

## Steven Proulx - Selected Publications

1. Ma Q, M Ries, Y Decker, A Müller, C Riner, A Bücken, K Fassbender, M Detmar, **ST Proulx**. "Rapid lymphatic efflux limits cerebrospinal fluid flow to the brain." *Acta Neuropathologica* 2019; 137:151-165.
2. Bachmann SB, Detmar M, and **Proulx ST**. "Visualization and measurement of lymphatic function in vivo." Book chapter in *Lymphangiogenesis: Methods and Protocols, Methods in Molecular Biology* 2018, (Guillermo Oliver, Mark Kahn (eds.)) DOI: [https://doi.org/10.1007/978-1-4939-8712-2\\_13](https://doi.org/10.1007/978-1-4939-8712-2_13)
3. Ma Q, B Ineichen, M Detmar, **ST Proulx**. "Outflow of cerebrospinal fluid is predominantly through lymphatic vessels and is reduced in aged mice." *Nature Communications*. 2017; 8:1434 (DOI: 10.1038/s41467-017-01484-6).
4. **Proulx ST**, Q Ma, D Andina, JC Leroux, M Detmar. "Quantitative measurement of lymphatic function in mice by noninvasive near-infrared imaging of a peripheral vein." *JCI Insight* 2017; 2 (1): e90861.
5. Teixeira A, MC Hunter, E Russo, **ST Proulx**, T Frei, GF Debes, M Coles, I Melero, M Detmar, A Rouzaut, C Halin. "T cell migration from inflamed skin to draining lymph nodes requires intralymphatic crawling supported by ICAM-1/LFA-1 interactions" *Cell Reports* 2017; 18 (4), 857-865.
6. Chong C, F Scholkmann, S Bachmann, P Luciani, JC Leroux, M Detmar, **ST Proulx**<sup>^</sup>. "In vivo visualization and quantification of collecting lymphatic vessel contractility using near-infrared imaging." *Scientific Reports* 2016; 6, Article number: 22930
7. Karaman S, D Buschle, P Luciani, JC Leroux, M Detmar, **ST Proulx**. "Decline of lymphatic vessel density and function in murine skin during aging." *Angiogenesis* 2015; 18 (4), 489-498.
8. Aspelund A, S Antila, **ST Proulx**, TV Karlsen, S Karaman, M Detmar, H Wiig, K Alitalo. "A dural lymphatic vascular system that drains brain interstitial fluid and macromolecules." *The Journal of Experimental Medicine* 2015; 212 (7), 991-999.
9. **Proulx ST**, P Luciani, A Christiansen, S Karaman, KS Blum, M Rinderknecht, JC Leroux, M Detmar. "Functional near-infrared imaging reveals rerouting of lymphatic tumor drainage after sentinel lymph node metastasis." *Biomaterials* 2013; 34:5128-37.
10. **Proulx ST**, P Luciani, S Derzsi, M Rinderknecht, V Mumprecht, JC Leroux, M Detmar. "Quantitative imaging of lymphatic function with liposomal indocyanine green." *Cancer Research* 2010; 70: 7053-7062.