

Emma R Andersson Publications

Total Publications (articles & reviews):	24 publications	
Of which original research articles:	14 original research articles	
Of which reviews/editorials:	10 reviews/editorials	
* First or Co-first:	12 publications	
† Corresponding/co-corresponding:	7 publications	
Book Chapter:	1 invited book chapter	
On the Cover:	4 publications	
Bibliometrics from:	ISI Web of Science	Google Scholar
Citations:	1015	1574
H-index:	15	19

Original Articles

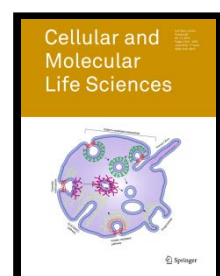
1. [Andersson ER^{†*}](#), Chivukula IV, Hankeova S, Sjöqvist M, Tsoi YL, Ramsköld D, Masek J, Elmansuri A, Hoogendoorn A, Vazquez E, Storrvall H, Netušilová J, Huch M, Fischler B, Ellis E, Contreras A, Nemeth A, Chien KC, Clevers H, Sandberg R, Bryja V, Lendahl U. *Mouse Model of Alagille Syndrome and Mechanisms of Jagged1 Missense Mutations*. **Gastroenterology**. 2018 Mar;154(4):1080-1095. doi: 10.1053/j.gastro.2017.11.002. Epub 2017 Nov 21. PubMed PMID: 29162437.
This article was highlighted in [Nature reviews Gastroenterology and Hepatology \(Dickson I, Experimental model: A new mouse model of Alagille syndrome. Nat Rev Gastroenterol Hepatol. 2018 Jan;15\(1\):4. doi: 10.1038/nrgastro.2017.180. PMID: 29235546\)](#) and in an Editorial in [Gastroenterology \(Adams JM, Jafar-Nejad H., A New Model of Alagille Syndrome With Broad Phenotypic Representation. Gastroenterology. 2018 Mar;154\(4\):803-806. doi: 10.1053/j.gastro.2018.02.007.PMID: 29425927\)](#)
2. Jin S, Mutvei A, Chivukula IV, [Andersson ER](#), Ramsköld D, Sandberg R, Lee KL, Kronqvist P, Mamaeva V, Ostling P, Mpindi JP, Kallioniemi O, Screpanti I, Poellinger L, Sahlgren C, Lendahl U, *Non-canonical Notch signaling activates IL-6/JAK/STAT signaling in breast tumor cells and is controlled by p53 and IKK α /IKK β* , **Oncogene**, 2013 Oct 10;32(41):4892-902 PMID: 23178494
3. [Andersson ER*](#), Salto C*, Villaescusa JC, Cajanek L, Yang S, Bryjova L, Nagy IL, Vainio SJ, Ramirez C, Bryja V, Arenas E, *Wnt5a cooperates with canonical Wnts to generate midbrain dopaminergic neurons in vivo and in stem cells*, **Proceedings of the National Academy of Sciences USA**, 2013, 110 (7) E602-10 PMID: 23324743
4. Kele J*, [Andersson ER*](#), Villaescusa JC*, Cajanek L, Parish CL, Bonilla S, Toledo EM, Bryja V, Rubin JS, Shimono A, Arenas E, *SFRP1 and 2 Dose-Dependently Regulate Midbrain Dopamine Neuron Development In vivo and in Embryonic Stem Cells*, **Stem Cells**, 2012 May; 30 (5):865-75. PMID: 22290867
5. Das D, Lanner F, Main H, [Andersson ER](#), Bergmann O, Sahlgren C, Heldring N, Hermanson O, Hansson EM and Lendahl U, *Notch induces cyclin-D1-dependent proliferation during a specific temporal window of neural differentiation in ES cells*, **Developmental Biology**, 2010 Dec 15;348(2):153-66. PMID: 20887720
6. Hansson EM, Lanner F, Das D, Mutvei A, Marklund U, Ericson J, Farnebo F, Stumm G, Stenmark H, [Andersson ER[†]](#), and Lendahl U[†], *Control of Notch ligand endocytosis by ligand-receptor interaction*, **Journal of Cell Science**, 2010 Sep 1;123(Pt 17):2931-42. PMID: 20720151
7. Mattsson CL, [Andersson ER](#), Nedergaard J, *Differential involvement of caveolin-1 in brown adipocyte signaling: impaired beta3-adrenergic, but unaffected LPA, PDGF and EGF receptor signaling*, **Biochimica et Biophysica Acta - Molecular Cell Research**, 2010 PMID: 20381543

8. [Andersson ER*](#), Bryjova L*, Biris K, Yamaguchi TP, Arenas E, & Bryja V, *Genetic interaction between Lrp6 and Wnt5a during mouse development*, **Developmental Dynamics**, 2010 Jan; 239(1):237-45. PMID: 19795512
9. Castelo-Branco G*, [Andersson ER*](#), Minina E*, Sousa KM, Ribeiro D, Kokubu C, Imai K, Prakash N, Wurst W, & Arenas E, *Delayed dopaminergic neuron differentiation in Lrp6 mutant mice*, **Developmental Dynamics**, 2010 Jan; 239(1):211-21. PMID: 19795519
10. Joseph B*, [Andersson ER*](#), Vlachos P, Liu L, Teixeira AI, & Hermanson O; *p57Kip2 is a repressor of Mash1 activity and neuronal differentiation in neural stem cells.* **Cell Death and Differentiation**, 2009 Jul, 16, p1256-1265. PMID: 19590511
11. Bryja V*, [Andersson ER*](#), Schambony A*, Esner M, Bryjová L, Biris KK, Hall AC, Kraft B, Yamaguchi TP, Buckingham M & Arenas E; *The extracellular domain of Lrp5/6 inhibits non-canonical Wnt signaling in vivo*. **Molecular Biology of the Cell**, 2009 Feb 20(3): p924-936. **(On the cover)**
12. Yang DH, Yoon JY, Lee SH, Bryja V, [Andersson ER](#), Arenas E, Kwon YG & Choi KY; *Wnt5a is required for endothelial differentiation of embryonic stem cells and vascularization via pathways involving both Wnt/ β -catenin and PKC α* , **Circulation Research**, 2009 Feb 13, 104(3): p372-379. PMID: 19096028
13. [Andersson ER](#), Prakash N, Cajanek L, Minina E, Bryja V, Bryjova L, Yamaguchi TP, Hall AC, Wurst W & Arenas E; *Wnt5a regulates ventral midbrain morphogenesis and the development of dopaminergic precursors in vivo*, **PLoS One**, 2008 Oct 27, 3 (10), 14 pages. PMID: 18953410
14. Edman LC, Mira H, Erices A, Malmersjö S, [Andersson E](#), Uhlén P, & Arenas E.; *Alpha-chemokines regulate proliferation, neurogenesis, and dopaminergic differentiation of ventral midbrain precursors and neurospheres*, **Stem Cells**, 2008 Jul, 26(7):1891-900. PMID: 18436867

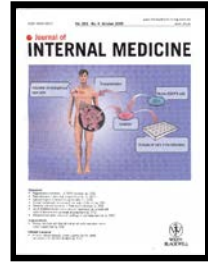


Reviews

1. Tam PKH[‡], Yiu RS, Lendahl U, [Andersson ER[†]](#), *Cholangiopathies – towards a molecular understanding*, **eBioMedicine**, in Press
2. Nuria Oliva-Vilarnau, Simona Hankeova, Sabine U. Vorrink, Souren Mkrtchian, [Emma R. Andersson](#) and Volker M. Lauschke, *Calcium Signaling in Liver Injury and Regeneration*, **Frontiers in Medicine**, 2018: 5, July, doi: 10.3389/fmed.2018.00192, PMID: 30023358
3. Sjöqvist M & [Andersson ER[†]](#), *Do as I say, Not(ch) as I do: lateral control of cell fate*, **Developmental Biology**, doi: 10.1016/j.ydbio.2017.09.032, PMID: 28969930 (Special Issue, Guest Editors: ER Andersson & J Bush)
4. Masek J & [Andersson ER[†]](#), *The developmental biology of congenital Notch disorders*, **Development**, 2017; 144: 1743-1763; doi: 10.1242/dev.148007, PMID: 28512196
5. [Andersson ER](#), Lendahl U, *Therapeutic modulation of Notch signalling— are we there yet?* requested review, **Nature Reviews Drug Discovery**, 2014, 13 (5): 357-78. PMID: 24781550
6. Main HM, Radenkovic J, Lendahl U, & [Andersson ER[†]](#), *Notch Signaling Maintains Neural Rosette Polarity*, **PLoS One**, 2014, 8 (5), e62959 PMID: 23675446
7. [Andersson ER[†]](#), *The role of endocytosis in activating and regulating signal transduction*, Requested Review, **Cell Mol Life Sci.**, 2012 Jun;69(11):1755-71. PMID: 22113372 **(On the cover)**



8. [Andersson ER](#), Sandberg R, Lendahl U, *Notch signaling: simplicity in design, versatility in function*, Requested Review, **Development**. 2011 Sep;138(17):3593-612. PMID: 21828089.
9. [Andersson ER](#) and Lendahl U, *Regenerative Medicine – a 2009 overview*, Requested Review, **Journal of Internal Medicine**, 2009 Oct, 266 (4), p303-310. PMID: 19765176. (On the cover)



Editorials

Bush JO, Andersson ER. *Signaling pathways instruct the blueprint of life*. **Dev Biol**. 2018 Jun 6. pii: S0012-1606(18)30416-0. doi: 10.1016/j.ydbio.2018.06.002. [Epub ahead of print] PMID: 29885286

This is the editorial we wrote for the special issue of Developmental Biology that I guest edited, with Jeff Bush (UCSF) as co-guest editor.



Book Chapter

[Andersson, ER](#); *Future therapeutic approaches for Alagille Syndrome, Alagille Syndrome - Pathogenesis and Clinical Management* (Springer), edited by Kathleen Loomes and Binita Kamath, leaders in the field of cholangiopathies, in particular Alagille syndrome. Accepted, publication date expected in 2018

PhD Thesis and Date of PhD Defence (2009/02/06)

Wnts in Development: Focus on Midbrain, PI: Ernest Arenas, MBB, KI, ISBN: 978-91-7409-321-6, <http://hdl.handle.net/10616/38095>