***CURRICULUM VITAE* Surname:** Spurgin **Forename:** Lewis **DOB:** 20/02/1985

**Academic positions**

**2016 –2019:** BBSRC fellow (lecturer thereafter), *Biological Sciences, University of East Anglia*

**2015 - 2016:** Research fellow *Edward Grey Institute, University of Oxford*

**2012 - 2014:** Research fellow *Behavioural Ecology and Self-organization, University of Groningen*

**Recent funding**

**2016** NRP Science links seed corn funding ‘RNAi and pest control: an experimental investigation into the evolution of resistance and effects on non- target species’ (£14,931)

**2016** BBSRC Future Leader Fellowship ‘The genomics of thermal adaptation in a model pest insect’ (£299,568)

**2015** Edward Grey Institute Research Fellowship ‘The genomics of adaptation in wild birds and laboratory beetles’ (~£80,000)

**2014** British Ecological Society large research grant ‘Genomic consequences of selection, drift and founder effects in island pipit populations’ (£15,300)

**2012** Netherlands Organisation for Scientific Research (NWO) Rubicon fellowship ‘Genomic approaches to conserving genetic diversity in translocated populations (£78,000)

**Degrees**

**2008 - 2012:** PhD ‘Adaptation and differentiation in wild bird populations’ *Biological Sciences, University of East Anglia* (received ‘Company of Biologists Award’ for best thesis)

**2005 - 2008:** BSc (Hons) Ecology (First Class) *Biological Sciences, University of East Anglia* (received ‘Michael Graham Prize’ for best performance in an ecology degree)

**Selected peer-reviewed publications**

Bosse, M\*. **Spurgin, L.G.\*,** Laine, V.N., Cole, E.F., Firth, J.A., Gienapp, P., Gosler, A.G., McMahon,

K., Poissant, J., Verhagen, I., Groenen, M.A.M., van Oers, K., Sheldon, B.C., Visser, M.E., Slate, J. (2017) Recent natural selection causes adaptive evolution of an avian polygenic trait. *Science*, **358**, 365-368 (\*joint first authors)

**Spurgin, L.G.,** Bebbington, K. Fairfield, E.A., Hammers, M., Komdeur, J., Burke, T., Dugdale,

H.L., Richardson, D.S. (2017) Spatio-temporal variation in lifelong telomere dynamics in a long-term ecological study. *Journal of Animal Ecology*, In Press

Bebbington, K., Kingma, S.A., Fairfield, S.A., Dugdale, H.L., Komdeur, J., **Spurgin, L.G.,** Richardson, D.S. (2017) Kinship and familiarity mitigate costs of social conflict between Seychelles warbler neighbors. *Proceedings of the National Academy of Sciences*, In Press

McDonald, G.C., **Spurgin, L.G.,** Fairfield, E.A., Richardson, D.S., Pizzari, T. (2017) Pre- and postcopulatory sexual selection favour aggressive, young males in polyandrous groups of red junglefowl. *Evolution*, **71**, 1653-1669

Gonzalez-Quevedo, C., Davies R.G., Phillips, K.P., **Spurgin, L.G.,** Richardson, D.S. (2016) Landscape scale variation in an anthropogenic factor shapes immune gene variation within a wild population. *Molecular Ecology*, **25**, 4234-4246

Bebbington, K., **Spurgin, L.G.,** Fairfield, E.A., Dugdale, H., Komdeur, J., Burke, T., Richardson,

D.S. (2016) Telomere length reveals cumulative individual and transgenerational inbreeding effects in a passerine bird. *Molecular Ecology*, **25**, 2949-2960

Lumley, A.J., Michalczyk, L., Kitson, J.J.N., **Spurgin, L.G.,** Morrison, C.A., Godwin, J.L., Dickinson, M.E., Martin, O.Y., Emerson, B.C., Chapman T.C. & Gage, M.J.G. (2015) Sexual selection protects against extinction. *Nature* **522**, 470-473

Gonzalez-Quevedo, C., **Spurgin, L.G.,** Illera, J.C., Richardson, D.S. (2015) Drift, not selection, shapes toll-like receptor variation among oceanic island populations. *Molecular Ecology*, **24**, 5852-5863

Hammers, M. Kingma, S.A., Bebbington, K. van de Crommenacker, J., **Spurgin, L.G.,** Richardson,

D.S., Burke, T. Hugdale, H.L., Komdeur, J. (2015) Senescence in the wild: insights from a long-term study on Seychelles warblers. *Experimental Gerontology,* **71,** 69-79

Gonzalez-Quevedo, C., Phillips, K.P., **Spurgin, L.G.** & Richardson, D.S. (2015) 454 screening of individual MHC variation in an endemic island passerine. *Immunogenetics* **67**, 149-162

**Spurgin, L.G.,** Wright, D.J., van der Velde, M., Collar, N.J., Komdeur, J., Burke, T.A. & Richardson, D.S. (2014) Museum DNA reveals the demographic history of the endangered Seychelles warbler. *Evolutionary Applications* **7,** 1134-1143

**Spurgin, L.G.**, Illera, J.C., Dawson, D.A., Jorgensen, T.H. & Richardson, D.S. (2014) Genetic and phenotypic divergence in an island pipit: isolation by distance, by colonisation or by adaptation? *Molecular Ecology* **23,** 1028-1039

**Spurgin, L.G.** (2013) Does promiscuity explain differences in levels of genetic diversity across passerine birds? *Evolution,* **67,** 3071-3072

**Spurgin, L.G.,** Illera, J.C., Padilla, D.P., Richardson, D.S. (2012) Biogeographic patterns and co-occurrence of pathogenic infection across island populations of Berthelot’s pipit (*Anthus berthelotii*). *Oecologia*, **168**, 691-701

Dawson, D.A., Horsburgh, G.J., Krupa, A.P., Stewart, I.R.K., Skjelseth, S., Jensen, H., Ball, A.D., **Spurgin, L.G.** & Burke, T.A. (2012) A predicted microsatellite map of the house sparrow *Molecular Ecology Resources,* **12,** 501-523

**Spurgin, L.G.,** van Oosterhout, C., Illera, J.C., Bridgett, S., Gharbi, K., Emerson, B.C. & Richardson, D.S. (2011) Gene conversion rapidly generates MHC diversity in recently founded bird populations. *Molecular Ecology,* **20,** 5213-5225

**Spurgin, L.G.** & Richardson, D.S. (2010) How pathogens drive genetic diversity: MHC, mechanisms and misunderstandings. *Proceedings of the Royal Society B, Biological Sciences,* **277***,* 979-988

**Selected recent invited talks**

**2017** Invited talk ‘Rapid adaptation in a wild bird population’, *University of Exeter, UK*

**2016** Invited talk ‘The great tit HapMap project: population structure and adaptation in a model passerine’ *Adam Mickiewicz University, Poland*

**2014** The Christer Hemborg Lecture (invited) ‘Selection and drift in island pipits’ *Uppsala University, Sweden*

**2013** Invited talk ‘Adaptation and differentiation in island pipit populations’ *Aarhus University, Denmark*

**2013** Invited talk ‘Museum DNA and the conservation of endangered species’ *Natural History Museum, UK*

**Reviewing**

* Peer review college member, British Ecological Society (2015-present)
* Grant reviewer for BBSRC (UK), Leverhulme Trust (UK), Ontario Research Fund (Canada), Marsden Fund (New Zealand), Czech Science Foundation (Czech Republic)
* Reviewer of *ca* 20 articles per year, including the following journals: *Ecology Letters, Nature Communications, Proceedings of the Royal Society B, Evolution, Molecular Ecology, Molecular Biology and Evolution, Heredity, Journal of Evolutionary Biology, Biology Letters, BMC Evolutionary Biology, Journal of Biogeography, PLoS One, Conservation Biology, Evolutionary Applications, Behavioural Ecology and Sociobiology, Biological Conservation.*