

## Publications List

1. **Ananthalakshmy Sundararaman\***, and Harry Mellor 'A Functional Antagonism between RhoJ and Cdc42 regulates Fibronectin Remodeling during Angiogenesis' *SmallGTPases* (2020) 12;4 pp241-245 \*corresponding author  
<https://doi.org/10.1080/21541248.2020.1809927>
2. **Ananthalakshmy Sundararaman**, Yoko Fukushima, Jim C. Norman, Akiyoshi Uemura and Harry Mellor **RhoJ regulates  $\alpha 5\beta 1$  integrin trafficking to control fibronectin remodelling during angiogenesis**; *Current Biology* (2020), 30, 1-10 (Impact Factor 9.6)  
<https://doi.org/10.1016/j.cub.2020.03.042>
3. Asha Bayliss, **Ananthalakshmy Sundararaman**, Camille Granet, Shuler Xu and Harry Mellor, **Raftlin 1 regulates Neuropilin1-VEGFR2 trafficking to modulate endothelial cell migration-** *Angiogenesis* (2020), 23, 371-383 (Impact Factor 9.8)  
<https://doi.org/10.1007/s10456-020-09715-z>
4. Haoche Wei, **Ananthalakshmy Sundararaman**, Sarah Line Bring Truelsen, David Gurevich, Jacob Thastrup and Harry Mellor (2021) Book Chapter "In vitro coculture assays of angiogenesis". Book Titled: Vascular Morphogenesis, Methods Mol Biol, Vol. 2206, 39-46. [https://doi.org/10.1007/978-1-0716-0916-3\\_4](https://doi.org/10.1007/978-1-0716-0916-3_4)
5. Haoche Wei, **Ananthalakshmy Sundararaman**, Emily Dickson, Lewis Campbell, Kate Heesom and Harry Mellor **Characterization of Polarised Endothelial Secretome-** *The FASEB Journal*, (2019) 33, 12277–12287 (Impact Factor 5)  
<https://doi.org/10.1096/fj.201900262R>
6. **Ananthalakshmy Sundararaman**, Usha Amirtham and Annapoorni Rangarajan, **Calcium-Oxidant Signaling Network Regulates AMPK Activation Upon Matrix-deprivation**, *Journal of Biological Chemistry*, (2016) 291, pp14410-29. (Impact Factor 5.1). <https://doi.org/10.1074/jbc.M116.731257>
7. **Ananthalakshmy Sundararaman**, Saurav Kumar, and Annapoorni Rangarajan, Book Chapter: "Adaptive phenotypic switching in breast cancer in response to matrix deprivation" for the Book Titled: "Phenotypic switching in biology and medicine"- Elsevier Publishing Paperback ISBN: 9780128179963. <https://doi.org/10.1016/B978-0-12-817996-3.00025-6>
8. **Ananthalakshmy Sundararaman**, Manipa Saha, Saurav Kumar and Annapoorni Rangarajan, Book Chapter: "Metabolic Reprogramming and the Control of Anoikis Resistance in Cancer"; Book titled "Anoikis: Extracellular Matrix regulation of life and death"- Springer Publishing ISBN: 978-3-030-73854-9 [https://doi.org/10.1007/978-3-030-73856-3\\_2](https://doi.org/10.1007/978-3-030-73856-3_2)
9. Nidhi Nair, Lariza Ramesh, Areeba Marib, Deena T David and **Ananthalakshmy Sundararaman**, 'Actin Cytoskeleton in Angiogenesis' *Biology Open* (Invited review in preparation)

10. Sai Balaji Andugulapati, **Ananthalakshmy Sundararaman**, Mohini Lahiry, Annapoorni Rangarajan, *Disease Models and Mechanisms* 'AMP- activated protein kinase (AMPK) promotes breast cancer stemness and drug resistance' (In Press).
11. Bhanu Jayanand Sudhir, , Arun Gowda Keelara, Easwer Harihara Venkat, Ken Kazumata, and **Ananthalakshmy Sundararaman**, "The Mechano-biological theory: A Unifying Hypothesis on the Pathogenesis of Moyamoya Disease based on a Systematic Review", *Neurosurgical Focus*, (In Press)
12. David B Gurevich, Deena T David, **Ananthalakshmy Sundararaman**, Jatin Patel \*; '**Endothelial Heterogeneity in Development and Disease**', *Cells*, (In Press)
13. Lariza Ramesh and **Ananthalakshmy Sundararaman** Book chapter : '**Fibronectin fibrillogenesis during angiogenesis**' Book entitled: "Matrix Pathobiology and Angiogenesis"(In preparation).
14. Nidhi Nair and **Ananthalakshmy Sundararaman** Book chapter: 'Integrin Trafficking in Health and Disease; Book entitled "Receptor Endocytosis and Signalling in Health and Disease (In preparation).