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For junior, senior and graduate courses in embryology, developmental biology, and medical embryology taught in biology and anatomy departments. For years, this text has been one of the standard texts in the field. It is superior to others in its comprehensive, but readable, account of embryonic development with outstanding

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illustrations.

## **Patten's Foundation of Embryology by Bruce M. Carlson**

Roux, noted for his pioneering studies on frog eggs (beginning in 1885), became the founder of experimental embryology. The principle of embryonic induction was studied by the German

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embryologists Hans Adolf Eduard Driesch, who furthered Roux's research on frog eggs in the 1890s, and Hans Spemann, who was awarded a Nobel Prize in 1935.

## **Embryology | Britannica**

experimental embryology emerged somewhere around the end of the

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nineteenth or the beginning of the twentieth century. This field began, the texts generally explain, with the work of Wilhelm Roux on *Entwicklungsmechanik* (or developmental mechanics). In particular, ROUX'S set of experiments on isolated blastomeres led the way.

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Cell theory provided a new perspective on the fundamental basis of life. These developments, as well as the results from embryology and paleontology, were synthesized in Charles Darwin 's theory of evolution by natural selection.

## **History of biology - Wikipedia**

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This new "experimental" approach required a prior knowledge of morphological and comparative embryology. It was hoped that, by altering the physical and chemical conditions relating to the embryo, the normal mechanism of development would be understood better through an analysis of the embryonic adjustments

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to these alterations.

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Experimental Embryology, or, as some prefer to call it, the Mechanics of Development (Entwicklungsmechanik), or the Physiology of Development, really dates from Roux's production of a half-embryo from a. half-blaatomere, and the consequent formulation of the ' Mosaik-Theorie' of self-differentiation.

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## **Book - Experimental Embryology (1909) - Embryology**

If we can date the origin of scientific embryology to the works of H. C. Pander (1817) and K. E. von Baer (1828), the birth of experimental embryology took place with the works of W. Roux (1881-1888); it should be noted, however, that the conception of

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## **Laurent Chabry and the Beginnings of Experimental ...**

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