

# CATHARINA KARLSSON

## PERSONAL INFORMATION

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| Address            | • Department of Biological Sciences, National University of Singapore, 14 Science Drive 4, S3-1, Singapore 117543 |
| E-mail             | • catharina@catharinakarlsson.com   |
| Mobile             | • +65 93559707  |
| Date of Birth/ Age | • 29 <sup>th</sup> September, 1984/ 32  |
| Languages          | • English – Fluent; Swedish – Mother tongue   |
| Website            | • catharinakarlsson.com   |



## EDUCATION & QUALIFICATIONS

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|----------------|---|
| 2014 – ongoing | • <b>National University of Singapore, Singapore</b><br>• PhD, Theoretical Ecology and Modelling lab.<br>• Project title: “Optimal monitoring and survey design of Amphibians in Southeast Asia”.   |
| 2012 – 2014    | • <b>Uppsala University, Sweden.</b><br>• MSc. Biology.<br>• Thesis: “Does avian malaria affect the provisioning rate of Collared Flycatchers ( <i>Ficedula albicollis</i> )?”  |
| 2010 – 2011    | • <b>Imperial College London, United Kingdom.</b><br>• M.Res. Ecology, Evolution and Conservation.<br>• First Thesis: “Systematics, Ecology and Conservation of Cameroon Caecilians ( <i>Gymnophiona</i> )”<br>• Second Thesis: “Assessment of the genetic variation within and between populations of <i>Centarium scilloides</i> (Genetianaceae)” |
| 2007 – 2010    | • <b>Anglia Ruskin University, Cambridge, United Kingdom.</b><br>• B.Sc. Combined Hons. Animal Behaviour and Ecology and Conservation (2:1).<br>• Dissertation: “Group Stability and Vigilance direction in male Alpine Ibex ( <i>Capra ibex</i> )”.  |
| 2007           | • <b>Open University, United Kingdom</b><br>• Certificate in Natural Science  |
| 2000 – 2003    | • <b>Tannbergsskolan, Lycksele, Sweden (Upper Secondary School).</b><br>• Natural resource and use programme, Animal keeping.   |

## EMPLOYMENT EXPERIENCE

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|----------------|---|
| 2012 - ongoing | • <b>Research assistant</b> – Anglia Ruskin University, Statistical Power Project,  |
| 2013 - ongoing | • <b>Intern</b> – IUCN ASG Amphibian RLA, red listing of amphibian species, remote. |
| 2013 - 2013    | • <b>Field assistant</b> – Uppsala University, Öland field site, Sweden.            |
| 2011 - 2012    | • <b>Sales assistant</b> – Rohan Travel Clothing, Cambridge, UK.                    |
| 2011 - 2011    | • <b>Teaching assistant</b> – Anglia Ruskin University, statistical module, UK.     |
| 2010 - 2010    | • <b>Intern</b> – Anglia Ruskin University – The Power of Statistics, UK            |
| 2010 - 2010    | • <b>Volunteer</b> – Birdlife International – Data entry with the science team, UK  |
| 2007 - 2010    | • <b>Cashier</b> – Sainsbury's, Cambridge, UK.                                      |
| 2006 - 2007    | • <b>Receptionist</b> – European Commission, Dublin, Ireland.                       |
| 2007 - 2007    | • <b>Receptionist</b> – Re:fresh Day Spa, Dublin, Ireland.                          |
| 2006 - 2006    | • <b>Customer care rep.</b> – Meteor Mobile comms, Dublin, Ireland.                 |
| 2005 - 2006    | • <b>Service Technician</b> – Rentokil Tropical Plants, Dublin, Ireland.            |

## SCHOLARSHIPS AND GRANTS

2017	• <b>Lu Yinru Travel Scholarship</b> – Travel Award for JMIH 2017 (SGD 1000).
2017	• <b>ASIH</b> – Travel Award for JMIH 2017 (US\$ 800).
2016	• <b>WRSCF</b> – Automated Acoustic Monitoring in Singapore (US\$ 44,400).
2016	• <b>Idea Wild</b> – Equipment grant for Sennheiser microphone (US\$ 800).
2016	• <b>WCH Scholarship</b> – Award to attend the World Herpetology Congress (US \$800)
2016	• <b>CDL scholarship</b> – Award to attend the ATBC-SCB Asia 2016 conference (US \$250)
2016	• <b>National Geographic Society Conservation Grant Asia</b> – Automatic Acoustic Monitoring on Mount Kinabalu (US \$ 28,290)
2016	• <b>MBZ species conservation grant</b> – towards research on habitat effects on <i>Ansonia platysoma</i> in Kinabalu Park (US \$12,000).
2015	• <b>ICCB travel award</b> – Award to attend the ICCB conference (US \$500).
2015	• <b>CEED/QAECO Travel Fellowship</b> – Lab exchange with Melbourne University and Australia National University for three months (3000AUD)
2014 - 2018	• <b>SINGA Scholarship</b> – PhD scholarship with National University of Singapore.
2010	• <b>Research internship</b> – Animal and Environmental Research Group, Anglia Ruskin University (£2000)

## CONFERENCE ATTENDANCE

2017	• <b>Southeast Asian Gateway of Evolution</b> – Keynote (joint): New biodiversity monitoring techniques: Where is technology taking us and how can we utilize it?
2017	• <b>Joint Meeting of Ichthyologists and Herpetologists</b> – Presentation: Temporal partitioning in calling activity of the amphibian community in Kinabalu Park.
2016	• <b>World Herpetology Congress</b> – Presentation: <i>Ansonia platysoma</i> , the effect of habitat variables on occupancy.
2016	• <b>Conservation Asia</b> – Presentation: Automated acoustic monitoring: current use and challenges.
2015	• <b>Biological Sciences Graduate Student Congress</b> – Poster: Optimal time allocation between sites under limited time and differing detection rates.
2015	• <b>ICCB-ECCB Montpellier</b> – Speed presentation: Training region effects on Species Distribution Models
2014	• <b>SCB Asia Melacca</b> – Presentation: Statistical Power in Conservation.

## PUBLICATIONS

- Karlsson, E. C. M., Mitchell, A. E., Imbun, P., Bickford, D. P., 2017. *Kalophrynus baluensis* (Kinabalu Sticky Frog). Reproduction and vocal description. *Herpetological Review*. (In review).
- Hawkins, D., Gallacher, E., Gammell, M., 2013. Statistical power, effect size and animal welfare: recommendations for good practice. *Animal Welfare*. 22, pp. 339-344.

## OTHER DETAILS

- **Programming languages** – R, Python, Linux.
- **World Herpetology Congress** – Student committee member (since 2016)
- **American Society for Ichthyologists and herpetologists** – Student member (since 2016)
- **Society of Conservation Biology** – Student member 75832 (since 2014)
- **International Society of Behavioural Ecology** – Student member (since 2013)
- **Associate member of the Society of Biology** – No: 107010 (since 2010)
- **Student member of the British Ecological society** – No: 000139907 (since 2011)
- **Anglia Ruskin Wildlife Society** – Treasurer (2007-2010)
- **Off road training** – Expedition training with RGS (2009)
- **PADI** – Advanced open water(2009), Nitrox (2010), experience of Reef Check methods.
- **Full clean driving licence** – B, certified in Sweden.