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Erratum: Origins and diagnostics of the nonequilibrium character of active systems (2018 *J. Stat. Mech.* 123201)

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Due to a typesetting error the following corrections were not made to this article.

Equation (30) should read:

$$S_1 = A_R - A = -\frac{1}{T}\left[H\left(t_i\right) - H\left(t_f\right)\right] + \frac{v}{T}\int_{t_i}^{t_f} \mathrm{d}t \dot{X} x\,.$$

Equation (H.7) should read:

$$\sigma_0 = v\left\langle \dot{\rho}_1 \nabla^{-2}\left(\rho_0 \nabla\cdot P_1 + P_0\cdot\nabla\rho_1\right)\right\rangle - \lambda\left\langle P_1\cdot\left(P_0\cdot\nabla\right)P_1\right\rangle + O\left(\sqrt{T}\right).$$

Reference [8] is missing its article information and should read:

1742-5468/19/039901+2$33.00

Jülicher F, Grill S W and Salbreux G 2018 *Rep. Prog. Phys.* **81** 076601

On page four the sentence, 'In section 3 we apply the formalism to generate the dynamics of a variety of single-particle and spatially extended systems, staring from polar active particles (active Brownian or active Ornstein–Uhlenbeck) as motile dimers.' should read 'In section 3 we apply the formalism to generate the dynamics of a variety of single-particle and spatially extended systems, starting from polar active particles (active Brownian or active Ornstein–Uhlenbeck) as motile dimers.'

Equation (23) should read:

$$\dot{X} = P;\ \dot{P} = -\partial_x H - \Gamma_{PP}\,\partial_P H - \Gamma_{Pn}\partial_n H + \xi_P = -\partial_x H - \Gamma_{PP}\ \partial_P H - \zeta\Delta\mu Q \cdot P + \xi_P.$$

On page 12, 'The absence of this extra nonliearity with a related coefficient (with the relation being preserved under renormalisation) leads to the breaking of detailed balance'. Should read 'The absence of this extra nonlinearity with a related coefficient (with the relation being preserved under renormalisation) leads to the breaking of detailed balance'.

Also, 'we obtain again obtain a model which obeys detailed balance' should read 'we again obtain a model which obeys detailed balance'.

Page 12, line 19 should read 'a further active contribution, which, due to'.

On page 13 the text should read:
'It must be emphasised however that a model with a negative linear friction and unit advective coefficient still belongs to the same universality class as Toner–Tu [20, 21, 43]. What is crucial is not that the advective coefficient can have an arbitrary value, but that it is present at all in a model that can spontaneously break symmetry'.

On page 14 the text should read: 'Therefore, in such cases, the answer to the question 'how far from equilibrium is an active system' is not unique'.

On page 15 'potential independent' should read 'potential-independent'.

On page 21 'time antisymmetric' should read 'time-antisymmetric'.

On page 22 the word 'and' should be inserted after equation (68).

Equation (47) should read:

$$-\frac{\Gamma}{T}\lim_{t\to 0}\partial_t\left[T(\mathcal{R}(t)-\mathcal{R}(-t))+\partial_t C_{XX}(t)\right]=\frac{v\langle\dot{X}x\rangle}{T}=\sigma_1$$

In addition the acknowledgements in this paper should include the following statement: SR also thanks the Simons Foundation and the KITP for support.