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## ORIGINAL PAPERS

1. **Lauto A.** Integration of extracellular matrix with chitosan adhesive film for sutureless tissue fixation. *Lasers Surg Med.* 2009;41(5):366-71.
2. **Lauto A,** Foster LJR, Avolio A, Sampson D, Raston C, Sarris M, McKenzie G, Stoodley M. *Sutureless Nerve Repair with Laser-Activated Chitosan Adhesive: A Pilot in vivo Study.* *Photomed Laser Surg.* 2008; 26:227-34.
3. Marçal H, Wanandy NS, Sanguanchaipaiwong V, Woolnough CE, **Lauto A,** Mahler SM, Foster LJ. BioPEGylation of polyhydroxyalkanoates: influence on properties and satellite-stem cell cycle. *Biomacromolecules.* 2008; 9:2719-26.
4. Mawad D, Foster J and **Lauto A.** Drug-delivery study and estimation of polymer-solvent interaction parameter for bisacrylate ester-modified pluronic hydrogels. *Int J Pharm.* 2008; 6;360:231-5.
5. **Lauto A,** Mawad D and Foster LJR. *Adhesive Biomaterials for Tissue Reconstruction.* *Journal of Chemical Technology and Biotechnology. J Chem Tech & Biotech* 2008; 83(4): 464-472.
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7. Fabbri I, **Lauto A,** Lucianetti A. *Spiral Index Profile for High Power Optical Fibers.* *JOPA, Journal of Optics A. J. Opt. A: Pure Appl. Opt.* 2007; 9: 963-71.
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9. **Lauto A,** Foster LJR, Ferris L, Avolio A, Zwaneveld N and Poole-Warren LA. *Albumin-Genipin Solder for Laser Tissue Repair.* *Lasers Surg Med.* 2004;35(2):140-5.
10. Jackson S and **Lauto A.** *Diode-pumped fibre lasers: a new surgical tool?* *Lasers Surg Med.* 2002;30(3):184-90.

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12. **Lauto A**, Stewart R, Ohebshalom M, Nikkoi ND, Felsen D and Poppas DP. *The Impact of Solubility on Laser Tissue-Welding with Albumin Solid Solders*. Lasers Surg Med, 2001; 28:44-49.
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14. Ballon D, Dyke J, Schwartz LH, Lis E, **Lauto A**, Schneider E and Jakuboski A. *Bone Marrow Scanning for Leukemia Using Diffusion and T<sub>2</sub> Weighted Echo Planar Magnetic Resonance Imaging*. NMR in Biomedicine, 2000; 13:321-328.
15. **Lauto A**, Poppas D and Murrell G. *Solubility Study of Albumin Solders for Laser Tissue Welding*. Lasers Med Surg, 1998; 23:258-62.
16. **Lauto A**, Dawes J, Piper J and Owen R. *Laser nerve repair by solid protein band technique. II: Assessment of long term regeneration*. Microsurgery, 1998; 18: 60-4.
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20. **Lauto A**, Trickett R, Dawes J and Owen E. *Laser-activated solid protein bands for peripheral nerve repair*. Lasers Surg Med 21:134-141, 1997.
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24. **Lauto A**, Kerman I, Felsen D and Poppas, D. *Two-layer film as a laser soldering Biomaterial*. Lasers Surg Med 1999; 25: 250-56.
25. Curtis NJ, **Lauto A**, Trickett R, Owen E and Walker M. *Preliminary Study of Microsurgical Repairs of the Inferior Alveolar Nerve in Rats Using Primary Suturing and Laser Weld Techniques*. International Journal of Oral & Maxillofacial Surgery, 1998; 27:476-81.

## PROCEEDING PAPERS / INTERNATIONAL MEETINGS

1. **Lauto A**. Adhesive Biomaterials for Tissue Reconstructions. **Invited talk**, NZLaser08, Queenstown, New Zealand, 2008.
2. Marçal H, Badylak SF, Sellaro TL, **Lauto A**, Mahler S, Foster J, Gray P and Mackay-Sim A. The coalescence of decellularized tissue scaffolds, laser-activated chitosan bioadhesive and olfactory ensheathing cells for tissue repair and regeneration of the spinal cord. Regenerate 2007, Toronto, June 2007.
3. **Lauto A**, Foster LJR, Sarris M, McKenzie G and Stoodley M. Sutureless Nerve Anastomosis with Laser-Activated Chitosan Adhesive. International Society for Lasers in Surgery and Medicine, Florence, 2007.
4. Marçal H, **Lauto A**, Badylak SF, Sellaro TL, Mackay-Sim A, Mahler S, Foster J. *Laser-Activated Bioadhesive with Decellularized Tissue Scaffolds and Olfactory Ensheathing Cells May Enhance Repair and Regeneration of Injured Spinal Cords*. International Society for Lasers in Surgery and Medicine, Florence, 2007.
5. **Lauto, A**, Stoodley M, Avolio A and Foster J. Chitosan Adhesive for Laser-Tissue Repair. Photonics West. Bios 2006. Proc. SPIE 6078, 1-13, 2006.
6. Chitosan Adhesives for Nerve Anastomosis. **Invited paper**, Seminar on “New Frontiers in Medicine, Chair, Prof. Barry Marshall (Medicine Nobel Laureate in 2006), University of Western Australia, Perth, Australia, 2005
7. Chitosan Adhesive for Laser-Tissue Repair. **Invited paper for the Plenary Session**, SPIE Laser Florence, *IALMS 2005*.
8. **Lauto A**, Foster J, Avolio A. and Poole-Warren L. Albumin-Genipin Solder for Laser Tissue-Welding. Photonics West. Bios 2004, Proc. SPIE, vol.5312, 124-129, 2004.
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17. Turcu IE, Batani D, Tallents GJ, **Lauto A et al.** Applications of soft X-rays from laser-produced plasmas in Biophysics European Quantum Electronics Conference (EQEC). Technical Digest vol.1, 553-556, 1993
18. **Lauto A**, Foster J and Avolio A. Albumin-Genipin Solder increases tensile strength during laser tissue repair. Seventh World Biomaterials Congress, Sydney, 2004.
19. **Lauto A**, Stewart R, Felsen D. and Poppas DP. Two-layer solder for laser tissue-welding. 21<sup>th</sup> Annual Meeting American Society for Laser Medicine and Surgery, April 2001. **Invited paper for the Plenary Session.**
20. Hamawy A, Raman J, **Lauto A**, Ko W and Poppas D. Minimizing thermal injury to vessel during laser welding of vascular anastomosis. 19<sup>th</sup> Annual Meeting American Society for Laser Medicine and Surgery, 1999.
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23. **Lauto A**. Laser-Solder Surgical Technique. Arthroscopic Surgery: Towards 2000, March 6-7, 1997. Sydney, Australia