

Review of: "Morphomechanics: An Extended View"

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Potential competing interests: No potential competing interests to declare.

This is an interesting review of the role of morphomechanics, but it is heavily influenced by the work of Richard Gordon, as acknowledged in the paper. Unfortunately, this reviewer is of the opinion that the work of Gordon and Michael Levin (also cited in the review) is after the fact. There is a whole body of research predicated on the role of soluble growth factors and their receptors as the basis for morphogenesis, beginning with the groundbreaking work of Clifford Grobstein (1967), showing that such low molecular weight substances are the basis for morphogenesis, that is totally ignored. The role of 'electricity' in morphogenesis is due to the flux of calcium, mediated by calcium ion channels, that is addressed in Torday JS. From cholesterol to consciousness. *Prog Biophys Mol Biol.* 2018 Jan;132:52-56, for example, and even earlier, how and why the force of gravity initiated life (Torday JS. Parathyroid hormone-related protein is a gravisensor in lung and bone cell biology. *Adv Space Res.* 2003;32(8):1569-76). The point is that a true 'extended view' of morphomechanics should start at the beginning, not in the middle of the process.