



**Tier 2 ARC 2007:**                    **\$S\$545,000: Nov 1 2007-Oct 30, 2010**  
**TOTAL (Completed)**                **\$S\$3,647,000**

**Current:**

**NRF CREATE Technion**    **\$20,000,000 (Thrust 1 PI), 2009-2014 (\$S\$9,363,427)**  
**NRF-POC**                    **\$250,000: Nov 2010-Dec 2011**  
**AStar, Singapore-China**    **\$300,000: May 2011- April 2014**  
**Co-PI, NRF-CRP**            **\$10,000,000: Nov 2008- Sept 2013**  
**PI, SERI TCR**                **\$1,750,000: Nov 2008- March 2013**  
**TOTAL (current):**            **\$S\$21,663,000**

**Miscellaneous:**

- Director, Biomedical Engineering Research Centre, Aug 2007-present
- Co-founder, CardioRev Therapeutics, January 2009
- Co-founder, Amaranth Medical, a company registered in Singapore (Fully-degradable Stents)
- Joint faculty, Singapore General Hospital: National Heart Centre and Singapore Eye Research Centre

**Current post-graduate students:**

Sole supervision: Anthony Ng, Jaya Ganesh Natarajan, Peng Yan, Rongcong Luo, Mutu Shaillender, James Lim, Ng Xu Wen

Co-supervision: Ang Huiying, Gigi Yeung, Wang Yao, Evelyne Nguyen

**Recent Journal Publications for S.Venkatraman:**

1. Ng AHC, Venkatraman SS, Ng NSP, et al. **A fully-degradable tracheal stent: in vitro and in vivo characterization of material degradation** *J Biomed Mater Res Part B: Appl Biomater*, 100B, pp. 693–699 (2012).
2. Zhu GH, Ng AHC, Venkatraman SS, et al. **A novel drug-eluting tracheal stent** *Laryngoscope*, 121, pp. 2234–2239 (2011).
3. JV Natarajan, M Ang, A Darwitan, S.Chattopadhyay, SS Venkatraman, TT Wong. **Nanomedicine for glaucoma: Liposomes provide sustained release of latanoprost in the eye.** *Int J of Nanomed.* **7**, pp.123-31 (2012).
4. JV Natarajan, S Chattopadhyay, M Ang, A Darwitan, S Foo, Z Ma, M Koo, SS Venkatraman, TT Wong. **Sustained release of an anti-glaucoma drug: Demonstration of efficacy of a liposomal formulation in the rabbit eye.** *PLoS One*, E Pub 9 Sept 2011
5. X.Wang, S.S.Venkatraman, F.Y.C.Boey, J.S.C.Loo, L.P.Tan, **“Controlled Release of Sirolimus from a Multilayered PLGA stent matrix”**, *Biomaterials*, 27, 5588-5595 (2006).

6. L.P.Tan, S.S.Venkatraman, J.F.D Joso, F.Y.C.Boey, **“Collapse pressures of bilayered biodegradable stents”**, *J Biomed Mat Research Part B*, 79, 102-107 (2006).
7. Subbu Venkatraman, Lay Poh Tan, Joe Ferry Joso, Yin Chiang Freddy Boey, Xintong Wang, **“Biodegradable Stents with Elastic memory”**, *Biomaterials*, 27, 1573-1578 (2006)
8. Frank Alexis, Subbu S. Venkatraman, Santosh Kumar Rath and Freddy Boey **“In vitro study of release mechanisms of paclitaxel and rapamycin from drug-incorporated biodegradable stent matrices”**, [\*J. Controlled Release Volume 98, Issue 1\*](#), Pages 67-74 (2004)
9. S.Venkatraman\*, L.P.Tan, T.Vinalia, K.H.Mak, F.Boey: **“Collapse Pressures of Biodegradable Stents”**, *Biomaterials*, 24, pp.2105-2111 (2003).
10. S.Venkatraman, F.Boey and L.L.Lao, **“Implanted Cardiovascular Polymers: Natural, Synthetic and Bio-inspired”**, *Progress Polym Sci*, 33, 853-874 (2008).