##### Jonathan Good

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**Education**

*G.C.H.Ed. (Mar 2008 – Nov 2009)*

*University of Queensland, Brisbane, Australia*

Maximising the potential for student mentoring in laboratory classes

*Ph.D. Ecophysiology (Sep 2001 – Aug 2005)*

*University of St Andrews, Fife, Scotland*

The rectal gland and euryhalinity in elasmobranch fish

*B.S. (Hons) (Sep 1996 – May 2000)*

*University of St Andrews, Fife, Scotland*

Environmental and Marine Biology

**Experience**

*Associate Professor of Biology (Sep 2010 – present)*

*Department of Natural Sciences, Daemen College, Amherst, New York*

* Designed and delivered classes in General Biology, General Physiology, General Anatomy, Anatomy and Physiology, Comparative Vertebrate Physiology, Marine Biology, Scientific Thinking, and First Year Experience.
* Created a Comparative Vertebrate Physiology class to enable students to gain qualification for the Daemen College Core Competency of *Contextual Integration*.
* Researched, designed, and executed new inquiry-based laboratory classes for both semesters of the General Biology sequence.
* Created a Marine Biology class to enable students to gain skills in information literacy and data interpretation.
* Created a Scientific Thinking class to enable students to build college-level study skills, thereby improving student retention and persistence.
* Designed and supervised student research projects in junior and senior year, resulting in presentation at national conferences and potential peer-reviewed publications.

*Associate Lecturer (Teaching Focused) in Physiology and Pharmacology (Jul 2006 – Jul 2010)*

*School of Biomedical Sciences, University of Queensland, St Lucia, Brisbane*

* Researched, designed, executed, and evaluated a program of inquiry-based laboratory classes for first year Biology, resulting in record high student evaluations for a first year science course at the University of Queensland.
* Wrote and delivered interactive lecture series including respiratory physiology, comparative animal respiration, reproductive physiology, renal physiology, and regulatory endocrinology.
* Designed, delivered, and refined a junior faculty training program for laboratory class teaching.
* Designed and coordinated the largest biology course at the University of Queensland, servicing over 1500 students per year.
* Convened the biannual undergraduate *Biohorizons* eConference from 2007 to 2010.
* Supervised graduate students and mentored junior faculty.

*Conservation Ecologist (Sep 2005 – Dec 2005)*

*Ezemvelo Nature Reserve, E Oppenheimer & Son, Bronkhorstspruit, Gauteng, South Africa*

* Led informative game drives for groups of tourists, imparting knowledge of local ecology and wildlife.
* Member of community outreach team, engaged with local schools, farmers, and nomadic tribes.
* Conducted game surveys and habitat assessments using *Arc GIS* software.
* Produced official reports and assessments for stake holders, government departments, and private sector companies.

*Field Ecology Team Leader (Sep 2000 – May 2001)*

*Wildlife Conservation Research Unit, University of Oxford, Oxfordshire, England*

* Planned and executed large-scale habitat assessments with multidisciplinary research teams.
* Ensured daily collection of data on territory boundaries and focal individual behaviour.
* Managed a group of volunteer fieldworkers, increasing morale to maximise productivity.
* Liaised with farmers/landowners and government officials under high pressure circumstances.

**Professional associations**

* Reviewer for *Frontiers of Aquatic Physiology* (member since 2010)
* Reviewer for *The National Resource Center for The First-Year Experience* (member since 2013)
* Reviewer for *Anatomical Sciences Education* (member since 2014)
* *Society of Experimental Biology* (member since 2000)
* *North East Regional Honors Council* (member since 2012)

**Research**

Colthorpe, K. L. and Good, J. P. (*in progress*). Improving student information literacy skills through an embedded approach in first year biological science courses.

Lluka, L. J., Chunduri, P., Kinna, G., Good, J. P., Colthorpe, K. L. and Zimbardi, K. (*in progress*). A large cohort study on referencing trends in first year undergraduate science practical reports.

Good, J. P., Colthorpe, K. L., Zimbardi, K. and Kafer, G. R. (2015). ”The roles of mentoring and motivation in student-demonstrator interactions, and in improving experience in first year biology laboratory classes”. *Journal of College Science Teaching* **44** (4): 88 – 98.

Chunduri, P., Lluka, L. J., Kinna, G., Good, J. P., Zimbardi, K. and Colthorpe, K. L. (2014). “Simple ways to cultivate referencing habits, and consequently improve academic performance, in first year physiology students”. *International Journal of Innovative Science and Modern Engineering* **22** (2): 75 – 84.

Good, J. P., Ramos, D. and D’Amore, D. (*2013*). “Learning style preferences and academic success of pre-clinical allied health students”. *Journal of Allied Health* **42** (4): e81 – e90.

Zimbardi, K., Colthorpe, K. L., Good, J. P. and Lluka, L. J. (*2013*). “Facilitating the development of physiology students’ skills in communication and scientific reasoning through a vertically integrated model of inquiry-based practical curricula”. *Advances in Physiology Education* **37**: 303 – 315.

Cryan, A., Swartz, D. and Good, J. P. (2012). “Concentrations of MTBE in eggs of the chain catshark, *Scyliorhinus retifer*.” *Northeast Regional Honors Council Spring Conference*, Baltimore, MD.

Lluka, L. J., Colthorpe, K. L., Good, J. P., Chunduri, P. and Farrand-Zimbardi, K. (2010). “The development of a vertically integrated model of inquiry-based practical curricula to help students to learn to ‘think like a scientist’”. *Global theories and local practices: International Society for the Scholarship of Teaching and Learning 7th annual conference*, Liverpool, United Kingdom.

Zimbardi, K., Colthorpe, K. L., Good, J. P. and Lluka, L. J. (2010). “Becoming a scientist: the development of students’ skills in scientific investigation and communication through a vertically integrated model of inquiry-based practical curricula”. *Global theories and local practices: International Society for the Scholarship of Teaching and Learning 7th annual conference*, Liverpool, United Kingdom.

Hughes, I. E., Anderson-Beck, R., Atkinson, J., Awabdy, D., Bowmer, C., Colson, N., Cousins, X., Farrand-Zimbardi, K., Good, J. P., Goodhead, L., Kahler, C., Lluka, L. J., Moni, R. W., Nagley, P., Naug, H., Overfield, J., Pountney, D. L., Sheehan, J. and Wood, D. (2010). “Improving first-year laboratory classes in bioscience – students’ views.” *Report for UK Centre for Bioscience*, The Higher Education Academy, Leeds, United Kingdom.

Good, J. P. & Hazon, N. (2009) Osmoregulation in elasmobranchs. In *Osmoregulation and Ion Transport: Integrating Physiological, Molecular and Environmental Aspects* (eds. R. D. Handy, N. Bury and G. Flik), pp. 19-61. London: Society for Experimental Biology Press.

Colthorpe, K. L., Good, J. P., Jones, S., Schonrock, J. and Ernst, H. (2008). "Improving student information literacy skills and the understanding of plagiarism through an embedded approach in first year biological science courses". *Engaging Communities: Higher Education Research and Development Society of Australia 31st annual conference*, Rotorua, New Zealand.

Ernst, H., Good, J. P., Colthorpe, K. L., Myatt, P. and Andrews, T. (2008). "Enhancing students’ learning experience through mLearning: using VODcasts to motivate and engage students". *Engaging Communities: Higher Education Research and Development Society of Australia 31st annual conference*, Rotorua, New Zealand.

Good, J. P., Moni, R. W. and Poronnik, P. (2008). "Embedding student inquiry into first year biology laboratory classes: an opportunity for engaging and retaining students". *Engaging Communities: Higher Education Research and Development Society of Australia 31st annual conference*, Rotorua, New Zealand.

Good, J. P., Wells, A. and Hazon, N. (2008). "Measurement of blood volume in the elasmobranch fish *Scyliorhinus canicula* following acute and long-term salinity transfers." *Journal of Fish Biology* **73**(6): 1301-1313.

Pillans, R. D., Good, J. P., Anderson, W. G., Hazon, N. and Franklin, C. E. (2008). "Rectal gland morphology of freshwater and seawater acclimated bull sharks Carcharhinus leucas." *Journal of Fish Biology* **72**(7): 1559-1571.

Anderson, W. G., Taylor, J. R., Good, J. P., Hazon, N. and Grosell, M. (2007). "Body fluid volume regulation in elasmobranch fish." *Comparative Biochemistry and Physiology a-Molecular & Integrative Physiology* **148**(1): 3-13.

Ernst, H., Good, J. P., Farrand, K. and Colthorpe, K. L. (2007). "Do individual or group-based formative assessment styles enhance student-centred, inquiry-based laboratory classes?" *Enhancing Higher Education, Theory and Scholarship: Higher Education Research and Development Society of Australia 30th annual conference*, Adelaide, South Australia.

Good, J. P., Ernst, H., Farrand, K. and Colthorpe, K. L. (2007). "Do students with a strong read/write learning preference underperform in student-centred, inquiry-based laboratory classes?" *Enhancing Higher Education, Theory and Scholarship: Higher Education Research and Development Society of Australia 30th annual conference*, Adelaide, South Australia.

Anderson, W. G., Pillans, R. D., Hyodo, S., Tsukada, T., Good, J. P., Takei, Y., Franklin, C. E. and Hazon, N. (2006). "The effects of freshwater to seawater transfer on circulating levels of angiotensin II, C-type natriuretic peptide and arginine vasotocin in the euryhaline elasmobranch, Carcharhinus leucas." *General and Comparative Endocrinology* **147**(1): 39-46.

Anderson, W. G., Taylor, J., Grosell, M., Good, J. P. and Hazon, N. (2006). “Water metabolism in elasmobranch fish.” *Comparative Biochemistry and Physiology a-Molecular & Integrative Physiology* **143**(4):S46-S46

Hazon, N., Anderson, W. G., Wells, A. W., Good, J. P., Pillans, R. D. and Franklin, C. E. (2006). "Ion and urea regulation in elasmobranch fish." *Journal of Experimental Zoology Part a-Comparative Experimental Biology* **305A**(2): 122-132.

Pillans, R. D., Anderson, W. G., Good, J. P., Hyodo, S., Takei, Y., Hazon, N. and Franklin, C. E. (2006). "Plasma and erythrocyte solute properties of juvenile bull sharks, Carcharhinus leucas, acutely exposed to increasing environmental salinity." *Journal of Experimental Marine Biology and Ecology* **331**(2): 145-157.

Anderson, W. G., Good, J. P., Pillans, R. D., Hazon, N. and Franklin, C. E. (2005). "Hepatic urea biosynthesis in the euryhaline elasmobranch Carcharhinus leucas." *Journal of Experimental Zoology Part a-Comparative Experimental Biology* **303A**(10): 917-921.

Anderson, W. G., Hyodo, S., Tsukada, T., Meischke, L., Pillans, R. D., Good, J. P., Takei, Y., Cramb, G., Franklin, C. E. and Hazon, N. (2005). "Sequence, circulating levels, and expression of C-type natriuretic peptide in a euryhaline elasmobranch, Carcharhinus leucas." *General and Comparative Endocrinology* **144**(1): 90-98.

Pillans, R. D., Good, J. P., Anderson, W. G., Hazon, N. and Franklin, C. E. (2005). "Freshwater to seawater acclimation of juvenile bull sharks (Carcharhinus leucas): plasma osmolytes and Na+/K+-ATPase activity in gill, rectal gland, kidney and intestine." *Journal of Comparative Physiology B-Biochemical Systemic and Environmental Physiology* **175**(1): 37-44.

Anderson, W. G., Good, J. P., Franklin, C. E. and Hazon, N. (2003). "Scaling of rectal gland mass in the European lesser-spotted dogfish." *Journal of Fish Biology* **62**(3): 749-751.

Hazon, N., Wells, A., Pillans, R. D., Good, J. P., Anderson, W. G. and Franklin, C. E. (2003). "Urea based osmoregulation and endocrine control in elasmobranch fish with special reference to euryhalinity." *Comparative Biochemistry and Physiology B-Biochemistry & Molecular Biology* **136**(4): 685-700.

Anderson, W. G., Good, J. P. and Hazon, N. (2002). "Changes in chloride secretion rate and vascular perfusion in the rectal gland of the European lesser-spotted dogfish in response to environmental and hormonal stimuli." *Journal of Fish Biology* **60**(6): 1580-1590.

**Service**

* *Daemen College Faculty Senate* (2011 – present)
* *Daemen College Faculty Senate Secretary* (2011 – 2013)
* *Daemen College Strategic Planning Committee, Subcommittee on Professional Excellence* (2011 -present)
* *Daemen College Board of Trustees Subcommittee on Student Athletics* (2011 -2015)
* *Daemen College Middle States Committee: Working Group 3* (2014 -2015)
* *Daemen College Scholars Day Committee (2013 – 2015)*
* *Daemen College Website Taskforce* (2015 – 2016)
* *Daemen College Telephone Taskforce* (2016 – 2017)
* *Daemen College Faculty Development Committee* (2012-2013)
* *Daemen College First Year Experience Instructor Team Leader* (2012 -2014)
* *Department of Natural Sciences Student Adviser* (2010 – present)
* *Department of Natural Sciences Adviser for Transfer Students* (2011 – 2015)
* *Moderator for Daemen College Ultimate Frisbee Club* (2012 – present)

**Current Teaching Responsibilities**

* *BIO105* – Survey of Biology
* *BIO109 & BIO109L* – General Biology I
* *BIO330* – General Anatomy
* *BIO340 & BIO340L* – General Physiology
* *BIO343 & BIO343L* – Comparative Vertebrate Physiology
* *BIO347* – Marine Biology
* *NSC447 – Research in Aquatic Physiology*