**General Zoology ‘Project Module’ 2021**

**Literature Seminar Papers**

**Pathogen-Host interactions: week 1**

Esparza-Mora, M. A., Davis, H. E., Meconcelli, S., Plarre R. and McMahon, D. P. (2020). Inhibition of a secreted immune molecule interferes with termite social immunity. Frontiers in Ecology and Evolution. <https://doi.org/10.3389/fevo.2020.00075>

**Population Genetics/Genomics: week 2**

Castañeda-Zárate, M., Johnson, S.D., van der Niet, T. (2021) Food reward chemistry explains a novel pollinator shift and vestigialization of long floral spurs in an orchid. *Current Biology* 31, 238-246.e7. doi: 10.1016/j.cub.2020.10.024

Baeckens, S., Whitin,g M.J. (2021) Investment in chemical signalling glands facilitates the evolution of sociality in lizards. *Proceedings of the Royal Society B* 288, 20202438. doi: 10.1098/rspb.2020.2438

**Biodiversity and Pollination: week 3**

Millard, J., Outhwaite, C.L., Kinnersley, R., Freeman, R., Gregory, R.D., Adedoja, O., Gavini, S., Kioko, E., Kuhlmann, M., Ollerton, J., Ren, Z.-X., Newbold, T. (2021) Global effects of land-use intensity on local pollinator biodiversity. *Nature Communications* 12, 2902. doi:10.1038/s41467-021-23228-3

Baldock, K.C.R., Goddard, M.A., Hicks, D.M., Kunin, W.E., Mitschunas, N., Morse, H., Osgathorpe, L.M., Potts, S.G., Robertson, K.M., Scott, A.V., Staniczenko, P.P.A., Stone, G.N., Vaughan, I.P., Memmott, J. (2019) A systems approach reveals urban pollinator hotspots and conservation opportunities. N*ature Ecology & Evolution* 3, 363–373. doi:10.1038/s41559-018-0769-y

**Social Evolution: week 5**

Ostwald, M. M., Fox, T. P., Harrison, J. F., & Fewell, J. H. (2021) Social consequences of energetically costly nest construction in a facultatively social bee. *Proceedings of the Royal Society B* 288, 20210033. doi:10.1098/rspb.2021.0033

Pennell, T. M., & Field, J. (2020) Split sex ratios and genetic relatedness in a primitively eusocial sweat bee. *Behavioral Ecology & Sociobiology 75*, 5. doi:10.1007/s00265-020-02944-8