

William Maddock Bayliss Encyclopedia Article

William Maddock Bayliss

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1860-1924

English physiologist who, in collaboration with his colleague Ernest Henry Starling, discovered secretin, a hormone produced by the intestinal mucosa. Bayliss and Starling demonstrated nervous control of the peristaltic wave (the muscle action that causes the movement of food through the intestine). In 1902 they isolated secretin, a substance that stimulates the secretion of pancreatic digestive juice into the intestine. In 1904 Bayliss and Starling coined the term "hormone." Bayliss published the widely used textbook *Principles of General Physiology* in 1915.