

[Convergent functional genomic studies of omega-3 fatty acids in stress reactivity, bipolar disorder and alcoholism](#)

H Le-Niculescu, N J Case, L Hulvershorn, S D Patel, D Bowker, J Gupta, R Bell, H J Edenberg, M T Tsuang, R Kuczenski, M A Geyer, Z A Rodd, A B Niculescu

Transl Psychiatry. 2011 April; 1(4): e4. Published online 2011 April 26. doi: 10.1038/tp.2011.1

PMCID: PMC3309466

[Article](#) [PubReader](#) [PDF-1.0M](#) [Citation](#)

[Valproate uncompetitively inhibits arachidonic acid acylation by rat acyl-CoA synthetase 4: Relevance to valproate's efficacy against bipolar disorder](#)

Jakob A. Shimshoni, Mireille Basselin, Lei O. Li, Rosalind A. Coleman, Stanley I. Rapoport, Hiren R. Modi

Biochim Biophys Acta. Author manuscript; available in PMC 2012 March 1.

Published in final edited form as: Biochim Biophys Acta. 2011 March; 1811(3): 163–169. Published online 2010 December 22. doi: 10.1016/j.bbali.2010.12.006

PMCID: PMC3037030

[Article](#) [PubReader](#) [PDF-951K](#) [Citation](#)

[14S,21R-Dihydroxydocosahexaenoic Acid Remedies Impaired Healing and Mesenchymal Stem Cell Functions in Diabetic Wounds](#)

Haibin Tian, Yan Lu, Shraddha P. Shah, Song Hong

J Biol Chem. 2011 February 11; 286(6): 4443–4453. Published online 2010 November 26. doi: 10.1074/jbc.M110.100388

PMCID: PMC3039401

[Article](#) [PubReader](#) [Citation](#)

[Dietary n-6 PUFA deprivation downregulates arachidonate but upregulates docosahexaenoate metabolizing enzymes in rat brain](#)

Hyung-Wook Kim, Jagadeesh S Rao, Stanley I. Rapoport, Miki Igarashi

Biochim Biophys Acta. Author manuscript; available in PMC 2012 February 1.

Published in final edited form as: Biochim Biophys Acta. 2011 February; 1811(2): 111–117. Published online 2010 November 9.

doi: 10.1016/j.bbali.2010.10.005

PMCID: PMC3018563

[Article](#) [PubReader](#) [PDF-1.1M](#) [Citation](#)

[Anti-inflammatory effects of chronic aspirin on brain arachidonic acid metabolites](#)

Mireille Basselin, Epolia Ramadan, Mei Chen, Stanley I. Rapoport

Neurochem Res. Author manuscript; available in PMC 2011 January 1.

Published in final edited form as: Neurochem Res. 2011 January; 36(1): 139–145. Published online 2010 October 28. doi: 10.1007/s11064-010-0282-4

Retraction in: [Neurochem Res. 2015 May; 40\(5\): 1094.](#)

PMCID: PMC3011042

[Article](#) [Citation](#)

[BIPOLAR DISORDER AND MECHANISMS OF ACTION OF MOOD STABILIZERS](#)

Stanley I. Rapoport, Mireille Basselin, Hyung-Wook Kim, Jagadeesh S. Rao

Brain Res Rev. Author manuscript; available in PMC 2010 October 1.

Published in final edited form as: Brain Res Rev. 2009 October; 61(2): 185–209. Published online 2009 June 23. doi: 10.1016/j.brainresrev.2009.06.003

PMCID: PMC2757443

[Article](#) [PubReader](#) [PDF-2.9M](#) [Citation](#)