

**Selection of scientific publications featuring Pholasin<sup>®</sup> or its source**  
***Pholas dactylus***

1. Knight, R. & Thorne (Knight) J. (1982). *Syncilancistrumina elegantissima* (Scuticociliatida: Thigmotrichina), a new genus and species of ciliated protozoon from *Pholas dactylus* (Mollusca: Bivalvia), the Common Piddock. *Protistologica* 18[1], 53-66.
2. Thorne, J. (Knight) (1983). A fresh look at the eulamellibranch gill of *Pholas dactylus* Linné. *J. Moll. Stud. Suppl.* 12[4], 225.
3. Knight, J. (1984). Studies on the biology and biochemistry of *Pholas dactylus* L. Ref Type: Thesis/Dissertation
4. Roberts, P. A., Knight, J., & Campbell, A. K. (1985). Pholasin<sup>®</sup>: a new bioluminescent indicator for cell activation. *Biochem. Soc. Trans.* 1140, 1139-1140.
5. Holt, M. E., Jenner, D. E., Roberts, P. A., Knight, J., & Campbell, A. K. (1986). Release by human neutrophils of a long lived oxidant of potential importance in the pathogenesis of inflammatory disease. *B. J. Rheum.* 25, Abstract 23.
6. Knight J and Knight R (1986). The blood vascular system of the gills of *Pholas dactylus* L. (Mollusca, Bivalvia, Eulamellibranchia) *Phil Trans R. Soc Lond.* B313, 509-523.
7. Holt, M. E., Knight, J., & Campbell, A. K. (1987). Release by human neutrophils of a long lived oxidant of potential importance in the pathogenesis of inflammatory disease. *Anal. Biochem.* 160, 139-148.
8. Knight, J. (1987). Pholasin<sup>®</sup>-potentiated chemiluminescence as a possible tool for the diagnosis of early stages of inflammation. Presented at workshop, Laboratory Markers of Joint Inflammation. The Arthritis & Rheumatism Council for Research, Conf Proceedings No3.
9. Roberts, P. A., Knight, J., & Campbell, A. K. (1987). Pholasin<sup>®</sup>: a bioluminescent indicator for detecting activation of single neutrophils. *Anal. Biochem.* 160, 139-148.
10. Knight, J. (1988). *Pholas dactylus* and its bioluminescence. *J. Mar. Biol. Ass. UK*, 69, 734.
11. Muller, T., Davies, E. V., & Campbell, A. K. (1989). Pholasin chemiluminescence detects mostly superoxide anion released from activated human neutrophils. *J. Biolum. Chemilum.* 3, 105-113.

Please note that this list is not necessarily comprehensive. Please contact us if you know of any other publications featuring Pholasin<sup>®</sup> that could be added to the list.

12. Burgess, P. J., Cross, M. L., & Knight, J. (1990). Purification of fish immunoglobulins for use in immunological studies of hose parasite systems. Spring Meeting British Society for Parasitology, University of Aberdeen.
13. Muller, T. & Campbell, A. K. (1990). The chromophore of Pholasin: a highly luminescent protein. *J. Biolum. Chemilum.* 5, 25-30.
14. Knight, J., Witko-Sarsat, V., Nguyen, A. T., & Walker, F. (1992). Emerging roles of Pholasin<sup>®</sup> as a probe for evaluating activation of phagocyte oxidative metabolism. *Free Radical Biology & Medicine* 13[83], 88.
15. Witko-Sarsat, V., Nguyen, A. T., Knight, J., & Deschamps Latscha, B. (1992). Pholasin<sup>®</sup>: a new chemiluminescent probe for the detection of chloramines derived from human phagocytes. *Free Radical Biology & Medicine* 13, 83-88.
16. Knight, J., Witko-Sarsat, V., & Walker, F. (1993). Azapropazone's capacity to control cell activation as measured by Pholasin<sup>®</sup>. *B. J. Rheum.* 32 Abstract Supplement 2, abstract 26.
17. Jolly, J., Knight, J., & Garland, J. (1995). Free radicals are not involved in apoptosis in haematopoietic cells. *Proc. R. Micr. Soc* 30, 121.
18. Knight, J. & Knight, R. (1995). The piddock. *Biological Sciences Review* Mar, 28-29.
19. Shattock, M. J., Miller, I., Southworth, R., Knight, J., & Hearse, D. J. (1995). Pholasin: a novel photoprotein for the detection of free radical production during ischemia and reperfusion in the isolated heart. *J. Mol. Cell. Cardiol.* 27, A248.
20. Knight, J. & Knight, R. (1996). *Pholas dactylus* the remarkable mollusc. *J. Biolum Chemilum.* 11[23], 1-65.
21. Knight, J., & McCafferty, A. (1996). Pholasin<sup>®</sup> monitors neutrophil degranulation and activation. *J. Biolum. Chemilum.* 11(231), 65, abstract 100.
22. Knight, J., McCafferty, A., Noon, E., & Bell A. (1996). Indirect evidence to support the production of hydroxyl and/or ferryl radicals at sites of inflammation. *Brit J.Rheum* 35 [Abst suppl 2].
23. Knight, J., McCafferty, A., Witko-Sarsat, V., & Decamps-Latscha, B. (1996). Luminescent reactions of Pholasin<sup>®</sup> with isolated human leucocytes and diluted blood. *Eur. J. Clin. Invest.* 26, 207 A37.
24. Knight, J. (1997). Pholasin<sup>®</sup> assays for blood biocompatibility monitoring. *J. Biolum. Chemilum.* 12, 93-112
25. Knight, J. (1997). The piddock and the Immunologist. *Immunology News* 4[1], 26-31.

26. Knight, J. & McCafferty, A. (1997). Pholasin<sup>®</sup> monitors neutrophil degranulation and activation. Proceedings of the 9<sup>th</sup> International Symposium on Bioluminescence & Chemiluminescence, Woods Hole, Mass, Oct 1996, 334-337.
27. Knight, J. (1998). Pholasin<sup>®</sup> as a luminescent probe for investigating activation and degranulation in neutrophils. Proc workshop Hypochlorous acid as metabolite of neutrophilic granulocytes Leipzig, Germany, March 5-6.
28. Humphries, J. E, Corr, B., Alexander, H. D., McConnell, J., Bell, A. L., Markey, G. M. and Morris, T. C. M. (1999). Why discard the peritoneal macrophages of patients on CAPD? *British Journal of Haematology* 105, 319-320.
29. Knight, J. (1999). Rapid, simple and sensitive blood biocompatibility tests with the light emitting protein Pholasin<sup>®</sup>. Proceedings of the TechMed/Medical Device Technology Conference. Advanstar Communications UK Ltd, Chester, 3-17. [A copy of the paper can be downloaded at [www.knighscientific.com](http://www.knighscientific.com)]
30. Knight, J. (1999). Reactions of Pholasin<sup>®</sup> with superoxide and peroxidases: applications to cellular luminescence. *J. Biolum. Chemilum.* 13, 22.
31. Reichl, S., Benard, S., Arnhold, J., Schiller, J., & Arnold, K. (1999). Factors influencing the Pholasin chemiluminescence. 280-283. Ref Type: Conference Proceeding.
32. Slade, D., Pilsworth, L., Knight, J., Ashleigh, R., England, R., & McCollum, C. (1999). Antioxidant consumption in open and endovascular aortic surgery. *J. Cardiovascular Interventional Radiology* 22, S111.
33. Reichl, S., Arnhold, J., Knight, J., Schiller, J., & Arnold, K. (2000). Reactions of Pholasin<sup>®</sup> with peroxidases and hypochlorous acid. *Free Radical Biology & Medicine* 28, 1555-1563.
34. Arnhold, J., Furtmüller, P.G., Regelsberger, G. & Obinger, C. (2001). Redox properties of the couple compound l/native enzyme of myeloperoxidase and eosinophil peroxidase. *Eur. J. Biochem.* 268, 5142-5148.
35. Arnhold, J., Osipov, A.N., Spalteholz, H., Panasenko, O.M. & Schiller, J. (2001). Effects of hypochlorous acid on unsaturated phosphatidylcholines. *Free Radical Biology & Medicine* 31[9], 1111-1119.
36. Jackson, P., Hunt, J. A., & Knight, J. (2001). Effect of controlled release glass (C.R.G.) chemistry and particle size on the neutrophil's respiratory burst. European Society for Biomaterials, London 12-14th September.
37. Knight, J. (2001). Monitoring bioactivity with the light-emitting protein Pholasin<sup>®</sup>. MedTech Conference, Galway Ireland 19-20 September 2001.

www.medteccireland.com. [A copy of the paper can be downloaded from www.knightscientific.com]

38. Marwah, S., Knight, J., Wright, J., & Bareford D. (2001). Vitamin-E antioxidant capacity and non-transferrin bound iron correlation in homozygous sickle cell patients. *European Society for Clinical Investigation* 31[Suppl I], 16.
39. McConnell, J., Courtney, P., Knight, J., & Cell AL. (2001). Decreased generation of reactive oxygen species by SLE phagocytes: relationship with neutrophil apoptosis.
40. Reichl, S., Vocks, A., Petkovic, M., Schiller, J., & Arnhold, J. (2001). The photoprotein Pholasin as a luminescence substrate for detection of superoxide anion radicals and myeloperoxidase activity in stimulated neutrophils. *Free Radical Research* 35, 723-733.
41. Redelman, D., Zhong, Q., Hudig, D., Castell, L.M., Roberts, D. & Ensign, W.Y. (2001). Measuring oxidative bursts with the photoprotein Pholasin. *Communications in Clinical Cytometry* 46, 324.
42. Selloum, L., Reichl, S., Müller, M., Sebihi, L. & Arnhold, J. (2001). Effects of flavonols on the generation of superoxide anion radicals by xanthine oxidase and stimulated neutrophils. *Archives of Biochemistry and Biophysics* 395[1], 49-56.
43. Vance, C. A., Eggleton, P., & Castell, L. M. (2001). The effect of in vivo and in vitro glutamine supplementation on human neutrophils. *Amino Acids* 21, 62.
44. Arnhold, J., Reichl, S., Petkovic, M. and Vocks, A. (2002). Pholasin luminescence of polymorphonuclear leukocytes. *Luminescence* 17, 79.
45. Arnhold, J., Reichl, S., Petkovic, M. and Vocks, A. (2002) Pholasin<sup>®</sup> Luminescence of polymorphonuclear Leukocytes. In Phil Stanley, Larry Kricka Editors *Bioluminescence & Chemiluminescence: Progress & Current Applications* World Scientific Publishing Co. Ptc. Ltd. 233-236.
46. Knight, J., Ganderton, M., Hothersall, J. & Nourooz-Zadeh, J. (2002). The ABEL<sup>®</sup> peroxy nitrite antioxidant test with Pholasin<sup>®</sup> measures the antioxidant capacity of plasma to protect against peroxy radical attack. *Luminescence* 17, 95-96.
47. Knight, J., Ganderton, M., Hothersall, J, Zitouni, K. & Nourooz-Zadeh, J. (2002). The ABEL<sup>®</sup> peroxy nitrite antioxidant test with Pholasin<sup>®</sup> measures the antioxidant capacity of plasma to protect against peroxy radical attack. In Phil Stanley, Larry Kricka Editors *Bioluminescence & Chemiluminescence: Progress & Current Applications* World Scientific Publishing Co. Ptc. Ltd. 257-260.
48. Knight, J., Hothersall, J., Ganderton, M.. & Nourooz-Zadeh, J. (2002) Oxidation of plasma by peroxy radicals: ABEL<sup>®</sup> antioxidant assays with Pholasin<sup>®</sup> monitor loss of

antioxidants and development of pro-oxidants. *Free Radical Biology & Medicine* 33, Supplement 1 Abstract 692, S260

49. Meenan, B., McConnel, J., Knight, J., Boyd, A. & Bell, A. (2002). Development of a sensitive whole blood chemiluminescence method for assessing the bioactivity of calcium phosphate powders. *Biomaterials* 23, 2431-2445.
50. Swindle, E.J. J Hunt & J W Coleman. (2002). A comparison of reactive oxygen species generation by rat peritoneal macrophages and mast cells using the highly sensitive real-time chemiluminescent probe Pholasin: inhibition of antigen-induced mast cell degranulation by macrophage-derived hydrogen peroxide. *Journal of Immunology* 169, 5866-5873.
51. Castell, L.M., Ensign, W., Knight, J., Roberts, D., Thake, D. (2003). Exercise or hypoxia? The stress of intensive training at altitude in winter may lead to immunodepression. Climatic Physiol. Group, May, Glamorgan.
52. Castell, L.M., Ensign, W., Hudig, D., Knight, J., Redelman, D., Roberts, D. (2003). Changes in plasma fatty acids and tryptophan in chronic exercise in military personnel in the desert and at altitude in winter. *European Cell. Sports Med.* July, Salzburg.
53. Castell, L.M., Ensign, W., Hudig, D., Knight, J., Roberts, D., Thake, D. (2003). The stress of intensive training at altitude in winter after training in the desert. *Int. Soc. Exercise Immunol.*, 6<sup>th</sup> Int. Conference, Copenhagen.
54. James, TJ, Hughes, MA, Cherry GW, Taylor, RP (2003) Evidence of oxidative stress in chronic venous ulcers. *Wound Rep. Reg.* 11, 172-176.
55. Knight, J, Ganderton, M, Armstrong, K and Larkins, N (2003). The use of Pholasin®-based assays to evaluate anti- and pro- oxidant capacity of extracts of certain functional foods: the effect of these foods on leucocytes in blood. *Free Radical Biology & Medicine* 35, Supplement 1 S39 (92).
56. Knight, J & Larkins, N.J. (2003) Antioxidant status of horses quantified by ABEL® wide-range assay. *British Equine Veterinary Association 42<sup>nd</sup> Congress: Handbook of presentations & Free Communications*, Equine Veterinary Journal Ltd. 193-294.
57. Manoury, B, Leclerc,O, Nénan S,Guénon, Caulet-Maugendre, S, Bolcho,E, Planquois, J.M., Bertrand, C and Lagente, V. (2003) Deficiency in reactive oxygen species p47<sup>phox</sup> -/- mice attenuates bleomycin induced pulmonary fibrosis. *Inflamm. Res.*, 52 S92-S95.
58. Marques, AP, Reis, RL, Hunt, JA (2003) Evaluation of the potential of starch-based biodegradable polymers in the activation of human inflammatory cells. *J. Mater. Sci.: Materials in Medicine* 14, 167-173.

59. Thake, C. D., Mian, R. (2003) Effect of acute hypocapnic hypoxia on circulating leukocyte subsets, neutrophil activity and plasma anti-oxidant status during exercise at 50% normoxic peak. *Journal of Physiology*, 547P.
60. Arnhold, J. (2004). Free radicals --- friends or foes? Properties, functions and secretion of human myeloperoxidase. *Biochemistry (Moscow)* Vol 69, No1 pp 8-1
61. Castell, L.M., Vance, C., Abbott, R. Marquez, J. and Eggleton, P. (2004). Granule localization of glutaminase in human neutrophils and the consequence of glutamine utilization for neutrophil activity. *J. Biol. Chem.* 279, 13305-13310.
62. Davison, G & Gleeson, M (2005). Influence of acute Vitamin C and/pr carbohydrate ingestion on hormonal, cytokine and immune responses to prolonged exercise. *Int. J. Sport Nutrition and Exercise Metabolism* 15, 465-479.
63. Glebska, J & Koppenol, W.H. (2005). Chemiluminescence of Pholasin caused by peroxy nitrite. *Free Rad. Biol. Med.* 38, 1014-1022 .
64. Knight, J (2005) Pholasin<sup>®</sup>- based antioxidant assays for cosmetics, cosmeceutical and nutraceutical product development. In *Cosmetic Science Technology 2005*, 249-257. Published by Caroline Johnson & Guy Loosemore, T Four Group London [www.cosmeticsscienceandtechnology.com](http://www.cosmeticsscienceandtechnology.com)
65. Knight J and Knight R (2005) Quality assurance of nutraceutical health claims: The Case for Antioxidants *Bioworld Europe* 04, 10-13
66. Li, Tzai-Li & Gleeson, M (2005). The effect of carbohydrate supplementation during the second of two prolonged cycling bouts on immunoendocrine responses. *Eur. J. Appl. Physiol.*
67. Schönfelder, U., Abel, M., Wiegand, C., Klemm, D., Elsner, P. and Hipler, U. (2005). Influence of selected wound dressings on PMN elastase in chronic wound fluid and their antioxidative potential in vitro. *Biomaterials*, 26, 6664-6673.
68. Gough L, Johnston M, Armstrong K, Knight J, Castell L M, Godfrey R J (2006) Comparison of anti- and pro-oxidant capacity of saliva, and urine with serum before and after acute exercise. BASEM meeting October 2006, Oxford.
69. Knight, J. (2006). Testing Times *Laboratory News* November 2006 32-34.
70. Knight, J. and Knight, R. (2006). Living up to the claims. *Manufacturing Chemist* 77 [7], 29-30 [[www.manufacturing-chemist.com](http://www.manufacturing-chemist.com)]

71. Larkins, N. J., Deaton, C. M. and Jones, K. (2006). Efficacy of a plant based formulation in the treatment of recurrent airway obstruction in horses. *Planta Medica* 11(72), September 2006, 977-978
72. Nourooz-Zadeh, J., Ziegler, D., Sohr, C., Betteridge, D. J., Knight, J. and Hothersall, J. (2006). The use of Pholasin<sup>®</sup> as a probe for the determination of plasma total antioxidant capacity *Clinical Biochemistry* 39, 55-61
73. Thake, C D (2006). *The effect of hypoxia and exercise on aspects of innate cellular immunity and oxidative stress in humans*. PhD Thesis University of Coventry.
74. Castell, L M, Johnston M, Armstrong K, Knight J, Godfrey R J (2007) Antioxidant capacity of serum, saliva and urine before and after acute exercise. 12<sup>th</sup> Eur. Coll. Sports Sci, Jyvaskala, Finland 2007.
75. Knight, J, Knight R and Armstrong, K (2007). ABEL<sup>®</sup>-RAC Antioxidant Scores for Quality Control of Ingredients and Quality Assurance of Products. In *Cosmetic Science Technology 2007*, 203-213. T4 International.
76. Leßig, J, Spalteholz, H, Reibetanz, U, Salavei, P, Fischlechner, M, Glander, H-J and Arnold, J. (2007) Myeloperoxidase binds to non-vital spermatozoa on phosphatidylserine epitopes. *Apoptosis* 12, 1803-1812.
77. Rider, S. A., Reeves, J. F., Armstrong, K., Knight, J., Davies, S. J. & Jha, A. N. (2007). Reduced genetic stability, antioxidant status and leukocyte activation in rainbow trout (*Oncorhynchus mykiss*) subjected to chronic husbandry stressors. Abstracts from the 7<sup>th</sup> International Comet Assay Workshop held at University of Ulster, Coleraine, Northern Ireland; 24th–27th June 2007. *Mutagenesis*, 22, e1-e22.
78. Walker, G. J., Finlay, O., Griffiths, H., Sylvester, J., Williams, M. and Bishop, N. V. (2007). Immunoendocrine Response to Cycling Following Ingestion of Caffeine and Carbohydrate. *Med. Sci. Sports Exerc.* 39(9), 1554-1560.
79. Armstrong, K., Knight, J., Reeves, J. & Winyard, P. (2008). Pholasin<sup>®</sup>-based chemiluminescent assay for the measurement of superoxide dismutase and SOD mimetics. *Bioanalysis in Oxidative Stress*. A Biochemical Society focused meeting University of Exeter, UK, 2-3<sup>rd</sup> April 2008.
80. Flemmig, J., Leßig, J., Reinbetanz, U., Dautel, P. And Arnold, J. (2008). Non – vital polymorphonuclear leukocytes express myeloperoxidase on their surface. *Cell Physiology and Biochemistry* 21, 287-296.
81. Henkel, R., Fransman, W., Hipler, U. and Schreiber, G. (2008). *Typha capensis* extracts decrease ROS production and affect human sperm functions. *African Journal of Traditional, Complementary and Alternative Medicines*. Abstracts of the World Congress on Medical and Aromatic Plants, Cape Town, November 2008.

82. Knight, J., Armstrong, K., Gong, X. & Reeves, J. F. (2008). Measuring the antioxidant capacity of natural ingredients. Proceedings of the Cosmetic Science Conference 16-17<sup>th</sup> April 2008, Amsterdam, the Netherlands, at In-Cosmetics.
83. Spait Holz, H, Furtmüller, PG, Jakopitsh, C, Obinger, C, Schewe, T, Sies, H and Arnhold, J. (2008) Kinetic evidence for rapid oxidation of (-)-epicatechin by human myeloperoxiase. *Biochem Biophys Res Comm* 371, 810-813.
84. Farthing, D. E., Sica, D., Hindle, M., Edinboro, L., Xi, L., Gehr, T. W. B., Gehr, L., Farthing, C. A., Larus, T. L., Fakhry, I. and Karnes, H. T. (2009). A rapid and simple chemiluminescence method for screening levels of inosine and hypoxanthine in non-traumatic chest pain patients. *Luminescence*. Retrieved 27/05/2010, from <http://www3.interscience.wiley.com/journal/123215244/abstract>.
85. Fluhr, J. W., Breternitz, M., Kowatzki, D., Bauer, A., Bossert, J., Elsner, P. and Hipler, U. (2009). Silver-loaded seaweed-based cellulosic fiber improves epidermal skin physiology in atopic dermatitis: safety assessment, mode of action and controlled, randomized single-blinded exploratory *in vivo* study. *Experimental Dermatology*. Retrieved 27/05/2010, from <http://www3.interscience.wiley.com/journal/122520206/abstrac>
86. Freitas, M., Lima, J. L.F.C. and Fernandes, E. (2009). Optical probes for detection and quantification of neutrophils' oxidative burst. A review. *Analytica. Chimica. Acta*. 649(1), 8-23.
87. Karadag, A., Ozcelik, B. and Saner, S. (2009). Review of methods to determine antioxidant capacity. *Food Analytical Methods* 2(1), 41-60.
88. Pensalfini, A., Zampagni, M., Liguri, G., Becatti, M., Evangelisti, E., Fiorillo, C., Bagnoli, S., Cellini, E. Nacmias, B., Sorbi, S. and Cecchi, C. (2009). Membrane cholesterol enrichment prevents A $\beta$ -induced oxidative stress in Alzheimer's fibroblasts. *Neurobiology of Aging*. Article in press.
89. Prignano, F., Pescitelli, L., Becatti, M, Di Gennaro, P., Fiorillo, C., Taddei, N. and Lotti, T. (2009). Ultrastructural and functional alterations of mitochondria in perilesional vitiligo skin. *Journal of Dermatological Science* 54(3), 157-167.
90. Rider, S. A., Davies, S. J, Jha, A. N., Fisher, A. A., Knight, J. and Sweetman J. W. (2009). Supra-nutritional dietary intake of selenite and selenium yeast in normal and stressed rainbow trout (*Oncorhynchus mykiss*): Implications on selenium status and health responses. *Aquaculture* 295(3-4), 282-291.
91. Tobler, M. and Sandell, M. I. (2009). Sex-specific effects of prenatal testosterone on nestling plasma antioxidant capacity in the zebra finch. *Journal of Experimental Biology* 212. 89-94.

92. Castell, L. M., Thake, C. D. and Ensign, W. (2010). Biochemical markers of possible immunodepression in military training in harsh environments. *Military Medicine* 175(3), 158-165.
93. Farthing, D. E., Gehr, T., Farthing, C., Kontos, M. C., Vetrovec G., Sica, D., Ruddley, J., Larus, T., Karnes, H. T., Fakhry, I. and Gehr, L. (2010). Rapid analysis of plasma hypoxanthine in hospital cardiac patients. *Biomarker World Congress*, May 04 - 06, 2010, Philadelphia, PA.
94. Knight, J. and Reeves, J. F. (2010). Substantiating antioxidant claims. In *Cosmetic Science Technology 2010*, 181-190. T4 International.
95. Knight, J. and Reeves, J. F. (2010). Understanding antioxidants and substantiating claims. In *Personal Care Europe*, June 2010: 41-45. Step Communications Ltd, UK.
96. Palmer, D. M. and Kitchin, J. S. (2010). Oxidative damage, skin aging, antioxidants and a novel antioxidant rating system. *Journal of Drugs in Dermatology* 9(1), 11-15.
97. Sild, E & Hõrak, P. (2010). Assessment of oxidative burst in avian whole blood samples: validation and application of a chemiluminescence method based on Pholasin. *Behav Ecol Sociobiol* 64, 2065–2076.
98. Tamburic, S., Knight, J., Williams, S., Reeves, J. and Gong, X. (2010). In Vitro Assessment of Antioxidant Properties of Cocoa Extract in Cosmetic Formulations: Comparison between Analysis by Emitted Light (ABEL) & ORAC Antioxidant Capacity Methods. Proceedings of the 26<sup>th</sup> IFSCC Conference, Buenos Aires, Argentina, Sept 2010.
99. Sild, E., Sepp, T. & Hõrak, P. (2011). Behavioural trait covaries with immune responsiveness in a wild passerine. *Brain, Behaviour, and Immunity* 25, 1349–1354.
100. Sild, E., Sepp, T., Männiste, M. & Hõrak, P. (2011). Carotenoid intake does not affect immune-stimulated oxidative burst in greenfinches. *The Journal of Experimental Biology* 214, 3467-3473.
101. Bryan, N., Ahswin, H., Smart, N. J., Bayon, Y. and Hunt, J. A. (2012). *In vitro* activation of human leukocytes in response to contact with synthetic hernia meshes. *Clinical Biochemistry* 45, 672-676.

