Call for junior postdoc positions in embryo development and mechanobiology.

Full project title: *Multiscale mechanics and self-organizing processes in developing systems*
Leadership: *Andrea Ravasio, Tim Rudge, Mauricio Cerda, Cristina Bertocchi and Miguel Concha*
Institutions: *Pontifical Universidad Católica de Chile and Universidad de Chile*
Location: *Santiago de Chile, Chile*
Collaborating Institutes: *Weizmann Inst. (Israel), CNRS (France), Max Planck Institute Heidelberg (Germany), Mechanobiology Institute of Singapore, James Hutton Institute (UK), Centre for Genomic Regulation (Barcelona, Spain), Nagoya University (Japan)*
Salary range: *Competitive, commensurate with category level and experience*
Vacancies deadline: *Open until filled – only selected candidates will be notified*

The interdisciplinary research team of the Anillo for **Developmental Mechanobiology** (DevMech) project is seeking highly motivated and creative individuals to be involved in an exciting interdisciplinary project aiming to understand the mechanical bases of biological processes driving embryonic development.

Proper organization of the embryonic tissues and execution of developmental processes depends on the ability of cells to reliably migrate in coordinated fashion. However, cell migration is largely dominated by stochastic molecular and cellular processes. Here, we aim to understand the mechanical determinants driving the integration of low-level molecular functions into reliable migratory patterns and tissue structures during development. Researchers involved in the project will apply cutting-edge microscopy, cell biology, bioengineering techniques to answer challenging scientific questions. The selected candidate will lead the *in-vivo* investigation of early embryonic development of annual Killifish. Selected candidates will work in an exciting interdisciplinary and international environment.

We are looking a junior research fellow (postdoc) to work in strongly interconnected teams. Highly motivated individuals with background in either one of the following disciplines cell biology, development and/or microscopy are strongly encouraged to apply. Previous experience with one or more of the following topics will be an advantage: cell biology, developmental biology, mechanobiology, microscopy and image analysis. A good level of written and spoken English is necessary.

To apply please send an email to mconcha@uchile.cl including a letter of interest, Curriculum Vitae and a short description of previous experience. Please include a short description of the most relevant papers you have published explaining how their previous experience is relevant to this call. Please use the subject ¨anillo-2020-application¨ in your email to avoid being directed to the spam. Applications must be in English. For more information and for any questions, do not hesitate to contact us at mconcha@uchile.cl.