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Research Associate in Fly Polarization Vision

**Area of research**

The Visual System of the Mantis Shrimp

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**Summary**

**Memberships**

**Organisations**

[School of Biological Sciences](#)

**Recent publications**

- Daly, I, How, M, Partridge, J & Roberts, N, 2019, '[Gaze stabilization in mantis shrimp in response to angled stimuli](#)'. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, vol 205., pp. 515-527
- Foster, JJ, Temple, SE, How, MJ, Daly, IM, Sharkey, CR, Wilby, D & Roberts, NW, 2018, '[Polarisation vision: overcoming challenges of working with a property of light we barely see](#)'. *Naturwissenschaften*, vol 105.
- Tibbs, A, Daly, I, Roberts, N & Bull, D, 2018, '[Denoising imaging polarimetry by adapted BM3D method](#)'. *Journal of the Optical Society of America A*, vol 35., pp. 690-701
- Daly, IM, How, MJ & Roberts, NW, 2018, '[Correction: Complex gaze stabilization in mantis shrimp \(Proceedings of the Royal Society B: Biological Sciences \(2018\) 285 \(20180594\) DOI: 10.1098/rspb.2018.0594\)](#)'. *Proceedings of the Royal Society B: Biological Sciences*, vol 285.
- Foster, JJ, Temple, SE, How, MJ, Daly, IM, Sharkey, CR, Wilby, D & Roberts, NW, 2018, '[Correction to: Polarisation vision: overcoming challenges of working with a property of light we barely see \(The Science of Nature, \(2018\), 105, 3-4, \(27\), 10.1007/s00114-018-1551-3\)](#)'. *Science of Nature*, vol 105.
- Daly, IM, How, MJ, Partridge, JC & Roberts, NW, 2018, '[Complex gaze stabilization in mantis shrimp](#)'. *Proceedings of the Royal Society B: Biological Sciences*, vol 285.
- Wilby, D, Riches, S, Daly, IM, Bird, A, Wheelwright, M & Foster, JJ, 2018, '[Hermit crabs \(Pagurus bernhardus\) use visual contrast in self- assessment of camouflage](#)'. *Journal of Experimental Biology*, vol 221.
- Tibbs, A, Daly, I, Bull, D & Roberts, N, 2018, '[Noise creates polarization artefacts](#)'. *Bioinspiration and Biomimetics*, vol 13.
- Daly, I, Tetley, A, Jared, S, How, M & Roberts, N, 2017, '[Colour preference in Odontodactylus scyllarus \(Linnaeus, 1758\) \(Stomatopoda\)](#)'. *Journal of Crustacean Biology*, vol 37., pp. 374-379
- Daly, I, How, M, Partridge, J & Roberts, N, 2017, '[The independence of eye movements in a stomatopod crustacean is task dependent](#)'. *Journal of Experimental Biology*, vol 220., pp. 1360-1368

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