**Proposed mechanism of molecular left–right patterning as a consequence of asymmetric node morphogenesis in the chick.**

A: schematic dorsal view of chick embryo at early stage 5 after node rotation. B,C: transversal sections at levels shown in (A). The notochord is marked in red, the floor plate is labeled in turquoise and blue indicates the paraxial nodal domain. Dashed arrows in (A) indicate a shift of the node during notochord elongation and concomitant streak regression, black arrow in (C) indicates the proposed induction of the paraxial nodal expression by shh from the notochord, green arrow in (C) indicates the proposed subsequent induction of nodal expression in the prospective lateral plate mesoderm (lpm) by nodal ligand from the paraxial domain. A is modified version of Figure 7B published in (Kremnyov et al. 2018).