

RNA Polymerase

b/c it makes RNA

into a polymer

is an enzyme

Discovered in 1960; Nobel prize for its discovery in 1959... oops

1959 Nobel awarded to Severo Ochoa and Arthur Kornberg for discovering what was mistakenly believed to be RNA pol.

1960 Sam Weiss and Jared Hurwitz discover the *real* RNA pol.

2006 Nobel awarded to **Roger** Kornberg (son of Arthur) for detailed structure of RNA pol.

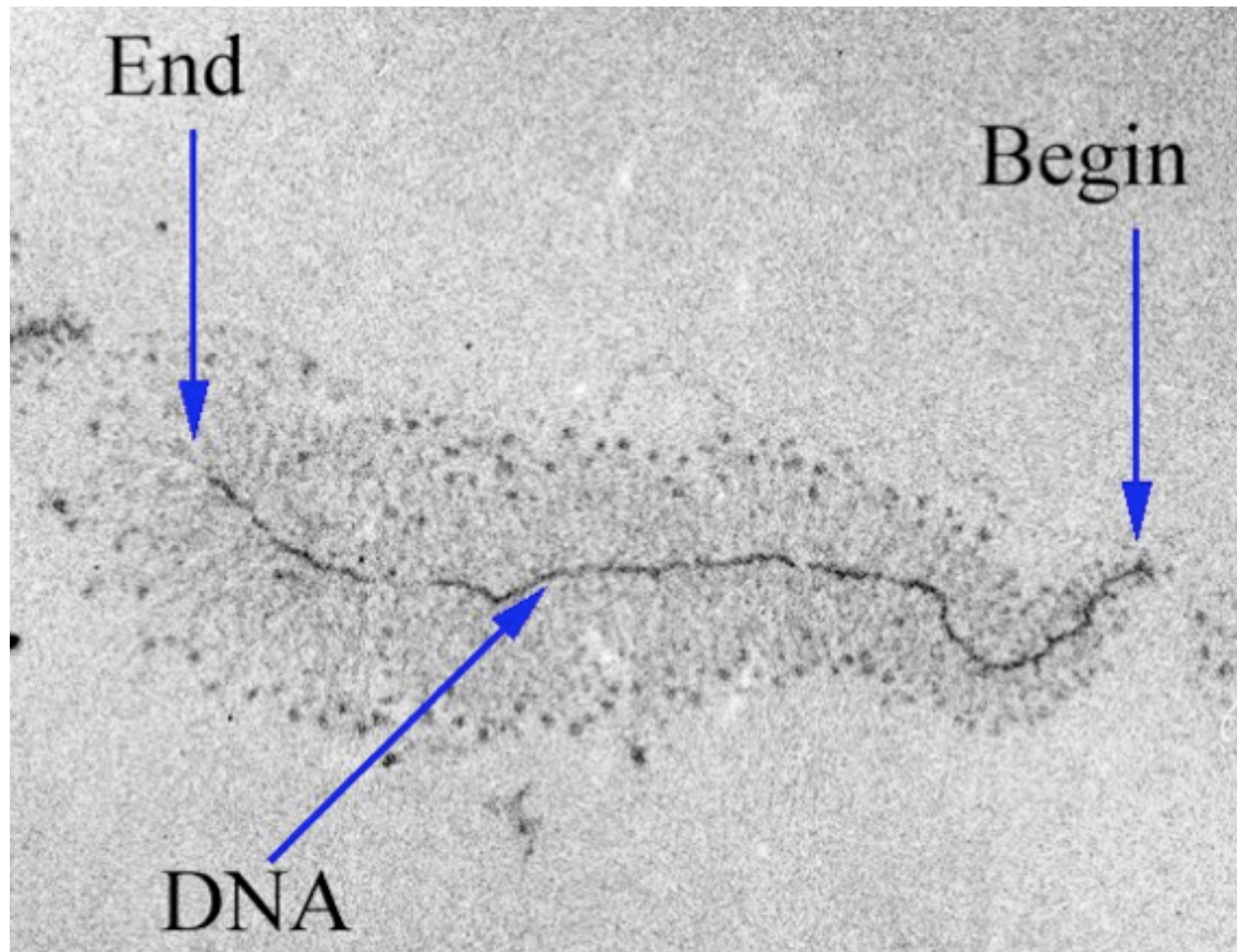


Image of transcription occurring.

Each “hair” is a piece of RNA that RNA pol is growing off of the DNA.